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

## GC SEMI-VOLATILES

**PROJECT NAME : R36884 - PCB**

**TETRA TECH, EMI**

**240 Continental Drive, Suite 200**

**Newark, DE - 19713**

**Phone No: 302-738-7551**

**ORDER ID : Q1573**

**ATTENTION : Ava Heiss**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1573


1) PCB GROUP1 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 Group1 15
9.1) Deuterated Monitoring Compound Summary 16
9.2) MS/MSD Summary 19
9.3) LCS/LCSD Summary 21
9.4) Method Blank Summary 24
10) Sample Data 26
10.1) C0AC4 27
10.2) C0AC5 36
10.3) C0AC6 45
10.4) C0AC8 54
10.5) C0O29 63
10.6) C0O30 70
10.7) C0O31 77
10.8) C0O32 86
10.9) C0O33 95
10.10) C0O34 104
10.11) C0O35 113
10.12) C0AC7 122
10.13) C0O37 126
11) Calibration Data Summary 130
11.1) Initial Calibration Data 131
11.1.1) PP031125 131
11.2) Continued Calibration Data 380
11.2.1) PP070589.D 380
11.2.2) PP070604.D 392
11.2.3) PP070619.D 404
11.2.4) PP070632.D 416

11.2.5) PP070638.D 428
11.2.6) PP070647.D 440
11.3) Analytical Seq 452
12) Compound Detection Summary 456
13) QC Sample Data 474
13.1) Method Blank Data 475
13.2) PIBLK Data 483
13.3) LCS Data 511
13.4) LCSD Data 529
13.5) MS Data 538
13.6) MSD Data 550
14) Manual Integration 562
15) Analytical Runlogs 571
16) Percent Solid 590
17) Extraction Logs 595
17.1) PB167154.pdf 595
17.2) PB167154IC.pdf 597
17.3) PB167172.pdf 598
17.4) PB167172IC.pdf 600
18) Standard Prep Logs 601
19) Shipping Document 684
19.1) Chain Of Custody 685
19.2) Lab Certificate 688

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Fax : 908 789 8922

# Cover Page

**Order ID :** Q1573

**Project ID :** R36884 - PCB

**Client :** Tetra Tech, EMI

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1573-01 | C0AC4 |
| Q1573-02 | C0AC5 |
| Q1573-03 | C0AC6 |
| Q1573-04 | C0AC8 |
| Q1573-05 | C0O29 |
| Q1573-06 | C0O30 |
| Q1573-07 | C0O31 |
| Q1573-08 | C0O32 |
| Q1573-09 | C0O33 |
| Q1573-10 | C0O34 |
| Q1573-11 | C0O35 |
| Q1573-12 | C0AC7 |
| Q1573-13 | C0O37 |

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: 3/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Tetra Tech, EMI**
**Project Name: R36884 - PCB**
**Project # N/A**
**Chemtech Project # Q1573**
**Test Name: PCB Group1**

**A. Number of Samples and Date of Receipt:**
11 Solid samples were received on 03/14/2025.
2 Water samples were received on 03/14/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: PCB Group1. This data package contains results for PCB Group1.

**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 PCB Group1s was based on method 8082A and extraction was done based on method 3510.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for C0AC5 [Decachlorobiphenyl(1) - 31%] as per method one surrogate is allowed to failed, therefore no 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 Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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**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

CHEMTECH PROJECT NUMBER: Q1573 MATRIX: /Water

METHOD: 8082A/3510

| | | 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>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 C0AC5 [Decachlorobiphenyl(1) - 31%] as per method one surrogate is allowed to failed, therefore no 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>The MSD recoveries met the acceptable requirements .<br>The Blank Spike met requirements for all samples .<br>The Blank Spike Duplicate met requirements for all samples .<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. | | | |

ADDITIONAL COMMENTS:

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 #:** Q1573

| | 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:** 03/20/2025

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1573 | **OrderDate:** | 3/14/2025 11:04:00 AM |
| **Client:** | Tetra Tech, EMI | **Project:** | R36884 - PCB |
| **Contact:** | Ava Heiss | **Location:** | I31 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1573-01** | **C0AC4** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-02** | **C0AC5** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-03** | **C0AC6** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/18/25 | |
| **Q1573-04** | **C0AC8** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-05** | **C0O29** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-06** | **C0O30** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-07** | **C0O31** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-08** | **C0O32** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-09** | **C0O33** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-10** | **C0O34** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/17/25 | |
| **Q1573-11** | **C0O35** | **SOIL** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/18/25 | |
| **Q1573-12** | **C0AC7** | **WATER** | | | **03/12/25** | | | **03/14/25** |

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## LAB CHRONICLE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/18/25 | |
| **Q1573-13** | **C0O37** | **WATER** | | | **03/11/25** | | | **03/14/25** |
| | | | PCB Group1 | 8082A | | 03/17/25 | 03/18/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1573 **Order ID:** Q1573

**Client:** Tetra Tech, EMI **Project ID:** R36884 - PCB

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : C0AC4** | | | | | | | | |
| Q1573-01 | C0AC4 | SOIL | Aroclor-1248 | 65.9 | | 8.20 | 23.4 | ug/kg |
| Q1573-01 | C0AC4 | SOIL | Aroclor-1260 | 23.7 | P | 4.40 | 23.4 | ug/kg |
| | | | **Total Concentration:** | **89.600** | | | | |
| **Client ID : C0AC5** | | | | | | | | |
| Q1573-02 | C0AC5 | SOIL | Aroclor-1248 | 85.7 | | 9.30 | 26.7 | ug/kg |
| Q1573-02 | C0AC5 | SOIL | Aroclor-1260 | 32.1 | | 5.10 | 26.7 | ug/kg |
| | | | **Total Concentration:** | **117.800** | | | | |
| **Client ID : C0AC6** | | | | | | | | |
| Q1573-03 | C0AC6 | SOIL | Aroclor-1248 | 35.2 | | 9.40 | 27.0 | ug/kg |
| Q1573-03 | C0AC6 | SOIL | Aroclor-1260 | 21.8 | J | 5.10 | 27.0 | ug/kg |
| | | | **Total Concentration:** | **57.000** | | | | |
| **Client ID : C0AC8** | | | | | | | | |
| Q1573-04 | C0AC8 | SOIL | Aroclor-1248 | 153 | | 10.0 | 28.7 | ug/kg |
| Q1573-04 | C0AC8 | SOIL | Aroclor-1260 | 35.9 | | 5.40 | 28.7 | ug/kg |
| | | | **Total Concentration:** | **188.900** | | | | |
| **Client ID : C0O29** | | | | | | | | |
| Q1573-05 | C0O29 | SOIL | Aroclor-1260 | 59.9 | | 5.80 | 30.4 | ug/kg |
| | | | **Total Concentration:** | **59.900** | | | | |
| **Client ID : C0O30** | | | | | | | | |
| Q1573-06 | C0O30 | SOIL | Aroclor-1260 | 24.3 | J | 4.60 | 24.4 | ug/kg |
| | | | **Total Concentration:** | **24.300** | | | | |
| **Client ID : C0O31** | | | | | | | | |
| Q1573-07 | C0O31 | SOIL | Aroclor-1248 | 338 | | 8.80 | 25.2 | ug/kg |
| Q1573-07 | C0O31 | SOIL | Aroclor-1260 | 97.8 | | 4.80 | 25.2 | ug/kg |
| | | | **Total Concentration:** | **435.800** | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1573 **Order ID:** Q1573

**Client:** Tetra Tech, EMI **Project ID:** R36884 - PCB

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **C0O32** | | | | | | | |
| Q1573-08 | C0O32 | SOIL | Aroclor-1248 | 106 | | 10.7 | 30.8 | ug/kg |
| Q1573-08 | C0O32 | SOIL | Aroclor-1260 | 30.7 | J | 5.90 | 30.8 | ug/kg |
| | | | **Total Concentration:** | **136.700** | | | | |
| **Client ID :** | **C0O33** | | | | | | | |
| Q1573-09 | C0O33 | SOIL | Aroclor-1248 | 204 | | 9.20 | 26.3 | ug/kg |
| Q1573-09 | C0O33 | SOIL | Aroclor-1260 | 176 | | 5.00 | 26.3 | ug/kg |
| | | | **Total Concentration:** | **380.000** | | | | |
| **Client ID :** | **C0O34** | | | | | | | |
| Q1573-10 | C0O34 | SOIL | Aroclor-1248 | 45.5 | | 7.20 | 20.7 | ug/kg |
| Q1573-10 | C0O34 | SOIL | Aroclor-1260 | 9.60 | J | 3.90 | 20.7 | ug/kg |
| | | | **Total Concentration:** | **55.100** | | | | |
| **Client ID :** | **C0O35** | | | | | | | |
| Q1573-11 | C0O35 | SOIL | Aroclor-1248 | 25.5 | | 7.60 | 21.8 | ug/kg |
| Q1573-11 | C0O35 | SOIL | Aroclor-1260 | 13.5 | J | 4.10 | 21.8 | ug/kg |
| | | | **Total Concentration:** | **39.000** | | | | |

# QC SUMMARY

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## Surrogate Summary

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PP070418.D | PIBLK-PP070418.D | Tetrachloro-m-xylene | 1 | 20 | 22.0 | 110 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 23.1 | 116 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.0 | 115 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 23.5 | 117 | | 60 | 140 |
| I.BLK-PP070593.D | PIBLK-PP070593.D | Tetrachloro-m-xylene | 1 | 20 | 19.6 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.1 | 106 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.4 | 107 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 19.8 | 99 | | 60 | 140 |
| PB167154BL | PB167154BL | Tetrachloro-m-xylene | 1 | 20 | 20.5 | 103 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 22.4 | 112 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.5 | 117 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 20.3 | 101 | | 32 | 175 |
| PB167154BS | PB167154BS | Tetrachloro-m-xylene | 1 | 20 | 21.8 | 109 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 22.8 | 114 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.0 | 115 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 21.3 | 107 | | 32 | 175 |
| Q1573-01 | C0AC4 | Tetrachloro-m-xylene | 1 | 20 | 17.4 | 87 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 10.0 | 50 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.8 | 94 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 9.81 | 49 | | 32 | 175 |
| Q1573-01MS | C0AC4MS | Tetrachloro-m-xylene | 1 | 20 | 18.8 | 94 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 12.1 | 60 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.2 | 91 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 11.9 | 60 | | 32 | 175 |
| Q1573-01MSD | C0AC4MSD | Tetrachloro-m-xylene | 1 | 20 | 18.7 | 93 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 12.4 | 62 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.1 | 100 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 12.3 | 62 | | 32 | 175 |
| I.BLK-PP070608.D | PIBLK-PP070608.D | Tetrachloro-m-xylene | 1 | 20 | 19.7 | 99 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.2 | 106 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.8 | 104 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 20.3 | 101 | | 60 | 140 |
| Q1573-02 | C0AC5 | Tetrachloro-m-xylene | 1 | 20 | 14.8 | 74 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 6.12 | 31 | * | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 15.6 | 78 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 6.89 | 34 | | 32 | 175 |
| Q1573-04 | C0AC8 | Tetrachloro-m-xylene | 1 | 20 | 15.7 | 79 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 6.80 | 34 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.7 | 89 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 7.11 | 36 | | 32 | 175 |
| Q1573-05 | C0O29 | Tetrachloro-m-xylene | 1 | 20 | 17.5 | 88 | | 32 | 144 |

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## Surrogate Summary

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| Q1573-05 | C0O29 | Decachlorobiphenyl | 1 | 20 | 11.9 | 59 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.3 | 101 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 12.1 | 60 | | 32 | 175 |
| Q1573-06 | C0O30 | Tetrachloro-m-xylene | 1 | 20 | 17.6 | 88 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 9.25 | 46 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.1 | 100 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 9.33 | 47 | | 32 | 175 |
| Q1573-07 | C0O31 | Tetrachloro-m-xylene | 1 | 20 | 19.2 | 96 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 10.4 | 52 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 111 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 10.9 | 54 | | 32 | 175 |
| Q1573-08 | C0O32 | Tetrachloro-m-xylene | 1 | 20 | 19.4 | 97 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 13.9 | 69 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.1 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 13.5 | 67 | | 32 | 175 |
| Q1573-09 | C0O33 | Tetrachloro-m-xylene | 1 | 20 | 17.4 | 87 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 8.87 | 44 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.2 | 96 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 9.20 | 46 | | 32 | 175 |
| Q1573-10 | C0O34 | Tetrachloro-m-xylene | 1 | 20 | 16.6 | 83 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 8.19 | 41 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.1 | 90 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 8.50 | 43 | | 32 | 175 |
| I.BLK-PP070623.D | PIBLK-PP070623.D | Tetrachloro-m-xylene | 1 | 20 | 19.9 | 99 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.4 | 107 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.8 | 109 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 21.8 | 109 | | 60 | 140 |
| PB167172BL | PB167172BL | Tetrachloro-m-xylene | 1 | 20 | 19.9 | 99 | | 16 | 158 |
| | | Decachlorobiphenyl | 1 | 20 | 19.7 | 99 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.7 | 108 | | 16 | 158 |
| | | Decachlorobiphenyl | 2 | 20 | 18.2 | 91 | | 10 | 173 |
| PB167172BS | PB167172BS | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 106 | | 16 | 158 |
| | | Decachlorobiphenyl | 1 | 20 | 21.1 | 105 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.0 | 110 | | 16 | 158 |
| | | Decachlorobiphenyl | 2 | 20 | 19.3 | 97 | | 10 | 173 |
| PB167172BSD | PB167172BSD | Tetrachloro-m-xylene | 1 | 20 | 21.6 | 108 | | 16 | 158 |
| | | Decachlorobiphenyl | 1 | 20 | 22.0 | 110 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.6 | 113 | | 16 | 158 |
| | | Decachlorobiphenyl | 2 | 20 | 20.1 | 100 | | 10 | 173 |
| Q1573-12 | C0AC7 | Tetrachloro-m-xylene | 1 | 20 | 18.4 | 92 | | 16 | 158 |
| | | Decachlorobiphenyl | 1 | 20 | 5.85 | 29 | | 10 | 173 |

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Fax : 908 789 8922

## Surrogate Summary

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| Q1573-12 | C0AC7 | Tetrachloro-m-xylene | 2 | 20 | 19.1 | 96 | | 16 | 158 |
| | | Decachlorobiphenyl | 2 | 20 | 6.10 | 31 | | 10 | 173 |
| Q1573-13 | C0O37 | Tetrachloro-m-xylene | 1 | 20 | 14.2 | 71 | | 16 | 158 |
| | | Decachlorobiphenyl | 1 | 20 | 4.10 | 21 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 15.3 | 77 | | 16 | 158 |
| | | Decachlorobiphenyl | 2 | 20 | 3.94 | 20 | | 10 | 173 |
| I.BLK-PP070636.D | PIBLK-PP070636.D | Tetrachloro-m-xylene | 1 | 20 | 19.8 | 99 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 20.8 | 104 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.3 | 101 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 19.3 | 96 | | 60 | 140 |
| I.BLK-PP070642.D | PIBLK-PP070642.D | Tetrachloro-m-xylene | 1 | 20 | 19.7 | 99 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.1 | 106 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.8 | 104 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 20.2 | 101 | | 60 | 140 |
| Q1573-03 | C0AC6 | Tetrachloro-m-xylene | 1 | 20 | 11.5 | 58 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 17.4 | 87 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 13.1 | 66 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 17.2 | 86 | | 32 | 175 |
| Q1573-11 | C0O35 | Tetrachloro-m-xylene | 1 | 20 | 13.0 | 65 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 7.20 | 36 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 15.2 | 76 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 7.49 | 37 | | 32 | 175 |
| I.BLK-PP070651.D | PIBLK-PP070651.D | Tetrachloro-m-xylene | 1 | 20 | 19.6 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.4 | 107 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.6 | 103 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 20.6 | 103 | | 60 | 140 |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A **DataFile :** PP070602.D

| Lab Sample ID: | Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Client Sample ID:** | **C0AC4MS** | | | | | | | | | | | |
| Q1573-01MS | AR1016 | 229.4 | 0 | 245 | ug/kg | 107 | | | | 55 | 146 | |
| | AR1260 | 229.4 | 23.7 | 201 | ug/kg | 77 | | | | 31 | 146 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A **DataFile :** PP070603.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:** | **C0AC4MSD** | | | | | | | | | | | |
| Q1573-01MSD | AR1016 | 229.7 | 0 | 239 | ug/kg | 104 | | 3 | | 55 | 146 | 20 |
| | AR1260 | 229.7 | 23.7 | 198 | ug/kg | 76 | | 1 | | 31 | 146 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A **Datafile :** PP070595.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167154BS | AR1016 | 166.6 | 167 | ug/kg | 100 | | | | 71 | 120 | |
| | AR1260 | 166.6 | 159 | ug/kg | 95 | | | | 65 | 130 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A **Datafile :** PP070627.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167172BS | AR1016 | 5 | 4.50 | ug/L | 90 | | | | 61 | 112 | |
| | AR1260 | 5 | 4.20 | ug/L | 84 | | | | 66 | 113 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1573

**Client:** Tetra Tech, EMI

**Analytical Method:** 8082A **Datafile :** PP070628.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167172BSD | AR1016 | 5 | 4.50 | ug/L | 90 | 0 | | | 61 | 112 | 20 |
| | AR1260 | 5 | 4.40 | ug/L | 88 | 5 | | | 66 | 113 | 20 |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167154BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167154BL Lab File ID: PP070594.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/17/2025

Date Analyzed (1): 03/17/2025 Date Analyzed (2): 03/17/2025

Time Analyzed (1): 15:22 Time Analyzed (2): 15:22

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 |
|---|---|---|---|---|
| PB167154BS | PB167154BS | PP070595.D | 03/17/2025 | 03/17/2025 |
| C0AC4 | Q1573-01 | PP070601.D | 03/17/2025 | 03/17/2025 |
| C0AC4MS | Q1573-01MS | PP070602.D | 03/17/2025 | 03/17/2025 |
| C0AC4MSD | Q1573-01MSD | PP070603.D | 03/17/2025 | 03/17/2025 |
| C0AC5 | Q1573-02 | PP070609.D | 03/17/2025 | 03/17/2025 |
| C0AC8 | Q1573-04 | PP070611.D | 03/17/2025 | 03/17/2025 |
| C0O29 | Q1573-05 | PP070612.D | 03/17/2025 | 03/17/2025 |
| C0O30 | Q1573-06 | PP070613.D | 03/17/2025 | 03/17/2025 |
| C0O31 | Q1573-07 | PP070614.D | 03/17/2025 | 03/17/2025 |
| C0O32 | Q1573-08 | PP070615.D | 03/17/2025 | 03/17/2025 |
| C0O33 | Q1573-09 | PP070616.D | 03/17/2025 | 03/17/2025 |
| C0O34 | Q1573-10 | PP070617.D | 03/17/2025 | 03/17/2025 |
| C0AC6 | Q1573-03 | PP070644.D | 03/18/2025 | 03/18/2025 |
| C0O35 | Q1573-11 | PP070645.D | 03/18/2025 | 03/18/2025 |

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167172BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167172BL Lab File ID: PP070626.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/17/2025

Date Analyzed (1): 03/18/2025 Date Analyzed (2): 03/18/2025

Time Analyzed (1): 01:06 Time Analyzed (2): 01:06

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 |
|---|---|---|---|---|
| PB167172BS | PB167172BS | PP070627.D | 03/18/2025 | 03/18/2025 |
| PB167172BSD | PB167172BSD | PP070628.D | 03/18/2025 | 03/18/2025 |
| C0AC7 | Q1573-12 | PP070629.D | 03/18/2025 | 03/18/2025 |
| C0037 | Q1573-13 | PP070630.D | 03/18/2025 | 03/18/2025 |

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: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC4 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-01 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 72.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070601.D | 1 | 03/17/25 08:35 | 03/17/25 17:15 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 23.4 | U | 5.40 | 23.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 23.4 | U | 5.50 | 23.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 23.4 | U | 5.10 | 23.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 23.4 | U | 5.50 | 23.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 65.9 | | 8.20 | 23.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 23.4 | U | 4.40 | 23.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 23.4 | U | 6.90 | 23.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 23.4 | U | 5.00 | 23.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 23.7 | P | 4.40 | 23.4 | ug/kg |
| Total PCBs | Total PCBs | 89.6 | | 12.6 | 23.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.8 | | 32 - 144 | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.0 | | 32 - 175 | 50% | 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\PP031725\
Data File : PP070601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:15
Operator : YP\AJ
Sample : Q1573-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.523 | 3.826 | 27120977 | 18810448 | 17.437 | 18.768 | |
| 2) | SA Decachlor... | 10.245 | 8.873 | 10656877 | 9597490 | 10.031 | 9.810 | |
| | Target Compounds | | | | | | | |
| 21) | L5 AR-1248-1 | 5.674 | 4.914 | 1841859 | 1675461 | 53.925m | 71.371m | # |
| 22) | L5 AR-1248-2 | 5.946 | 5.149 | 6629484 | 4646781 | 156.182 | 148.443 | |
| 23) | L5 AR-1248-3 | 6.149 | 5.191 | 6554021 | 4750698 | 142.020 | 149.762 | |
| 24) | L5 AR-1248-4 | 6.547 | 5.364 | 7792656 | 6628430 | 134.376 | 170.077 | # |
| 25) | L5 AR-1248-5 | 6.587 | 5.758 | 9902447 | 6783105 | 184.447 | 178.097 | |
| 31) | L7 AR-1260-1 | 7.268 | 6.401 | 2909322 | 4295884 | 49.530 | 86.290 | # |
| 32) | L7 AR-1260-2 | 7.522 | 6.589 | 3931901 | 3182644 | 47.925 | 48.158 | |
| 33) | L7 AR-1260-3 | 7.879 | 6.743 | 2129434 | 2524870 | 32.383 | 44.143 | # |
| 34) | L7 AR-1260-4 | 8.101 | 7.216 | 2433068 | 2128289 | 37.235m | 41.598 | |
| 35) | L7 AR-1260-5 | 8.425 | 7.455 | 4214981 | 4901416 | 30.839 | 38.059 | |

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

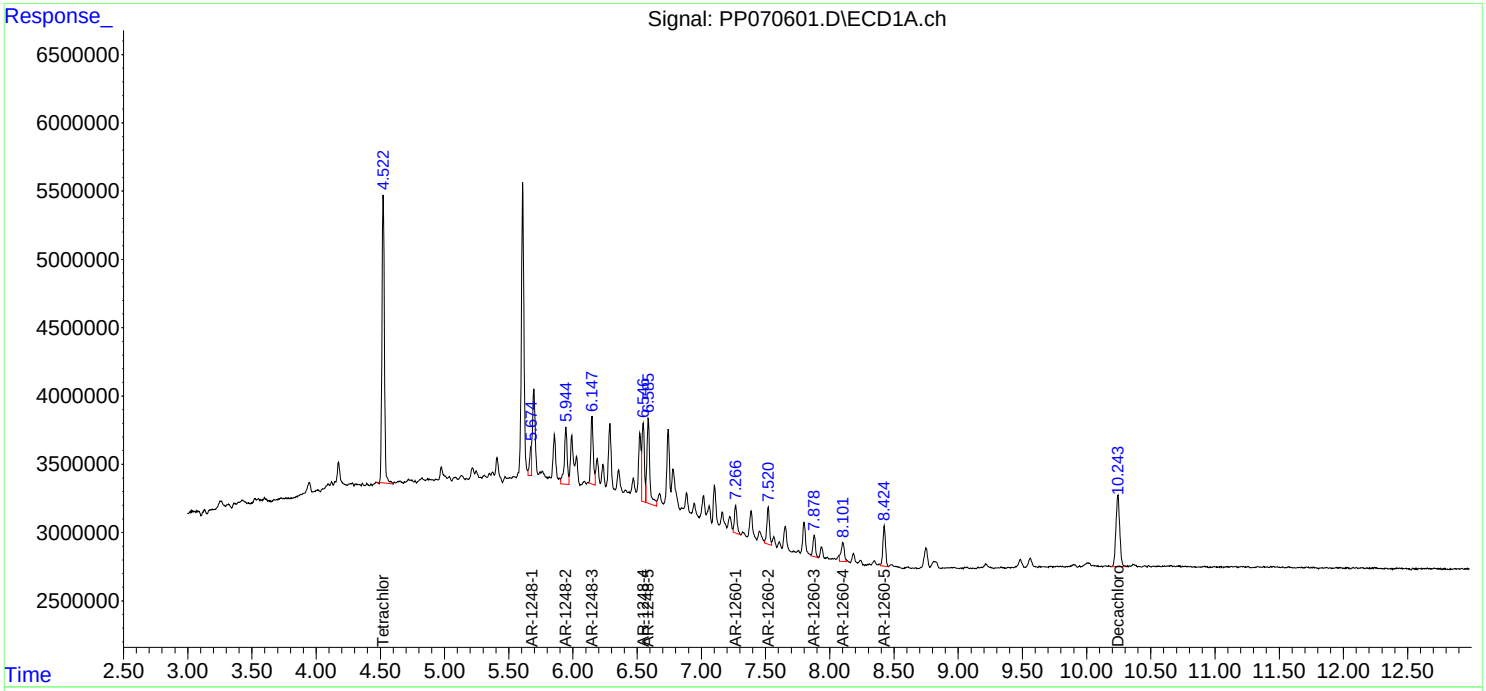
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:15
Operator : YP\AJ
Sample : Q1573-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

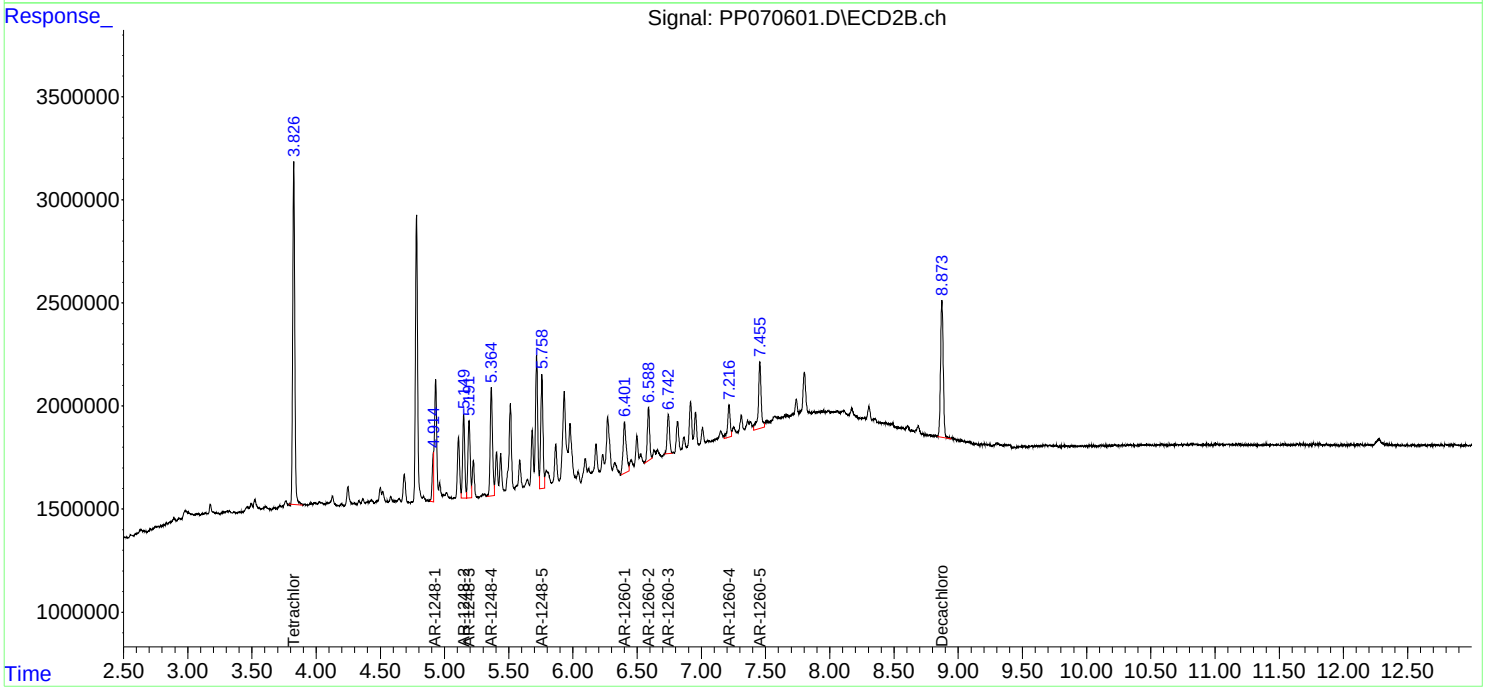
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

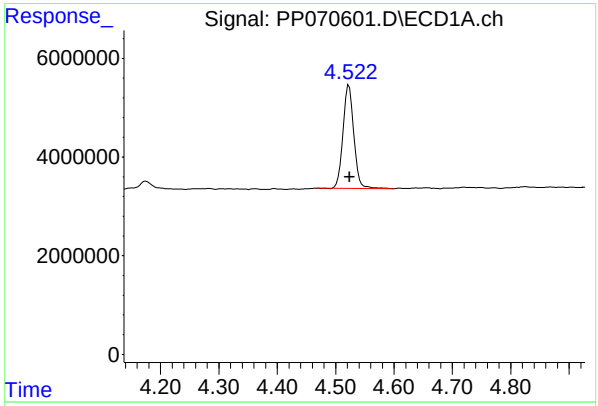
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





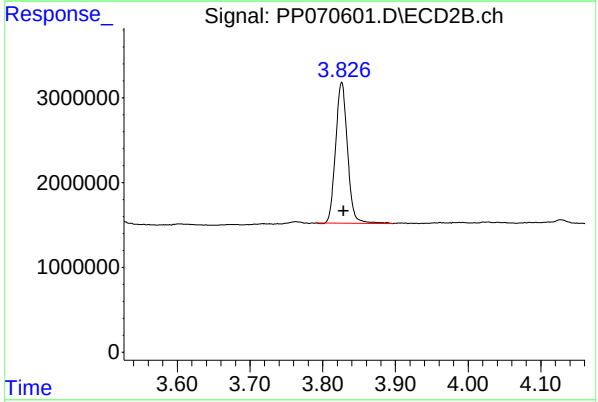

#1 Tetrachloro-m-xylene

R.T.: 4.523 min
Delta R.T.: 0.000 mi
Response: 27120977
Conc: 17.44 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

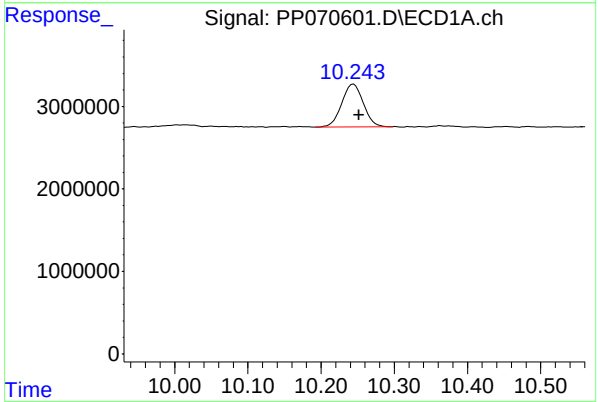
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



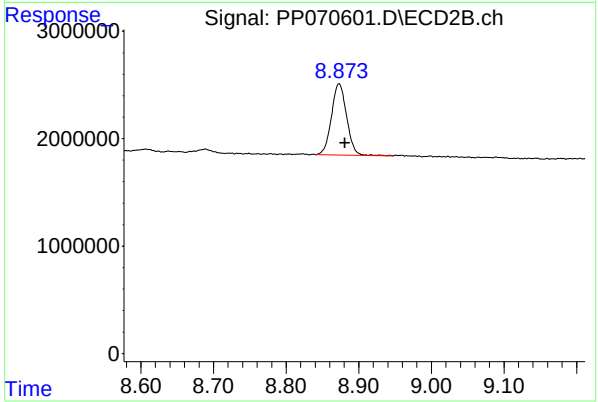

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 18810448
Conc: 18.77 ng/ml



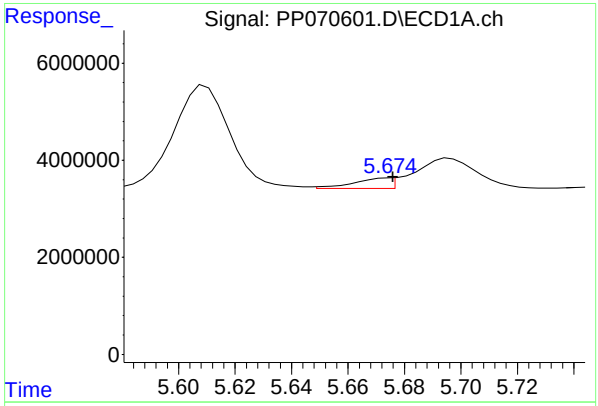

#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 10656877
Conc: 10.03 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.873 min
Delta R.T.: -0.008 min
Response: 9597490
Conc: 9.81 ng/ml



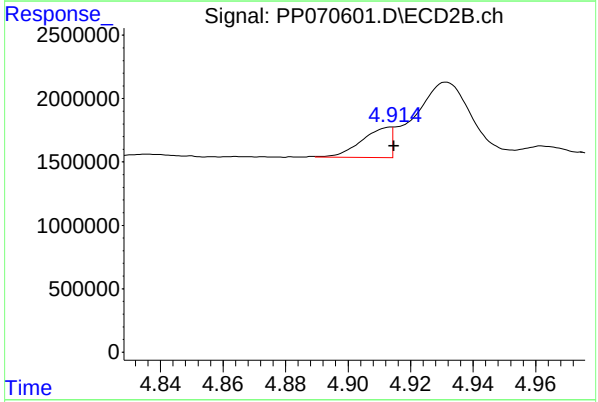

#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 mi
Response: 1841859
Conc: 53.92 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

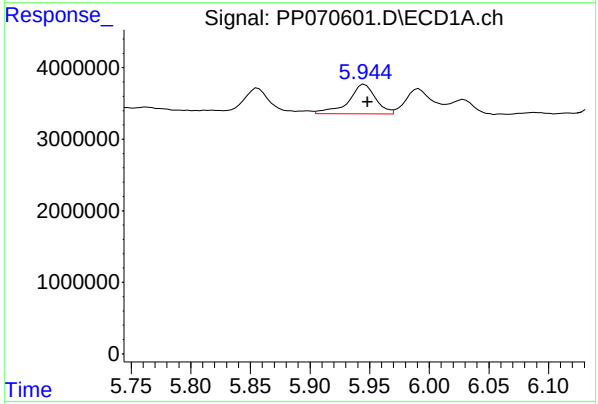
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



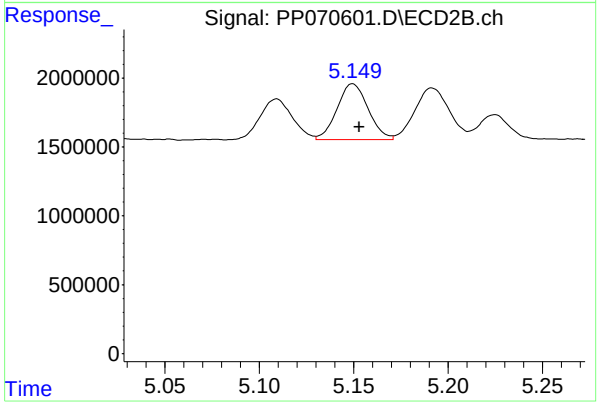

#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 1675461
Conc: 71.37 ng/ml m



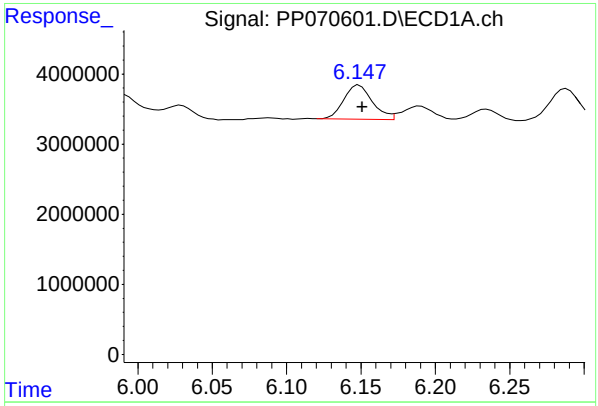

#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 6629484
Conc: 156.18 ng/ml




#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.003 min
Response: 4646781
Conc: 148.44 ng/ml



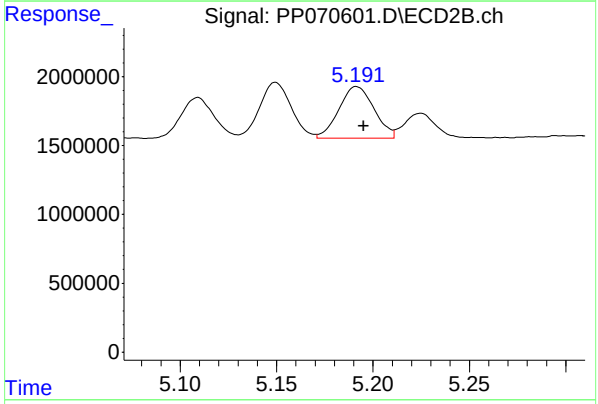

#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 6554021
Conc: 142.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

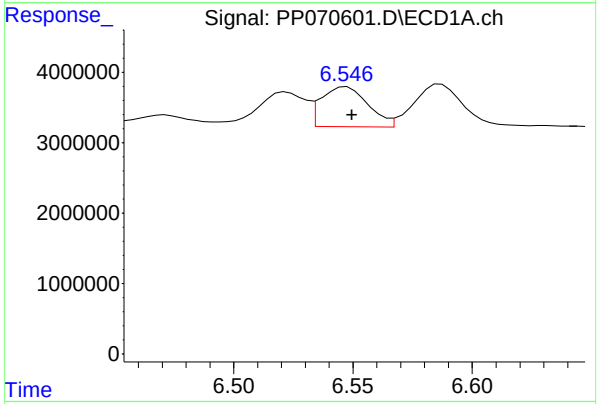
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



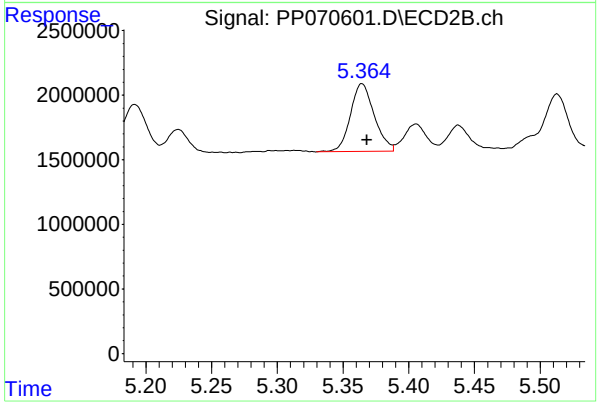

#23 AR-1248-3

R.T.: 5.191 min
Delta R.T.: -0.004 min
Response: 4750698
Conc: 149.76 ng/ml



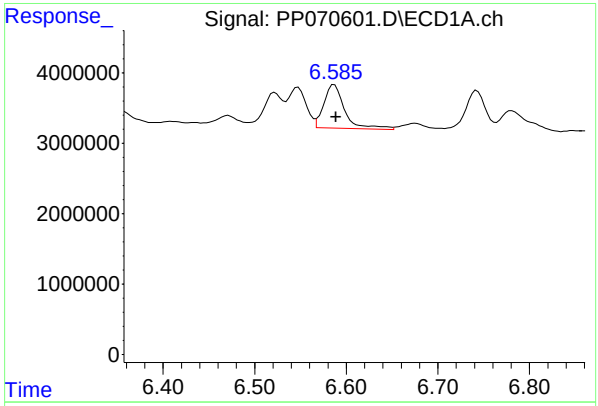

#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.002 min
Response: 7792656
Conc: 134.38 ng/ml




#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 6628430
Conc: 170.08 ng/ml



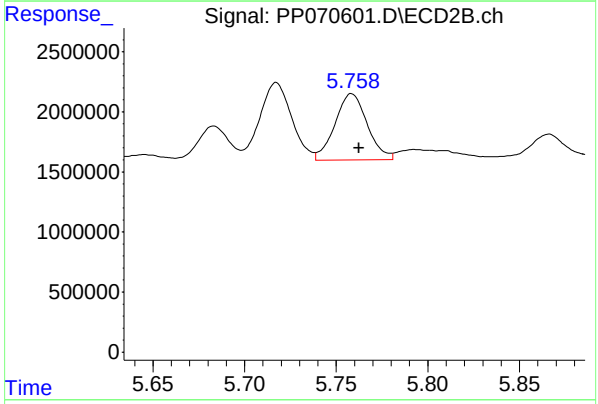

#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 9902447
Conc: 184.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

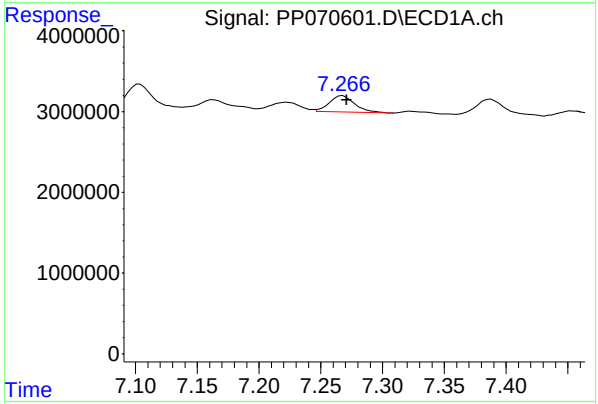
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



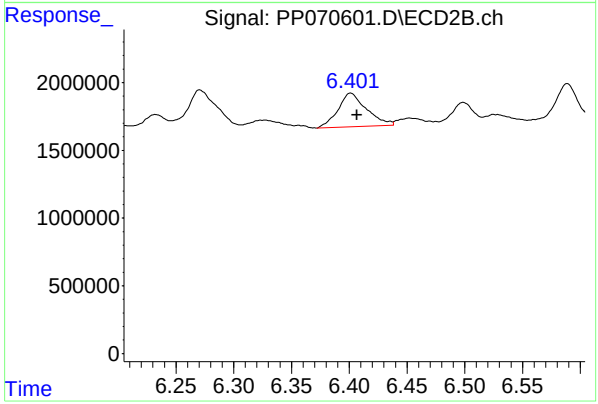

#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 6783105
Conc: 178.10 ng/ml



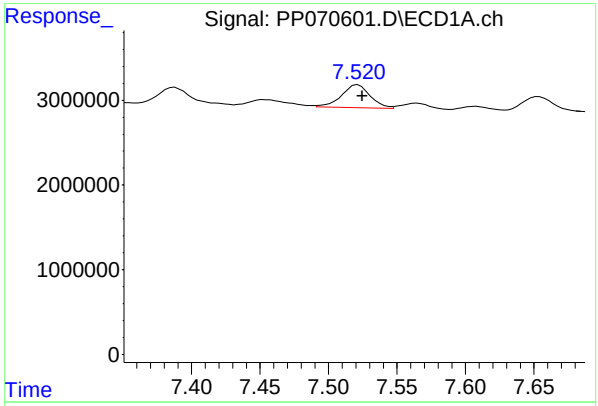

#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 2909322
Conc: 49.53 ng/ml




#31 AR-1260-1

R.T.: 6.401 min
Delta R.T.: -0.005 min
Response: 4295884
Conc: 86.29 ng/ml



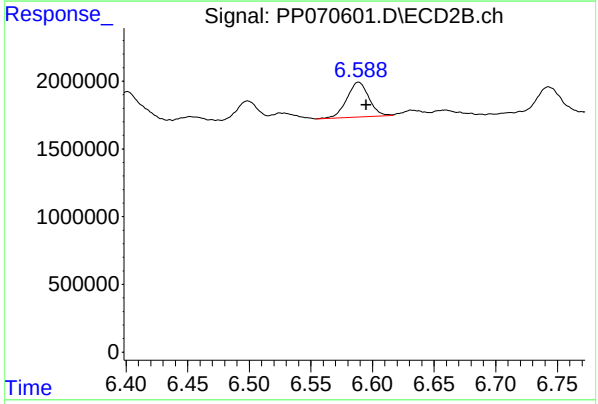

#32 AR-1260-2

R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 3931901
Conc: 47.92 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

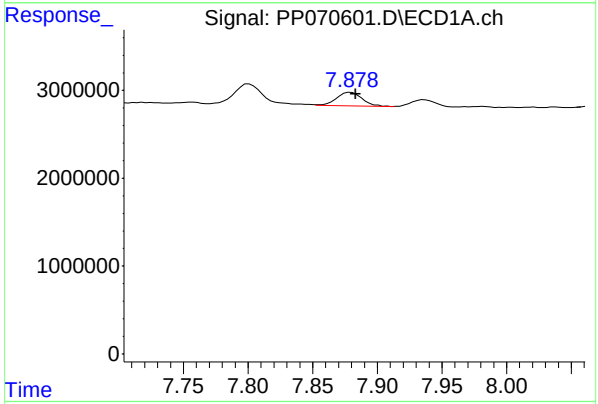
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



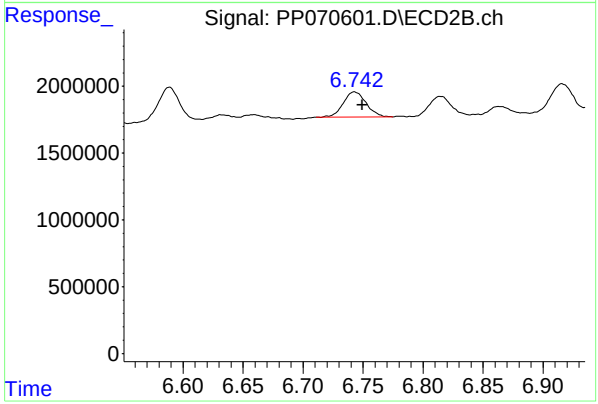

#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 3182644
Conc: 48.16 ng/ml



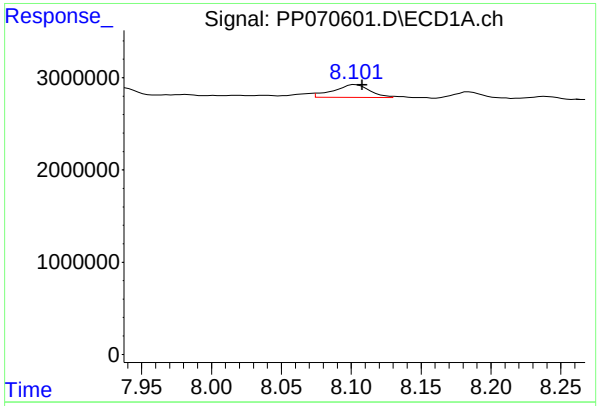

#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 2129434
Conc: 32.38 ng/ml




#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 2524870
Conc: 44.14 ng/ml



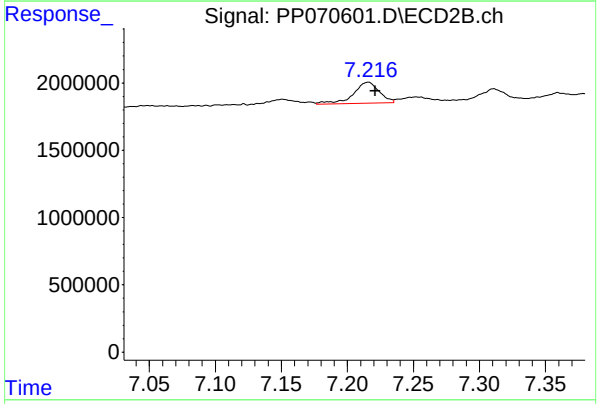

#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.006 min
Response: 2433068
Conc: 37.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4

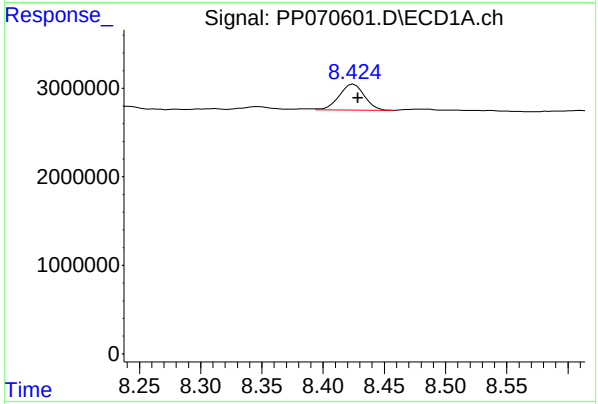
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



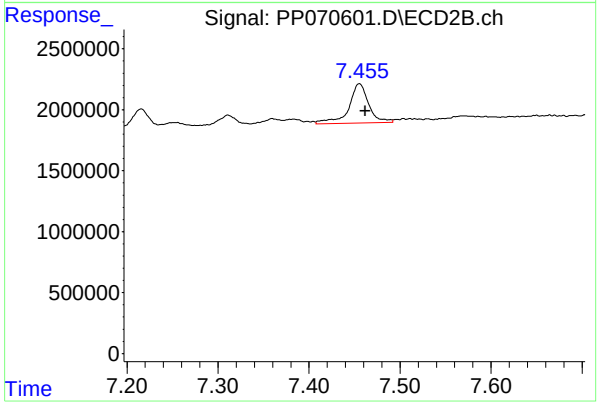

#34 AR-1260-4

R.T.: 7.216 min
Delta R.T.: -0.005 min
Response: 2128289
Conc: 41.60 ng/ml




#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 4214981
Conc: 30.84 ng/ml




#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 4901416
Conc: 38.06 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC5 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-02 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 63.5 Decanted: |
| Sample Wt/Vol: | 30.1 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070609.D | 1 | 03/17/25 08:35 | 03/17/25 19:58 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 26.7 | U | 6.20 | 26.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 26.7 | U | 6.30 | 26.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 26.7 | U | 5.80 | 26.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 26.7 | U | 6.30 | 26.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 85.7 | | 9.30 | 26.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 26.7 | U | 5.00 | 26.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 26.7 | U | 7.90 | 26.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 26.7 | U | 5.70 | 26.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 32.1 | | 5.10 | 26.7 | ug/kg |
| Total PCBs | Total PCBs | 118 | | 14.4 | 26.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.6 | | 32 - 144 | 78% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 6.89 | | 32 - 175 | 34% | 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\PP031725\
Data File : PP070609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:58
Operator : YP\AJ
Sample : Q1573-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 23052779 | 15643848 | 14.821 | 15.608 |
| 2) | SA Decachlor... | 10.242 | 8.870 | 6504537 | 6745098 | 6.123 | 6.894m |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.678 | 4.914 | 2448331 | 923736 | 71.681m | 39.349m# |
| 22) | L5 AR-1248-2 | 5.944 | 5.148 | 6016892 | 4382922 | 141.750 | 140.014 |
| 23) | L5 AR-1248-3 | 6.146 | 5.190 | 6997408 | 4820418 | 151.628 | 151.960 |
| 24) | L5 AR-1248-4 | 6.546 | 5.363 | 10303861 | 6516530 | 177.680 | 167.206 |
| 25) | L5 AR-1248-5 | 6.585 | 5.756 | 14816828 | 10364372 | 275.984 | 272.126 |
| 31) | L7 AR-1260-1 | 7.266 | 6.400 | 3654466 | 5406767 | 62.216 | 108.604 # |
| 32) | L7 AR-1260-2 | 7.519 | 6.587 | 5054789 | 3330796 | 61.611 | 50.400 |
| 33) | L7 AR-1260-3 | 7.878 | 6.741 | 2949699 | 3219668 | 44.857 | 56.291 # |
| 34) | L7 AR-1260-4 | 8.101 | 7.213 | 3949107 | 2365442 | 60.437 | 46.233 |
| 35) | L7 AR-1260-5 | 8.422 | 7.454 | 5549769 | 5822867 | 40.605 | 45.214 |

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

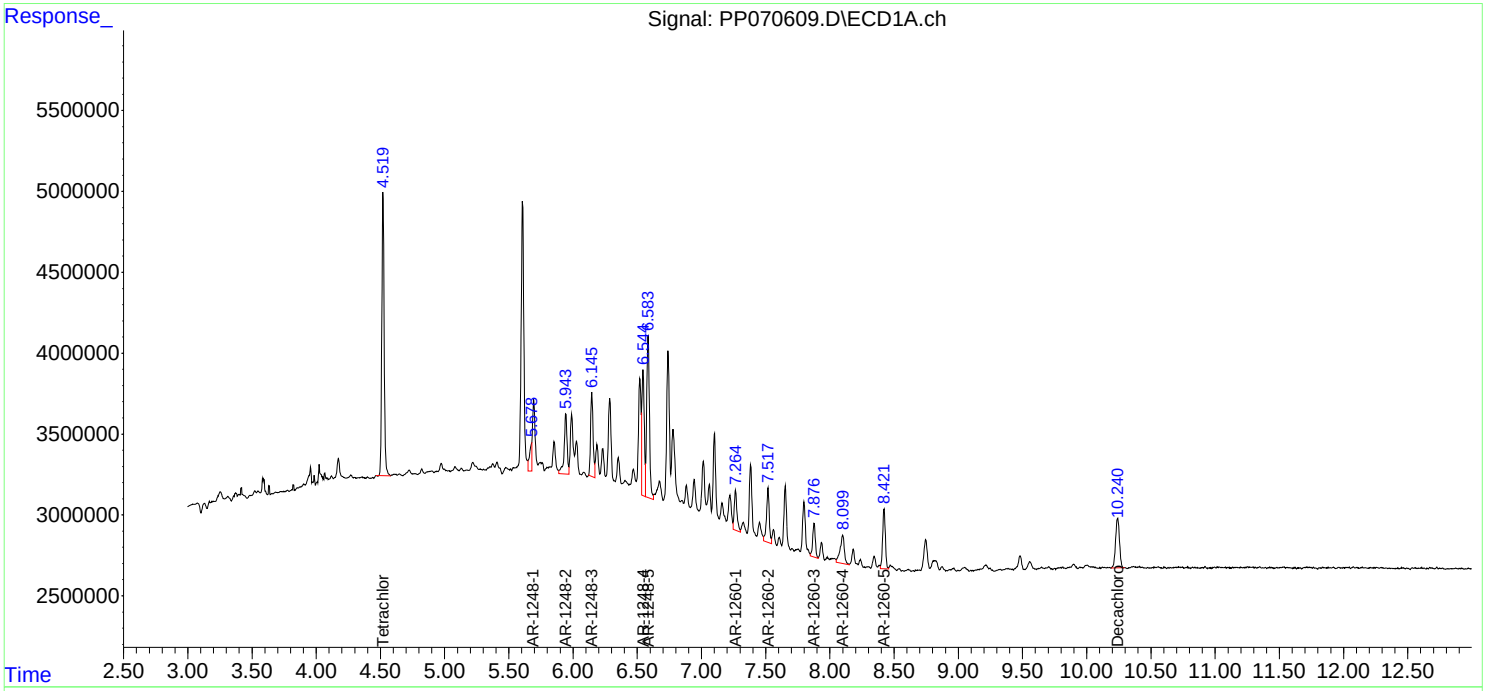
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:58
Operator : YP\AJ
Sample : Q1573-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

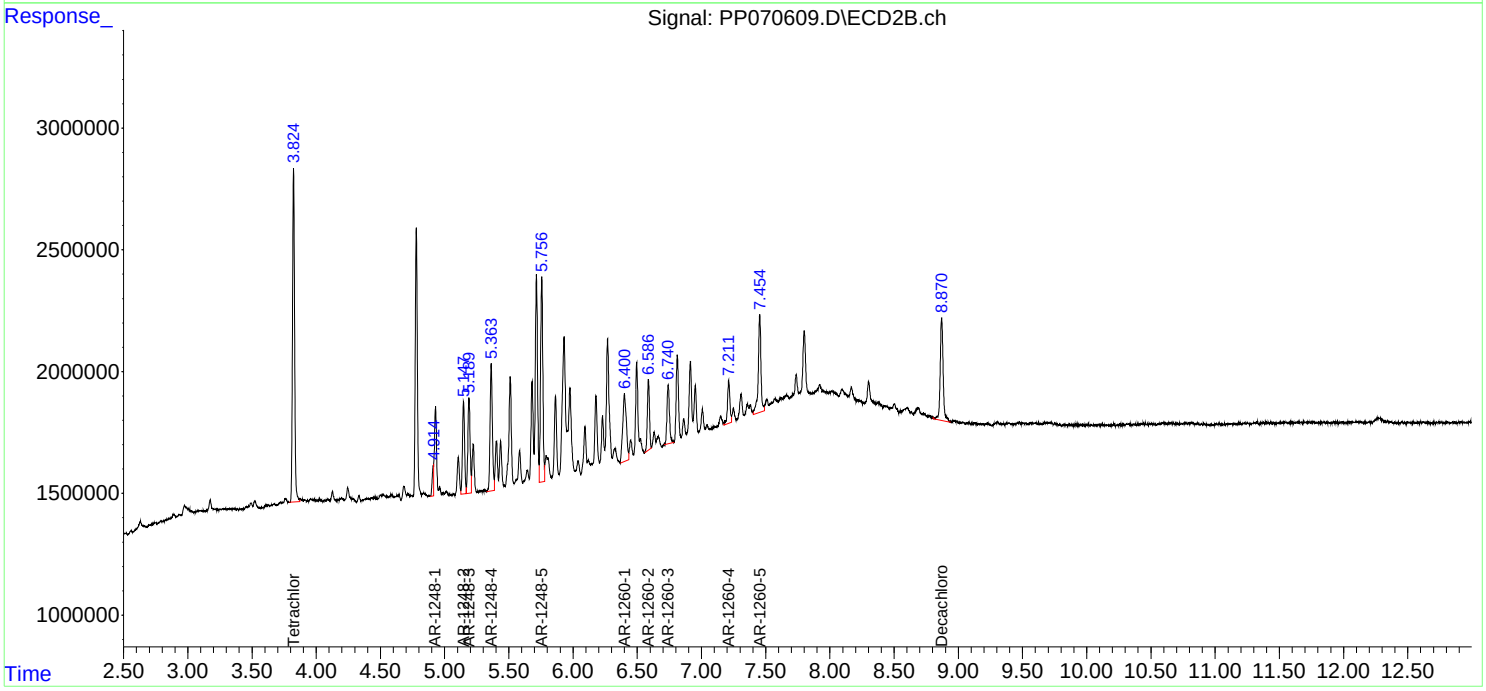
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

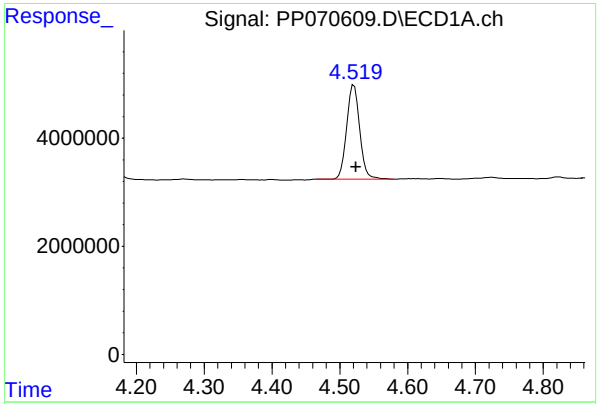
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





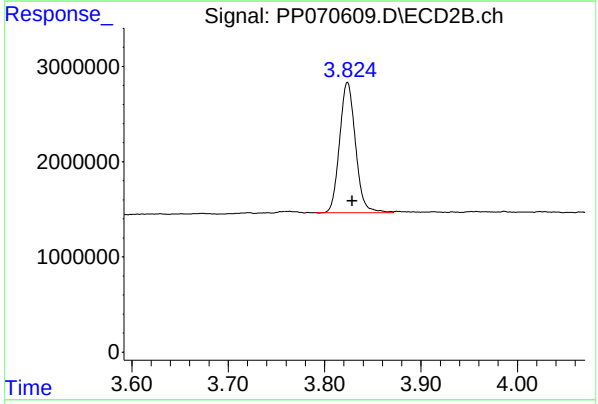

#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 23052779
Conc: 14.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

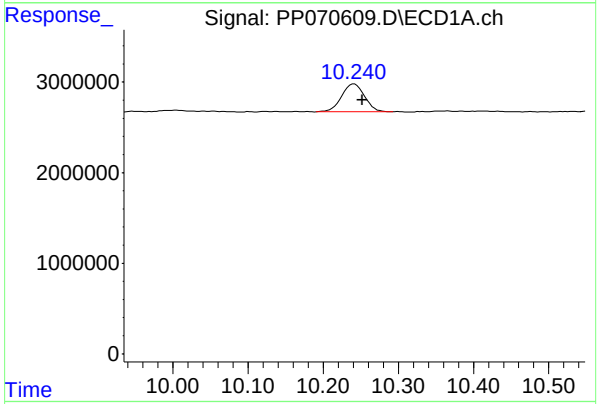
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



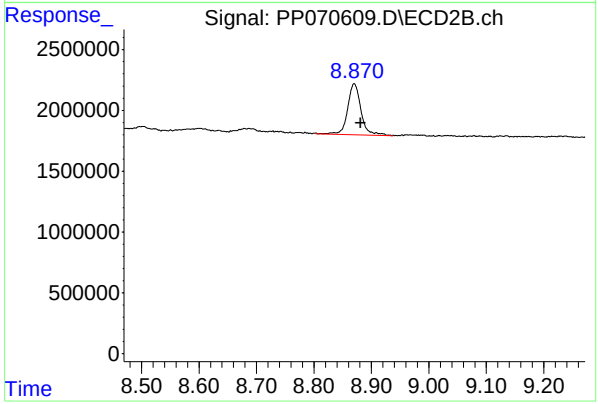

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 15643848
Conc: 15.61 ng/ml



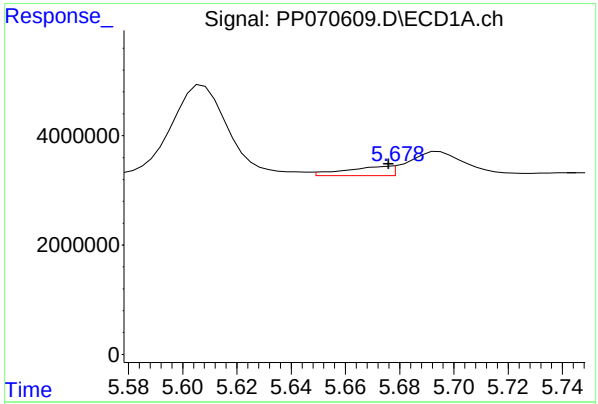

#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 6504537
Conc: 6.12 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 6745098
Conc: 6.89 ng/ml m



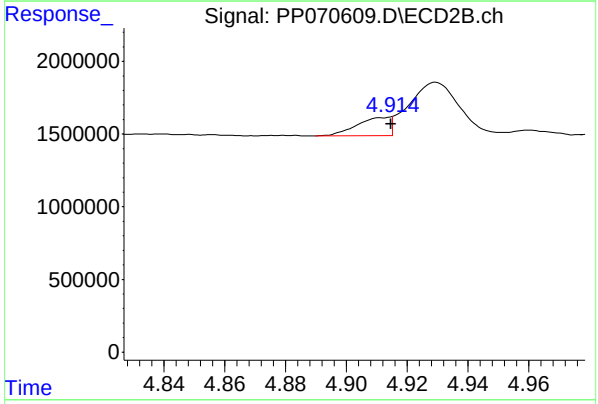

#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 min
Response: 2448331
Conc: 71.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

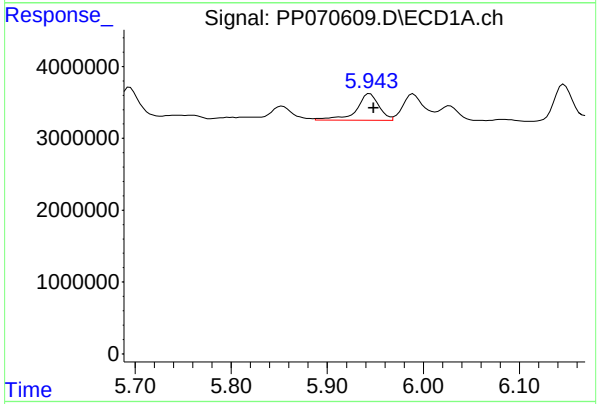
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



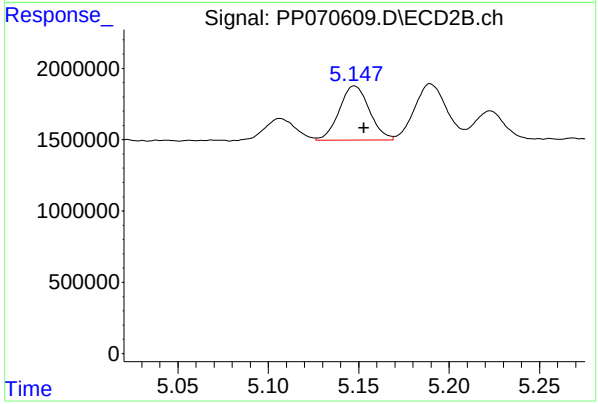

#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 923736
Conc: 39.35 ng/ml m



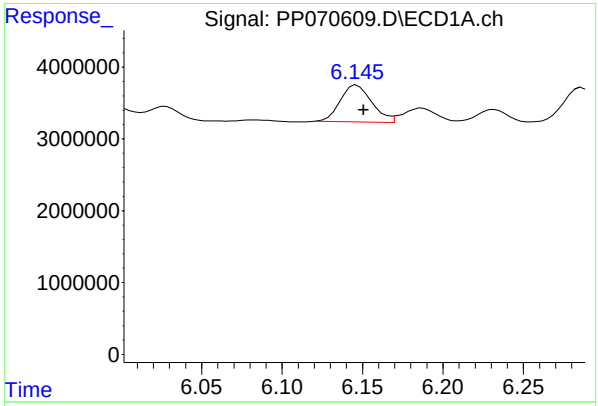

#22 AR-1248-2

R.T.: 5.944 min
Delta R.T.: -0.004 min
Response: 6016892
Conc: 141.75 ng/ml




#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 4382922
Conc: 140.01 ng/ml



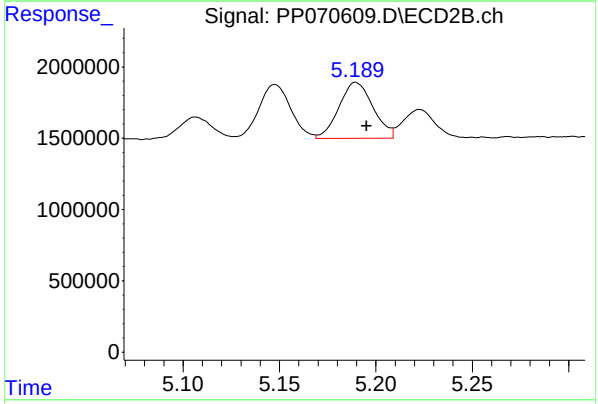

#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.004 min
Response: 6997408
Conc: 151.63 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

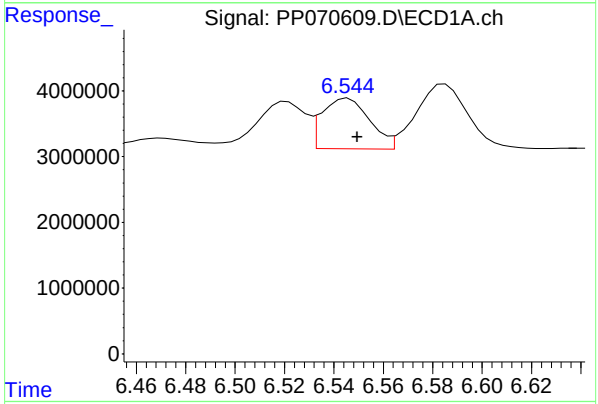
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



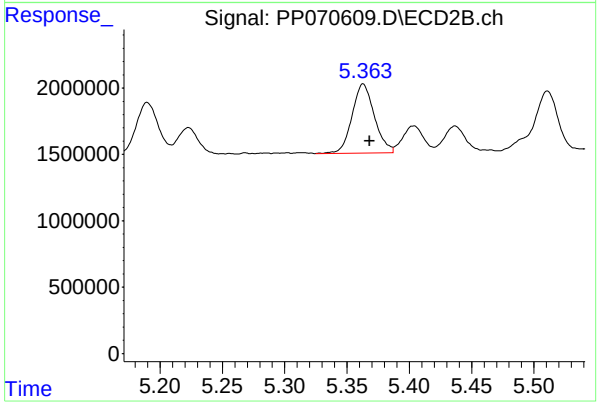

#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 4820418
Conc: 151.96 ng/ml



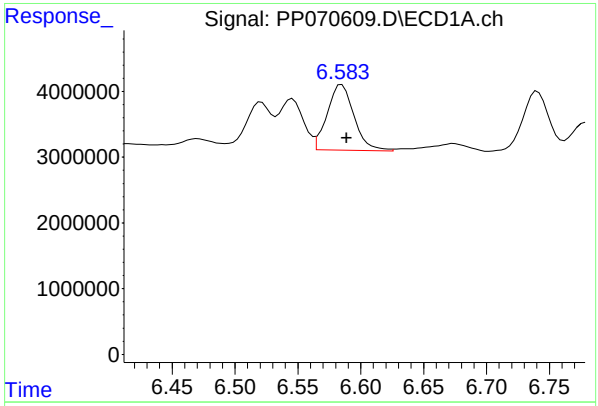

#24 AR-1248-4

R.T.: 6.546 min
Delta R.T.: -0.004 min
Response: 10303861
Conc: 177.68 ng/ml




#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 6516530
Conc: 167.21 ng/ml



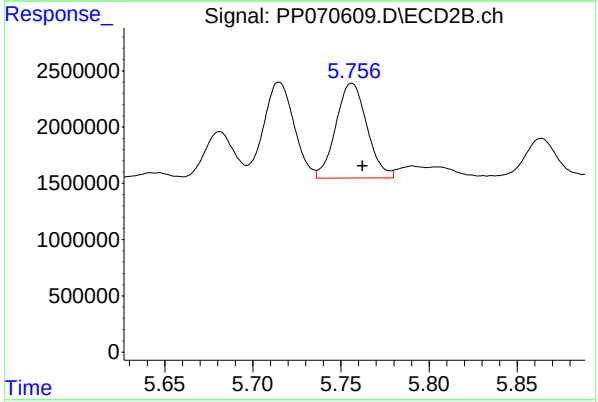

#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 min
Response: 14816828
Conc: 275.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

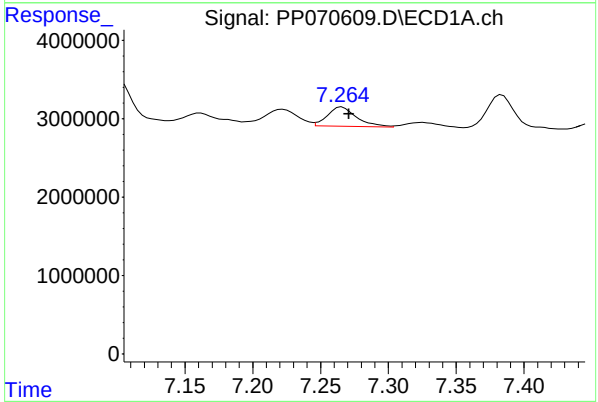
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



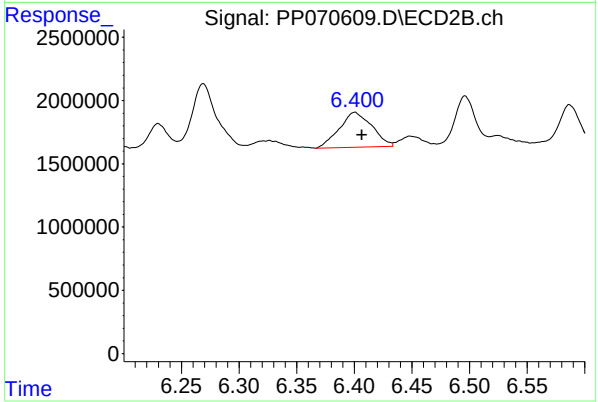

#25 AR-1248-5

R.T.: 5.756 min
Delta R.T.: -0.006 min
Response: 10364372
Conc: 272.13 ng/ml



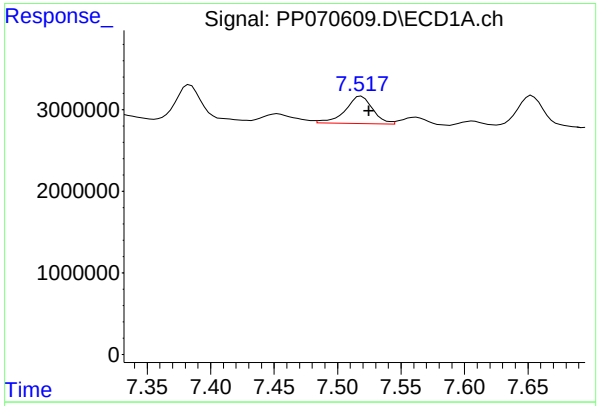

#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 3654466
Conc: 62.22 ng/ml




#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 5406767
Conc: 108.60 ng/ml



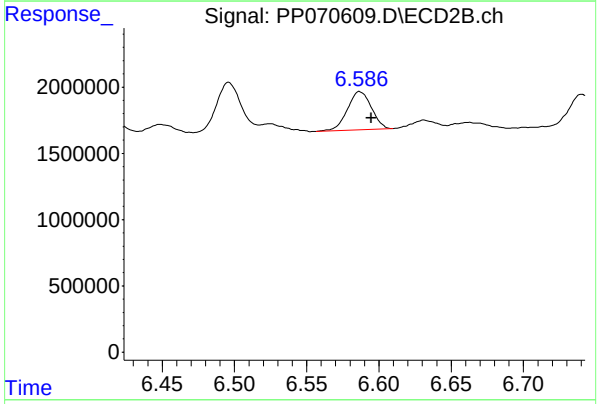

#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.006 min
Response: 5054789
Conc: 61.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

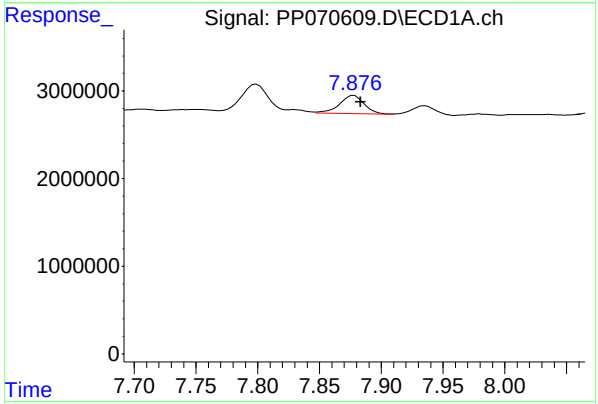
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



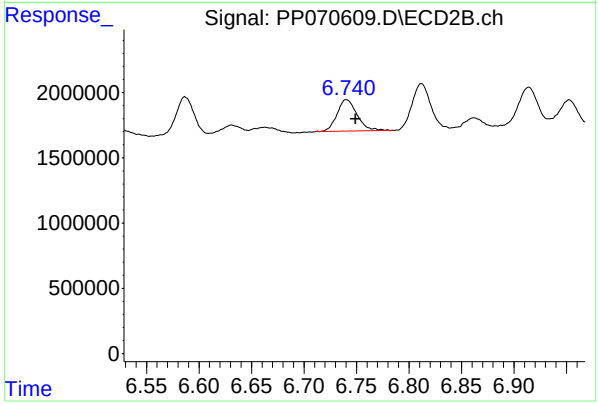

#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 3330796
Conc: 50.40 ng/ml



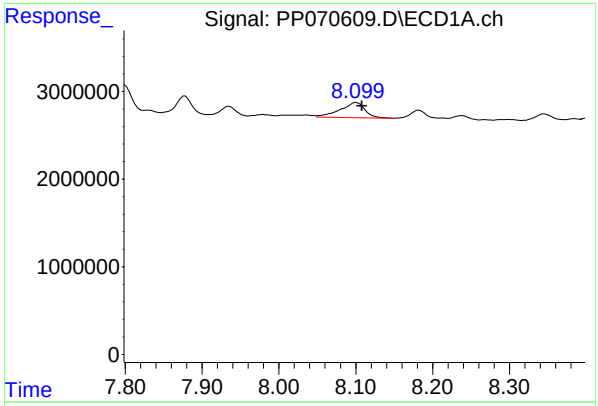

#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 2949699
Conc: 44.86 ng/ml




#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 3219668
Conc: 56.29 ng/ml



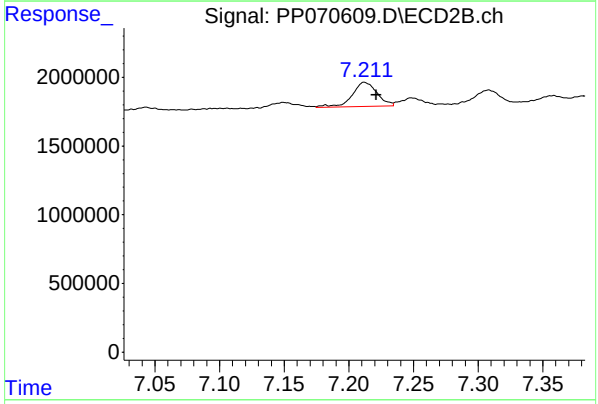

#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 3949107
Conc: 60.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC5

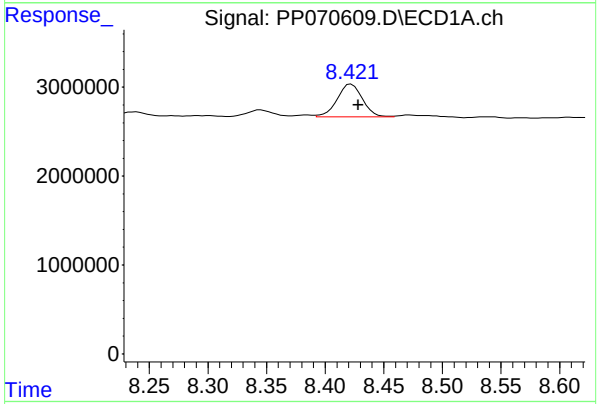
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



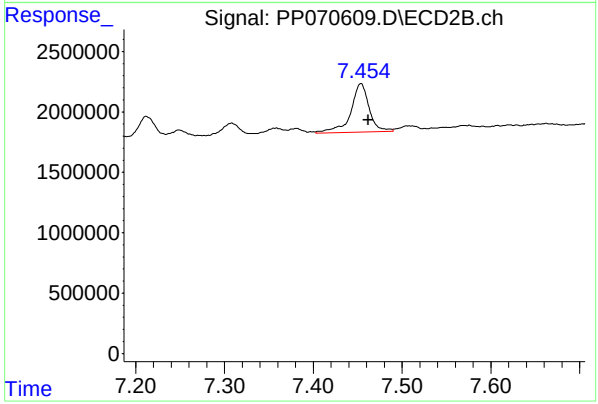

#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.009 min
Response: 2365442
Conc: 46.23 ng/ml




#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 5549769
Conc: 40.60 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 5822867
Conc: 45.21 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC6 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-03 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 62.8 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070644.D | 1 | 03/17/25 08:35 | 03/18/25 09:42 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 27.0 | U | 6.30 | 27.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 27.0 | U | 6.40 | 27.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 27.0 | U | 5.90 | 27.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 27.0 | U | 6.40 | 27.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 35.2 | | 9.40 | 27.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 27.0 | U | 5.10 | 27.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 27.0 | U | 8.00 | 27.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 27.0 | U | 5.70 | 27.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 21.8 | J | 5.10 | 27.0 | ug/kg |
| Total PCBs | Total PCBs | 57.0 | | 14.5 | 27.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 13.1 | | 32 - 144 | 66% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.4 | | 32 - 175 | 87% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:42
Operator : YP\AJ
Sample : Q1573-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.822 | 17920255 | 13142074 | 11.521 | 13.112 |
| 2) | SA Decachlor... | 10.241 | 8.868 | 18453274 | 16800214 | 17.370 | 17.172 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.673 | 4.912 | 1095092 | 649289 | 32.062m | 27.658m |
| 22) | L5 AR-1248-2 | 5.943 | 5.146 | 3418082 | 2196609 | 80.525 | 70.171 |
| 23) | L5 AR-1248-3 | 6.146 | 5.187 | 2727393 | 2163586 | 59.100 | 68.206 |
| 24) | L5 AR-1248-4 | 6.545 | 5.360 | 3195668 | 2654226 | 55.106m | 68.104 |
| 25) | L5 AR-1248-5 | 6.583 | 5.754 | 4652319 | 3749122 | 86.656m | 98.437 |
| 31) | L7 AR-1260-1 | 7.265 | 6.397 | 2921970 | 3105834 | 49.746 | 62.386 # |
| 32) | L7 AR-1260-2 | 7.519 | 6.584 | 3497187 | 2333431 | 42.626 | 35.308 |
| 33) | L7 AR-1260-3 | 7.877 | 6.740 | 2031265 | 1963124 | 30.890 | 34.322 |
| 34) | L7 AR-1260-4 | 8.101 | 7.210 | 2997180 | 1947222 | 45.869 | 38.059 |
| 35) | L7 AR-1260-5 | 8.421 | 7.451 | 4423252 | 4563471 | 32.363 | 35.435 |

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

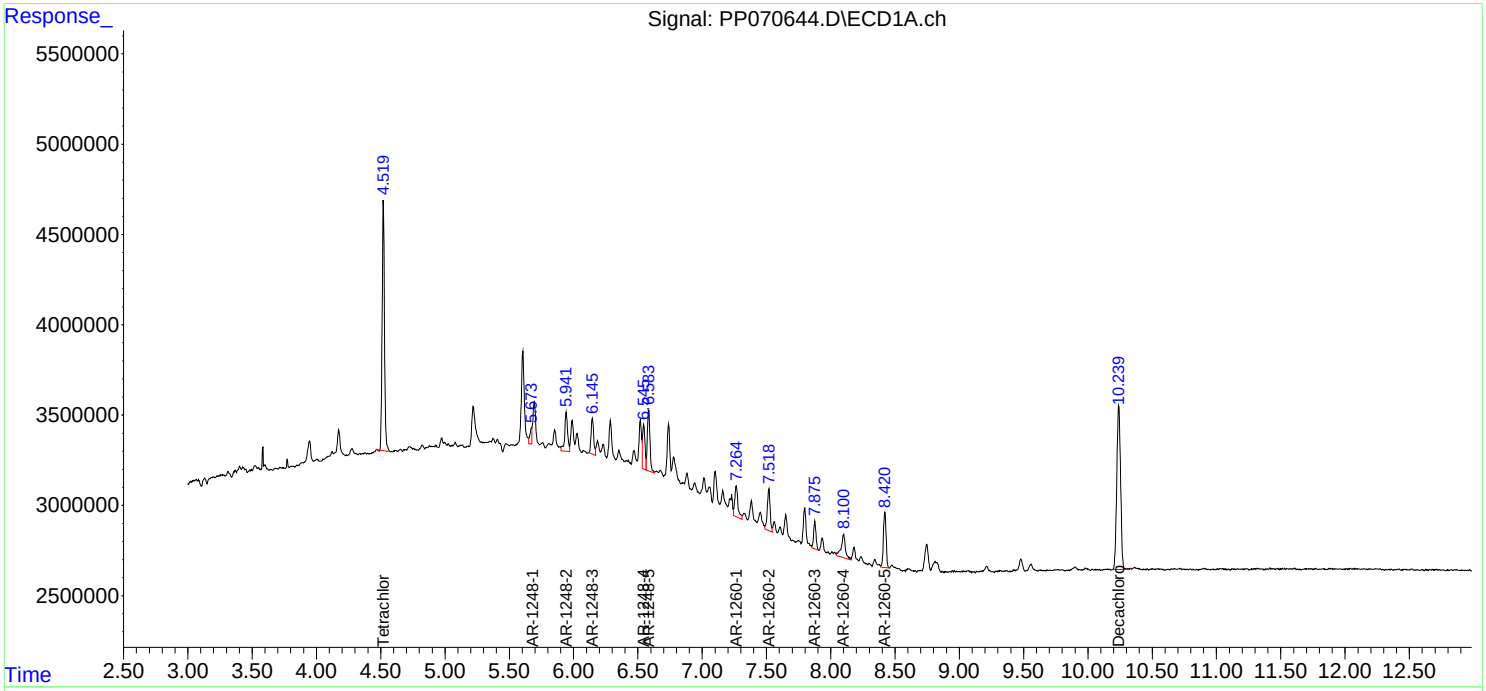
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:42
Operator : YP\AJ
Sample : Q1573-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

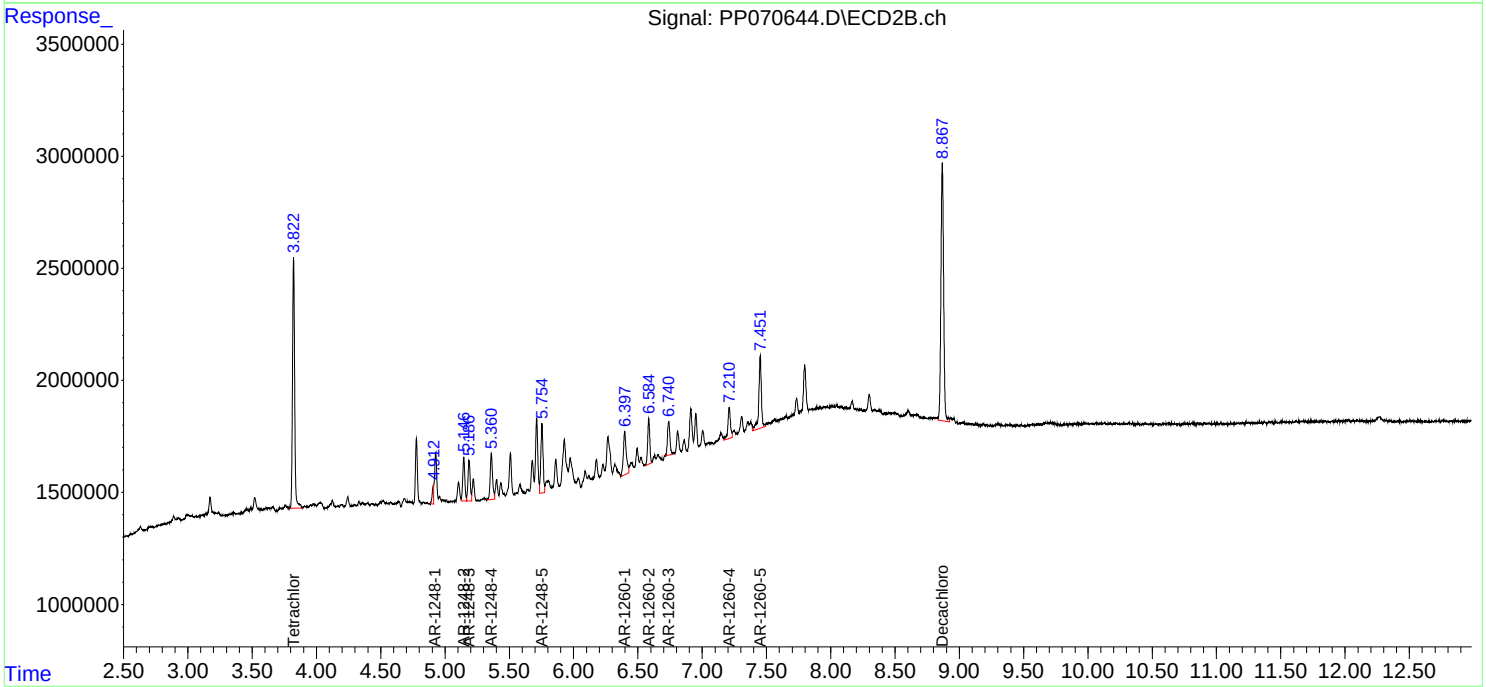
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

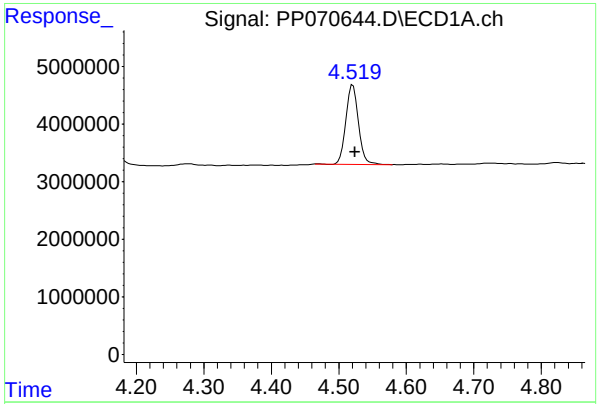
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





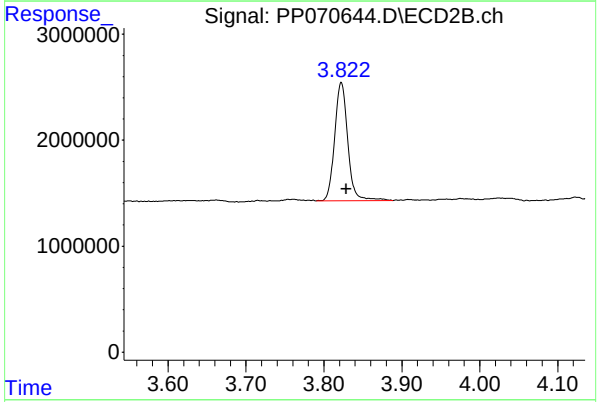

#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 17920255
Conc: 11.52 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

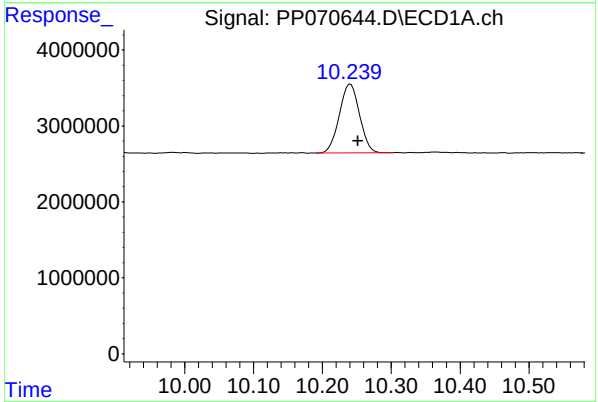
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



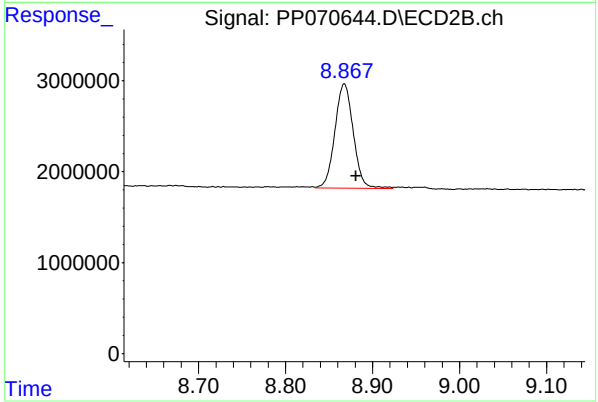

#1 Tetrachloro-m-xylene

R.T.: 3.822 min
Delta R.T.: -0.006 min
Response: 13142074
Conc: 13.11 ng/ml



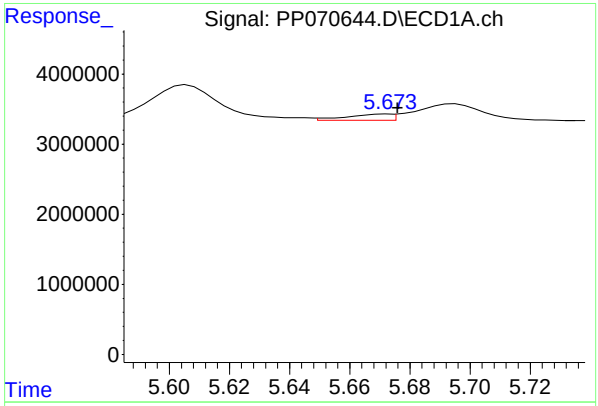

#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 18453274
Conc: 17.37 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.014 min
Response: 16800214
Conc: 17.17 ng/ml



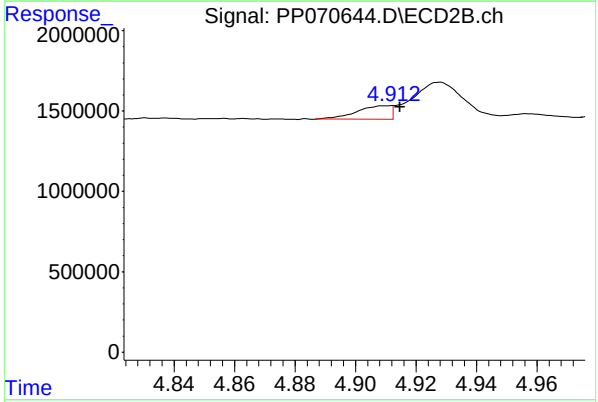

#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.003 mi
Response: 1095092
Conc: 32.06 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

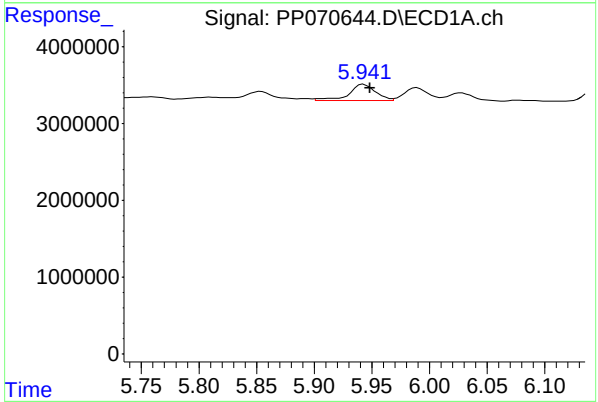
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



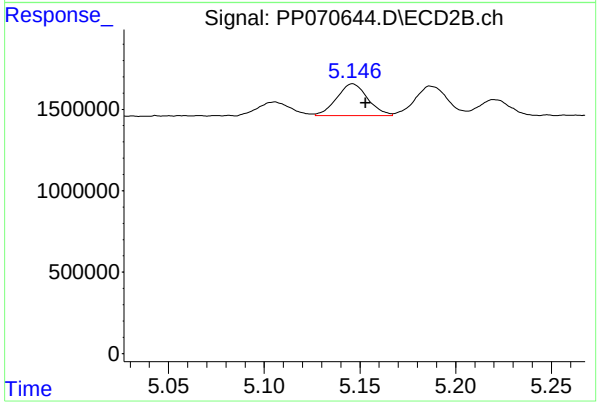

#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 649289
Conc: 27.66 ng/ml m



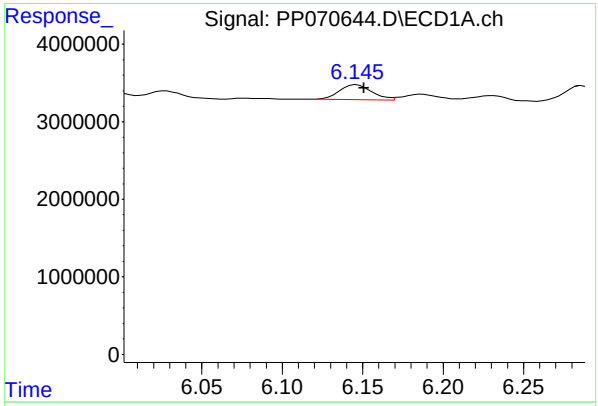

#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 3418082
Conc: 80.53 ng/ml




#22 AR-1248-2

R.T.: 5.146 min
Delta R.T.: -0.007 min
Response: 2196609
Conc: 70.17 ng/ml



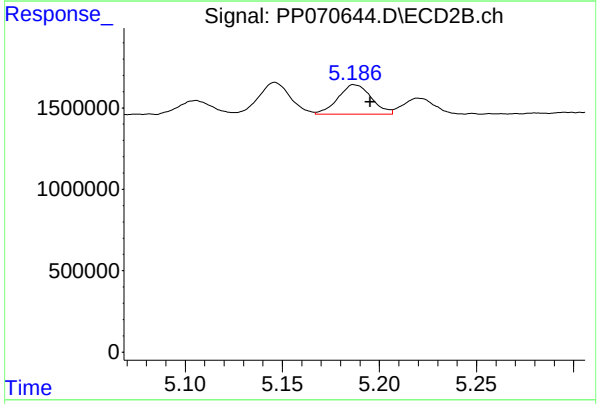

#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.005 mi
Response: 2727393
Conc: 59.10 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

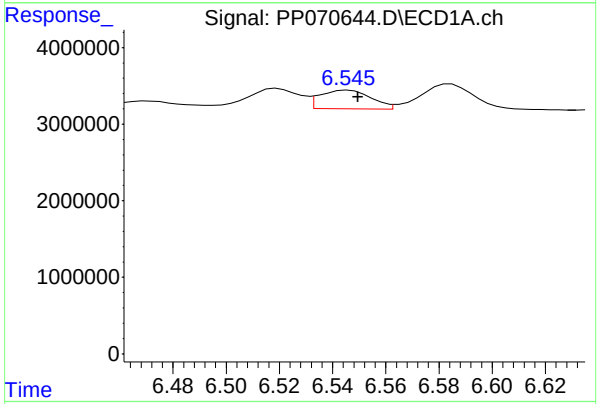
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



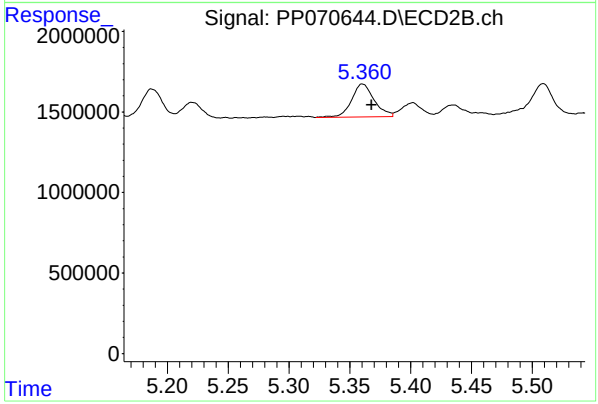

#23 AR-1248-3

R.T.: 5.187 min
Delta R.T.: -0.008 min
Response: 2163586
Conc: 68.21 ng/ml



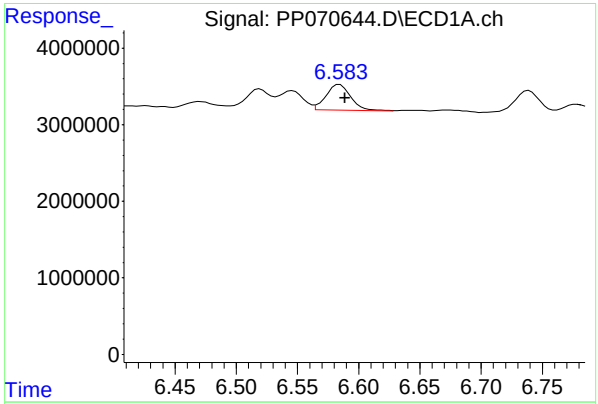

#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.005 min
Response: 3195668
Conc: 55.11 ng/ml m




#24 AR-1248-4

R.T.: 5.360 min
Delta R.T.: -0.008 min
Response: 2654226
Conc: 68.10 ng/ml



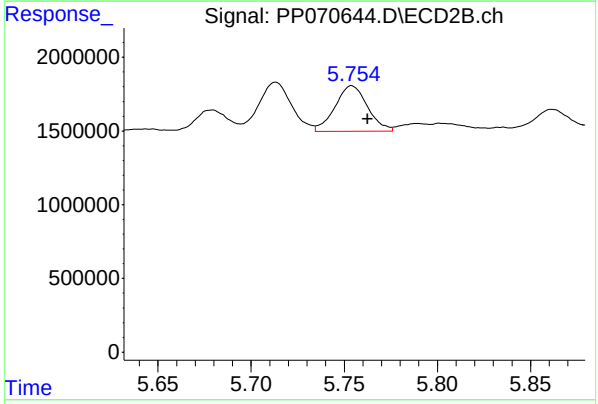

#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: -0.006 min
Response: 4652319
Conc: 86.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

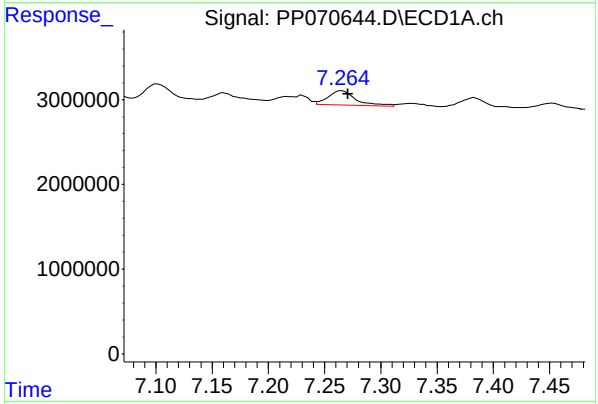
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



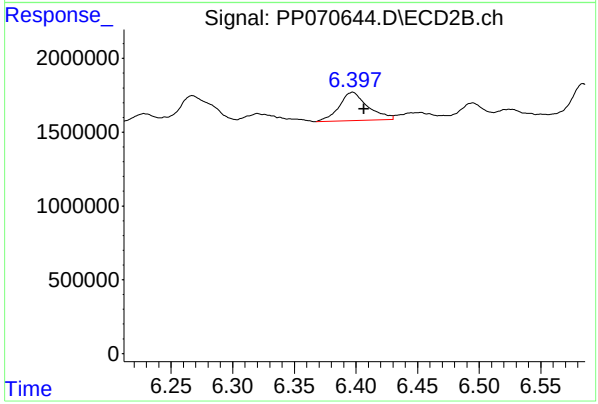

#25 AR-1248-5

R.T.: 5.754 min
Delta R.T.: -0.008 min
Response: 3749122
Conc: 98.44 ng/ml



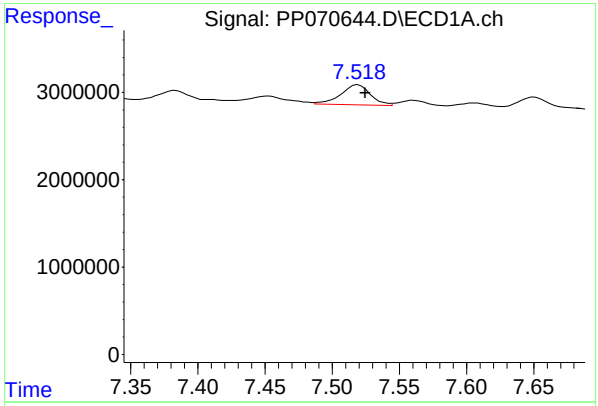

#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 min
Response: 2921970
Conc: 49.75 ng/ml




#31 AR-1260-1

R.T.: 6.397 min
Delta R.T.: -0.009 min
Response: 3105834
Conc: 62.39 ng/ml



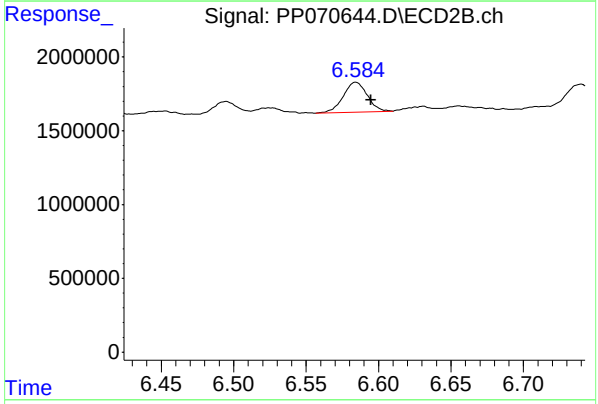

#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 3497187
Conc: 42.63 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

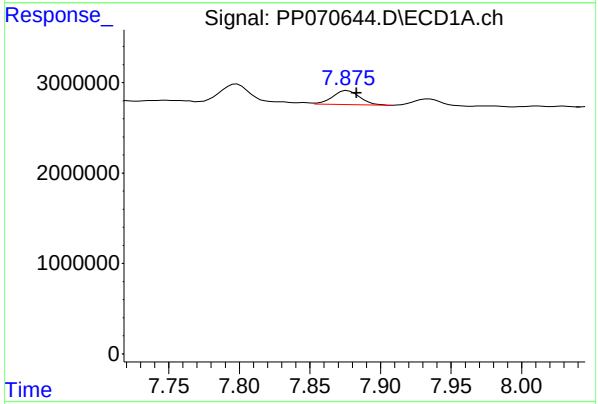
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



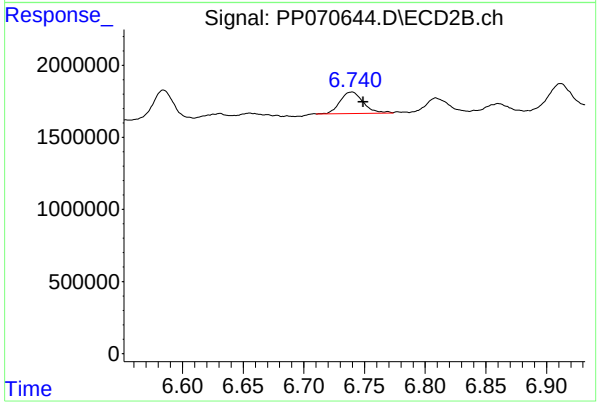

#32 AR-1260-2

R.T.: 6.584 min
Delta R.T.: -0.011 min
Response: 2333431
Conc: 35.31 ng/ml



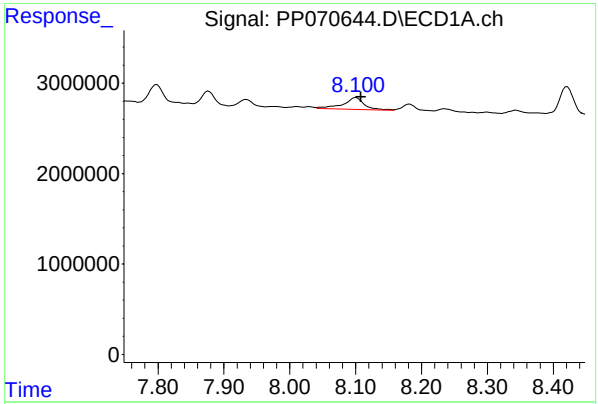

#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.007 min
Response: 2031265
Conc: 30.89 ng/ml




#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 1963124
Conc: 34.32 ng/ml



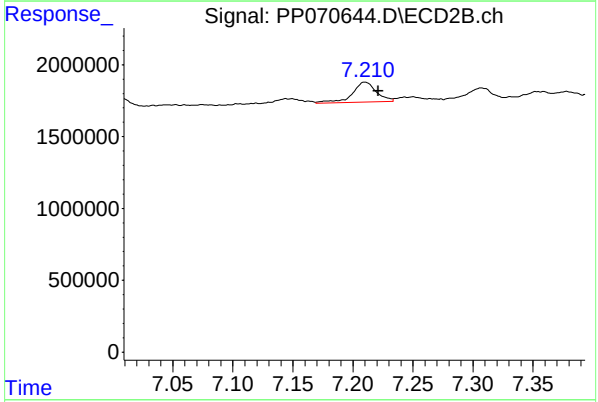

#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 2997180
Conc: 45.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC6

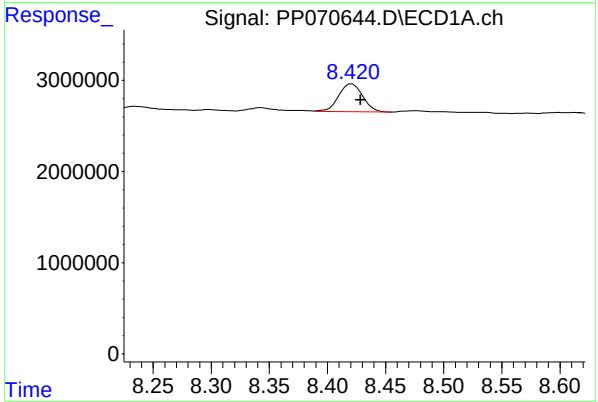
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



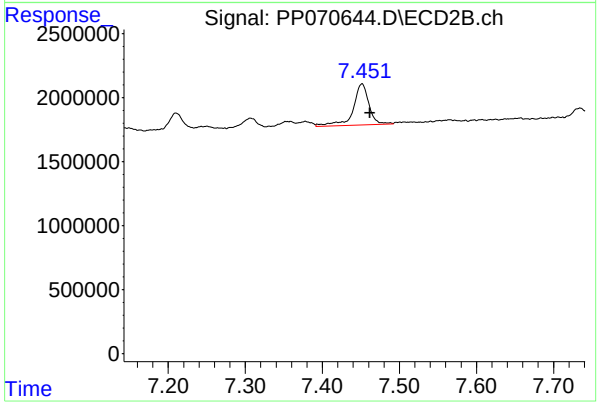

#34 AR-1260-4

R.T.: 7.210 min
Delta R.T.: -0.011 min
Response: 1947222
Conc: 38.06 ng/ml




#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.007 min
Response: 4423252
Conc: 32.36 ng/ml




#35 AR-1260-5

R.T.: 7.451 min
Delta R.T.: -0.010 min
Response: 4563471
Conc: 35.43 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC8 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-04 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 59.2 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070611.D | 1 | 03/17/25 08:35 | 03/17/25 20:30 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 28.7 | U | 6.70 | 28.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 28.7 | U | 6.80 | 28.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 28.7 | U | 6.30 | 28.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 28.7 | U | 6.80 | 28.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 153 | | 10.0 | 28.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 28.7 | U | 5.40 | 28.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 28.7 | U | 8.50 | 28.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 28.7 | U | 6.10 | 28.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 35.9 | | 5.40 | 28.7 | ug/kg |
| Total PCBs | Total PCBs | 188 | | 15.4 | 28.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.7 | | 32 - 144 | 89% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.11 | | 32 - 175 | 36% | 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\PP031725\
Data File : PP070611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:30
Operator : YP\AJ
Sample : Q1573-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.519 | 3.824 | 24457767 | 17751652 | 15.725 | 17.711 | |
| 2) | SA Decachlor... | 10.239 | 8.870 | 7223905 | 6959179 | 6.800 | 7.113 | |
| | Target Compounds | | | | | | | |
| 21) | L5 AR-1248-1 | 5.673 | 4.914 | 2914624 | 1987170 | 85.333m | 84.649m | |
| 22) | L5 AR-1248-2 | 5.942 | 5.148 | 12097899 | 9349520 | 285.010 | 298.674 | |
| 23) | L5 AR-1248-3 | 6.145 | 5.190 | 11697863 | 9793672 | 253.482 | 308.739 | |
| 24) | L5 AR-1248-4 | 6.543 | 5.363 | 13236621 | 10932184 | 228.252 | 280.505 | |
| 25) | L5 AR-1248-5 | 6.582 | 5.757 | 21239414 | 14659070 | 395.613 | 384.887 | |
| 31) | L7 AR-1260-1 | 7.264 | 6.400 | 4408642 | 6412553 | 75.056 | 128.807 | # |
| 32) | L7 AR-1260-2 | 7.516 | 6.587 | 5832082 | 3412484 | 71.086 | 51.636 | # |
| 33) | L7 AR-1260-3 | 7.875 | 6.741 | 2565705 | 3390772 | 39.018 | 59.282 | # |
| 34) | L7 AR-1260-4 | 8.099 | 7.213 | 3675131 | 2277647 | 56.244 | 44.517 | |
| 35) | L7 AR-1260-5 | 8.420 | 7.454 | 4756016 | 4559948 | 34.797 | 35.407 | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:30
Operator : YP\AJ
Sample : Q1573-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

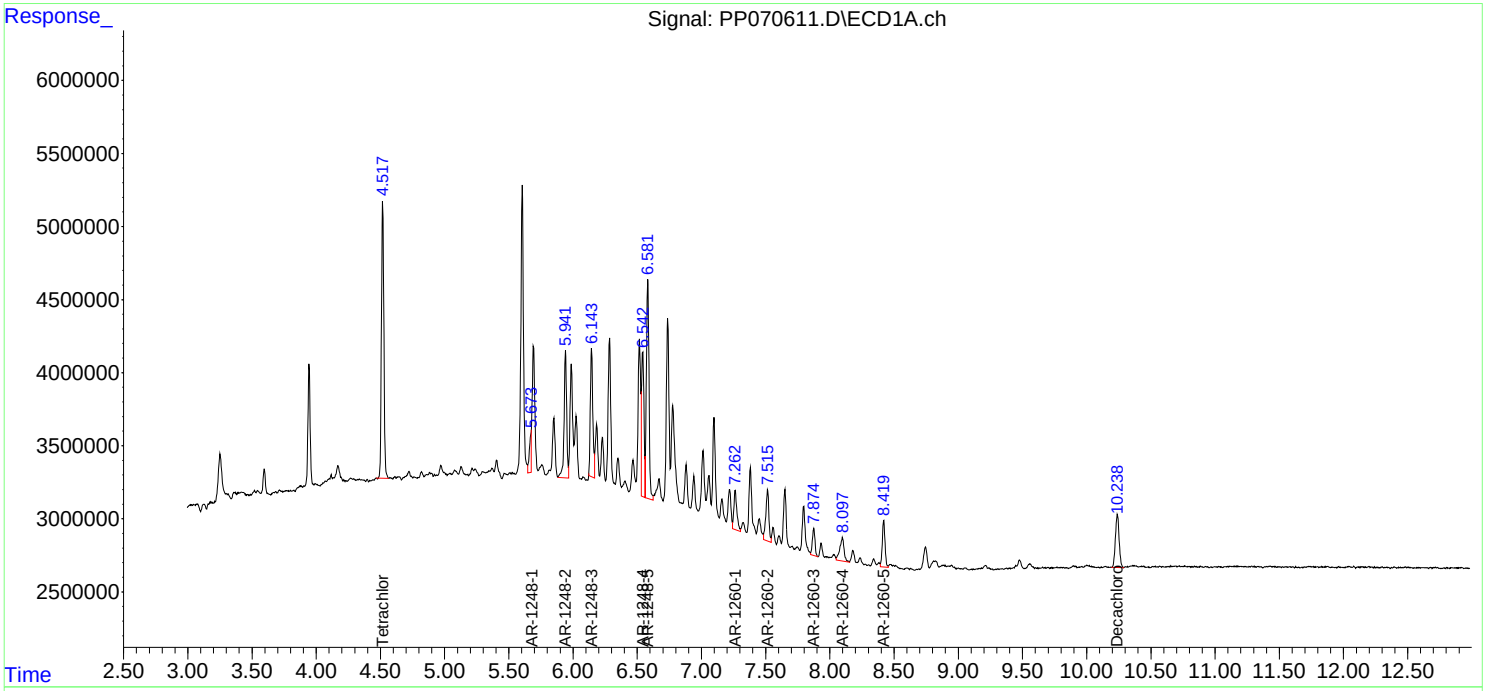
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

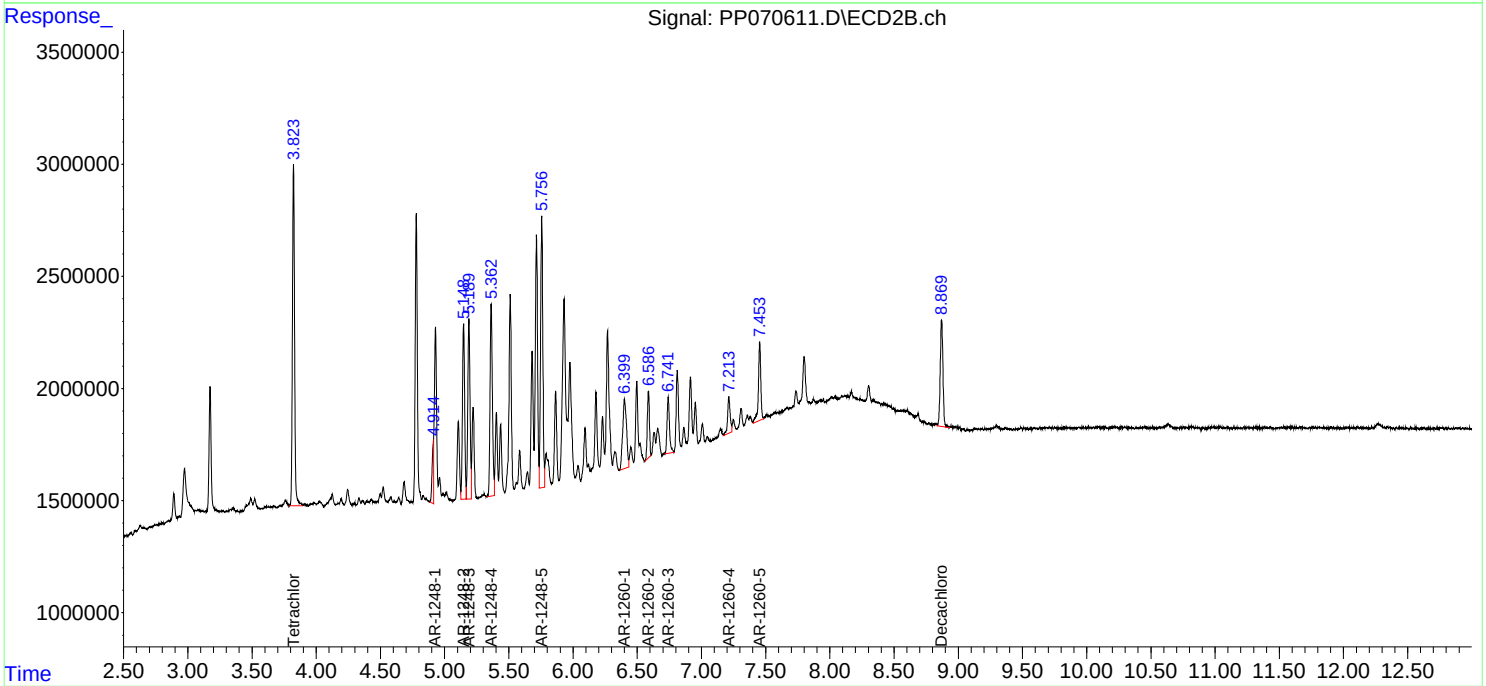
**Manual Integrations APPROVED**

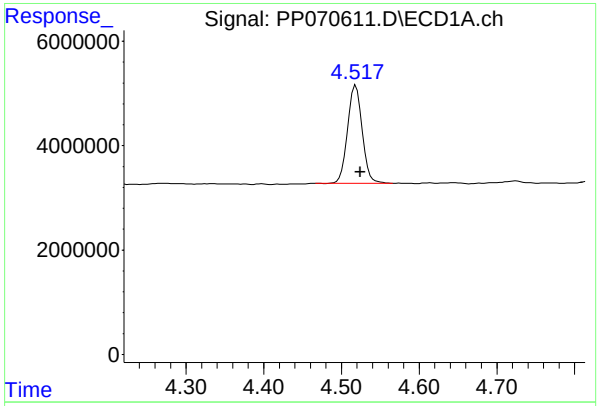
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





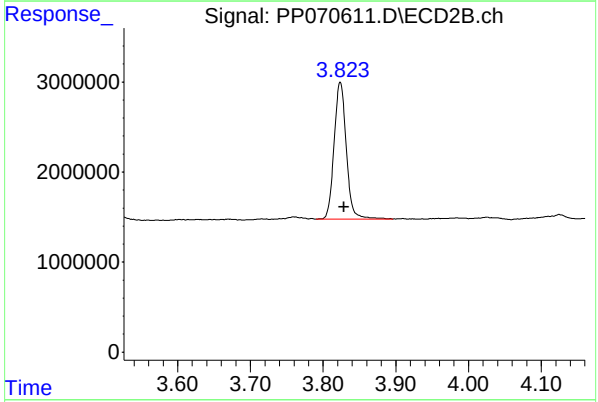

#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 24457767
Conc: 15.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

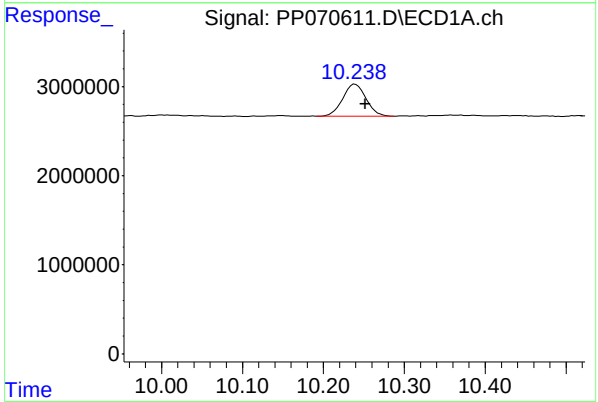
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



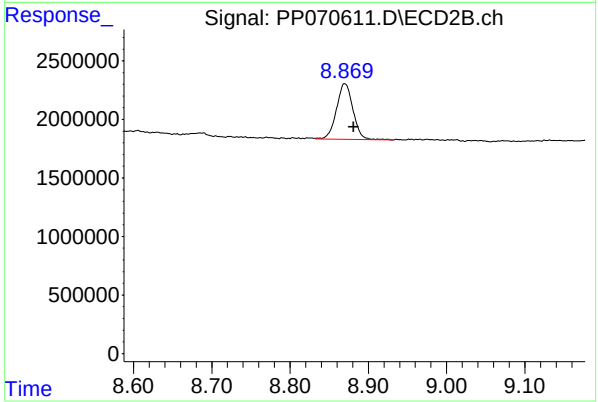

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 17751652
Conc: 17.71 ng/ml



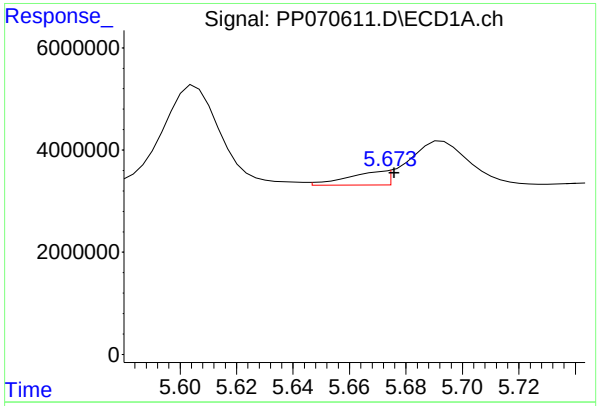

#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 7223905
Conc: 6.80 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 6959179
Conc: 7.11 ng/ml



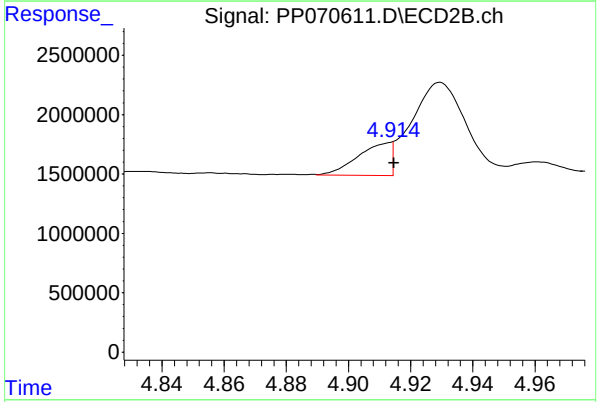

#21 AR-1248-1

R.T.: 5.673 min
Delta R.T.: -0.002 mi
Response: 2914624
Conc: 85.33 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

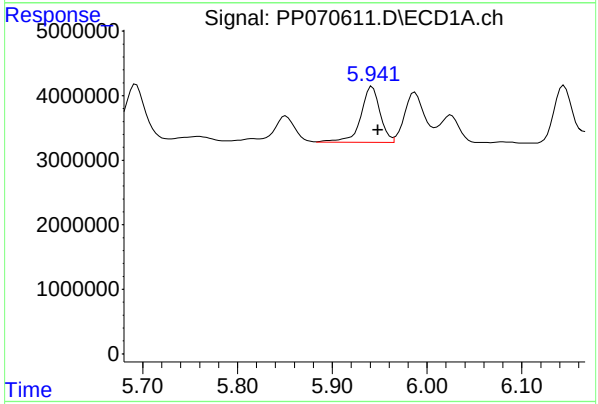
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



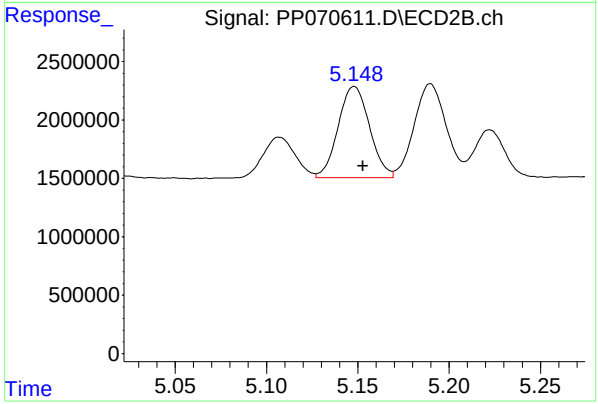

#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: -0.001 min
Response: 1987170
Conc: 84.65 ng/ml m



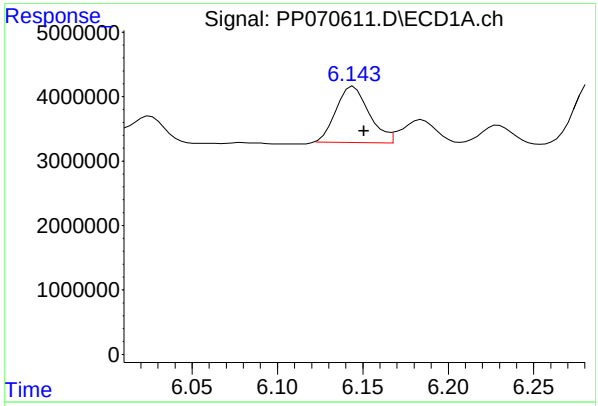

#22 AR-1248-2

R.T.: 5.942 min
Delta R.T.: -0.006 min
Response: 12097899
Conc: 285.01 ng/ml




#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 9349520
Conc: 298.67 ng/ml



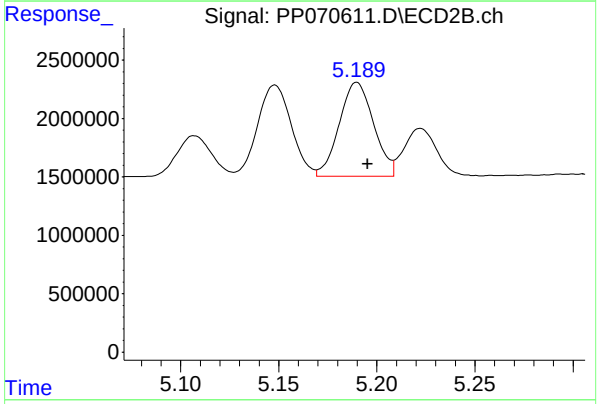

#23 AR-1248-3

R.T.: 6.145 min
Delta R.T.: -0.006 min
Response: 11697863
Conc: 253.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

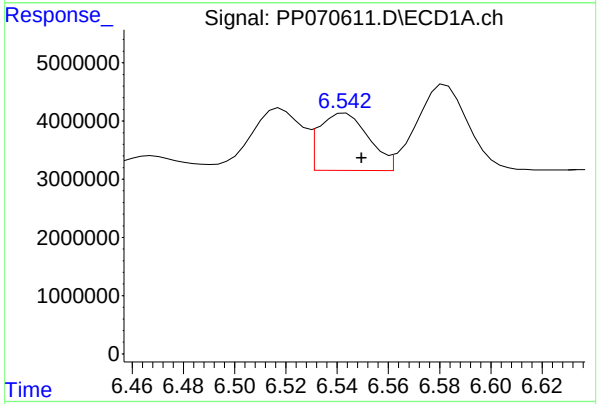
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



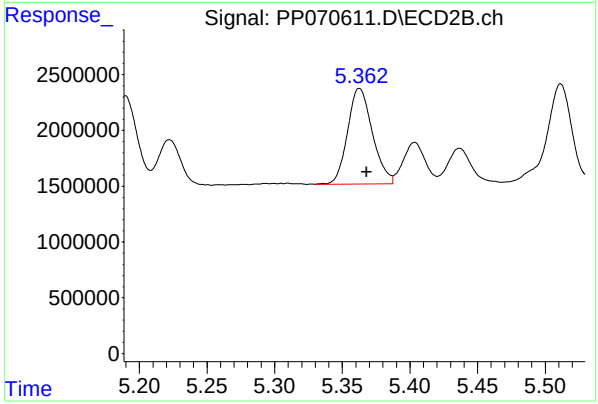

#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 9793672
Conc: 308.74 ng/ml



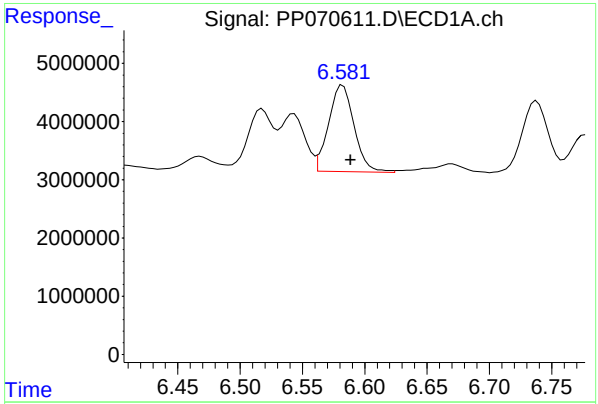

#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: -0.006 min
Response: 13236621
Conc: 228.25 ng/ml




#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 10932184
Conc: 280.51 ng/ml



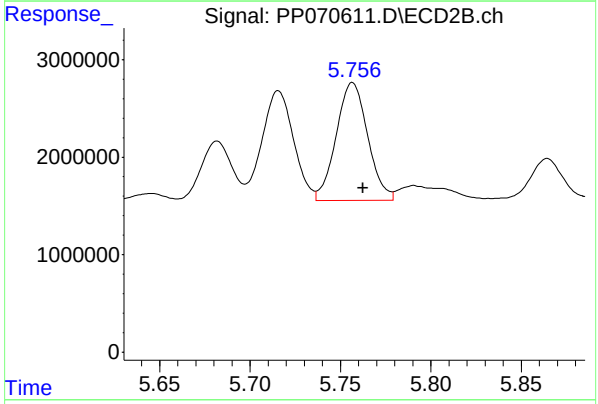

#25 AR-1248-5

R.T.: 6.582 min
Delta R.T.: -0.006 min
Response: 21239414
Conc: 395.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

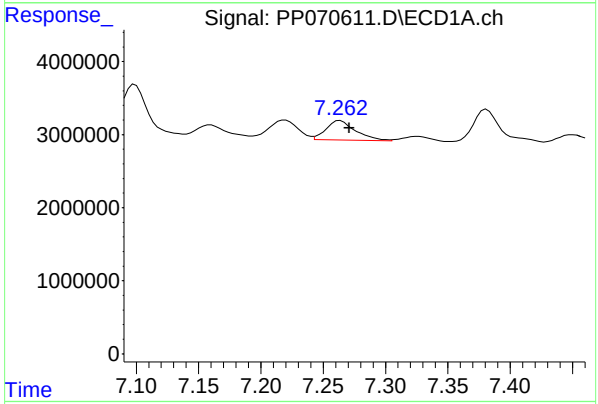
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



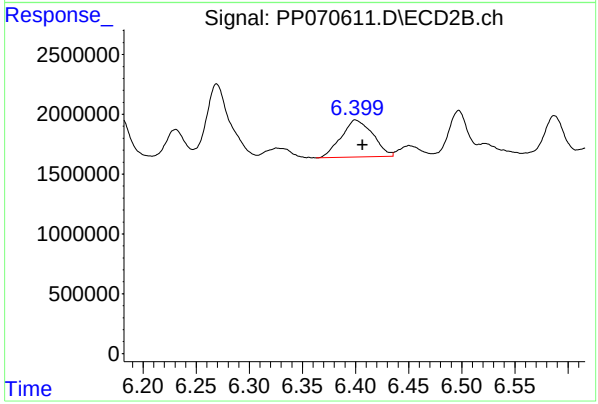

#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 14659070
Conc: 384.89 ng/ml



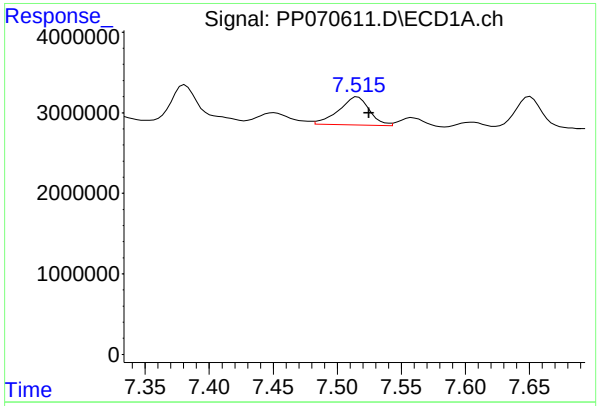

#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 4408642
Conc: 75.06 ng/ml




#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 6412553
Conc: 128.81 ng/ml



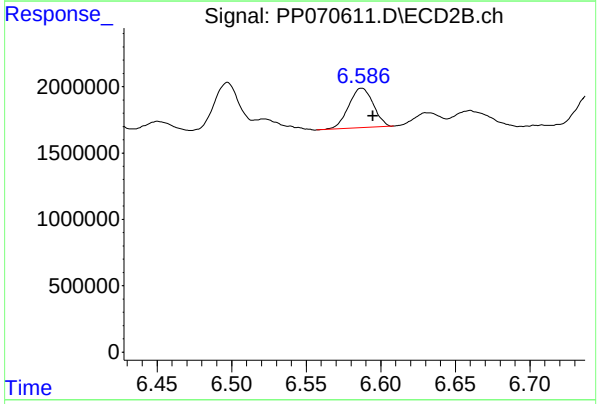

#32 AR-1260-2

R.T.: 7.516 min
Delta R.T.: -0.009 min
Response: 5832082
Conc: 71.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

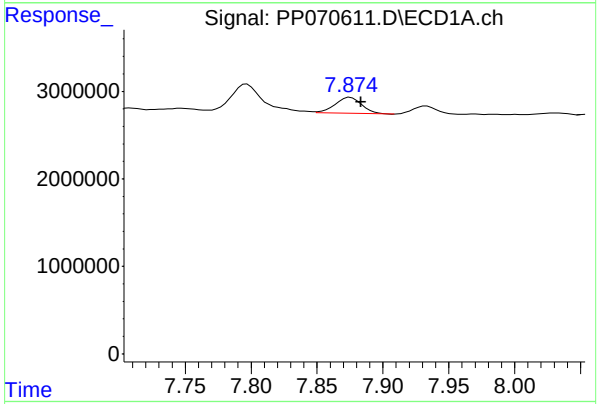
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



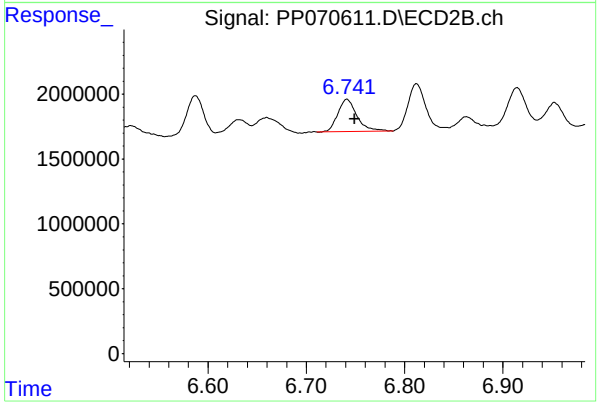

#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 3412484
Conc: 51.64 ng/ml



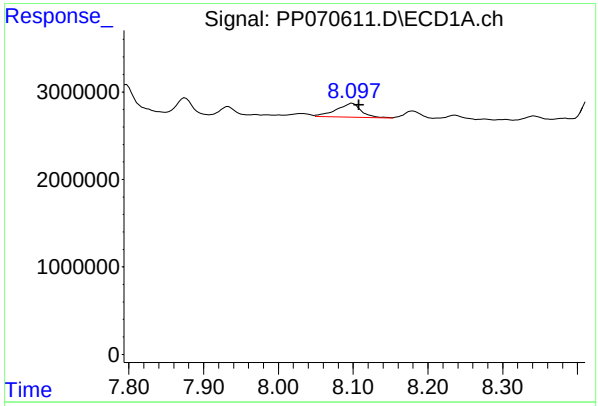

#33 AR-1260-3

R.T.: 7.875 min
Delta R.T.: -0.008 min
Response: 2565705
Conc: 39.02 ng/ml




#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 3390772
Conc: 59.28 ng/ml



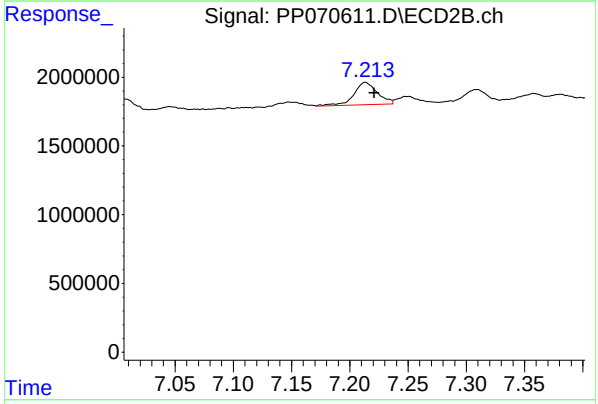

#34 AR-1260-4

R.T.: 8.099 min
Delta R.T.: -0.009 min
Response: 3675131
Conc: 56.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC8

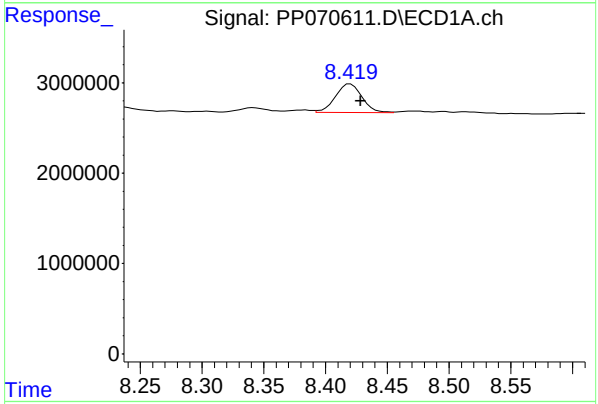
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



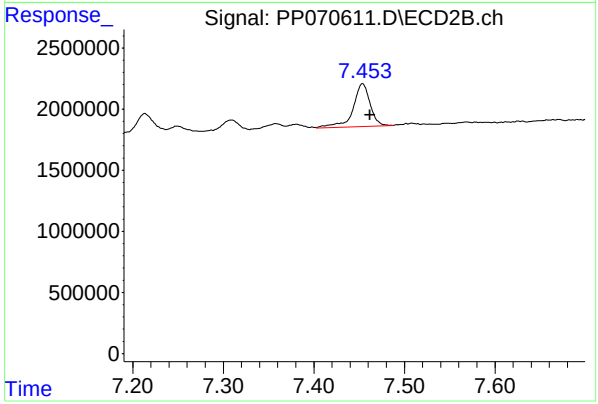

#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 2277647
Conc: 44.52 ng/ml




#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.008 min
Response: 4756016
Conc: 34.80 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 4559948
Conc: 35.41 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O29 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-05 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 55.8 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070612.D | 1 | 03/17/25 08:35 | 03/17/25 20:47 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 30.4 | U | 7.10 | 30.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 30.4 | U | 7.20 | 30.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 30.4 | U | 6.70 | 30.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 30.4 | U | 7.20 | 30.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 30.4 | U | 10.6 | 30.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 30.4 | U | 5.70 | 30.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 30.4 | U | 9.00 | 30.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 30.4 | U | 6.40 | 30.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 59.9 | | 5.80 | 30.4 | ug/kg |
| Total PCBs | Total PCBs | 59.9 | | 5.80 | 30.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 32 - 144 | 101% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 12.1 | | 32 - 175 | 60% | 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\PP031725\
Data File : PP070612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:47
Operator : YP\AJ
Sample : Q1573-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 27282044 | 20332755 | 17.540m | 20.286 |
| 2) | SA Decachlor... | 10.243 | 8.870 | 12634324 | 11831143 | 11.893 | 12.093 |
| | Target Compounds | | | | | | |
| 31) | L7 AR-1260-1 | 7.265 | 6.399 | 7167728 | 4972360 | 122.028m | 99.878m |
| 32) | L7 AR-1260-2 | 7.520 | 6.587 | 9025630 | 6203842 | 110.011 | 93.873m |
| 33) | L7 AR-1260-3 | 7.879 | 6.741 | 5453568 | 4841391 | 82.934 | 84.644m |
| 34) | L7 AR-1260-4 | 8.103 | 7.213 | 7120487 | 4518653 | 108.971 | 88.318 |
| 35) | L7 AR-1260-5 | 8.423 | 7.454 | 10696927 | 10533663 | 78.264 | 81.792 |

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

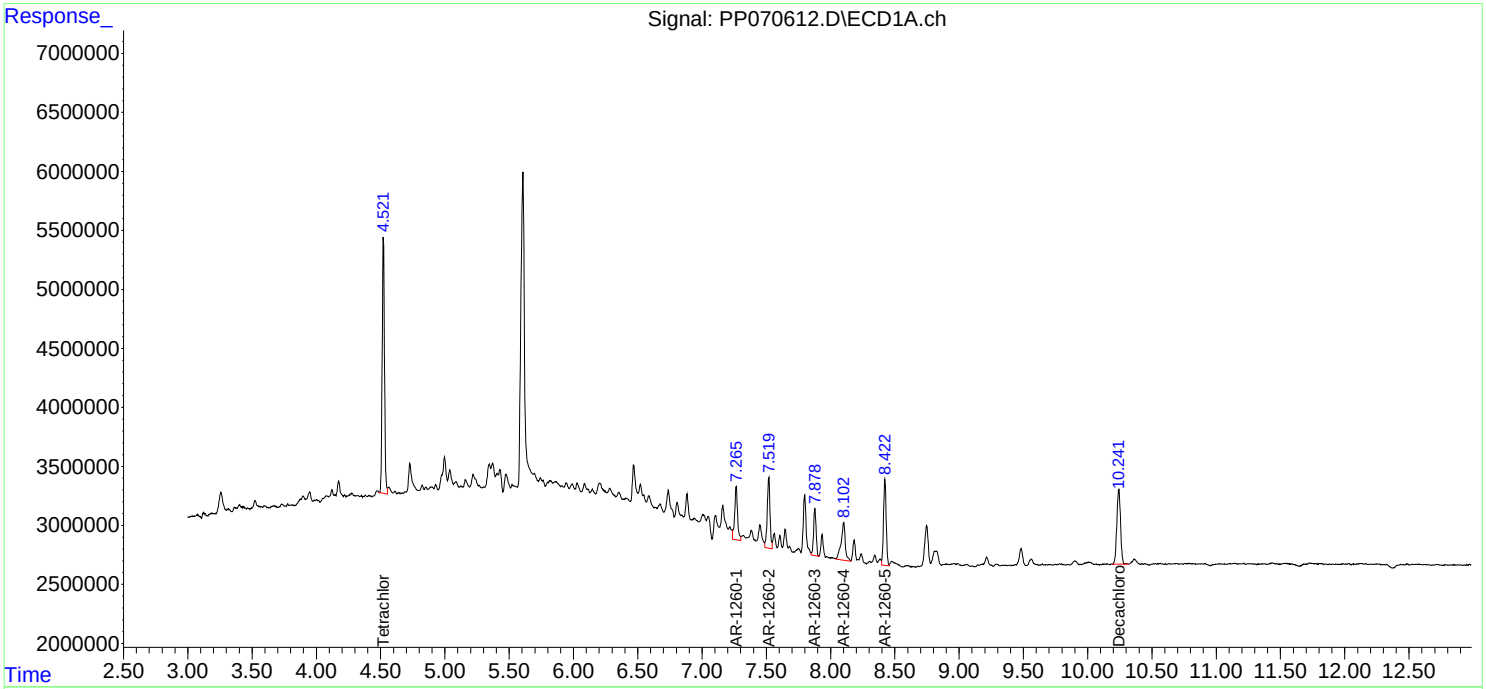
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 20:47
Operator : YP\AJ
Sample : Q1573-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

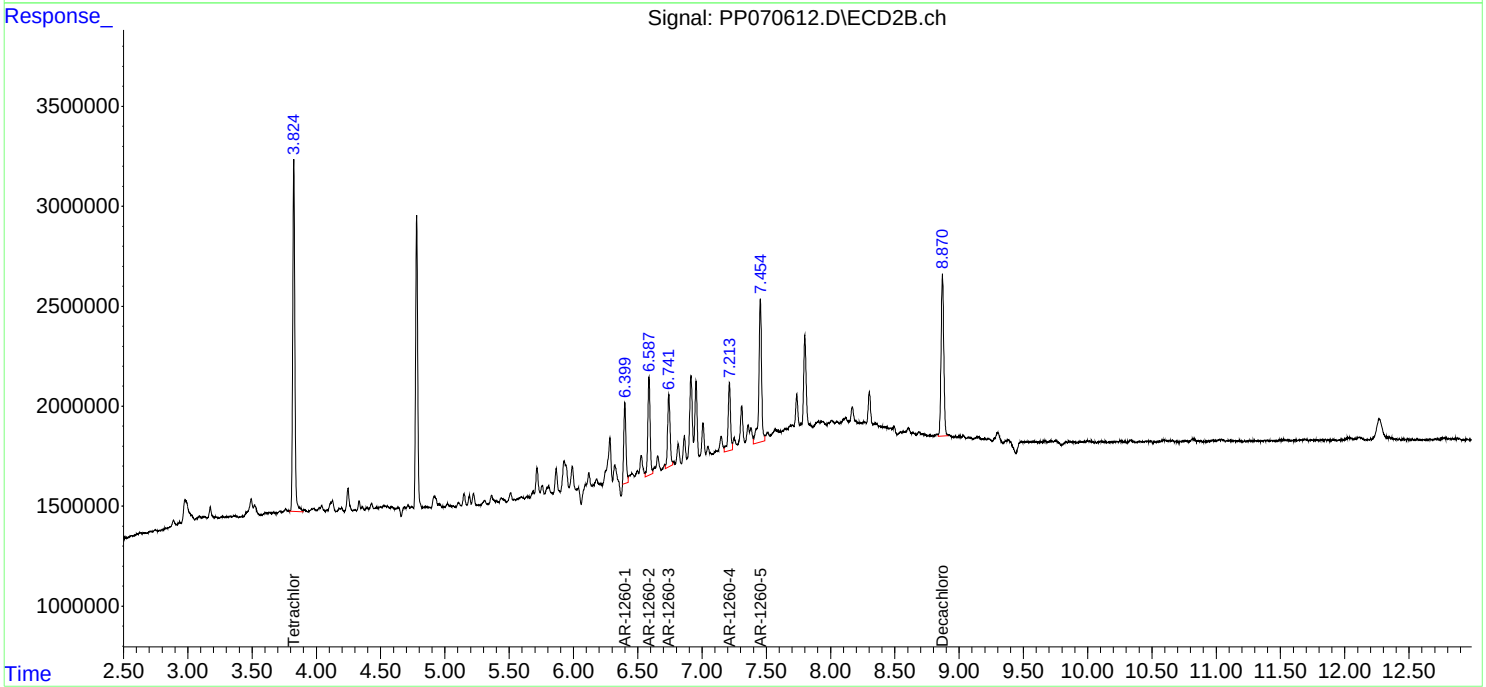
**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

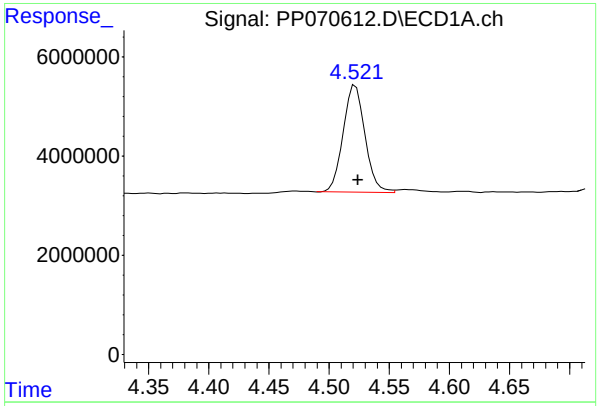
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





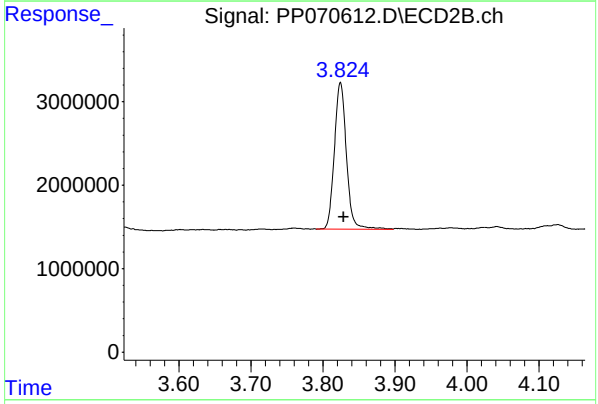

#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 27282044
Conc: 17.54 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

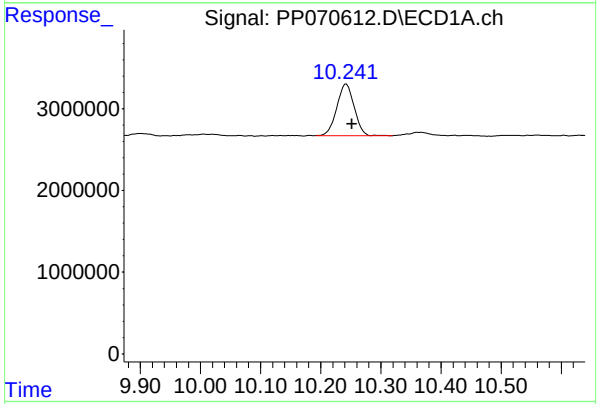
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



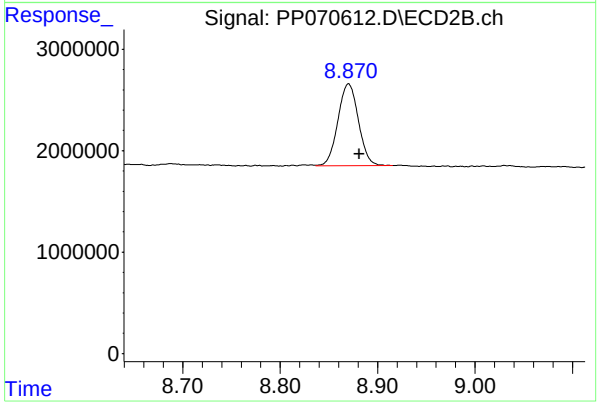

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 20332755
Conc: 20.29 ng/ml



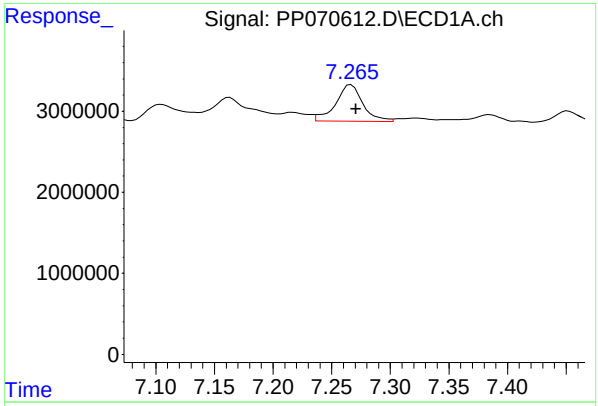

#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 12634324
Conc: 11.89 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 11831143
Conc: 12.09 ng/ml



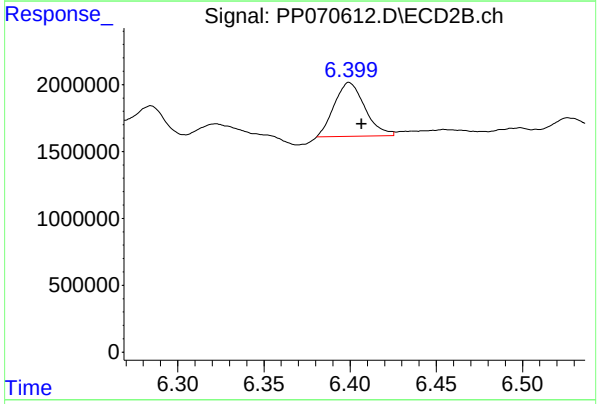

#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 mi
Response: 7167728
Conc: 122.03 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

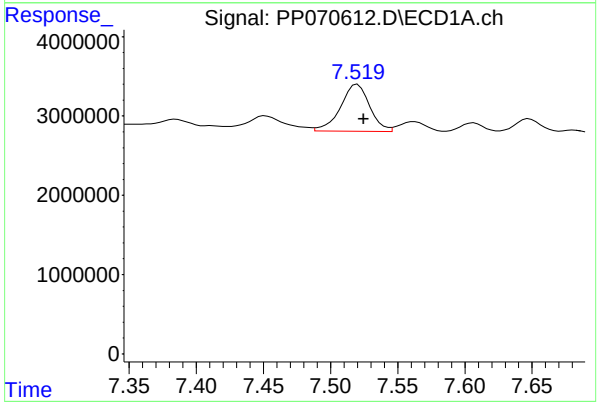
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



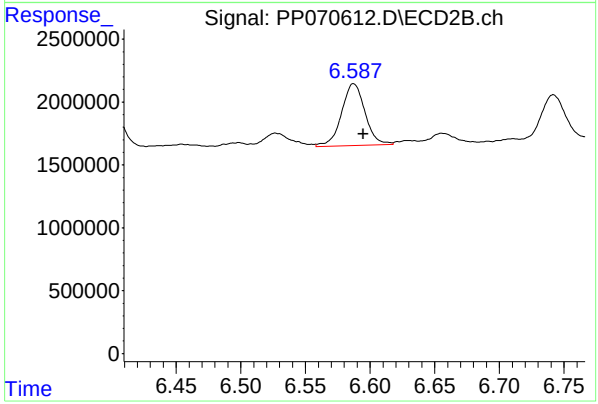

#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 4972360
Conc: 99.88 ng/ml m



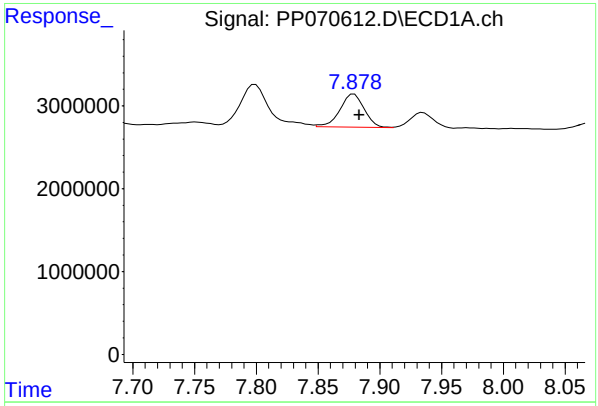

#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.005 min
Response: 9025630
Conc: 110.01 ng/ml




#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 6203842
Conc: 93.87 ng/ml m



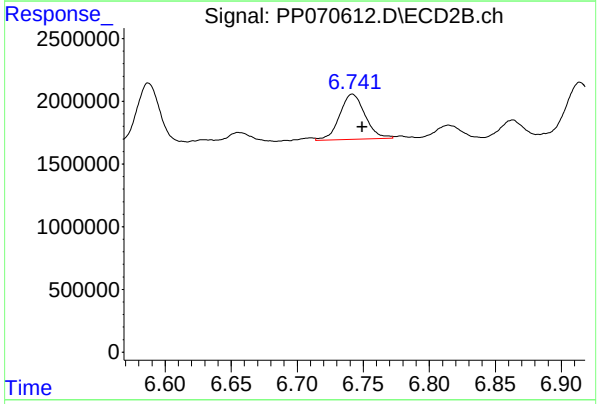

#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 mi
Response: 5453568
Conc: 82.93 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

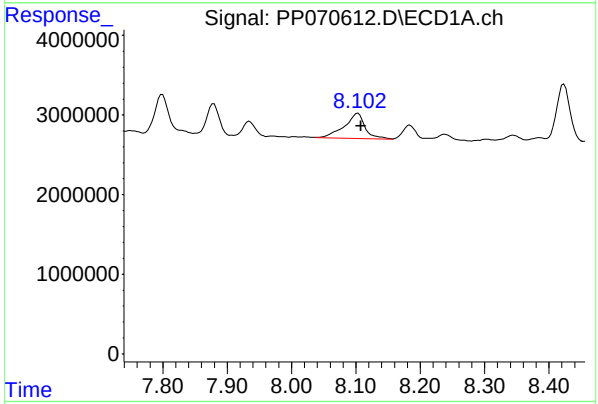
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



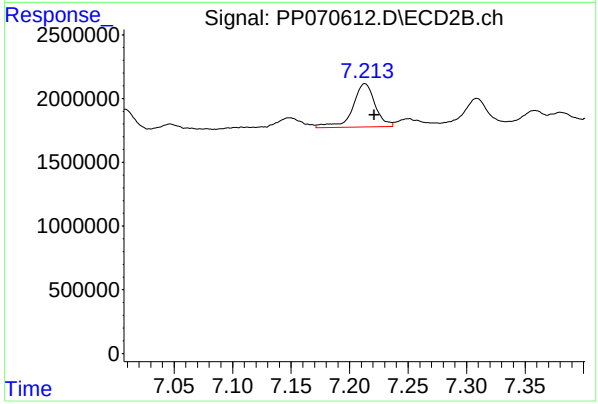

#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 4841391
Conc: 84.64 ng/ml m



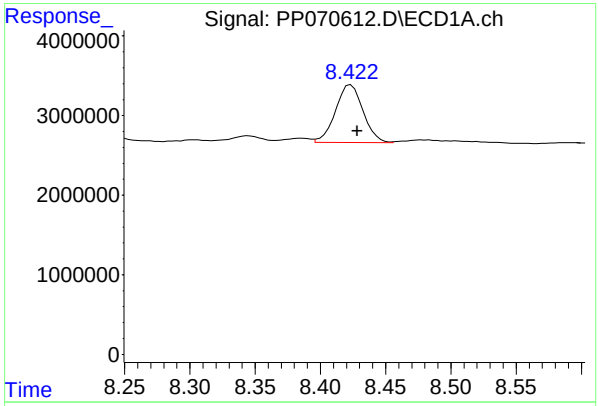

#34 AR-1260-4

R.T.: 8.103 min
Delta R.T.: -0.005 min
Response: 7120487
Conc: 108.97 ng/ml




#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 4518653
Conc: 88.32 ng/ml



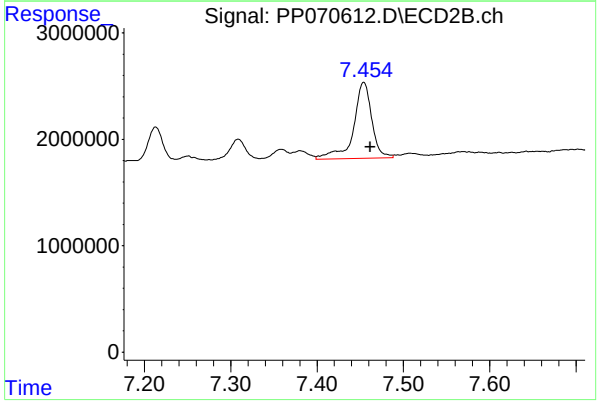

#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 mi
Response: 10696927
Conc: 78.26 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O29

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 10533663
Conc: 81.79 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O30 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-06 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 69.5 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070613.D | 1 | 03/17/25 08:35 | 03/17/25 21:03 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 24.4 | U | 5.70 | 24.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 24.4 | U | 5.80 | 24.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 24.4 | U | 5.30 | 24.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 24.4 | U | 5.80 | 24.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 24.4 | U | 8.50 | 24.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 24.4 | U | 4.60 | 24.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 24.4 | U | 7.20 | 24.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 24.4 | U | 5.20 | 24.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 24.3 | J | 4.60 | 24.4 | ug/kg |
| Total PCBs | Total PCBs | 24.3 | J | 4.60 | 24.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.1 | | 32 - 144 | 100% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 9.33 | | 32 - 175 | 47% | 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\PP031725\
Data File : PP070613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:03
Operator : YP\AJ
Sample : Q1573-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O30

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 27309207 | 20119104 | 17.558 | 20.073 | |
| 2) | SA Decachlor... | 10.241 | 8.870 | 9822848 | 9125043 | 9.246 | 9.327 | |
| | Target Compounds | | | | | | | |
| 31) | L7 AR-1260-1 | 7.266 | 6.399 | 3899175 | 3446045 | 66.382 | 69.219 | |
| 32) | L7 AR-1260-2 | 7.519 | 6.588 | 4256002 | 3501622 | 51.875 | 52.985 | |
| 33) | L7 AR-1260-3 | 7.878 | 6.742 | 2356113 | 2733628 | 35.830 | 47.793 | # |
| 34) | L7 AR-1260-4 | 8.102 | 7.213 | 3119464 | 2150991 | 47.740 | 42.041 | |
| 35) | L7 AR-1260-5 | 8.422 | 7.453 | 4580212 | 5451787 | 33.511 | 42.332 | # |

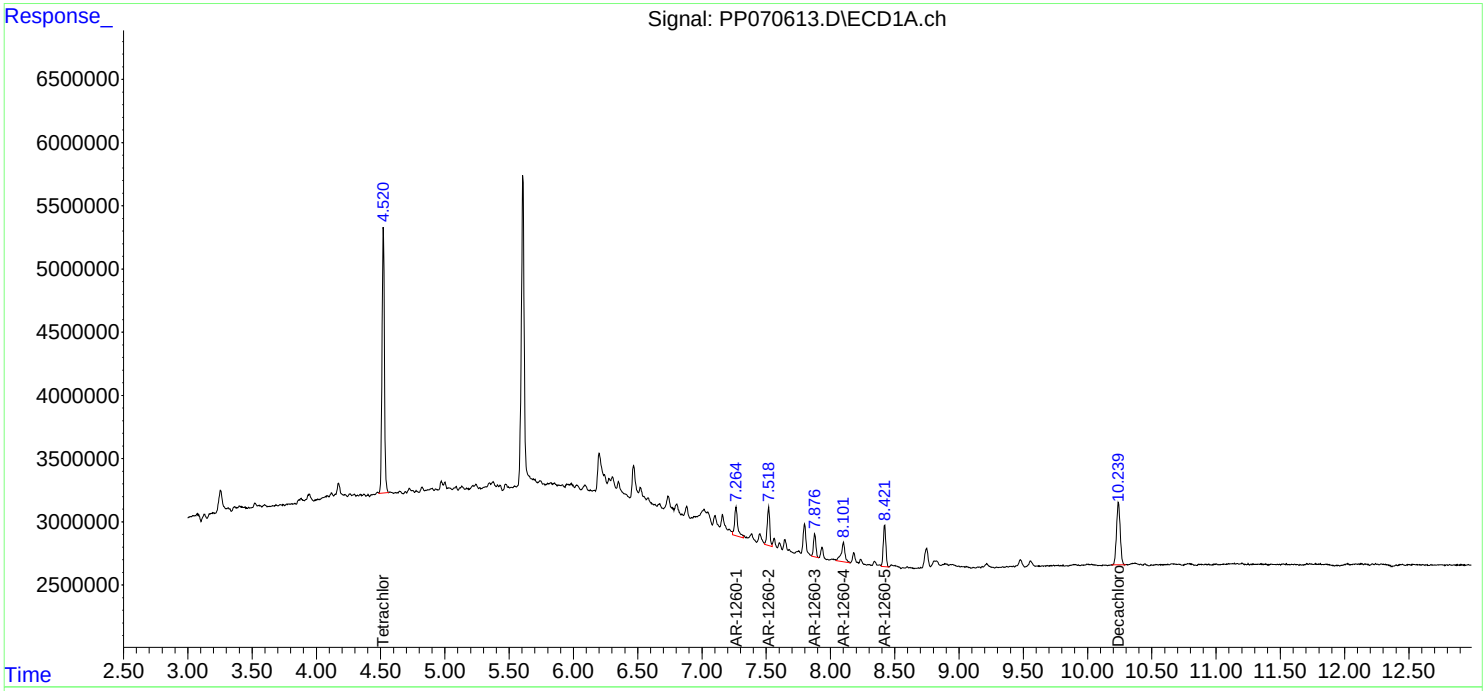
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

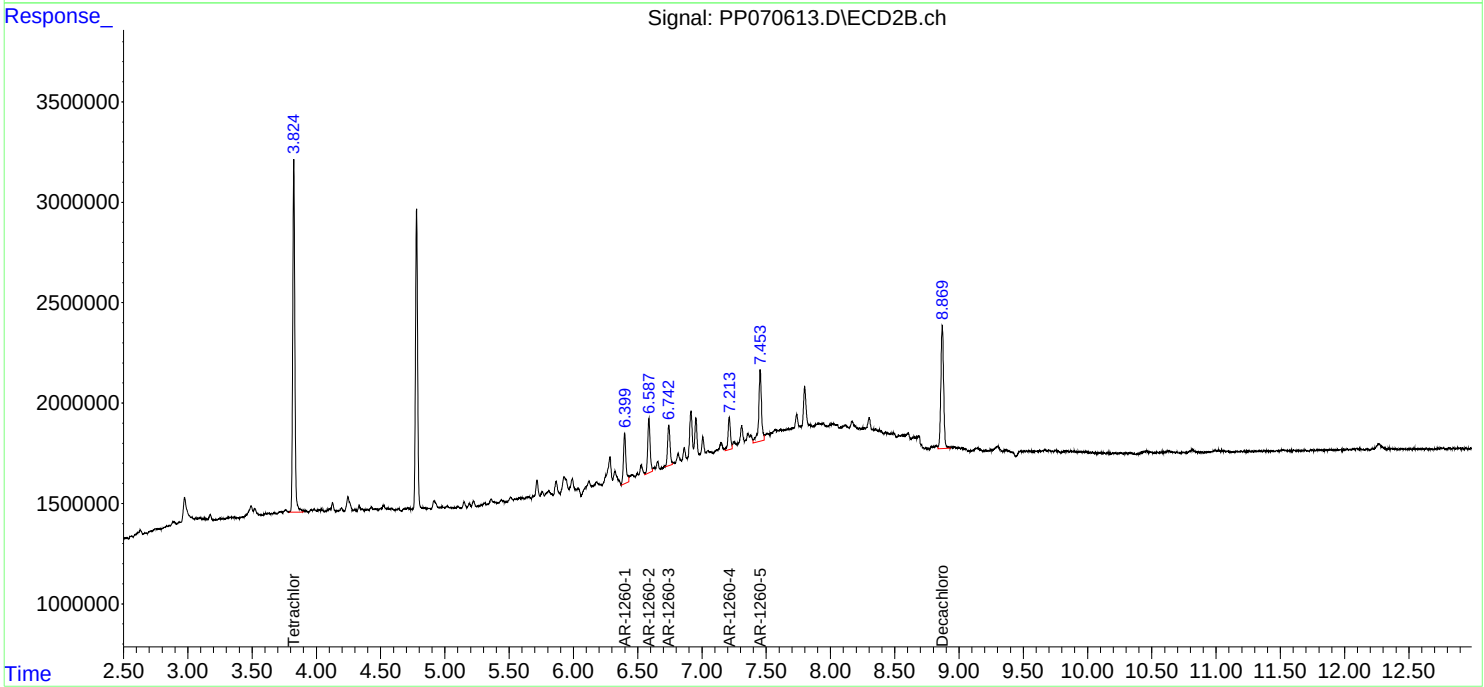
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:03
Operator : YP\AJ
Sample : Q1573-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

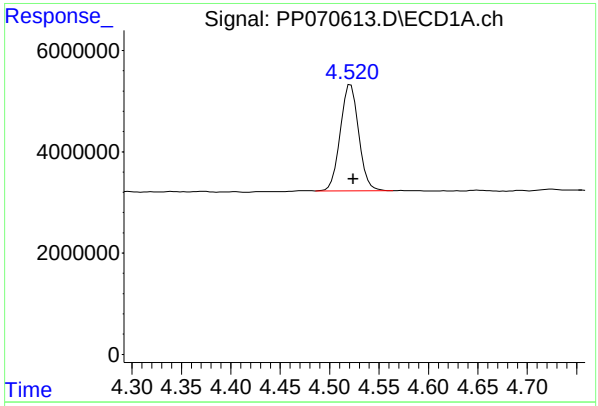
**Instrument :**
ECD_P
**ClientSampleId :**
C0O30

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:45:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



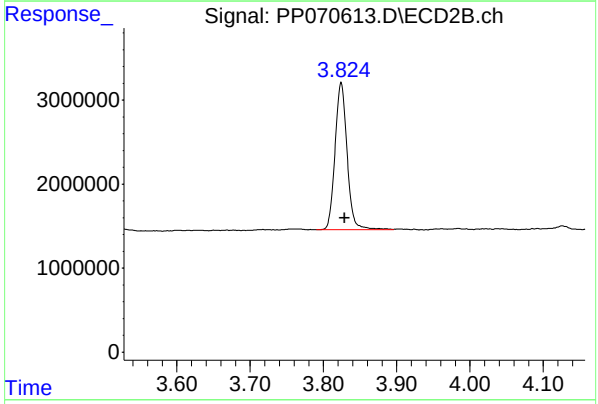






#1 Tetrachloro-m-xylene

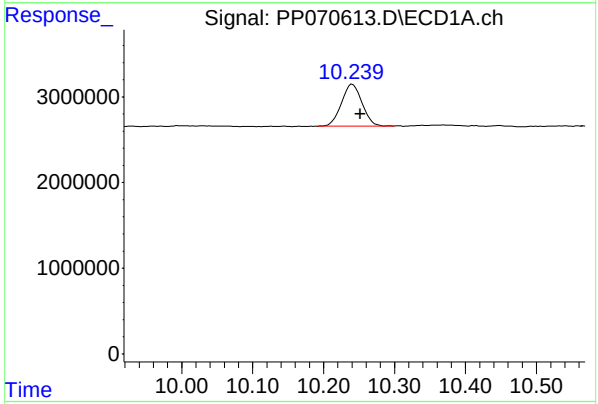
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 27309207
Conc: 17.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O30



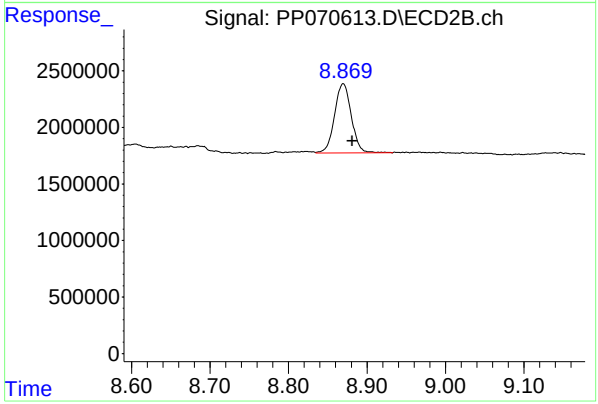

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 20119104
Conc: 20.07 ng/ml



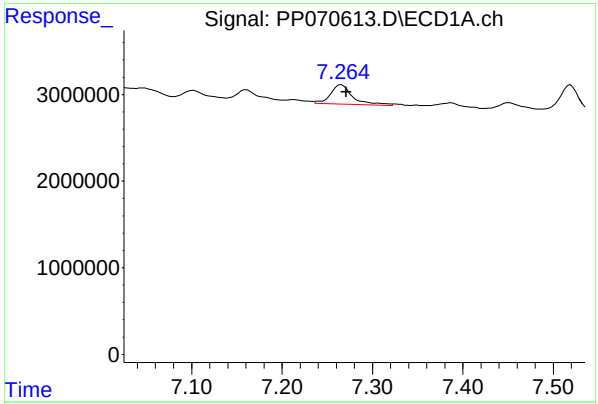

#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 9822848
Conc: 9.25 ng/ml




#2 Decachlorobiphenyl

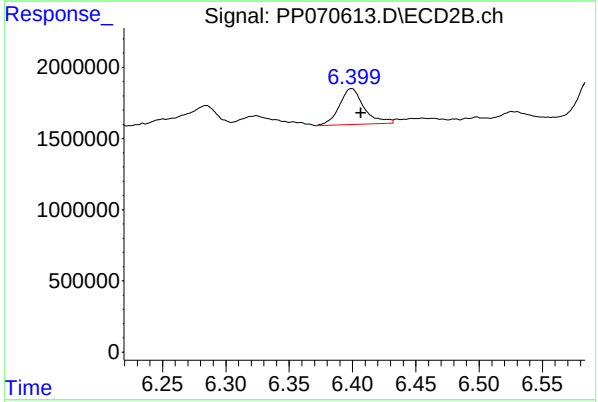
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 9125043
Conc: 9.33 ng/ml




#31 AR-1260-1

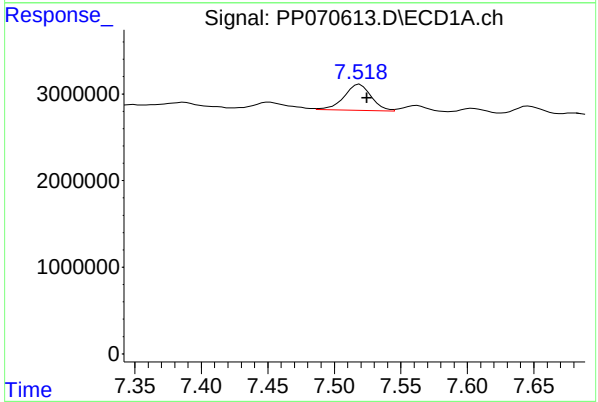
R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 3899175
Conc: 66.38 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O30



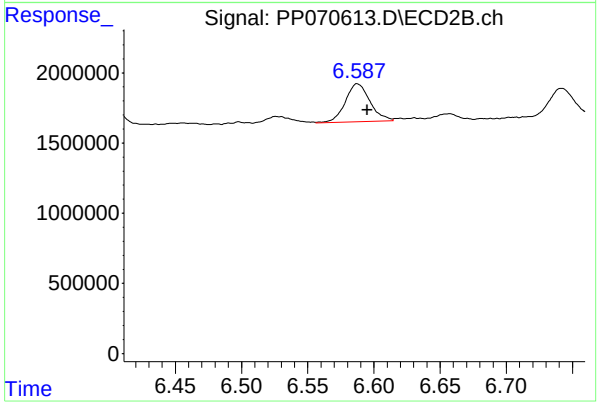

#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 3446045
Conc: 69.22 ng/ml



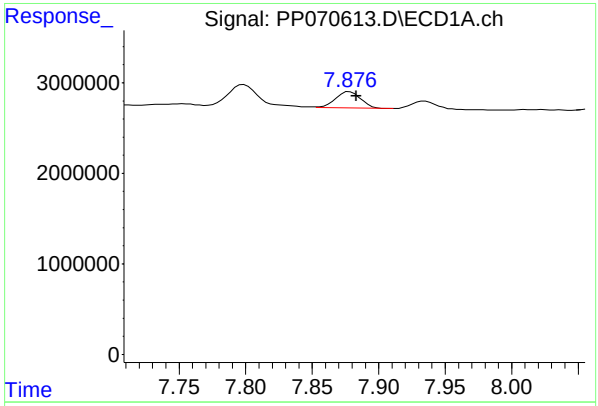

#32 AR-1260-2

R.T.: 7.519 min
Delta R.T.: -0.005 min
Response: 4256002
Conc: 51.88 ng/ml




#32 AR-1260-2

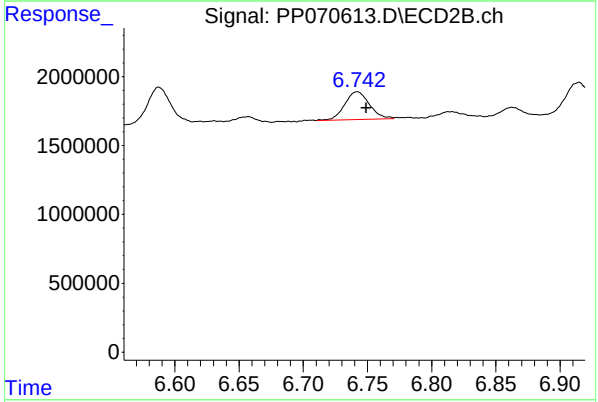
R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 3501622
Conc: 52.98 ng/ml




#33 AR-1260-3

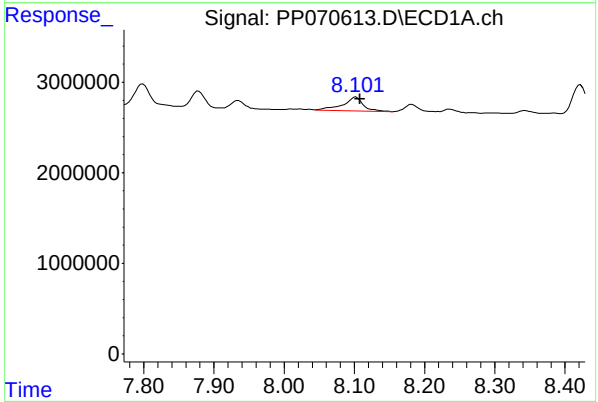
R.T.: 7.878 min
Delta R.T.: -0.005 min
Response: 2356113
Conc: 35.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O30



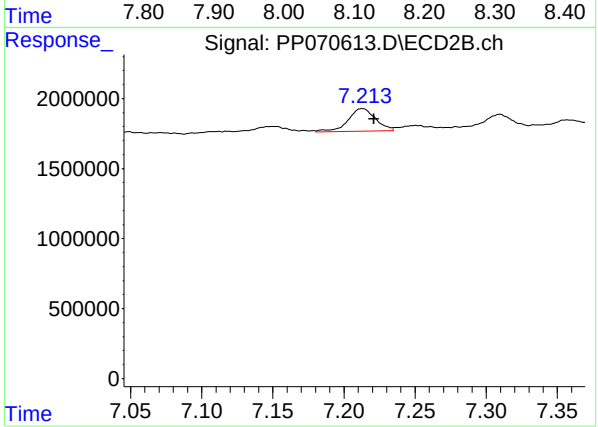

#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 2733628
Conc: 47.79 ng/ml



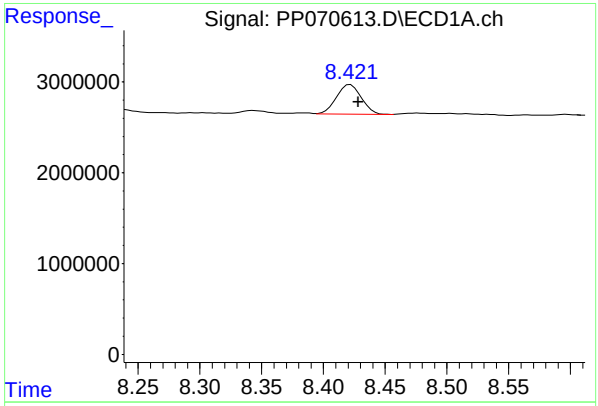

#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 3119464
Conc: 47.74 ng/ml




#34 AR-1260-4

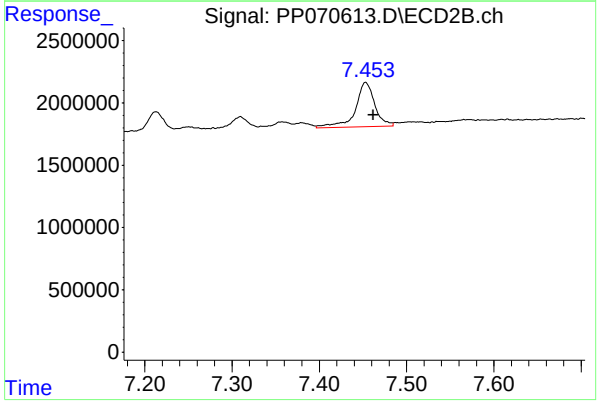
R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 2150991
Conc: 42.04 ng/ml




#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 4580212
Conc: 33.51 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O30




#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 5451787
Conc: 42.33 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O31 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-07 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 67.5 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070614.D | 1 | 03/17/25 08:35 | 03/17/25 21:19 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 25.2 | U | 5.80 | 25.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 25.2 | U | 6.00 | 25.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 25.2 | U | 5.50 | 25.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 25.2 | U | 5.90 | 25.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 338 | | 8.80 | 25.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 25.2 | U | 4.70 | 25.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 25.2 | U | 7.40 | 25.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 25.2 | U | 5.30 | 25.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 97.8 | | 4.80 | 25.2 | ug/kg |
| Total PCBs | Total PCBs | 436 | | 13.6 | 25.2 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.1 | | 32 - 144 | 111% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.9 | | 32 - 175 | 54% | 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\PP031725\
Data File : PP070614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:19
Operator : YP\AJ
Sample : Q1573-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 29908639 | 22159322 | 19.229 | 22.109 |
| 2) | SA Decachlor... | 10.240 | 8.870 | 11033092 | 10662160 | 10.386 | 10.898 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.678 | 4.910 | 12635064 | 7295675 | 369.923m | 310.778m |
| 22) | L5 AR-1248-2 | 5.945 | 5.148 | 34567993 | 25074100 | 814.375 | 801.001 |
| 23) | L5 AR-1248-3 | 6.147 | 5.189 | 35718547 | 23650483 | 773.989 | 745.565 |
| 24) | L5 AR-1248-4 | 6.545 | 5.362 | 38278564 | 30019646 | 660.075 | 770.264 |
| 25) | L5 AR-1248-5 | 6.585 | 5.756 | 43491473 | 29931199 | 810.088 | 785.871 |
| 31) | L7 AR-1260-1 | 7.266 | 6.400 | 12948735 | 17549714 | 220.448 | 352.514 # |
| 32) | L7 AR-1260-2 | 7.518 | 6.587 | 22696079 | 11601832 | 276.636 | 175.553 # |
| 33) | L7 AR-1260-3 | 7.877 | 6.740 | 9608045 | 10892304 | 146.113 | 190.434 # |
| 34) | L7 AR-1260-4 | 8.101 | 7.212 | 11749187 | 7283984 | 179.809 | 142.367 |
| 35) | L7 AR-1260-5 | 8.422 | 7.453 | 18538828 | 16781888 | 135.639 | 130.309 |

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

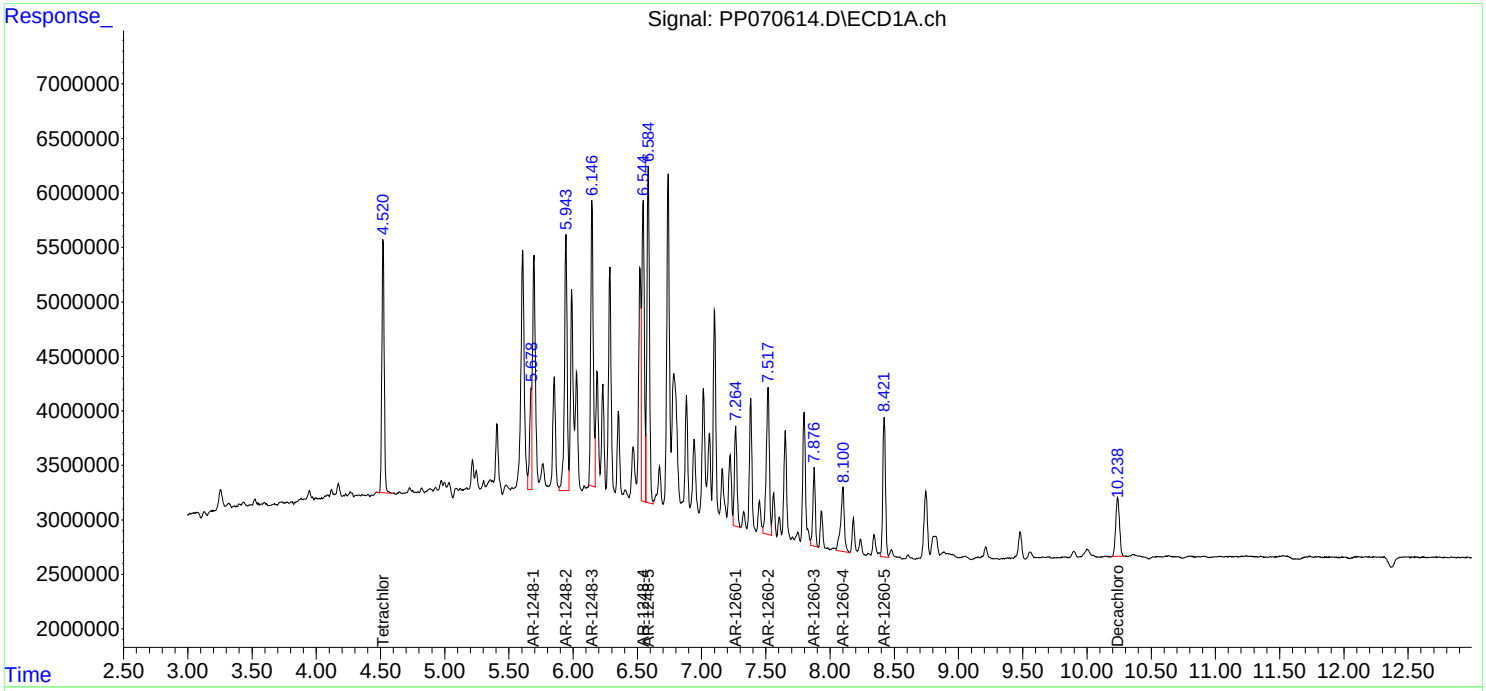
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:19
Operator : YP\AJ
Sample : Q1573-07
Misc :
ALS Vial : 32 Sample Multiplier: 1

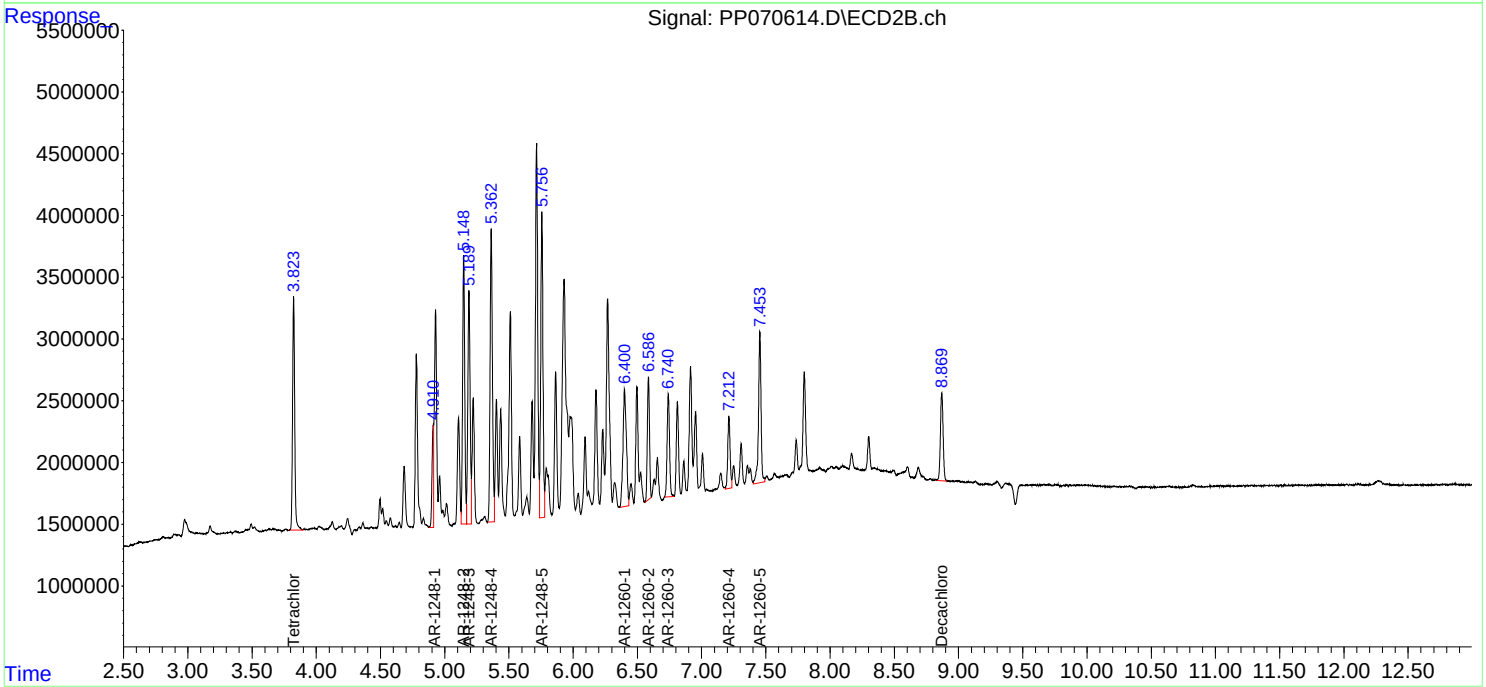
**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

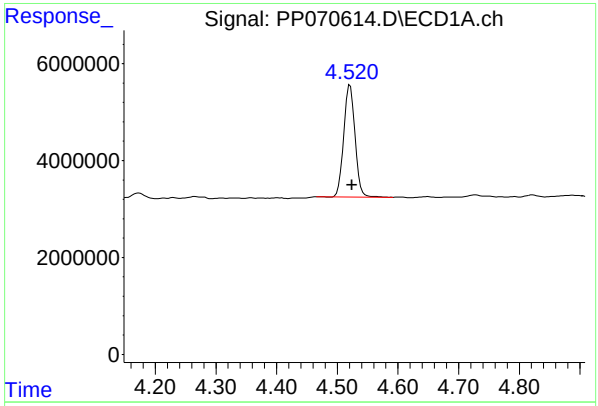
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





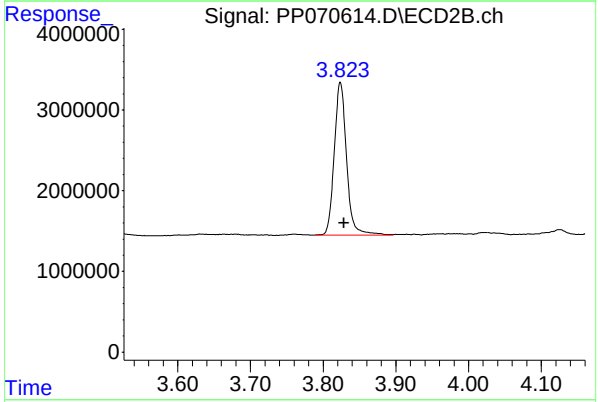

#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 29908639
Conc: 19.23 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

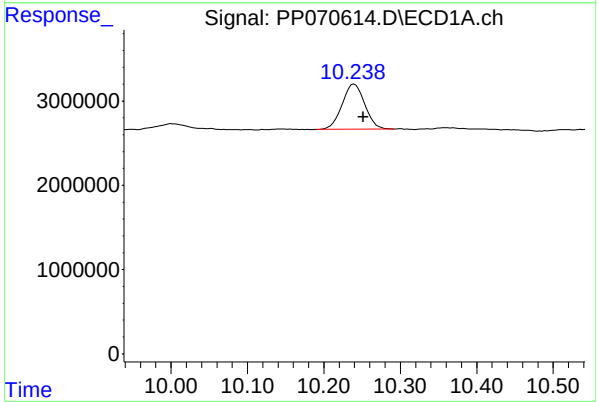
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



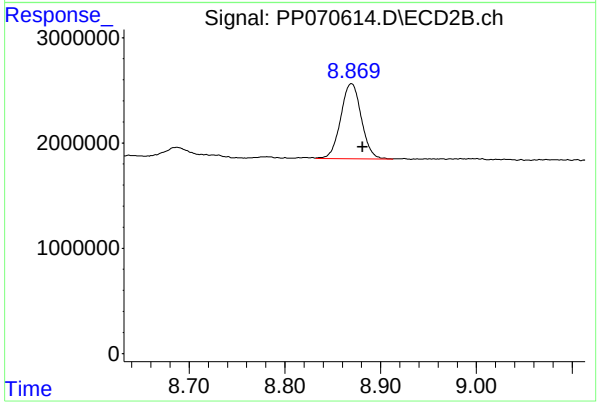

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 22159322
Conc: 22.11 ng/ml



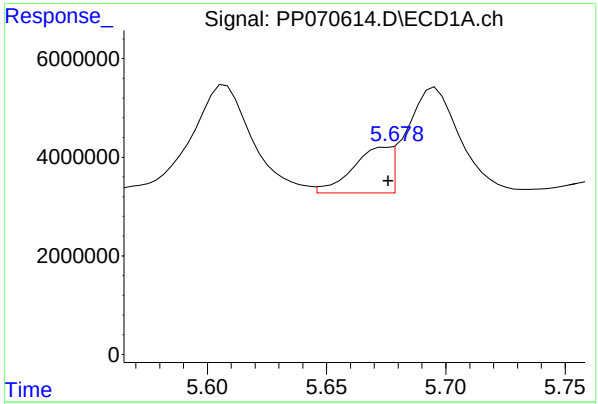

#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 11033092
Conc: 10.39 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.012 min
Response: 10662160
Conc: 10.90 ng/ml



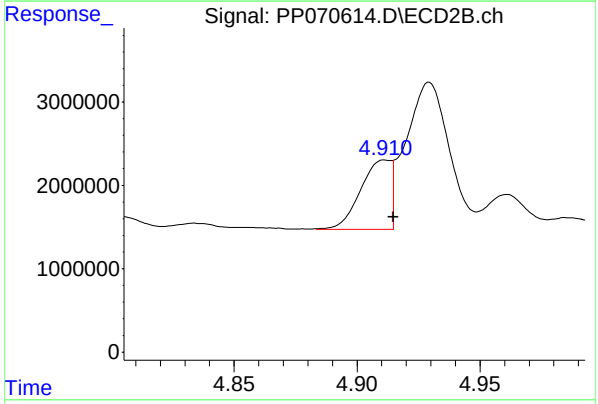

#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 mi
Response: 12635064
Conc: 369.92 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

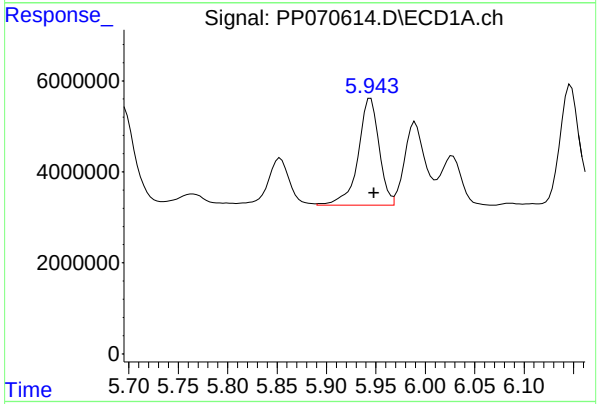
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



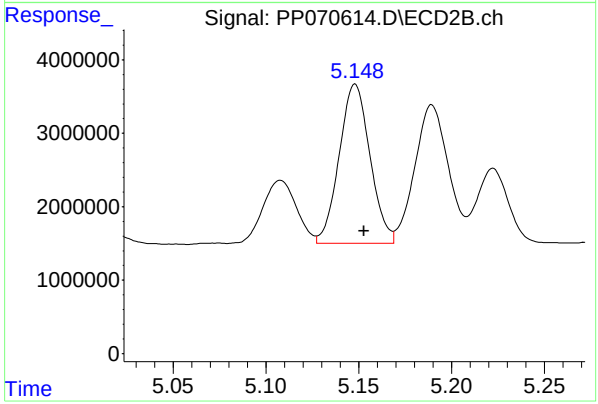

#21 AR-1248-1

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 7295675
Conc: 310.78 ng/ml m



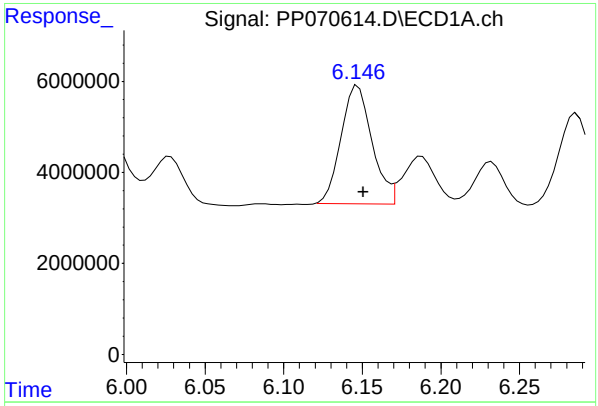

#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 34567993
Conc: 814.37 ng/ml




#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 25074100
Conc: 801.00 ng/ml



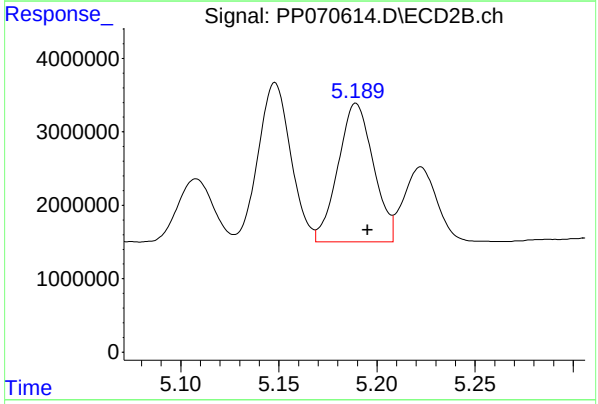

#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.004 min
Response: 35718547
Conc: 773.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

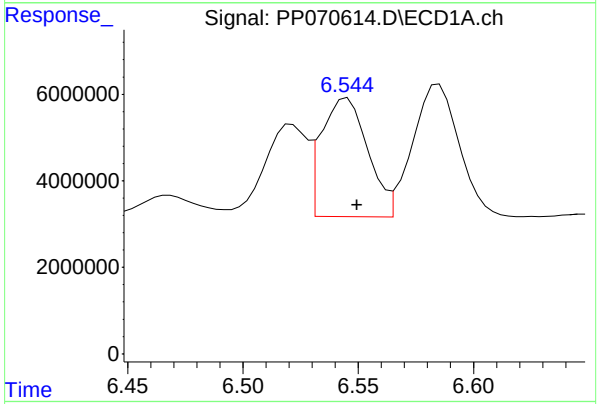
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



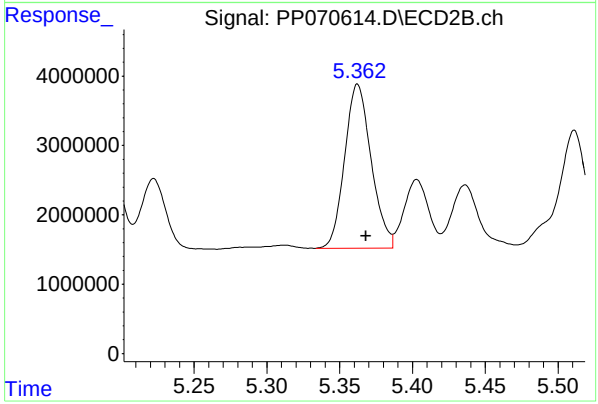

#23 AR-1248-3

R.T.: 5.189 min
Delta R.T.: -0.006 min
Response: 23650483
Conc: 745.56 ng/ml



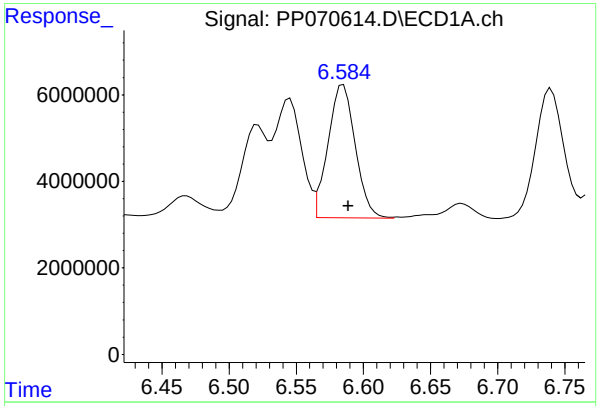

#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 38278564
Conc: 660.07 ng/ml




#24 AR-1248-4

R.T.: 5.362 min
Delta R.T.: -0.006 min
Response: 30019646
Conc: 770.26 ng/ml



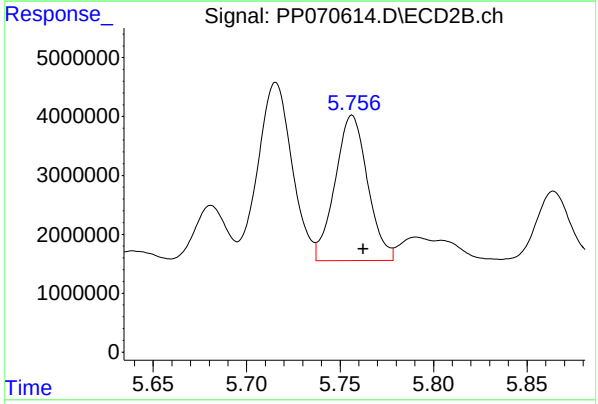

#25 AR-1248-5

R.T.: 6.585 min
Delta R.T.: -0.004 min
Response: 43491473
Conc: 810.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

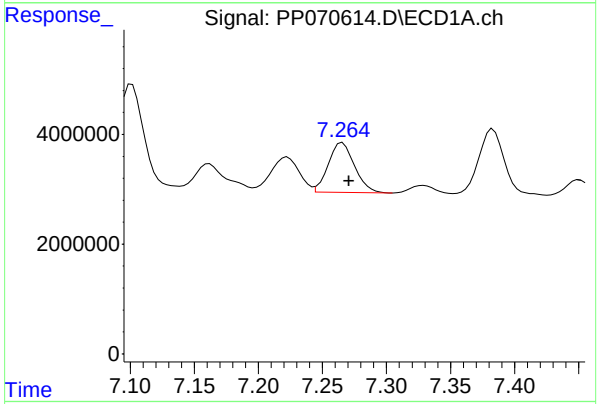
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



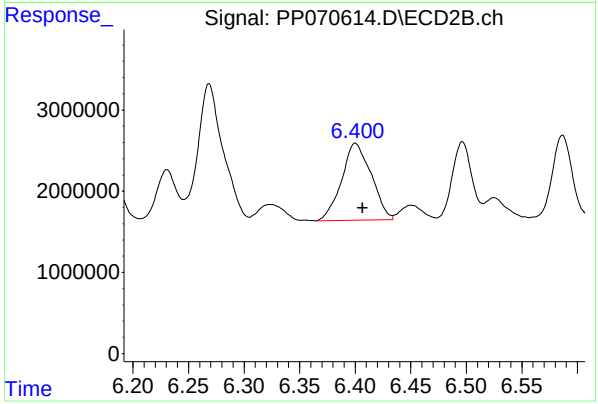

#25 AR-1248-5

R.T.: 5.756 min
Delta R.T.: -0.006 min
Response: 29931199
Conc: 785.87 ng/ml



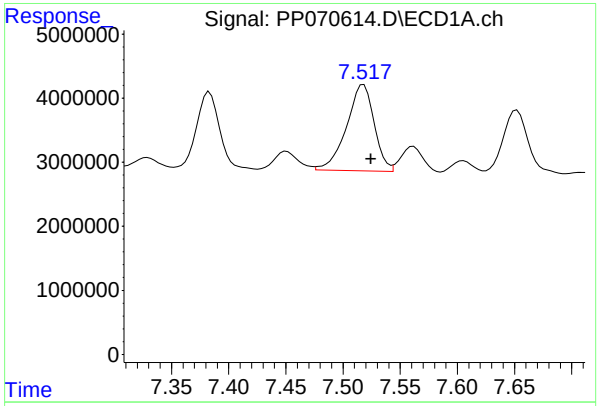

#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 12948735
Conc: 220.45 ng/ml




#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 17549714
Conc: 352.51 ng/ml



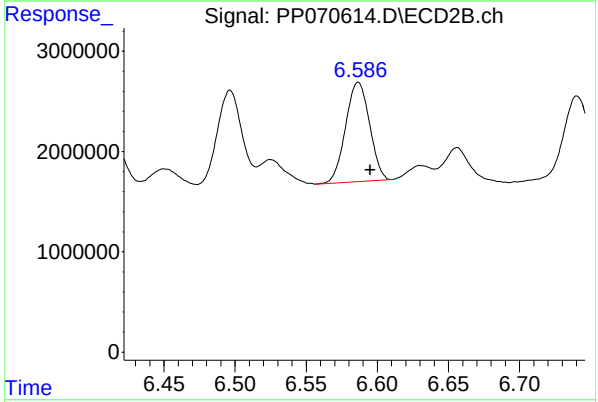

#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 22696079
Conc: 276.64 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

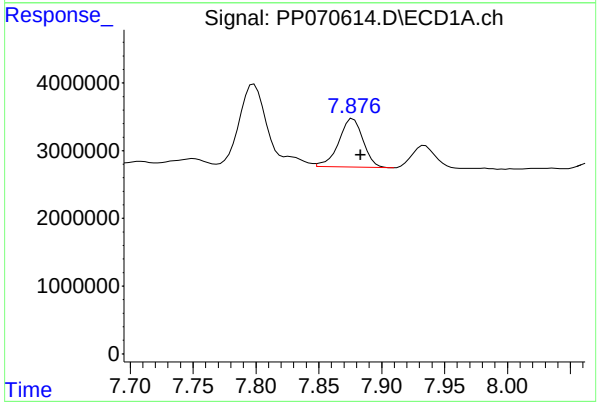
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



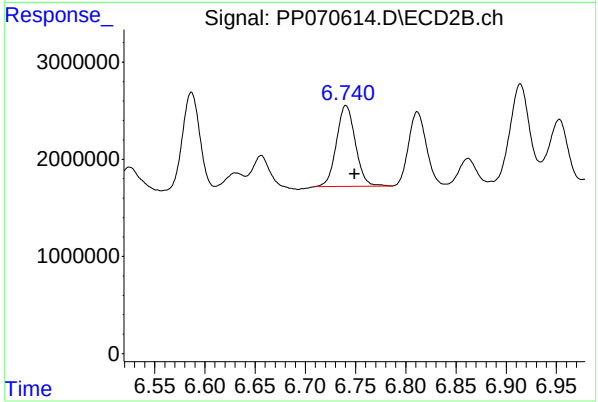

#32 AR-1260-2

R.T.: 6.587 min
Delta R.T.: -0.008 min
Response: 11601832
Conc: 175.55 ng/ml



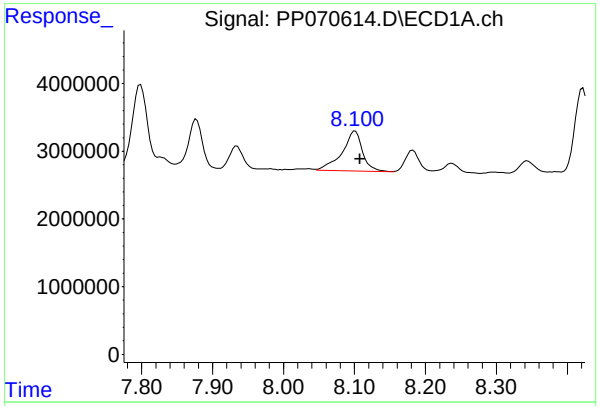

#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 9608045
Conc: 146.11 ng/ml




#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 10892304
Conc: 190.43 ng/ml



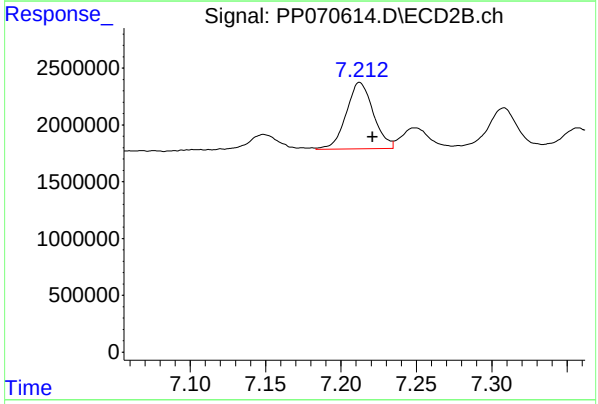

#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 11749187
Conc: 179.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O31

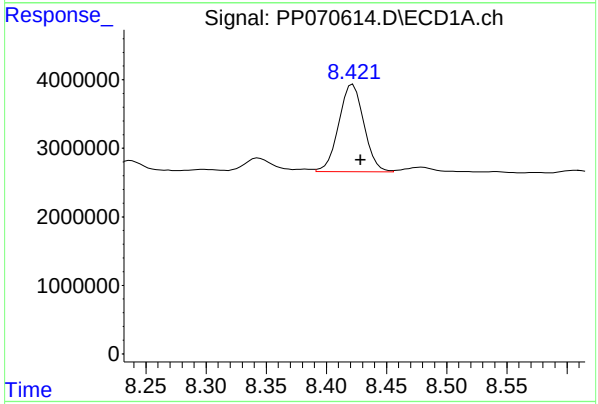
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



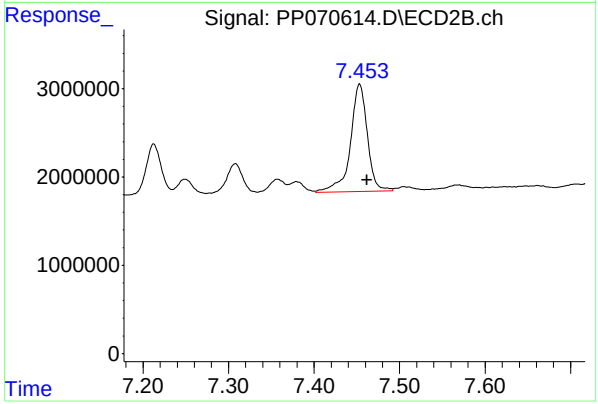

#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 7283984
Conc: 142.37 ng/ml




#35 AR-1260-5

R.T.: 8.422 min
Delta R.T.: -0.006 min
Response: 18538828
Conc: 135.64 ng/ml




#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.008 min
Response: 16781888
Conc: 130.31 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O32 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-08 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 55.1 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070615.D | 1 | 03/17/25 08:35 | 03/17/25 21:35 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 30.8 | U | 7.20 | 30.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 30.8 | U | 7.30 | 30.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 30.8 | U | 6.70 | 30.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 30.8 | U | 7.30 | 30.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 106 | | 10.7 | 30.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 30.8 | U | 5.80 | 30.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 30.8 | U | 9.10 | 30.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 30.8 | U | 6.50 | 30.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 30.7 | J | 5.90 | 30.8 | ug/kg |
| Total PCBs | Total PCBs | 137 | | 16.6 | 30.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.1 | | 32 - 144 | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 13.9 | | 32 - 175 | 69% | 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\PP031725\
Data File : PP070615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:35
Operator : YP\AJ
Sample : Q1573-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.522 | 3.825 | 30139999 | 21161967 | 19.378 | 21.114 | |
| 2) | SA Decachlor... | 10.244 | 8.872 | 14746038 | 13184804 | 13.881 | 13.476 | |
| | Target Compounds | | | | | | | |
| 21) | L5 AR-1248-1 | 5.676 | 4.914 | 1850101 | 1140984 | 54.166m | 48.603m | |
| 22) | L5 AR-1248-2 | 5.946 | 5.149 | 8122976 | 6474486 | 191.366 | 206.830 | |
| 23) | L5 AR-1248-3 | 6.149 | 5.190 | 6903614 | 6336980 | 149.595 | 199.769 | # |
| 24) | L5 AR-1248-4 | 6.548 | 5.364 | 8903923 | 6550296 | 153.539 | 168.072 | |
| 25) | L5 AR-1248-5 | 6.587 | 5.757 | 13918242 | 9659990 | 259.246 | 253.632 | |
| 31) | L7 AR-1260-1 | 7.268 | 6.400 | 3675871 | 4390353 | 62.581 | 88.187 | # |
| 32) | L7 AR-1260-2 | 7.521 | 6.589 | 4161408 | 2676063 | 50.722 | 40.493 | |
| 33) | L7 AR-1260-3 | 7.880 | 6.742 | 2038401 | 2701056 | 30.999 | 47.223 | # |
| 34) | L7 AR-1260-4 | 8.102 | 7.215 | 3004524 | 2274648 | 45.981 | 44.458 | |
| 35) | L7 AR-1260-5 | 8.425 | 7.454 | 3896585 | 4331599 | 28.509 | 33.634 | |

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

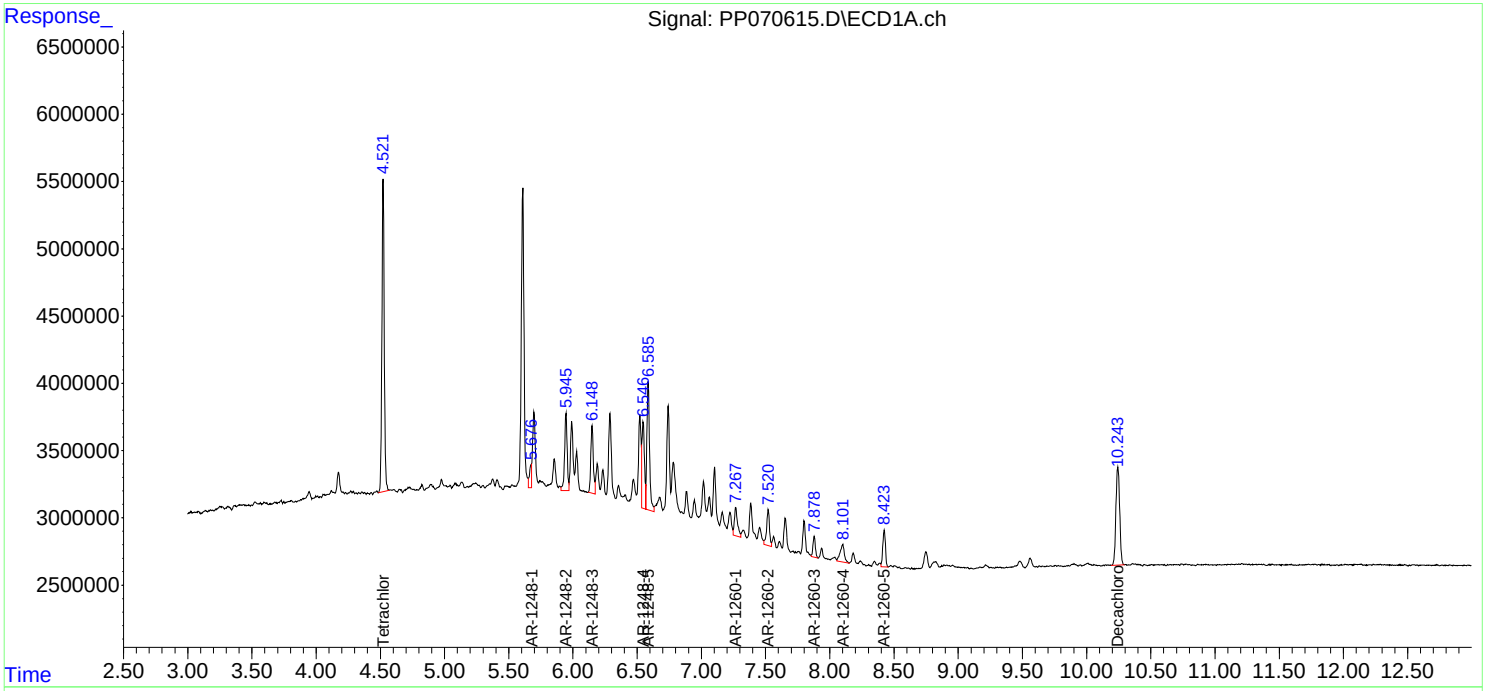
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:35
Operator : YP\AJ
Sample : Q1573-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

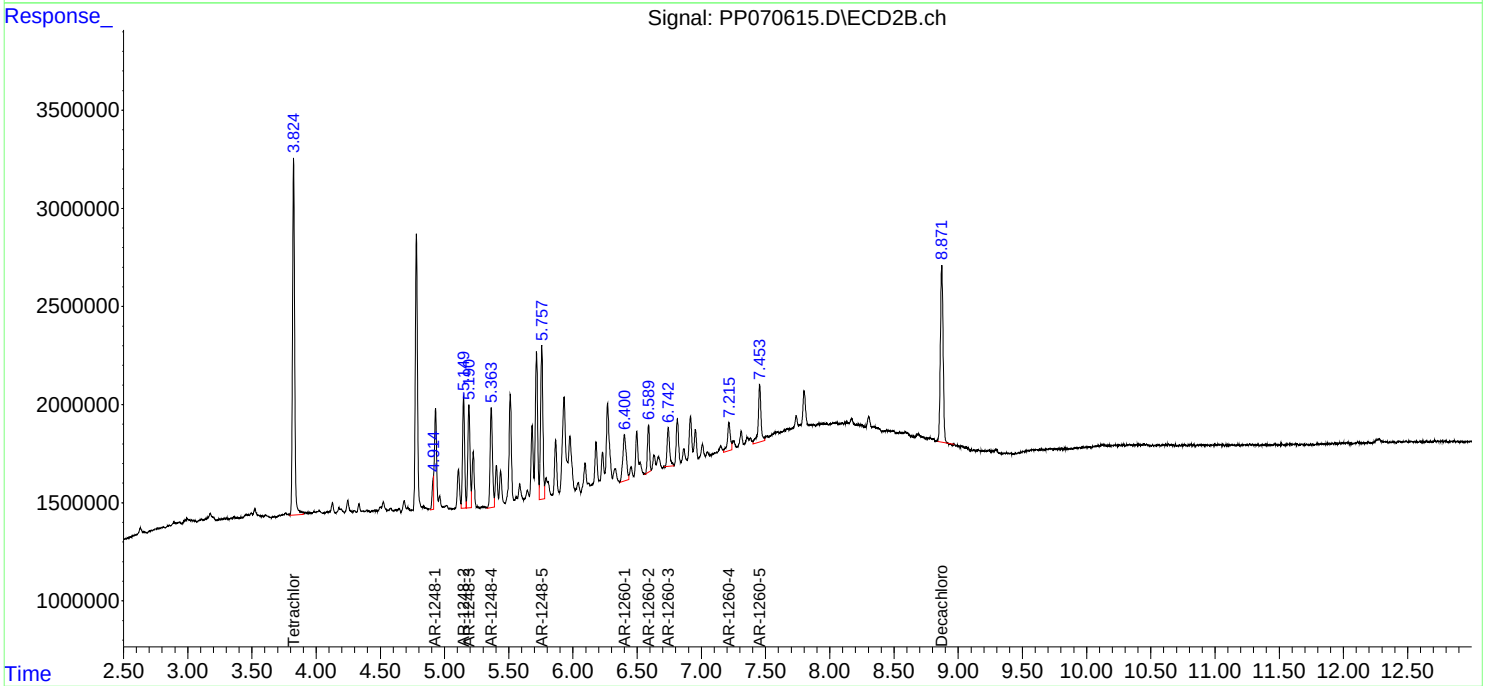
**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

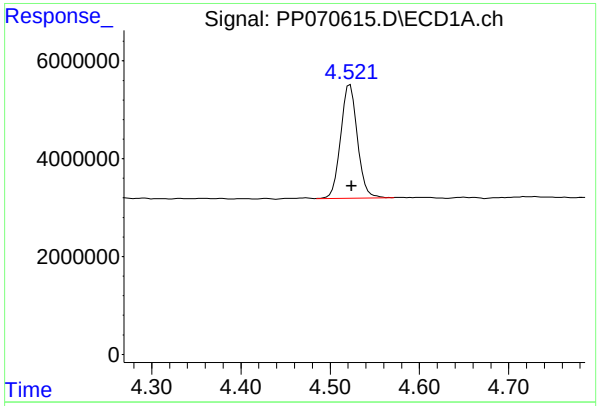
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





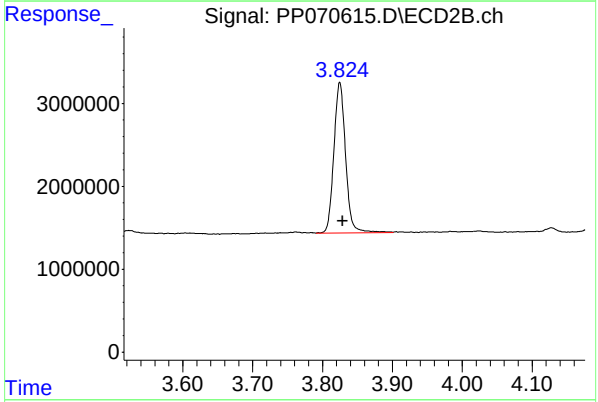

#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 30139999
Conc: 19.38 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

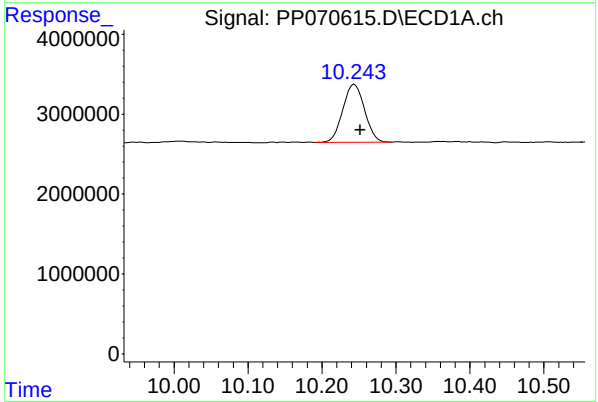
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



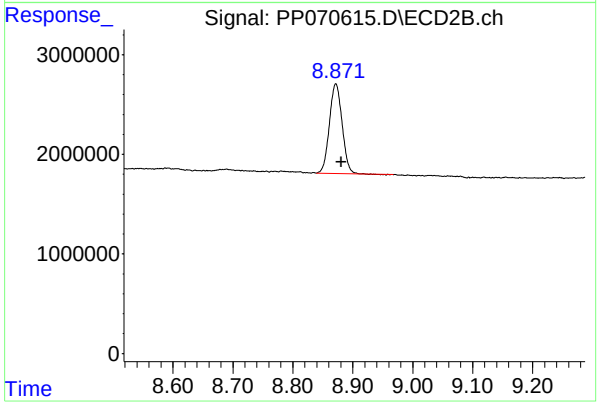

#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 21161967
Conc: 21.11 ng/ml



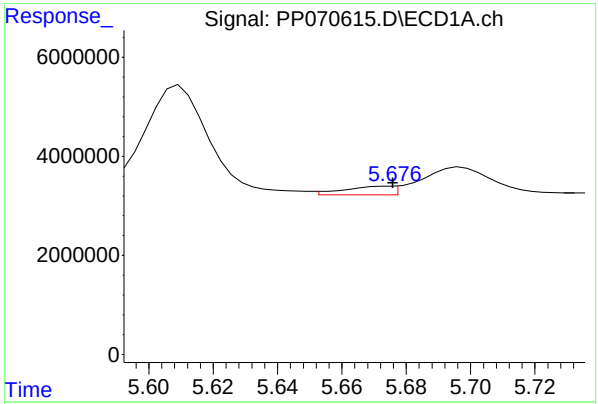

#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.008 min
Response: 14746038
Conc: 13.88 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 13184804
Conc: 13.48 ng/ml



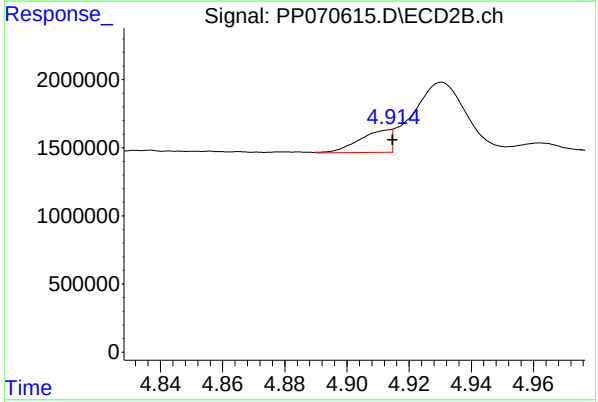

#21 AR-1248-1

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 1850101
Conc: 54.17 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

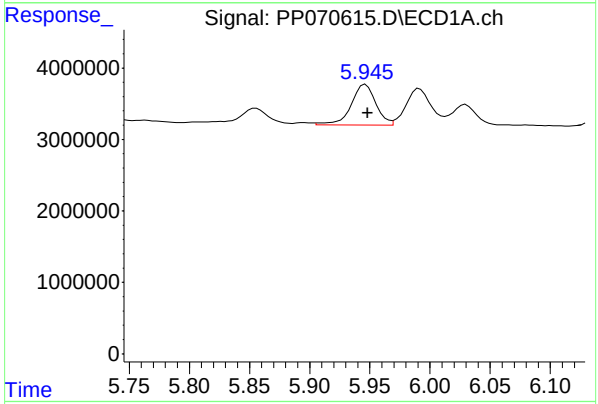
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



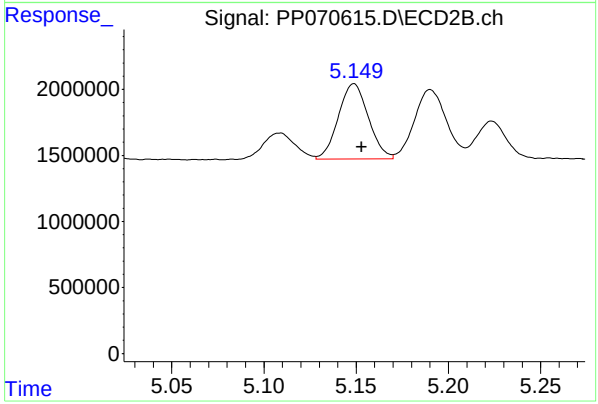

#21 AR-1248-1

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 1140984
Conc: 48.60 ng/ml m



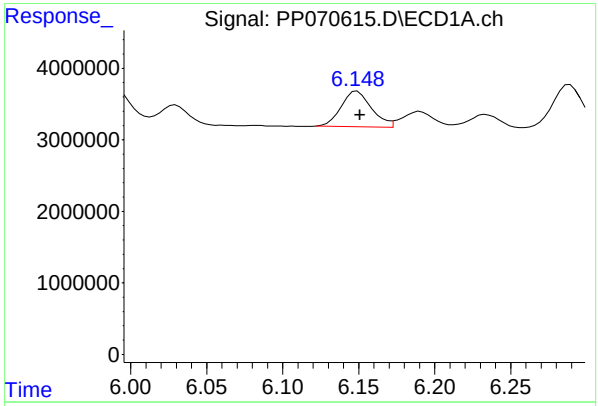

#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 8122976
Conc: 191.37 ng/ml




#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.004 min
Response: 6474486
Conc: 206.83 ng/ml



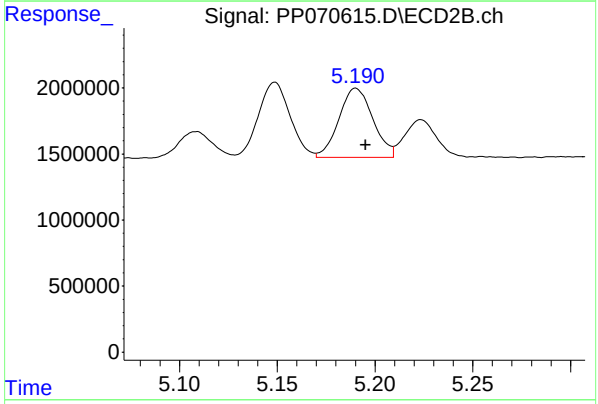

#23 AR-1248-3

R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 6903614
Conc: 149.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

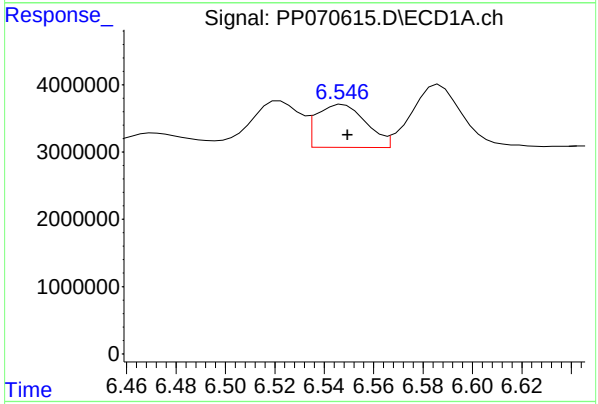
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



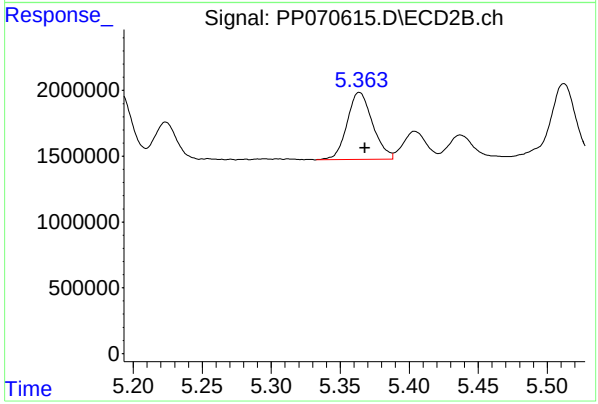

#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.005 min
Response: 6336980
Conc: 199.77 ng/ml



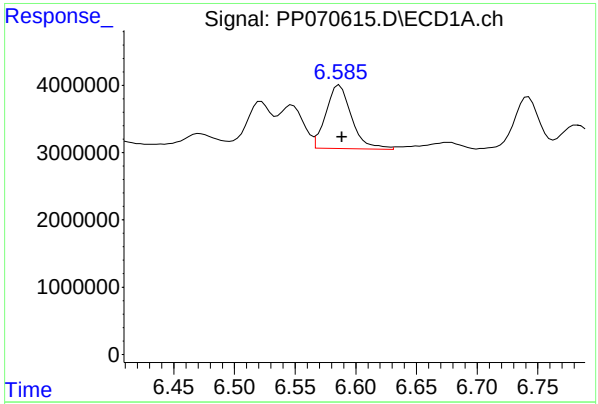

#24 AR-1248-4

R.T.: 6.548 min
Delta R.T.: -0.002 min
Response: 8903923
Conc: 153.54 ng/ml




#24 AR-1248-4

R.T.: 5.364 min
Delta R.T.: -0.004 min
Response: 6550296
Conc: 168.07 ng/ml



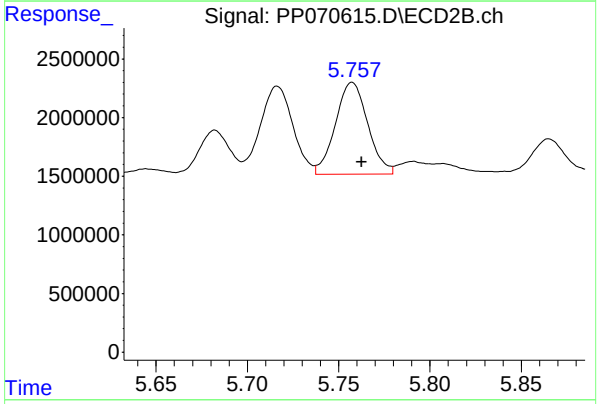

#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 13918242
Conc: 259.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

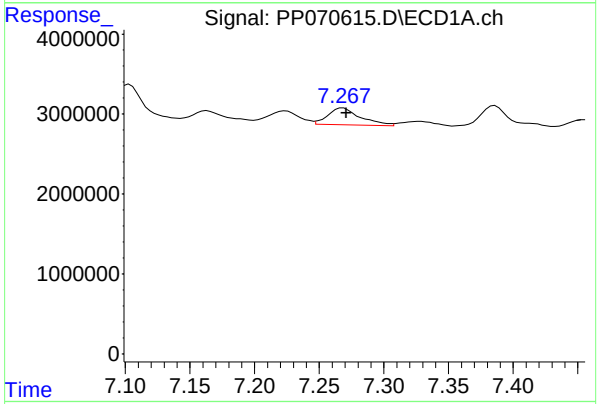
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



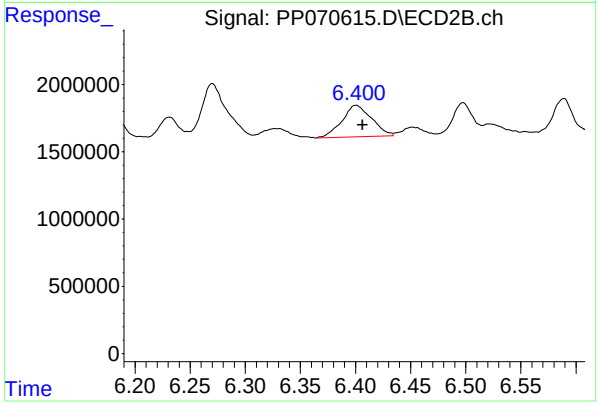

#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.005 min
Response: 9659990
Conc: 253.63 ng/ml



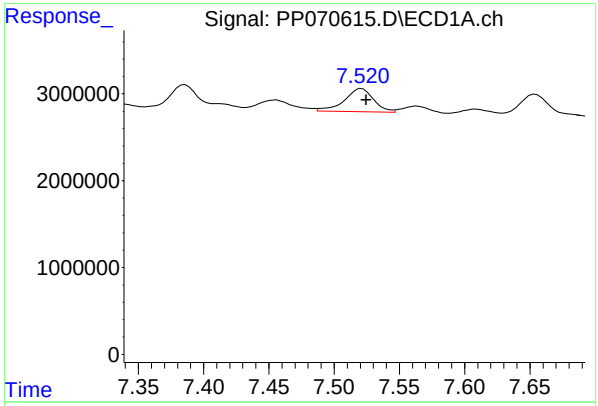

#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 3675871
Conc: 62.58 ng/ml




#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 4390353
Conc: 88.19 ng/ml



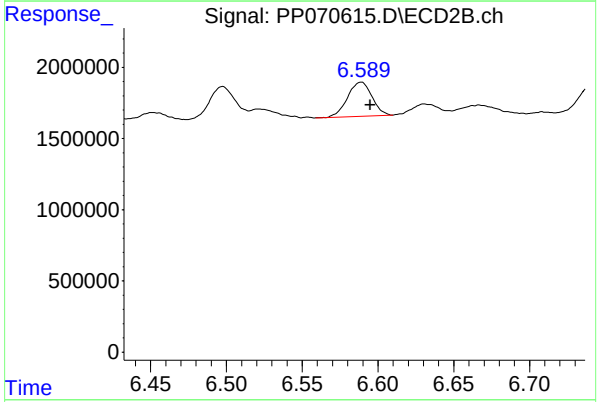

#32 AR-1260-2

R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 4161408
Conc: 50.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

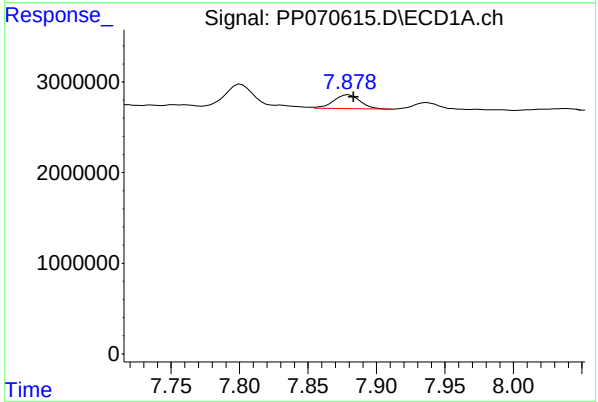
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



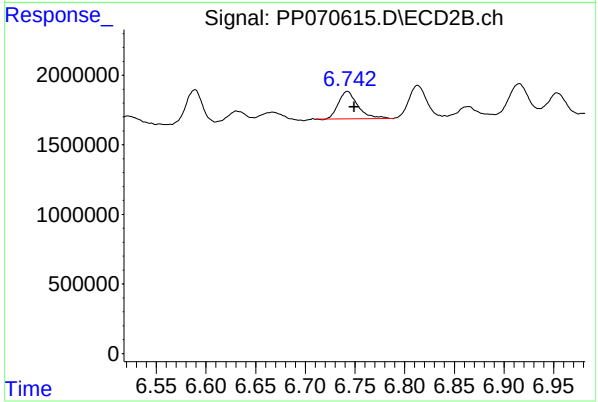

#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 2676063
Conc: 40.49 ng/ml



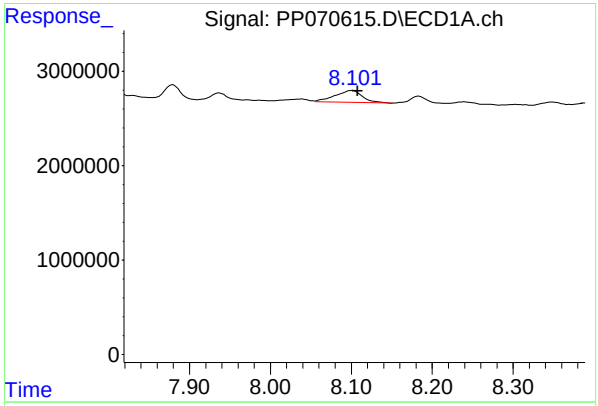

#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 2038401
Conc: 31.00 ng/ml




#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 2701056
Conc: 47.22 ng/ml



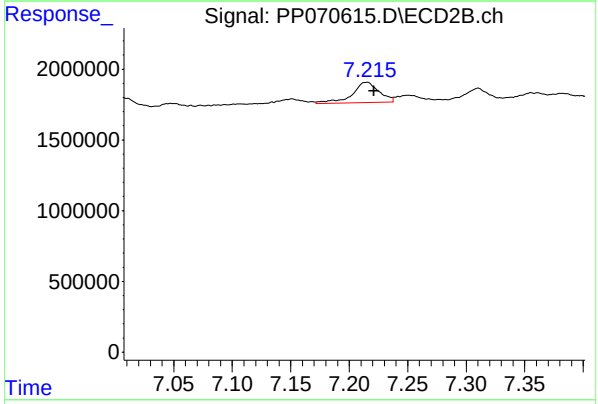

#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 3004524
Conc: 45.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O32

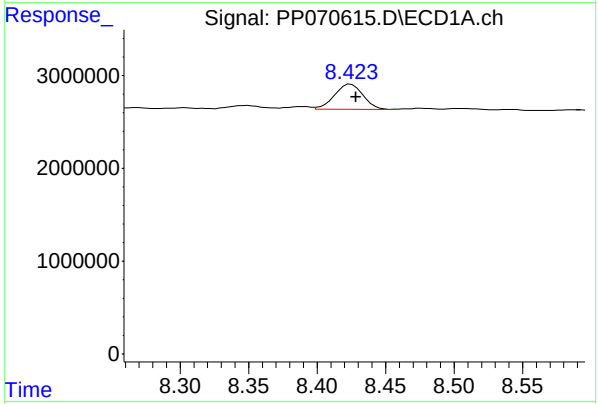
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



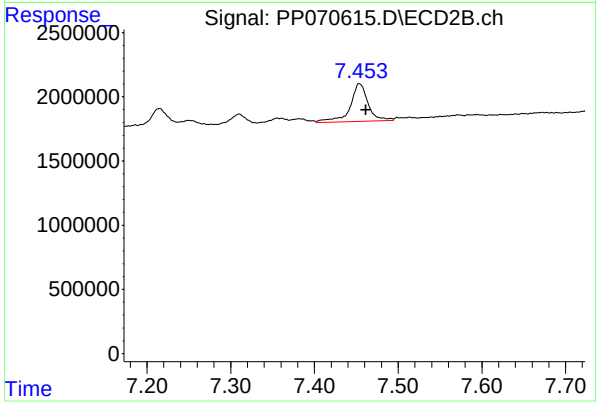

#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 2274648
Conc: 44.46 ng/ml




#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 3896585
Conc: 28.51 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 4331599
Conc: 33.63 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O33 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-09 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 64.6 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070616.D | 1 | 03/17/25 08:35 | 03/17/25 21:52 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 26.3 | U | 6.10 | 26.3 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 26.3 | U | 6.20 | 26.3 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 26.3 | U | 5.80 | 26.3 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 26.3 | U | 6.20 | 26.3 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 204 | | 9.20 | 26.3 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 26.3 | U | 5.00 | 26.3 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 26.3 | U | 7.80 | 26.3 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 26.3 | U | 5.60 | 26.3 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 176 | | 5.00 | 26.3 | ug/kg |
| Total PCBs | Total PCBs | 380 | | 14.2 | 26.3 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.2 | | 32 - 144 | 96% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 9.20 | | 32 - 175 | 46% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:52
Operator : YP\AJ
Sample : Q1573-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.522 | 3.824 | 27044622 | 19227121 | 17.388 | 19.183 |
| 2) | SA Decachlor... | 10.243 | 8.871 | 9422115 | 9003816 | 8.869 | 9.203 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.678 | 4.912 | 7015677 | 4577872 | 205.401m | 195.006m |
| 22) | L5 AR-1248-2 | 5.946 | 5.148 | 17989212 | 12903631 | 423.801 | 412.211 |
| 23) | L5 AR-1248-3 | 6.148 | 5.190 | 19504556 | 13277416 | 422.646 | 418.561 |
| 24) | L5 AR-1248-4 | 6.547 | 5.363 | 23296368 | 16359291 | 401.722 | 419.758 |
| 25) | L5 AR-1248-5 | 6.587 | 5.757 | 28408180 | 19815236 | 529.141 | 520.267 |
| 31) | L7 AR-1260-1 | 7.267 | 6.400 | 20821278 | 21283618 | 354.476 | 427.516 |
| 32) | L7 AR-1260-2 | 7.521 | 6.588 | 32863635 | 23102716 | 400.566 | 349.578 |
| 33) | L7 AR-1260-3 | 7.880 | 6.741 | 20193393 | 18305704 | 307.088 | 320.045 |
| 34) | L7 AR-1260-4 | 8.102 | 7.213 | 21431126 | 14868980 | 327.980m | 290.617 |
| 35) | L7 AR-1260-5 | 8.424 | 7.454 | 43247851 | 37911725 | 316.422 | 294.379 |

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

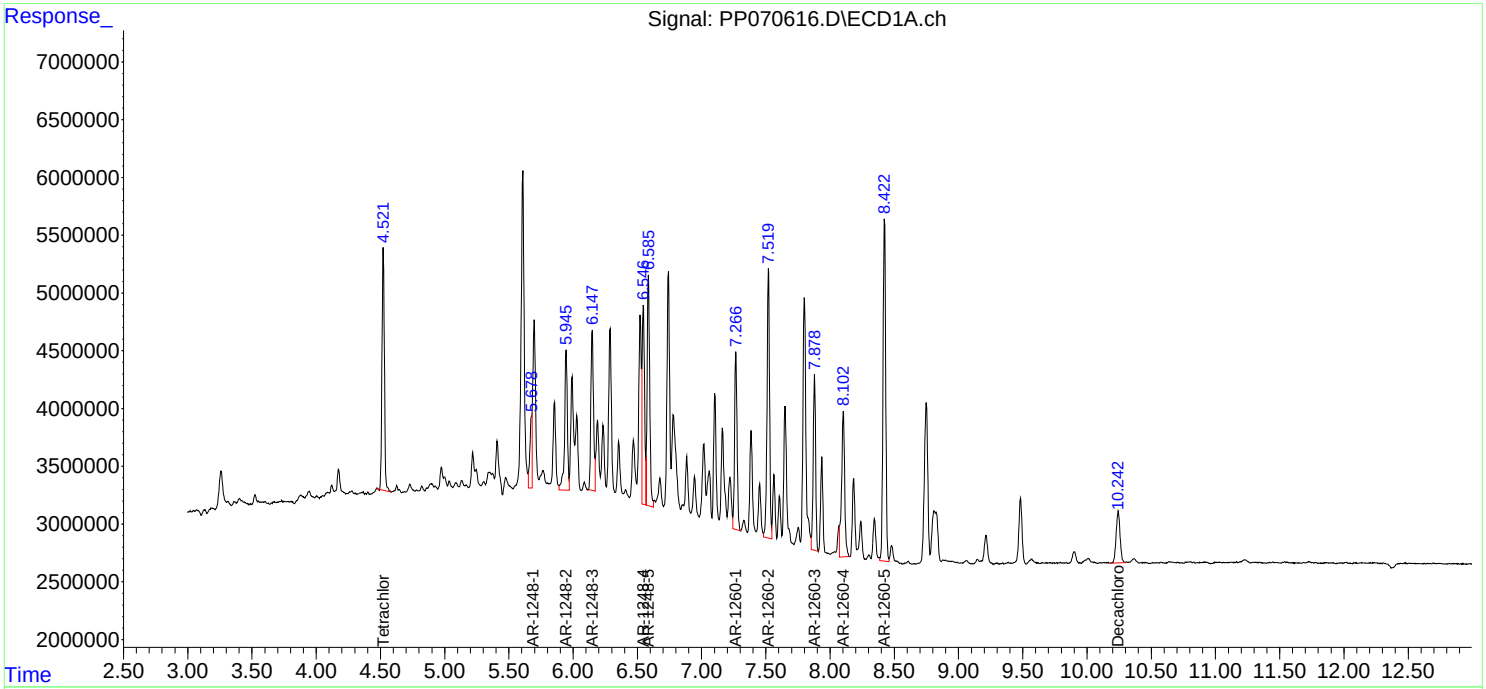
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 21:52
Operator : YP\AJ
Sample : Q1573-09
Misc :
ALS Vial : 34 Sample Multiplier: 1

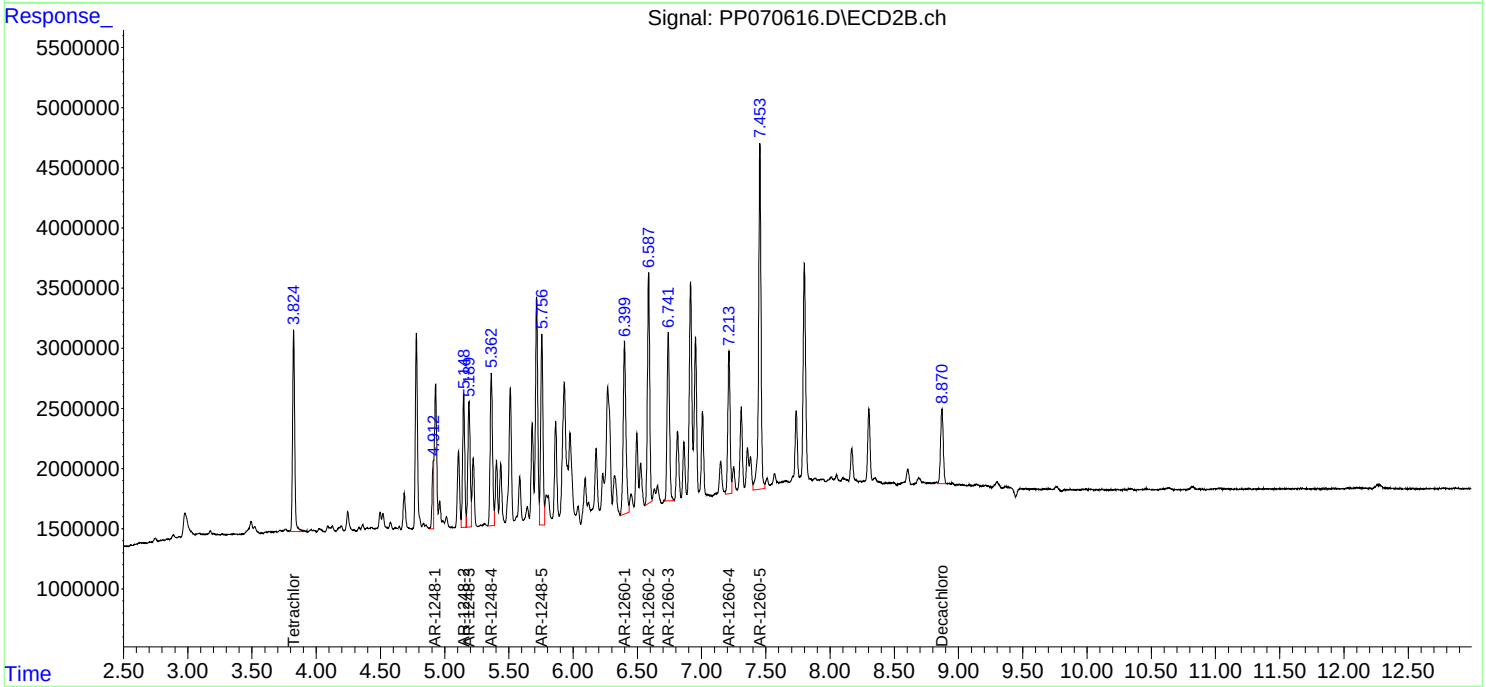
**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

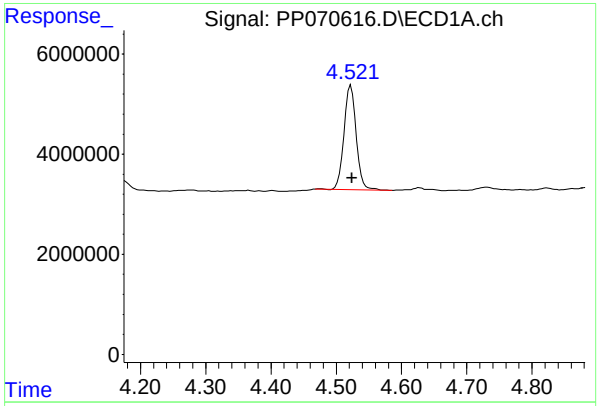
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:46:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





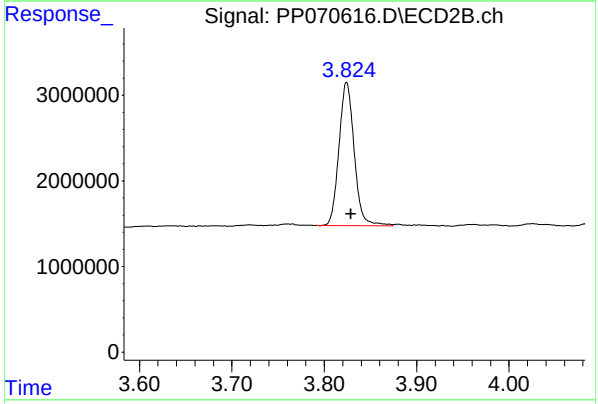

#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 27044622
Conc: 17.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

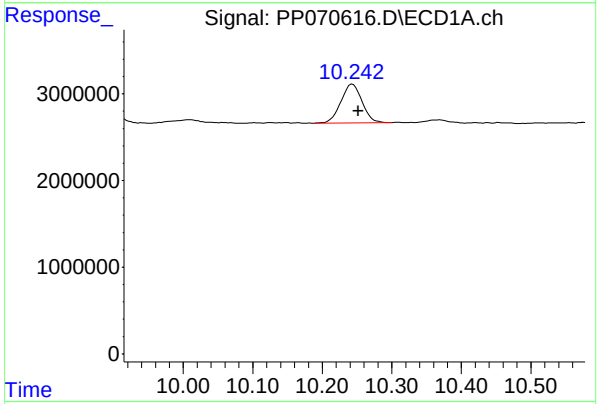
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



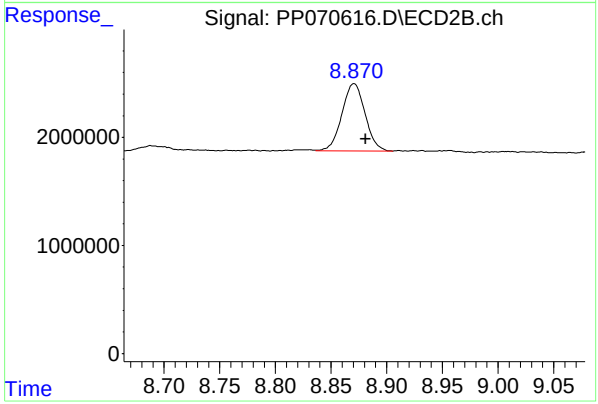

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 19227121
Conc: 19.18 ng/ml



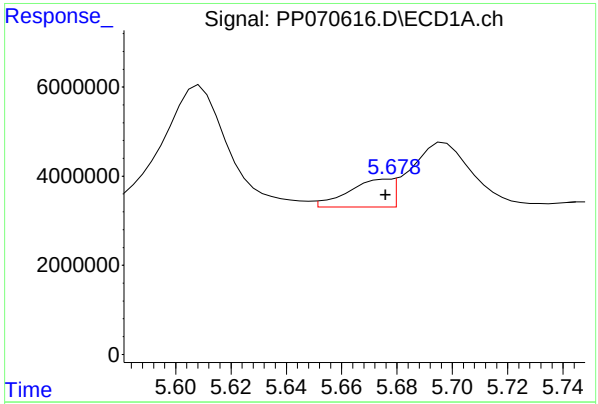

#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.008 min
Response: 9422115
Conc: 8.87 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 9003816
Conc: 9.20 ng/ml



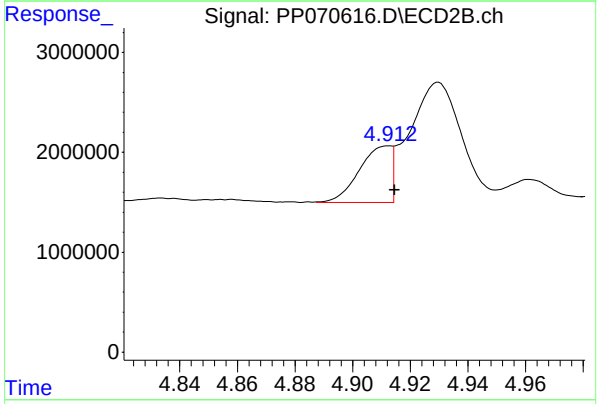

#21 AR-1248-1

R.T.: 5.678 min
Delta R.T.: 0.002 mi
Response: 7015677
Conc: 205.40 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

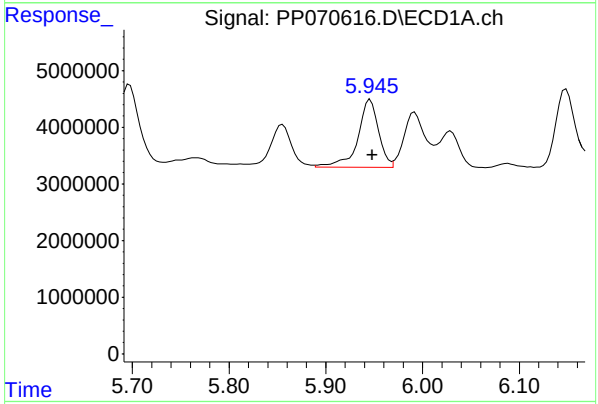
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



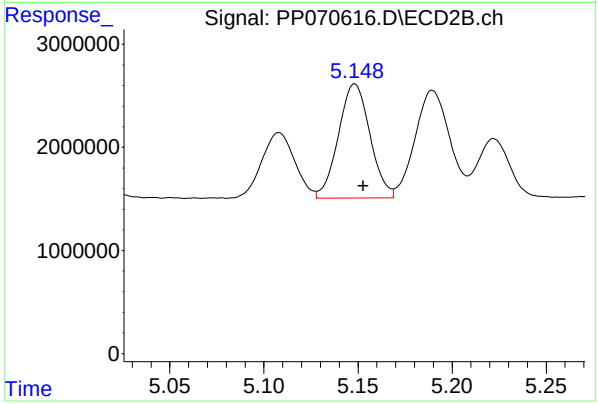

#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 4577872
Conc: 195.01 ng/ml m



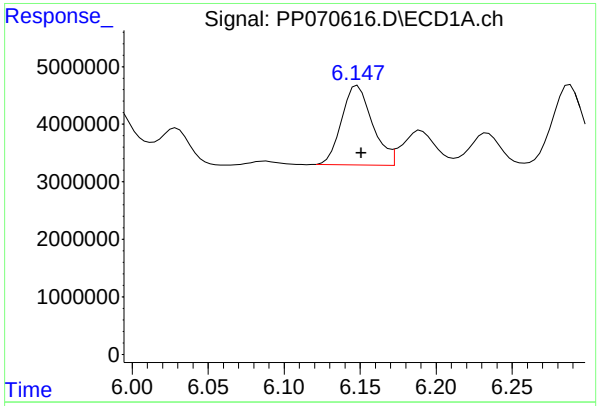

#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 17989212
Conc: 423.80 ng/ml




#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 12903631
Conc: 412.21 ng/ml



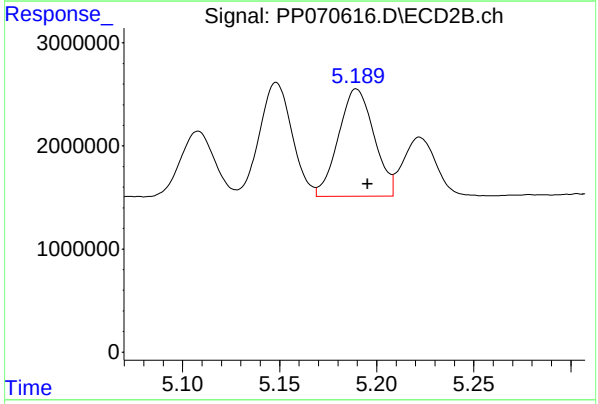

#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.002 min
Response: 19504556
Conc: 422.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

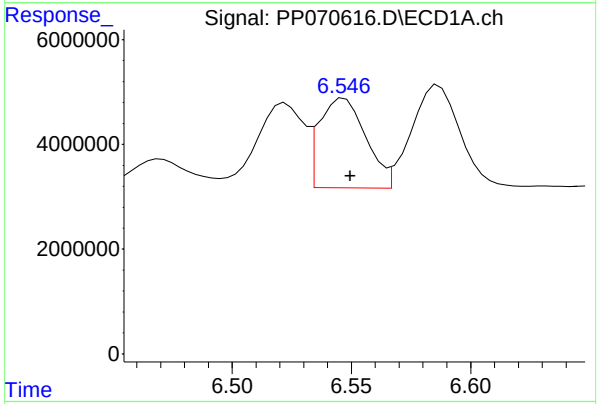
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



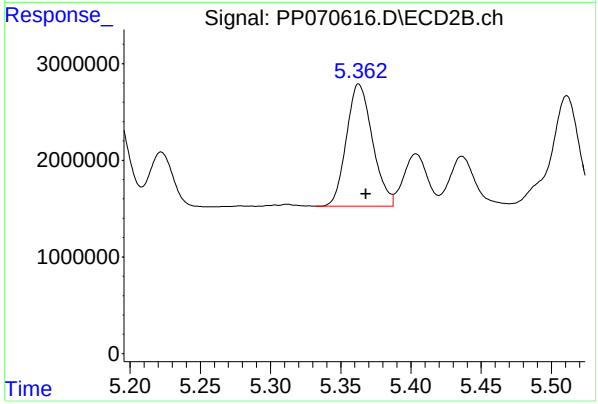

#23 AR-1248-3

R.T.: 5.190 min
Delta R.T.: -0.006 min
Response: 13277416
Conc: 418.56 ng/ml



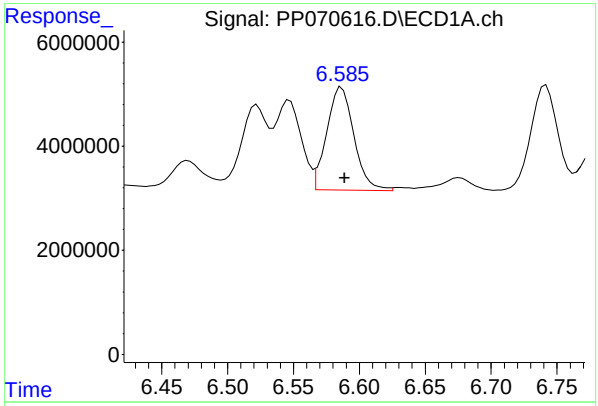

#24 AR-1248-4

R.T.: 6.547 min
Delta R.T.: -0.003 min
Response: 23296368
Conc: 401.72 ng/ml




#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 16359291
Conc: 419.76 ng/ml



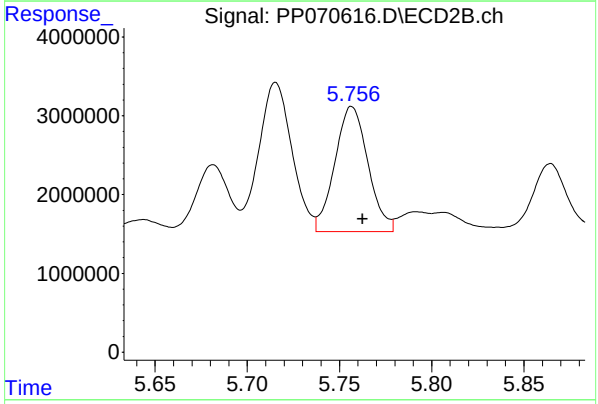

#25 AR-1248-5

R.T.: 6.587 min
Delta R.T.: -0.002 min
Response: 28408180
Conc: 529.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

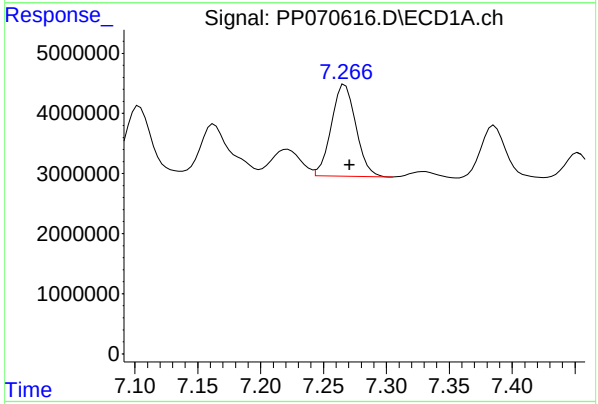
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



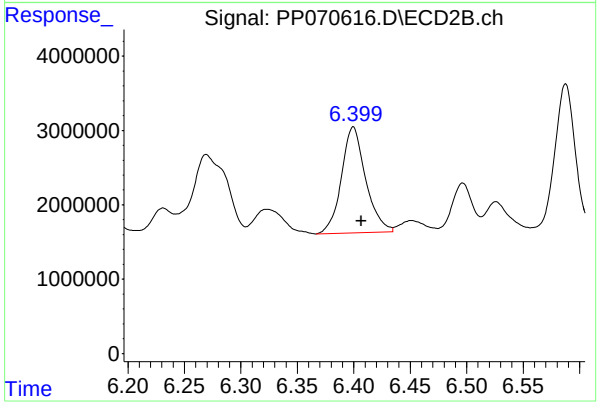

#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 19815236
Conc: 520.27 ng/ml



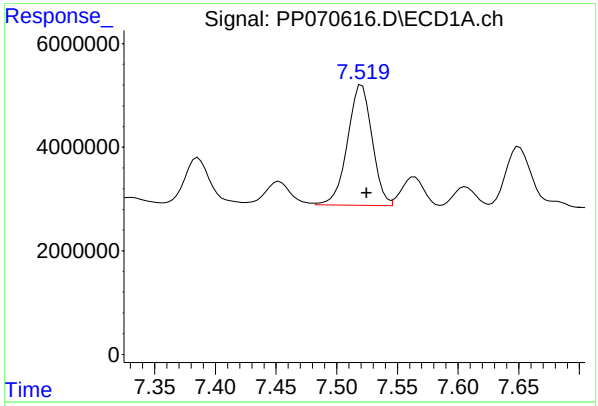

#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 20821278
Conc: 354.48 ng/ml




#31 AR-1260-1

R.T.: 6.400 min
Delta R.T.: -0.007 min
Response: 21283618
Conc: 427.52 ng/ml



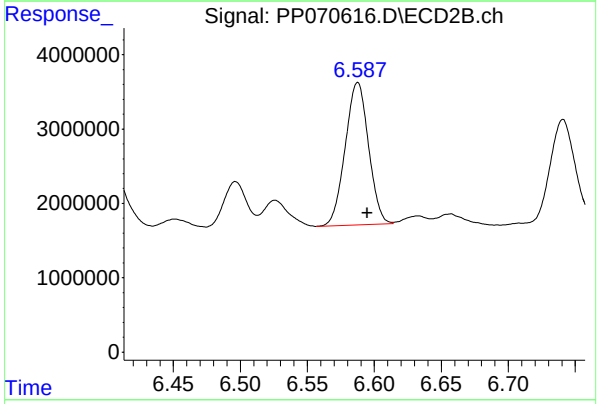

#32 AR-1260-2

R.T.: 7.521 min
Delta R.T.: -0.004 min
Response: 32863635
Conc: 400.57 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

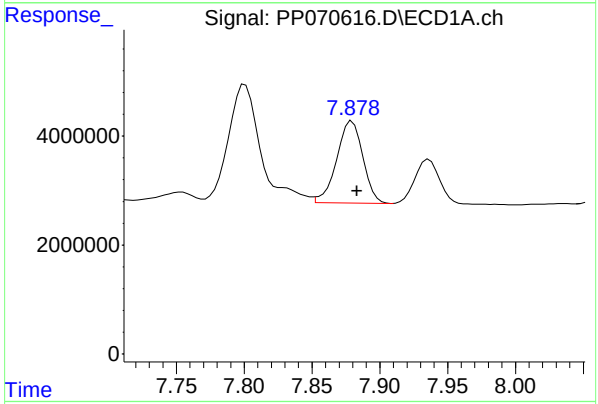
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



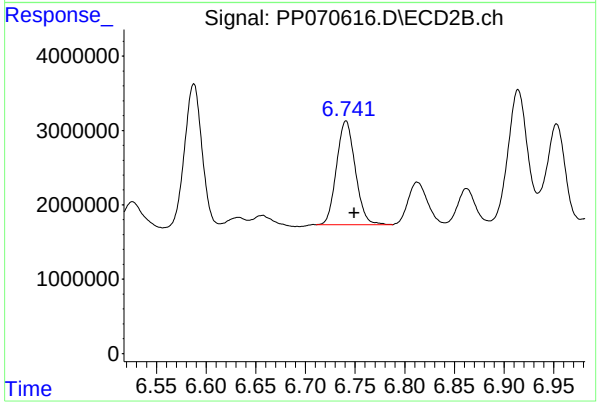

#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 23102716
Conc: 349.58 ng/ml



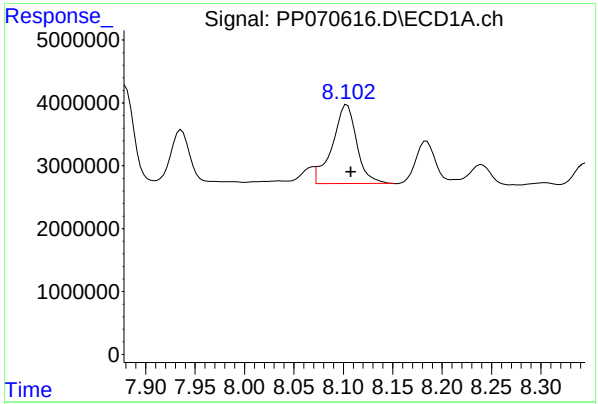

#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.004 min
Response: 20193393
Conc: 307.09 ng/ml




#33 AR-1260-3

R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 18305704
Conc: 320.04 ng/ml



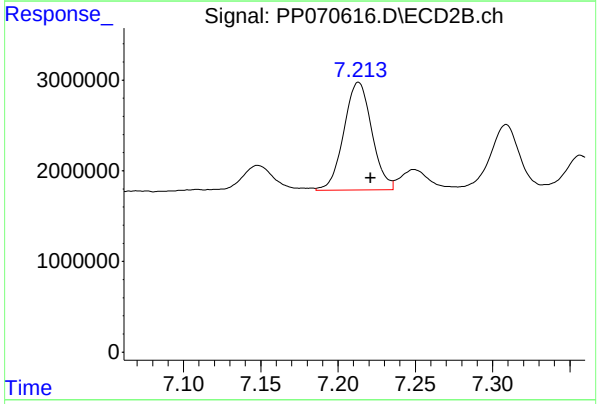

#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.005 min
Response: 21431126
Conc: 327.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O33

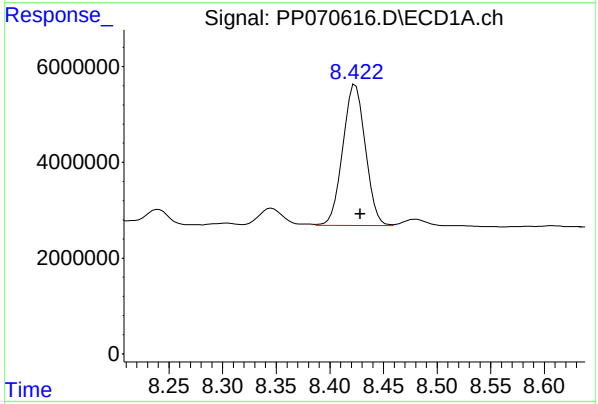
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



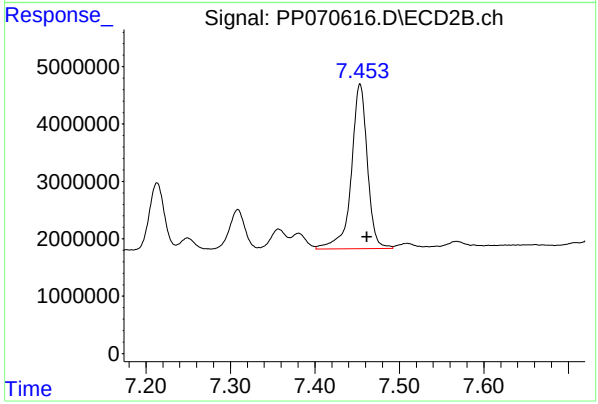

#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 14868980
Conc: 290.62 ng/ml




#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 43247851
Conc: 316.42 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 37911725
Conc: 294.38 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O34 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-10 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 82.1 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070617.D | 1 | 03/17/25 08:35 | 03/17/25 22:08 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 20.7 | U | 4.80 | 20.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 20.7 | U | 4.90 | 20.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 20.7 | U | 4.50 | 20.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 20.7 | U | 4.90 | 20.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 45.5 | | 7.20 | 20.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 20.7 | U | 3.90 | 20.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 20.7 | U | 6.10 | 20.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 20.7 | U | 4.40 | 20.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.60 | J | 3.90 | 20.7 | ug/kg |
| Total PCBs | Total PCBs | 55.1 | | 11.1 | 20.7 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.1 | | 32 - 144 | 90% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 8.50 | | 32 - 175 | 43% | 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\PP031725\
Data File : PP070617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 22:08
Operator : YP\AJ
Sample : Q1573-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.519 | 3.824 | 25830687 | 18127815 | 16.607 | 18.087 | |
| 2) | SA Decachlor... | 10.240 | 8.870 | 8703508 | 8320233 | 8.193 | 8.504 | |
| | Target Compounds | | | | | | | |
| 21) | L5 AR-1248-1 | 5.668 | 4.911 | 2096169 | 1249727 | 61.371m | 53.235 | |
| 22) | L5 AR-1248-2 | 5.943 | 5.148 | 4723810 | 3362488 | 111.287 | 107.416 | |
| 23) | L5 AR-1248-3 | 6.146 | 5.191 | 4423779 | 3206757 | 95.859 | 101.091 | |
| 24) | L5 AR-1248-4 | 6.544 | 5.363 | 7766018 | 4346207 | 133.917 | 111.518 | |
| 25) | L5 AR-1248-5 | 6.583 | 5.757 | 8550072 | 4982210 | 159.257 | 130.812 | |
| 31) | L7 AR-1260-1 | 7.264 | 6.402 | 1880012 | 2174921 | 32.007 | 43.687 | # |
| 32) | L7 AR-1260-2 | 7.518 | 6.588 | 1805424 | 1120810 | 22.006 | 16.959 | |
| 33) | L7 AR-1260-3 | 7.876 | 6.742 | 789810 | 1335553 | 12.011 | 23.350m | # |
| 34) | L7 AR-1260-4 | 8.085 | 7.214 | 1664496 | 832936 | 25.473 | 16.280 | # |
| 35) | L7 AR-1260-5 | 8.420 | 7.454 | 1673374 | 2325359 | 12.243 | 18.056 | # |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 22:08
Operator : YP\AJ
Sample : Q1573-10
Misc :
ALS Vial : 35 Sample Multiplier: 1

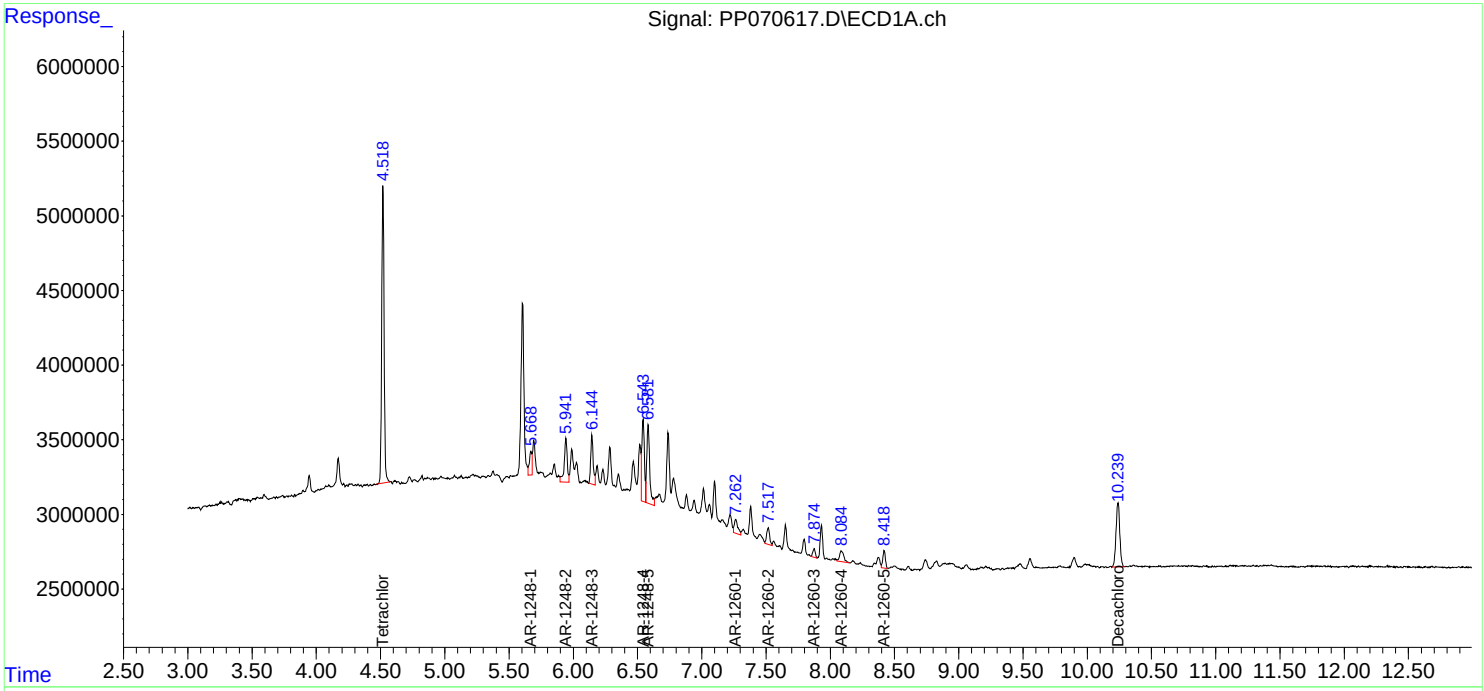
**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

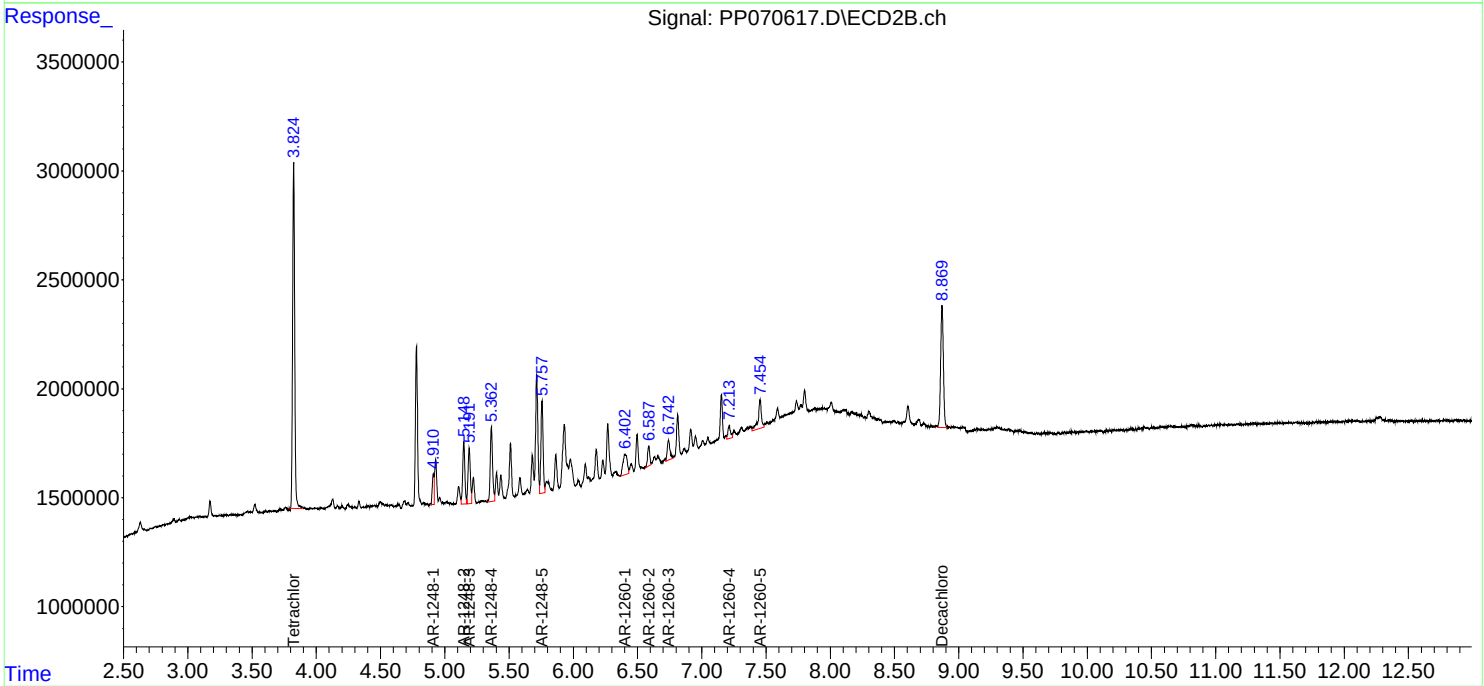
**Manual Integrations APPROVED**

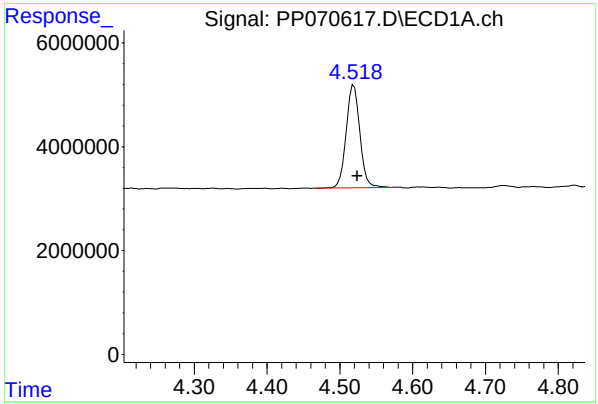
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





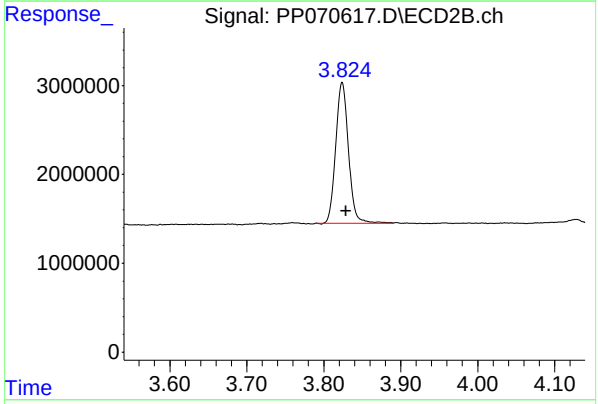

#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 25830687
Conc: 16.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

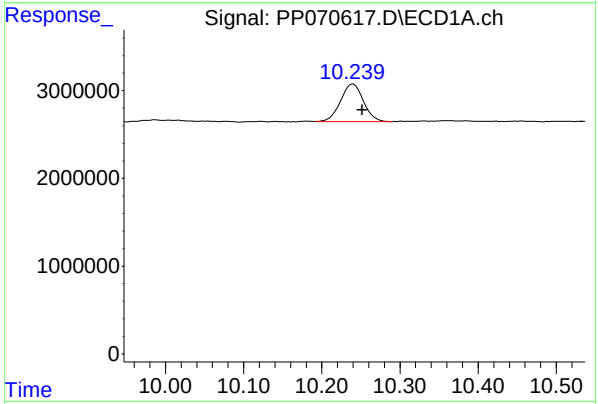
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



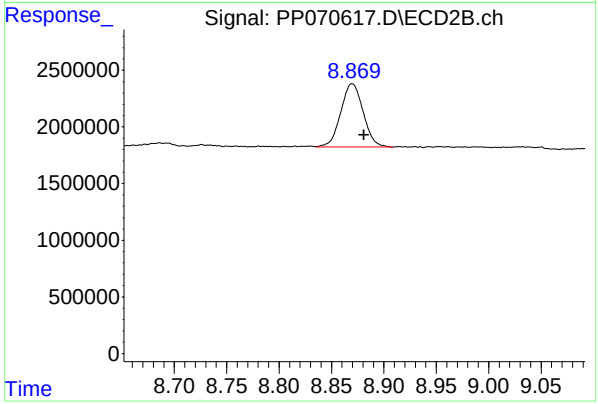

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 18127815
Conc: 18.09 ng/ml



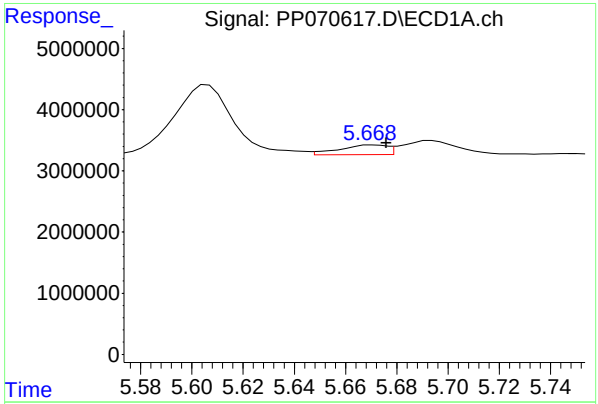

#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.011 min
Response: 8703508
Conc: 8.19 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 8320233
Conc: 8.50 ng/ml



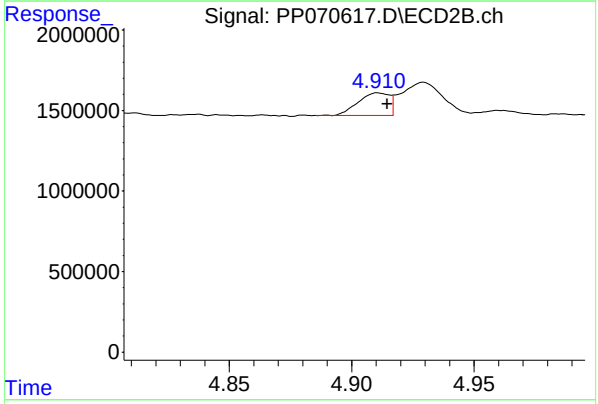

#21 AR-1248-1

R.T.: 5.668 min
Delta R.T.: -0.008 min
Response: 2096169
Conc: 61.37 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

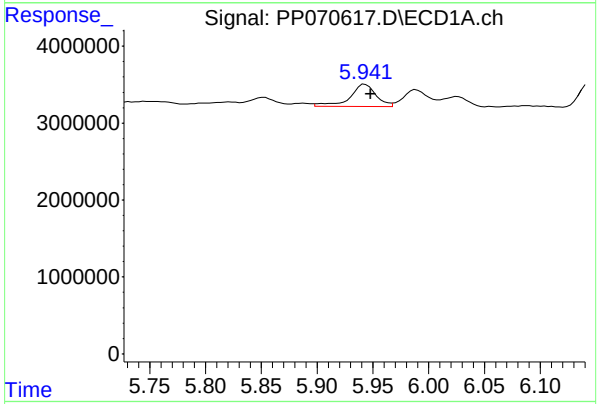
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



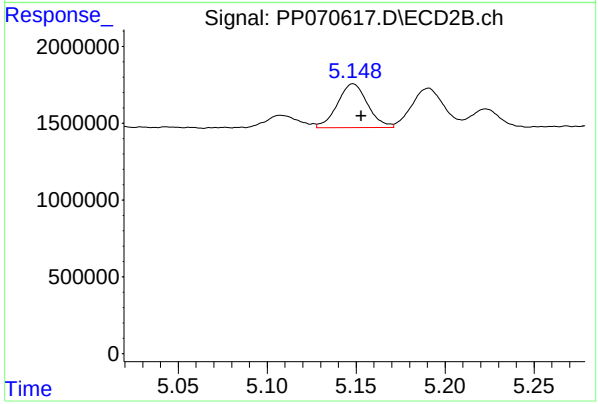

#21 AR-1248-1

R.T.: 4.911 min
Delta R.T.: -0.004 min
Response: 1249727
Conc: 53.24 ng/ml



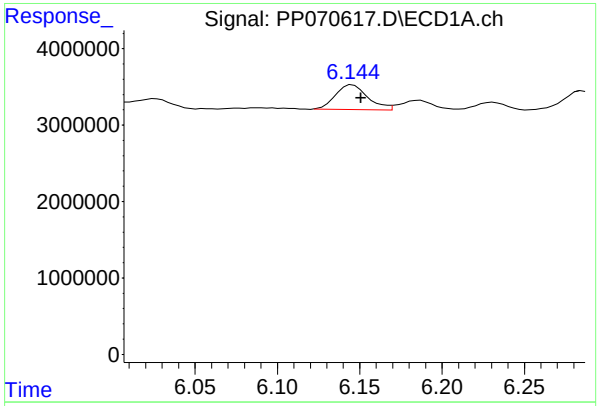

#22 AR-1248-2

R.T.: 5.943 min
Delta R.T.: -0.005 min
Response: 4723810
Conc: 111.29 ng/ml




#22 AR-1248-2

R.T.: 5.148 min
Delta R.T.: -0.005 min
Response: 3362488
Conc: 107.42 ng/ml



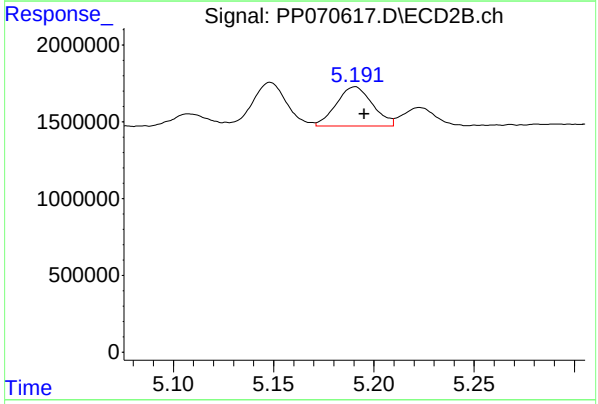

#23 AR-1248-3

R.T.: 6.146 min
Delta R.T.: -0.005 min
Response: 4423779
Conc: 95.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

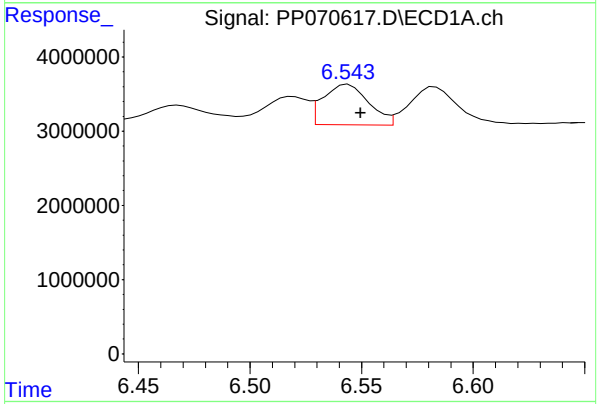
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



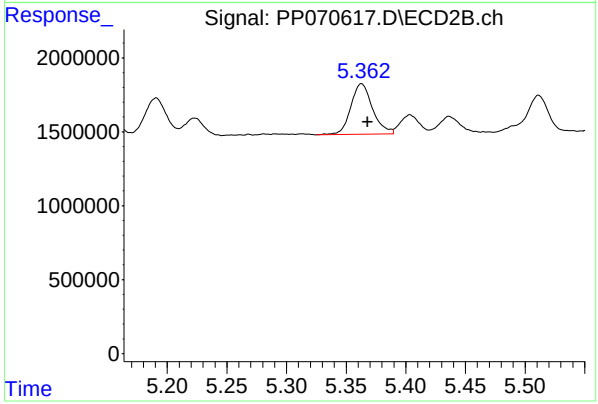

#23 AR-1248-3

R.T.: 5.191 min
Delta R.T.: -0.005 min
Response: 3206757
Conc: 101.09 ng/ml



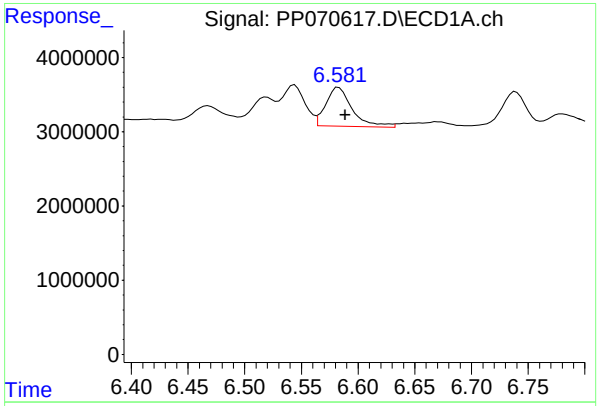

#24 AR-1248-4

R.T.: 6.544 min
Delta R.T.: -0.005 min
Response: 7766018
Conc: 133.92 ng/ml




#24 AR-1248-4

R.T.: 5.363 min
Delta R.T.: -0.005 min
Response: 4346207
Conc: 111.52 ng/ml



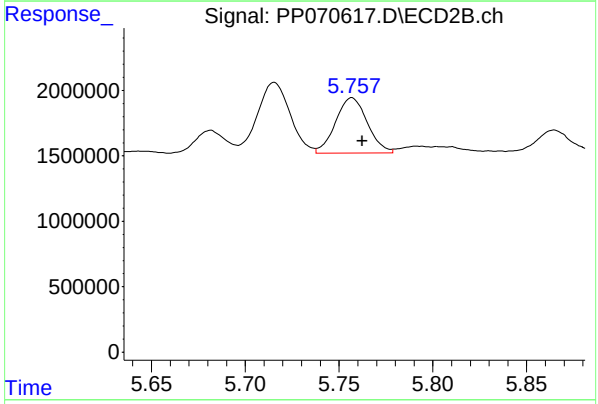

#25 AR-1248-5

R.T.: 6.583 min
Delta R.T.: -0.006 min
Response: 8550072
Conc: 159.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

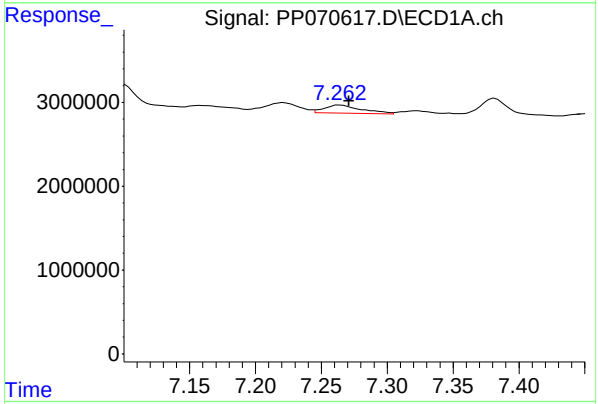
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



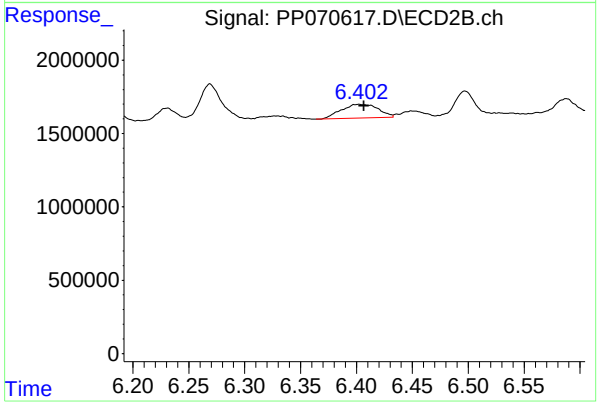

#25 AR-1248-5

R.T.: 5.757 min
Delta R.T.: -0.006 min
Response: 4982210
Conc: 130.81 ng/ml



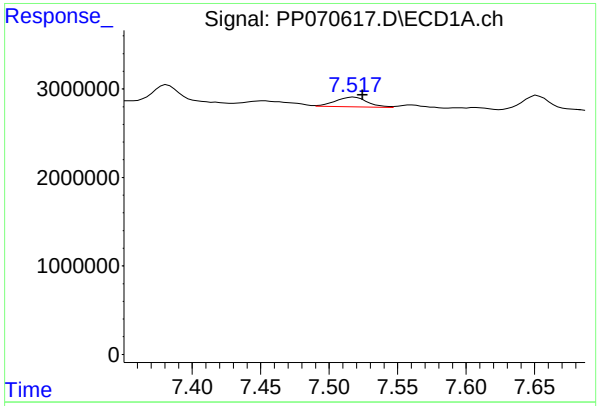

#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 1880012
Conc: 32.01 ng/ml




#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 2174921
Conc: 43.69 ng/ml



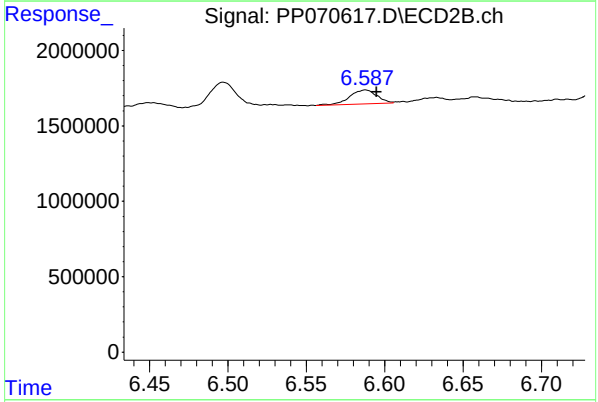

#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 mi
Response: 1805424
Conc: 22.01 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

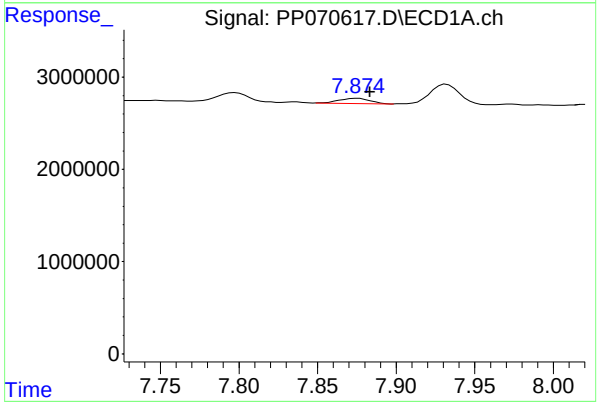
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



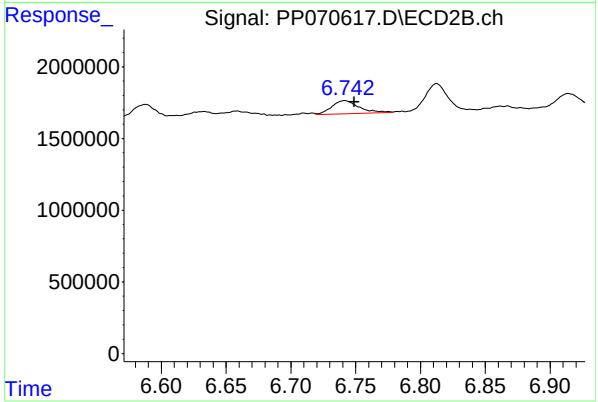

#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 1120810
Conc: 16.96 ng/ml



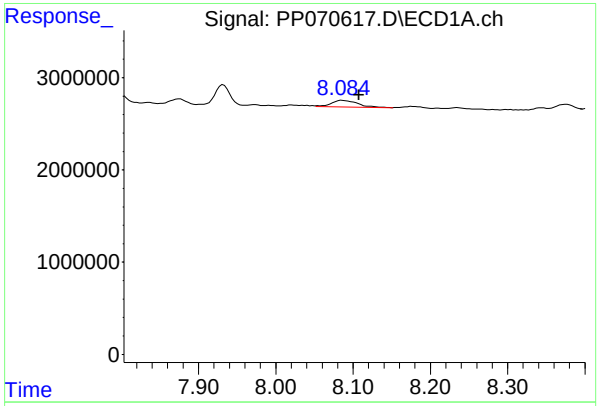

#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.008 min
Response: 789810
Conc: 12.01 ng/ml




#33 AR-1260-3

R.T.: 6.742 min
Delta R.T.: -0.008 min
Response: 1335553
Conc: 23.35 ng/ml m



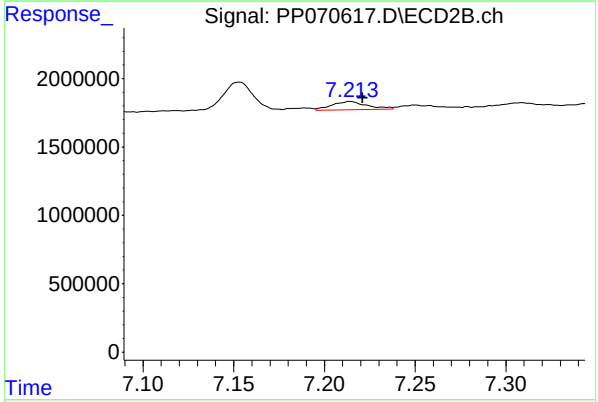

#34 AR-1260-4

R.T.: 8.085 min
Delta R.T.: -0.022 min
Response: 1664496
Conc: 25.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O34

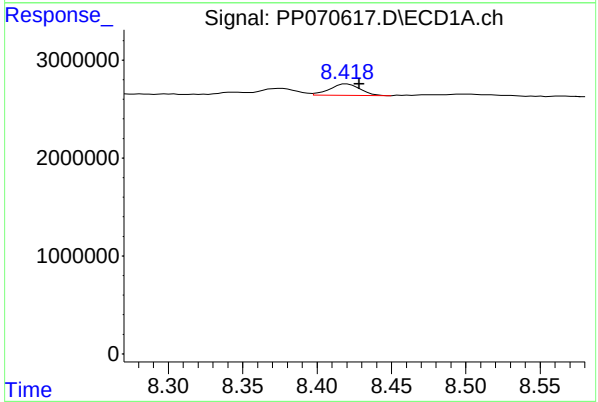
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



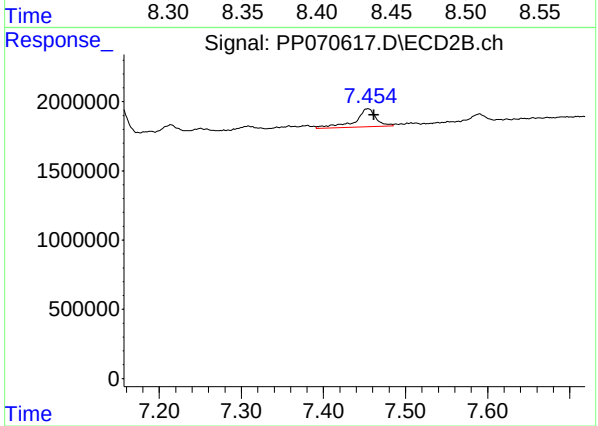

#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 832936
Conc: 16.28 ng/ml




#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.009 min
Response: 1673374
Conc: 12.24 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 2325359
Conc: 18.06 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O35 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-11 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 78 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070645.D | 1 | 03/17/25 08:35 | 03/18/25 10:14 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 21.8 | U | 5.10 | 21.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 21.8 | U | 5.20 | 21.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 21.8 | U | 4.80 | 21.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 21.8 | U | 5.10 | 21.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 25.5 | | 7.60 | 21.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 21.8 | U | 4.10 | 21.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 21.8 | U | 6.40 | 21.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 21.8 | U | 4.60 | 21.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 13.5 | J | 4.10 | 21.8 | ug/kg |
| Total PCBs | Total PCBs | 39.0 | | 11.7 | 21.8 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.2 | | 32 - 144 | 76% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.49 | | 32 - 175 | 37% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:14
Operator : YP\AJ
Sample : Q1573-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.528 | 3.826 | 20278275 | 15201686 | 13.037 | 15.167 |
| 2) | SA Decachlor... | 10.255 | 8.875 | 7648609 | 7323519 | 7.200 | 7.485 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.687 | 4.912 | 1497795 | 845292 | 43.852m | 36.007m |
| 22) | L5 AR-1248-2 | 5.953 | 5.151 | 2420329 | 1776147 | 57.020 | 56.740 |
| 23) | L5 AR-1248-3 | 6.155 | 5.193 | 2415771 | 1849042 | 52.348 | 58.290 |
| 24) | L5 AR-1248-4 | 6.552 | 5.366 | 3669013 | 2206824 | 63.268m | 56.624 |
| 25) | L5 AR-1248-5 | 6.592 | 5.760 | 4327923 | 3458486 | 80.613m | 90.806 |
| 31) | L7 AR-1260-1 | 7.274 | 6.403 | 2020387 | 2372701 | 34.396 | 47.660 # |
| 32) | L7 AR-1260-2 | 7.527 | 6.591 | 2820925 | 1975914 | 34.383 | 29.898 |
| 33) | L7 AR-1260-3 | 7.885 | 6.745 | 1401949 | 1981844 | 21.320 | 34.649m# |
| 34) | L7 AR-1260-4 | 8.109 | 7.217 | 2340760 | 1265066 | 35.823 | 24.726 # |
| 35) | L7 AR-1260-5 | 8.431 | 7.457 | 2251920 | 2748822 | 16.476 | 21.344 # |

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

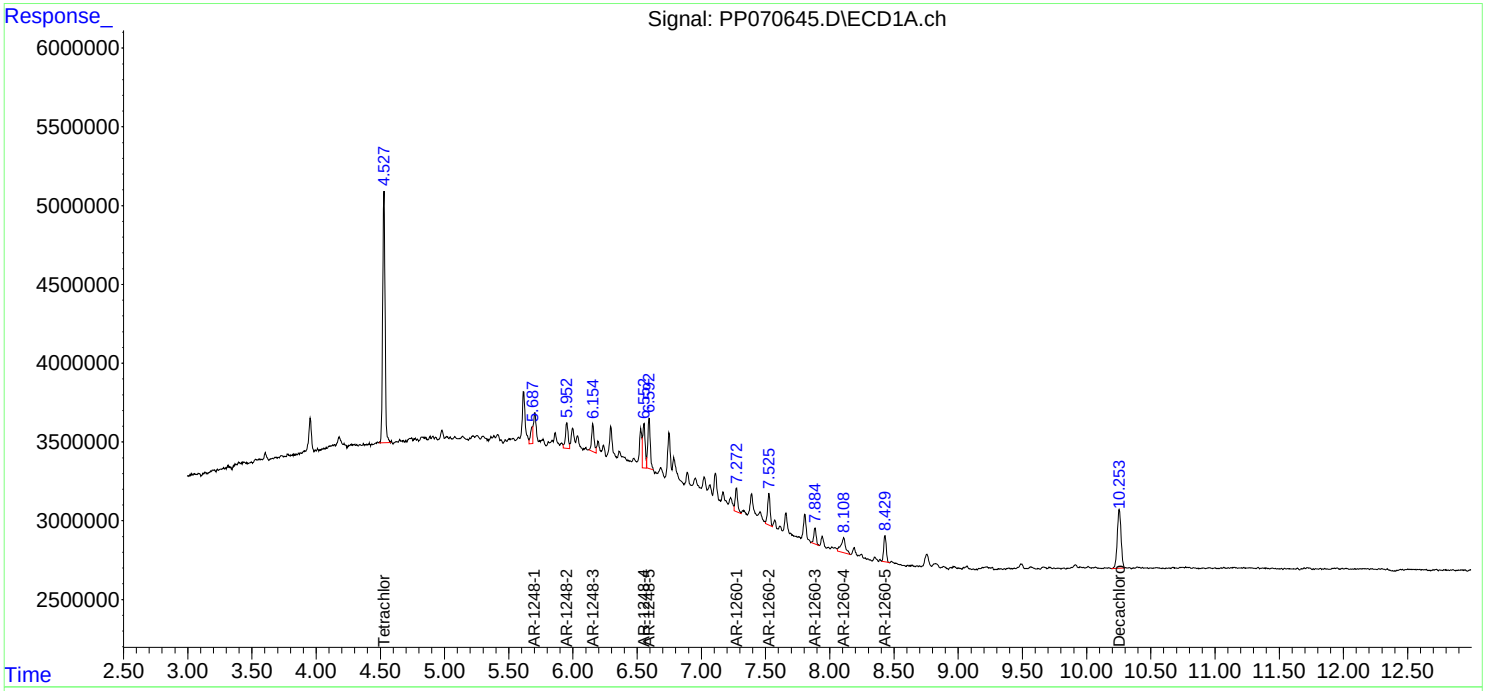
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070645.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 10:14
Operator : YP\AJ
Sample : Q1573-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

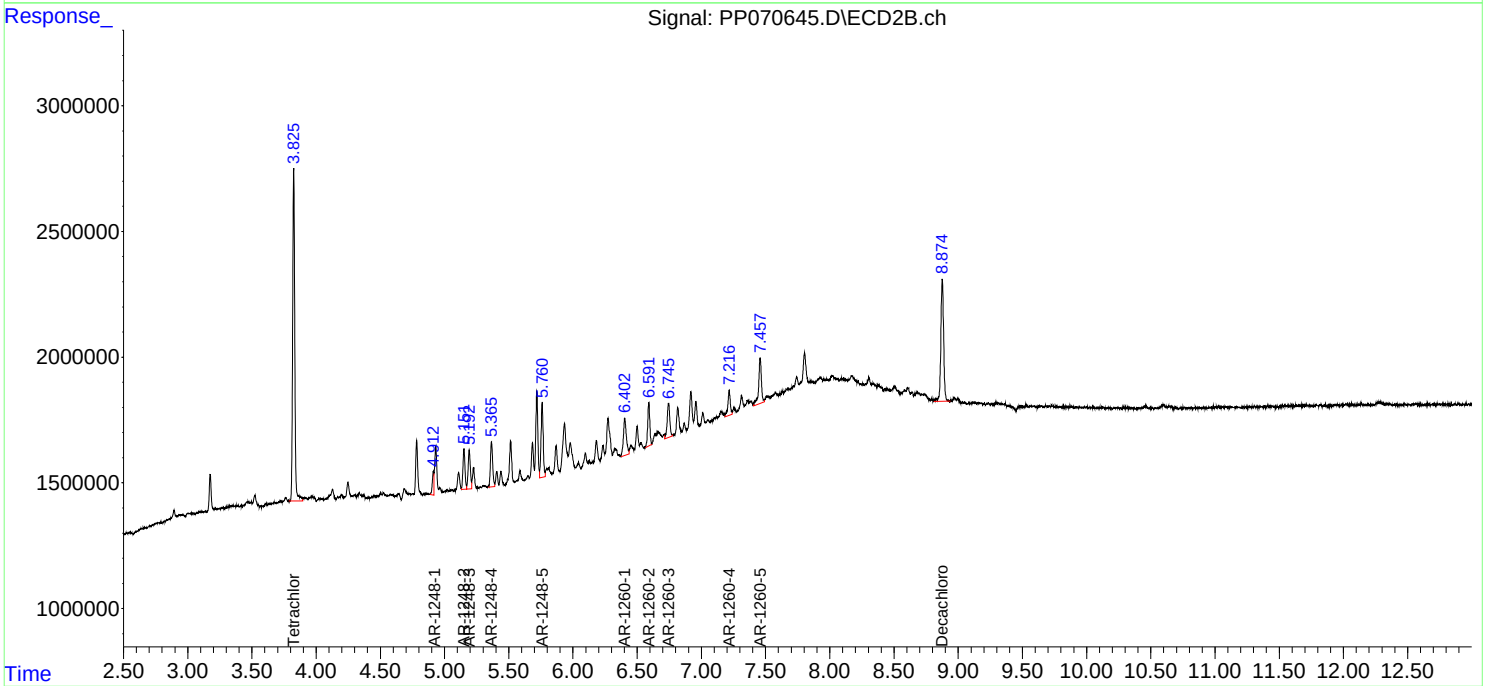
**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

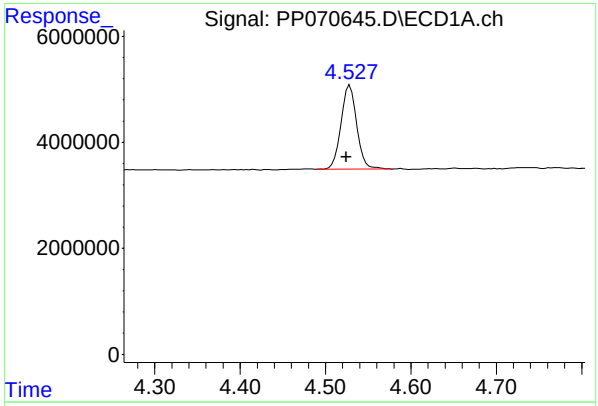
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:17:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





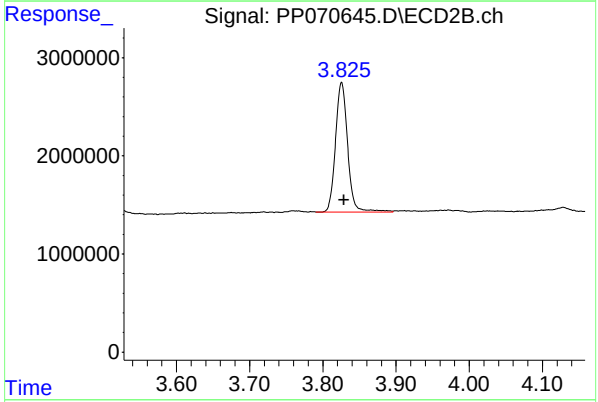

#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.004 min
Response: 20278275
Conc: 13.04 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

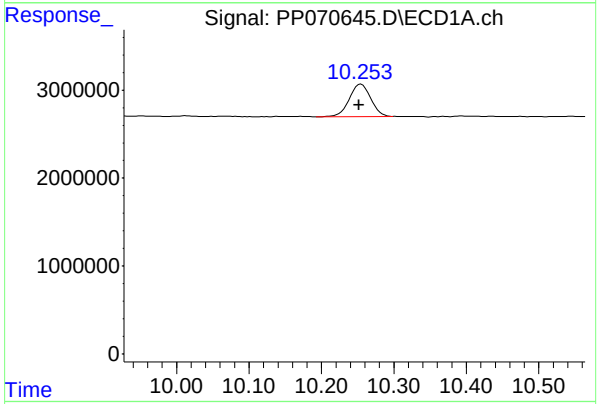
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



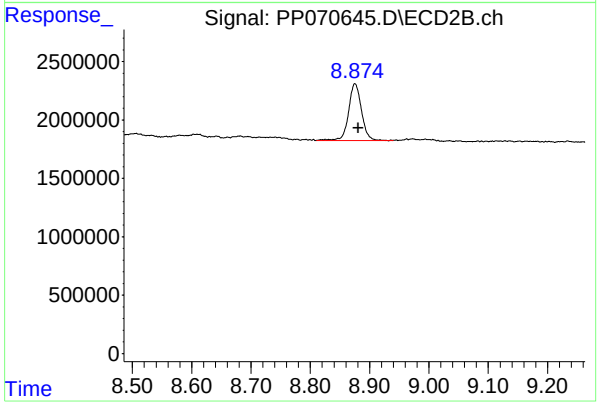

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 15201686
Conc: 15.17 ng/ml



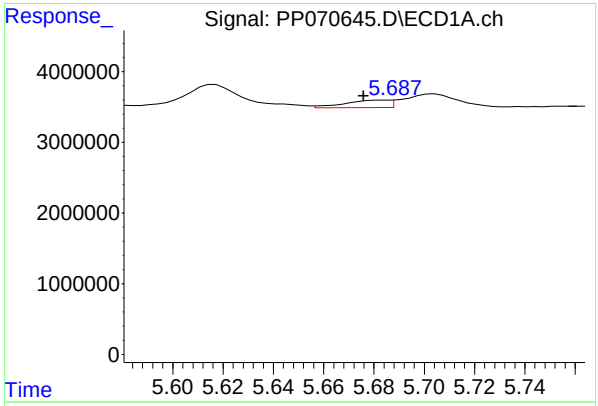

#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.003 min
Response: 7648609
Conc: 7.20 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.875 min
Delta R.T.: -0.006 min
Response: 7323519
Conc: 7.49 ng/ml



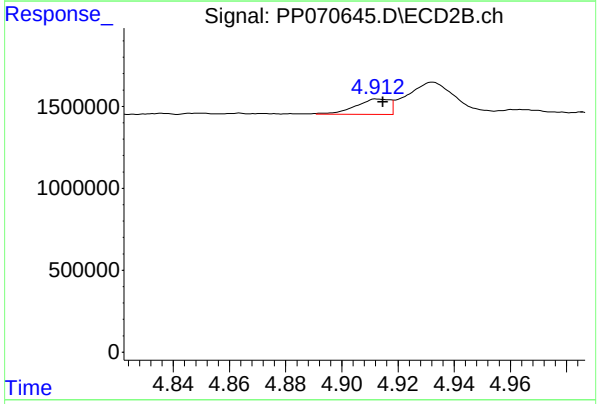

#21 AR-1248-1

R.T.: 5.687 min
Delta R.T.: 0.011 mi
Response: 1497795
Conc: 43.85 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

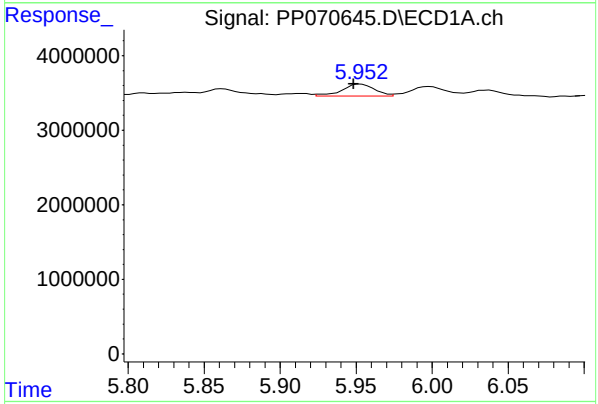
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



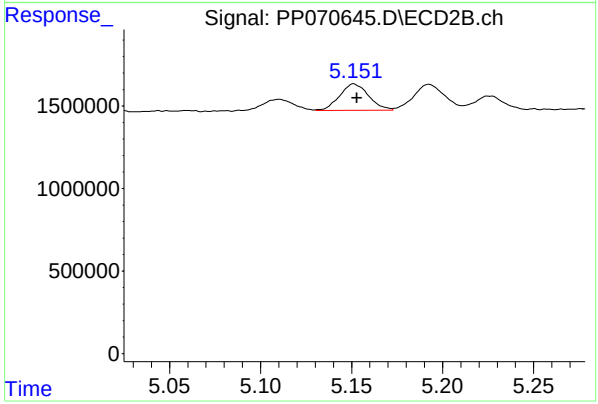

#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 845292
Conc: 36.01 ng/ml m



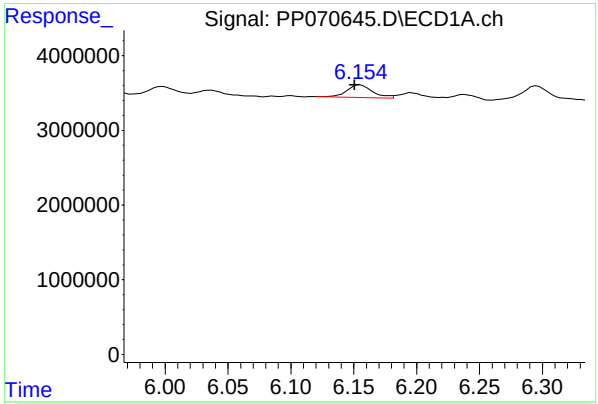

#22 AR-1248-2

R.T.: 5.953 min
Delta R.T.: 0.005 min
Response: 2420329
Conc: 57.02 ng/ml




#22 AR-1248-2

R.T.: 5.151 min
Delta R.T.: -0.002 min
Response: 1776147
Conc: 56.74 ng/ml



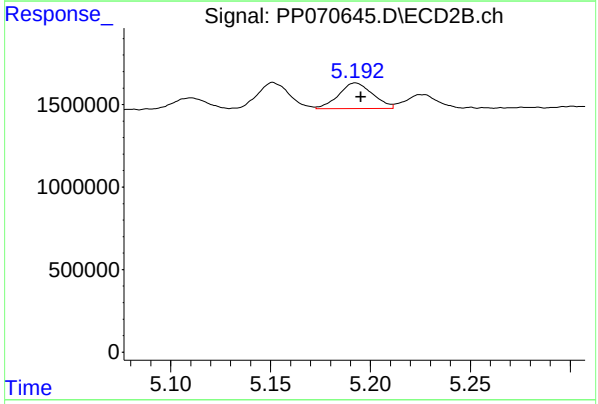

#23 AR-1248-3

R.T.: 6.155 min
Delta R.T.: 0.004 mi
Response: 2415771
Conc: 52.35 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

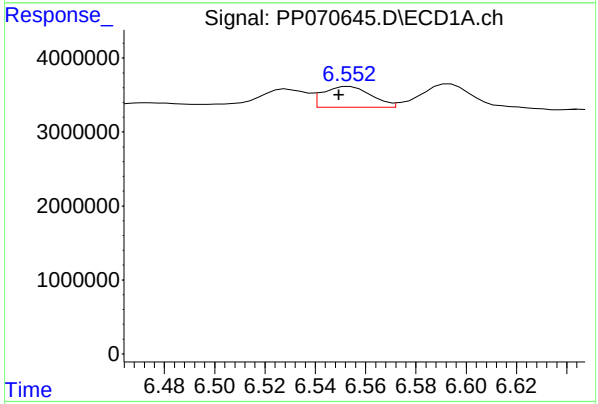
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



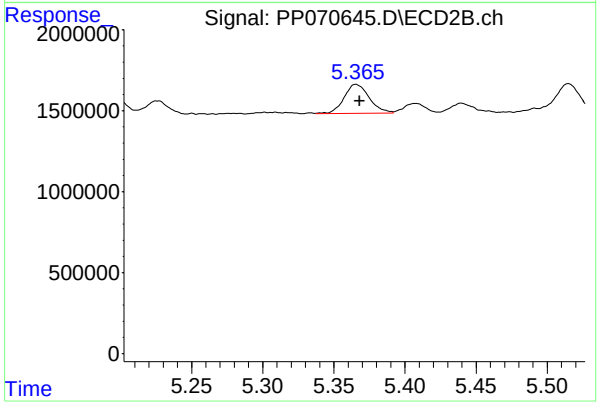

#23 AR-1248-3

R.T.: 5.193 min
Delta R.T.: -0.003 min
Response: 1849042
Conc: 58.29 ng/ml



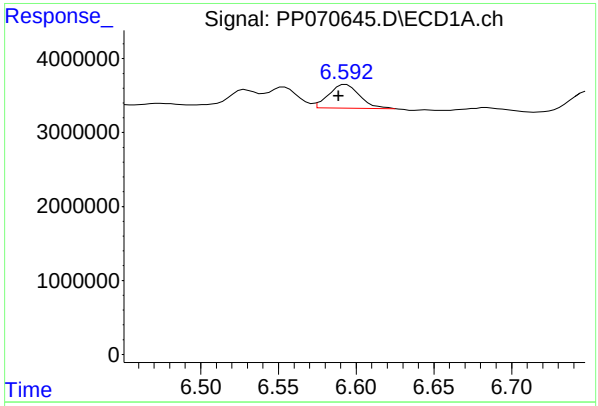

#24 AR-1248-4

R.T.: 6.552 min
Delta R.T.: 0.003 min
Response: 3669013
Conc: 63.27 ng/ml m




#24 AR-1248-4

R.T.: 5.366 min
Delta R.T.: -0.003 min
Response: 2206824
Conc: 56.62 ng/ml



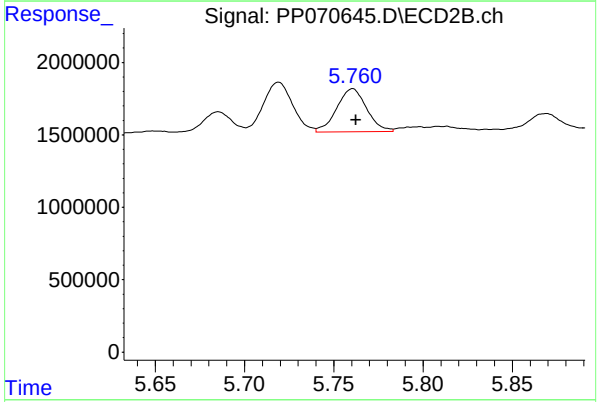

#25 AR-1248-5

R.T.: 6.592 min
Delta R.T.: 0.003 min
Response: 4327923
Conc: 80.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

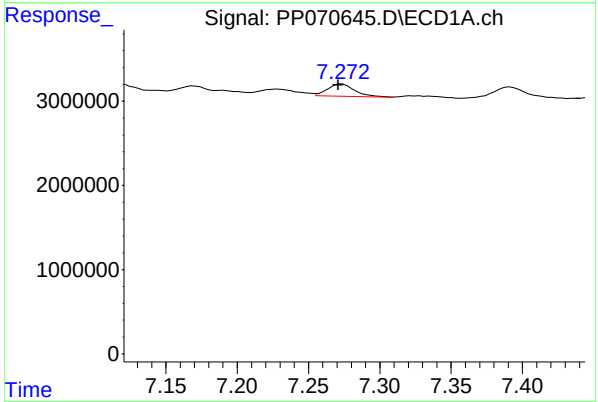
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



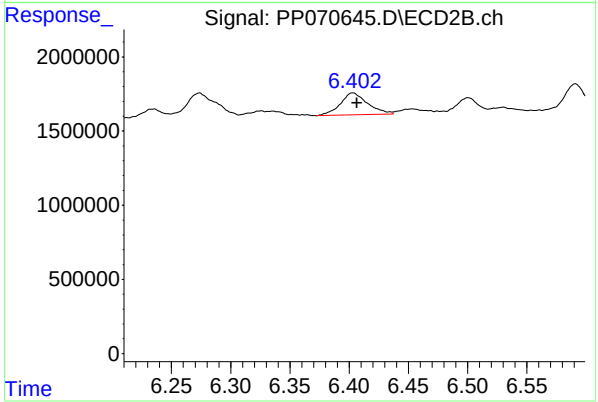

#25 AR-1248-5

R.T.: 5.760 min
Delta R.T.: -0.002 min
Response: 3458486
Conc: 90.81 ng/ml



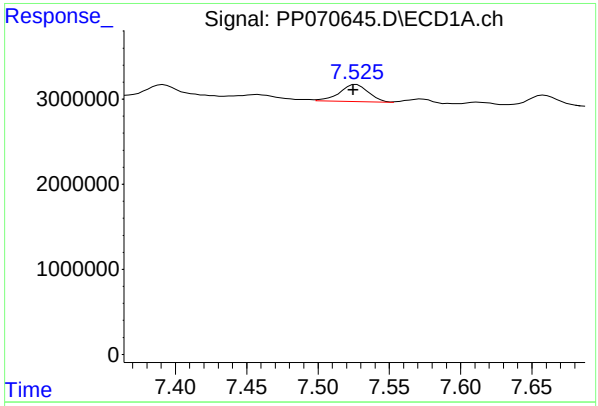

#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: 0.003 min
Response: 2020387
Conc: 34.40 ng/ml




#31 AR-1260-1

R.T.: 6.403 min
Delta R.T.: -0.004 min
Response: 2372701
Conc: 47.66 ng/ml



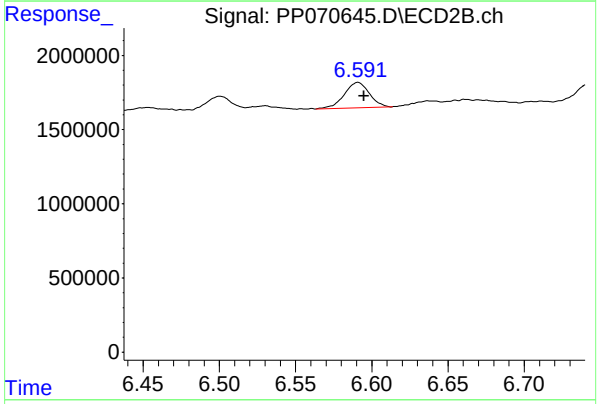

#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.002 mi
Response: 2820925
Conc: 34.38 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

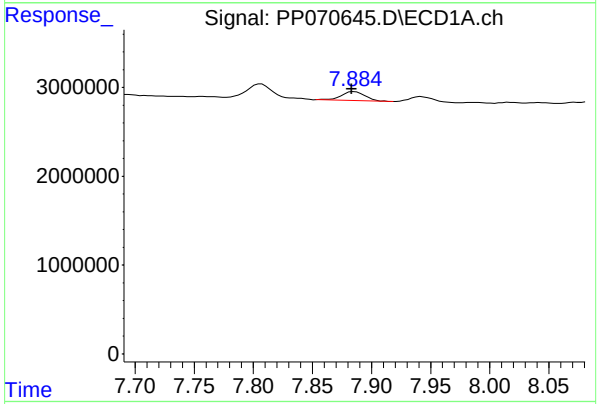
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



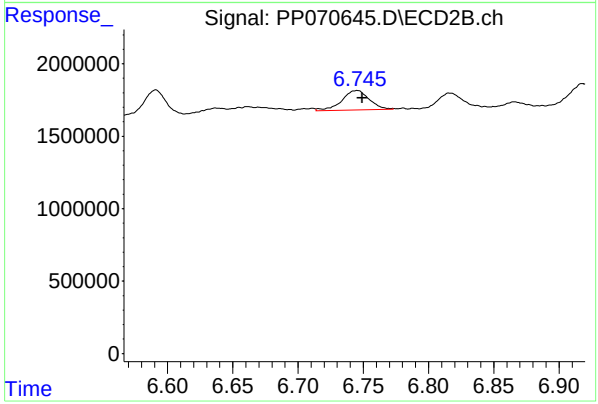

#32 AR-1260-2

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 1975914
Conc: 29.90 ng/ml



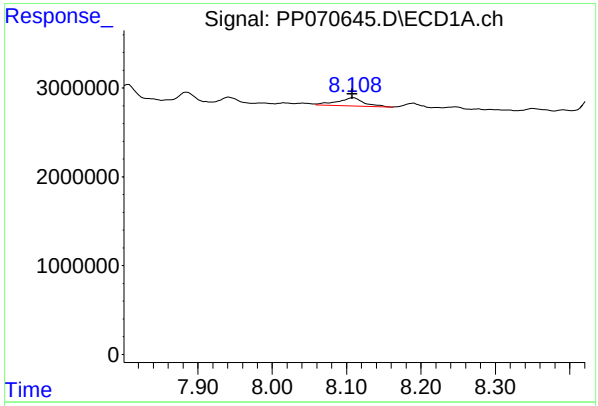

#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.002 min
Response: 1401949
Conc: 21.32 ng/ml




#33 AR-1260-3

R.T.: 6.745 min
Delta R.T.: -0.004 min
Response: 1981844
Conc: 34.65 ng/ml m



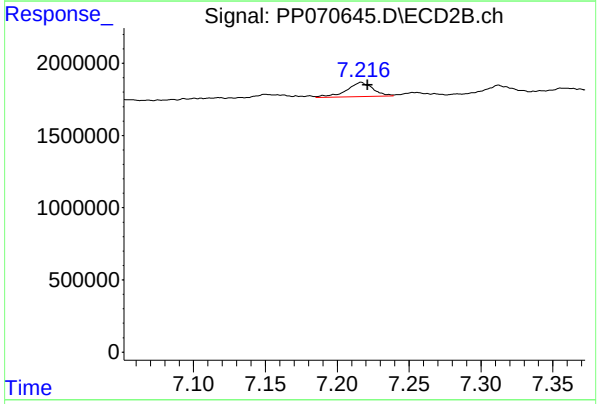

#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: 0.001 mi
Response: 2340760
Conc: 35.82 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0O35

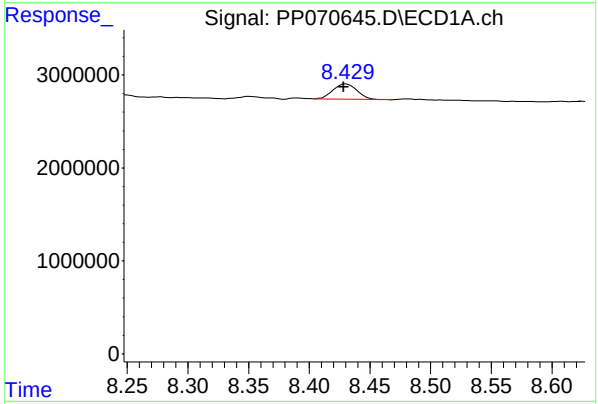
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



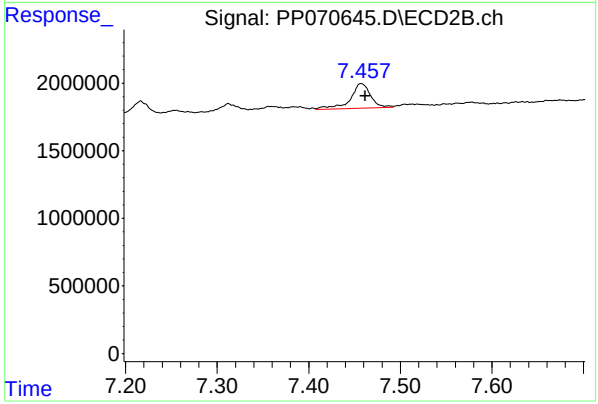

#34 AR-1260-4

R.T.: 7.217 min
Delta R.T.: -0.005 min
Response: 1265066
Conc: 24.73 ng/ml




#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.002 min
Response: 2251920
Conc: 16.48 ng/ml




#35 AR-1260-5

R.T.: 7.457 min
Delta R.T.: -0.004 min
Response: 2748822
Conc: 21.34 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/12/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC7 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-12 | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 980 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070629.D | 1 | 03/17/25 09:35 | 03/18/25 01:55 | PB167172 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.51 | U | 0.099 | 0.51 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.51 | U | 0.13 | 0.51 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.51 | U | 0.098 | 0.51 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.51 | U | 0.12 | 0.51 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.51 | U | 0.072 | 0.51 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.51 | U | 0.096 | 0.51 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.51 | U | 0.14 | 0.51 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.51 | U | 0.11 | 0.51 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.51 | U | 0.083 | 0.51 | ug/L |
| Total PCBs | Total PCBs | 0.51 | U | 0.14 | 0.51 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.1 | | 16 - 158 | 96% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 6.10 | | 10 - 173 | 31% | 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\PP031725\
Data File : PP070629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:55
Operator : YP\AJ
Sample : Q1573-12
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.823 | 28550439 | 19197344 | 18.356 | 19.154 |
| 2) | SA Decachlor... | 10.240 | 8.868 | 6211347 | 5972658 | 5.847 | 6.105 |
| | Target Compounds | | | | | | |

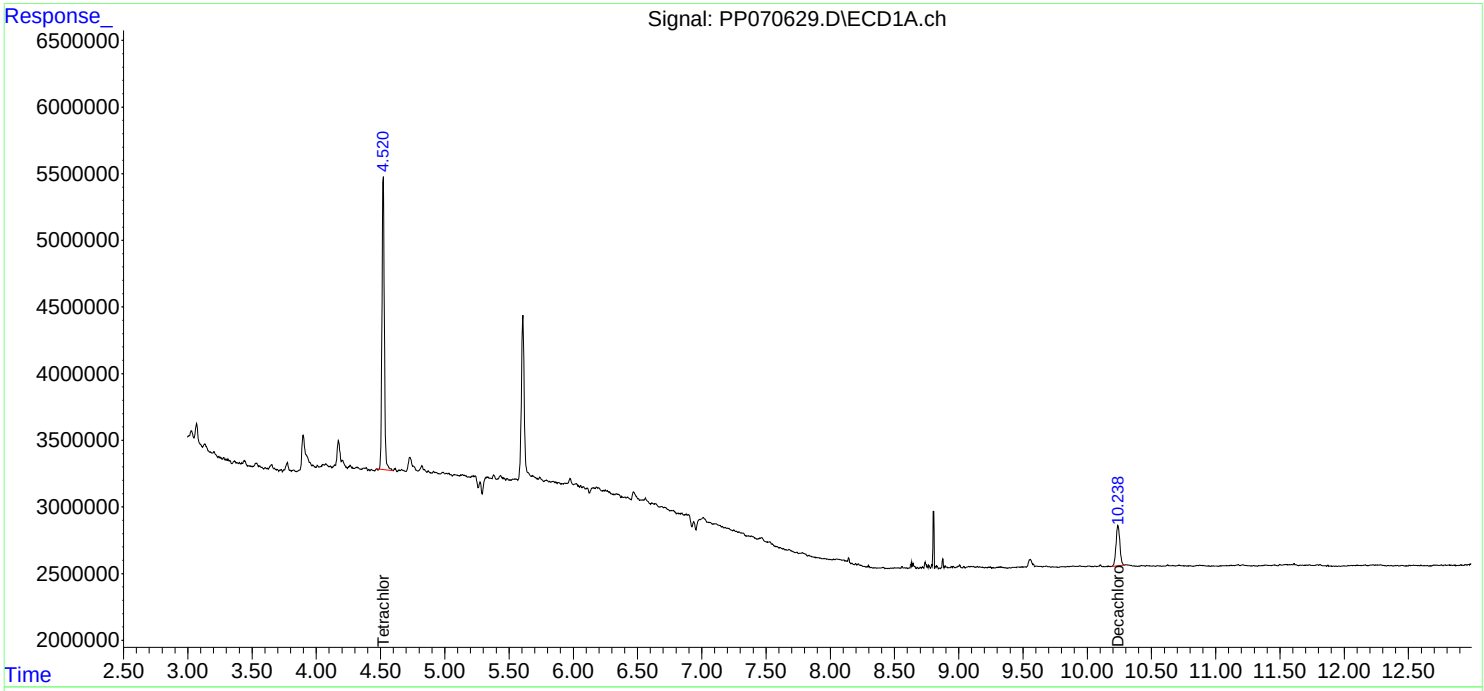
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

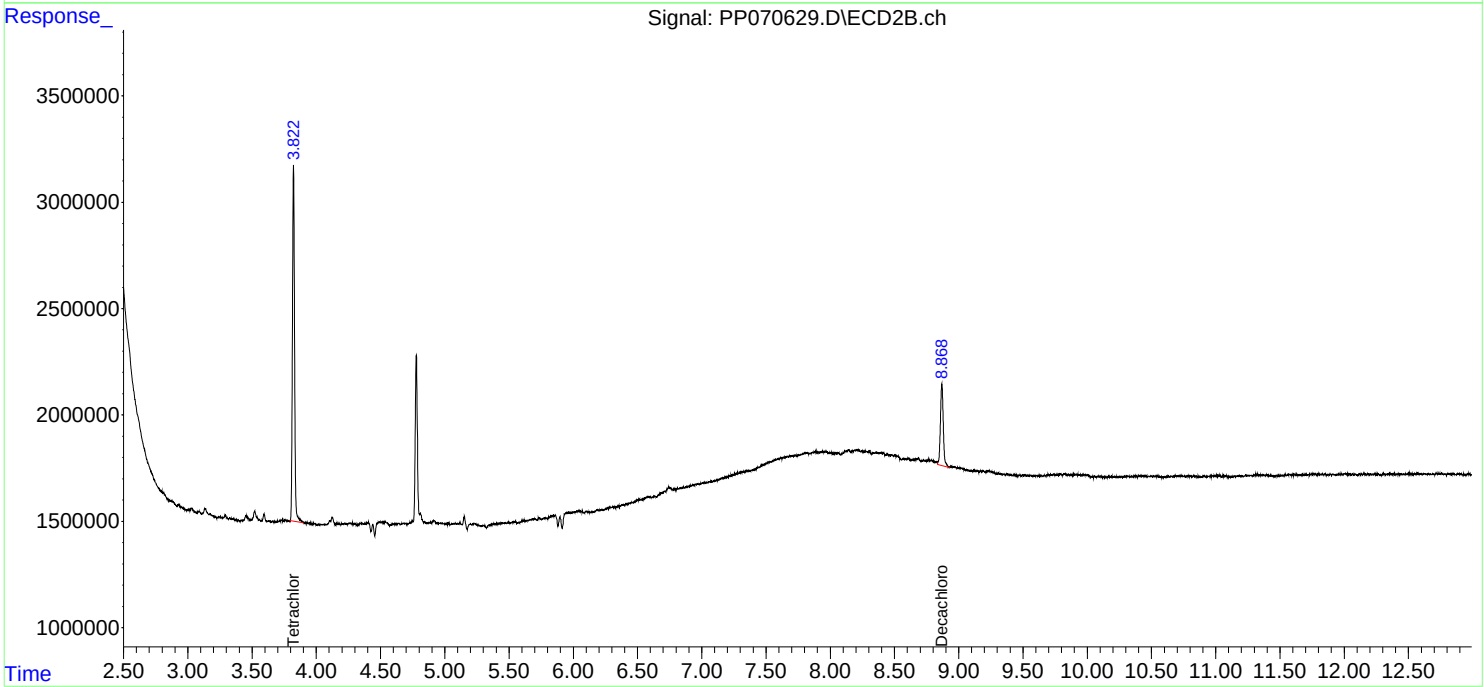
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:55
Operator : YP\AJ
Sample : Q1573-12
Misc :
ALS Vial : 42 Sample Multiplier: 1

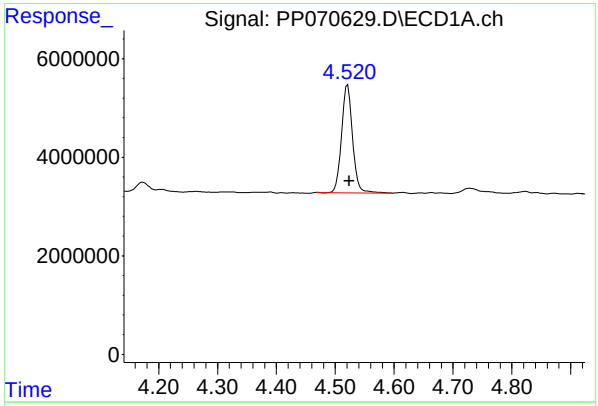
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



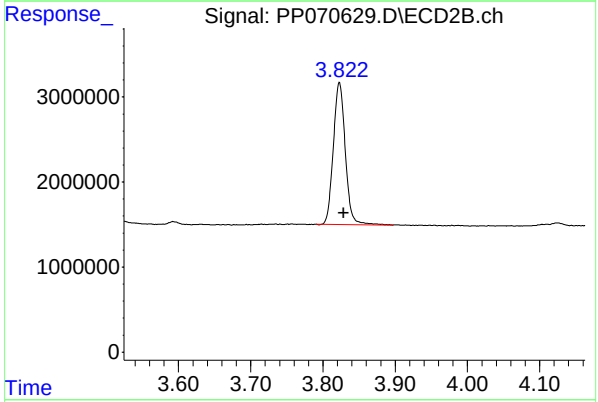






#1 Tetrachloro-m-xylene

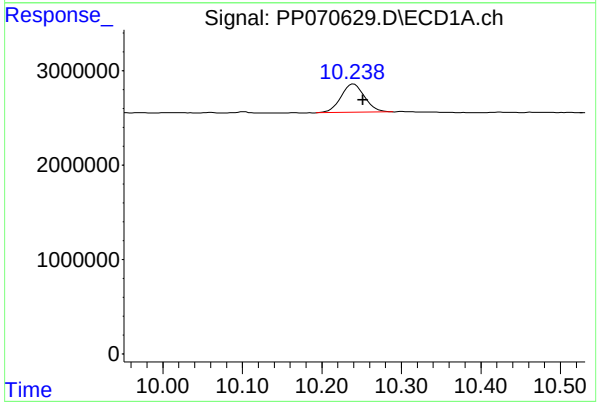
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 28550439
Conc: 18.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC7



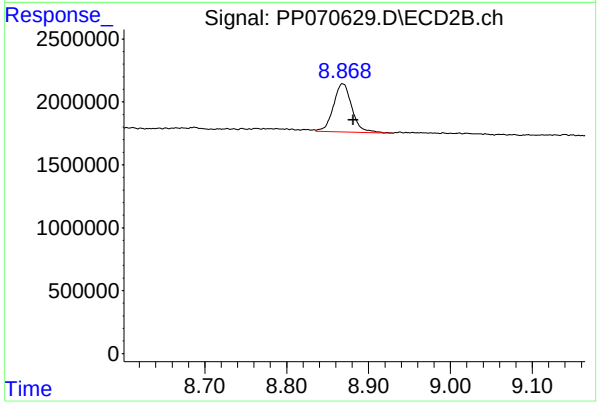

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 19197344
Conc: 19.15 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 6211347
Conc: 5.85 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 5972658
Conc: 6.10 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0O37 | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-13 | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 970 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070630.D | 1 | 03/17/25 09:35 | 03/18/25 02:11 | PB167172 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.52 | U | 0.10 | 0.52 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.52 | U | 0.13 | 0.52 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.52 | U | 0.099 | 0.52 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.52 | U | 0.12 | 0.52 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.52 | U | 0.073 | 0.52 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.52 | U | 0.097 | 0.52 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.52 | U | 0.14 | 0.52 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.52 | U | 0.11 | 0.52 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.52 | U | 0.084 | 0.52 | ug/L |
| Total PCBs | Total PCBs | 0.52 | U | 0.14 | 0.52 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15.3 | | 16 - 158 | 77% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 4.10 | | 10 - 173 | 21% | 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\PP031725\
Data File : PP070630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 02:11
Operator : YP\AJ
Sample : Q1573-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0O37

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.518 | 3.824 | 22076497 | 15350248 | 14.194 | 15.315 |
| 2) | SA Decachlor... | 10.239 | 8.870 | 4359155 | 3854341 | 4.103 | 3.940 |
| | Target Compounds | | | | | | |

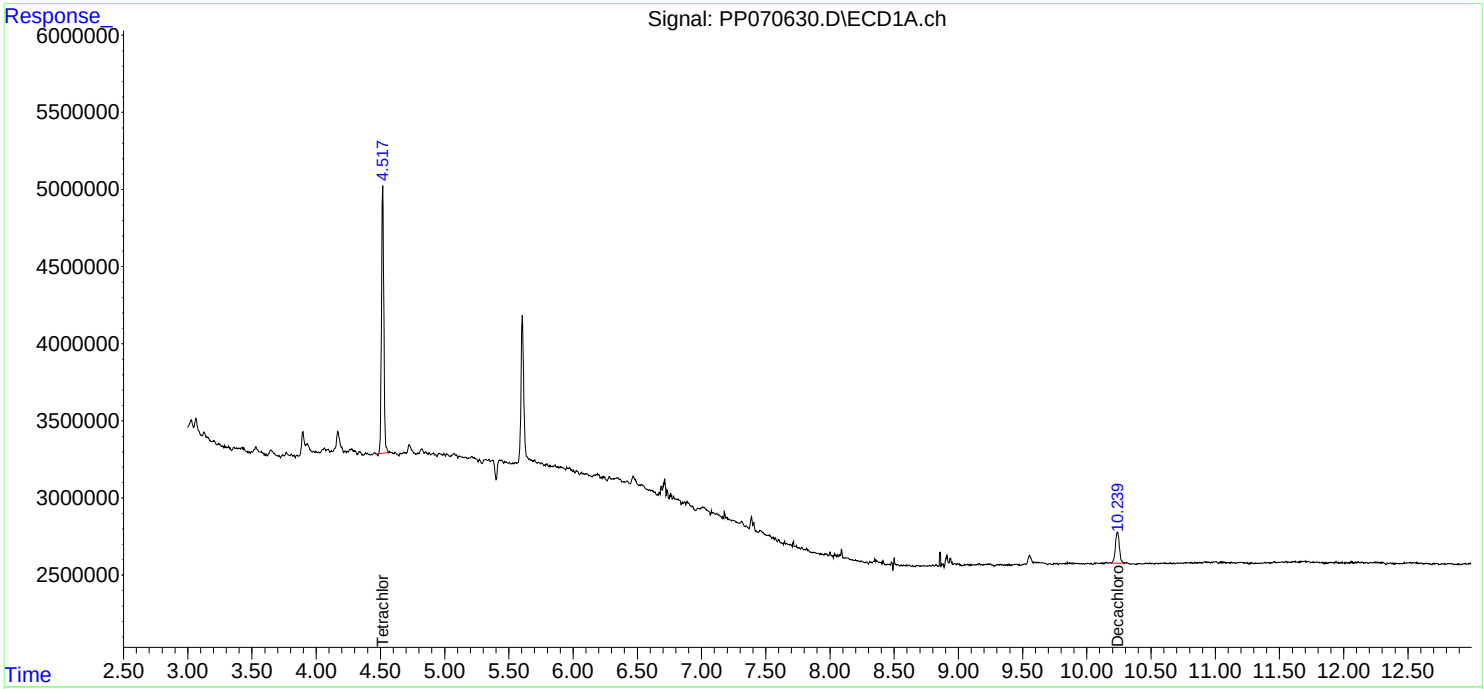
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

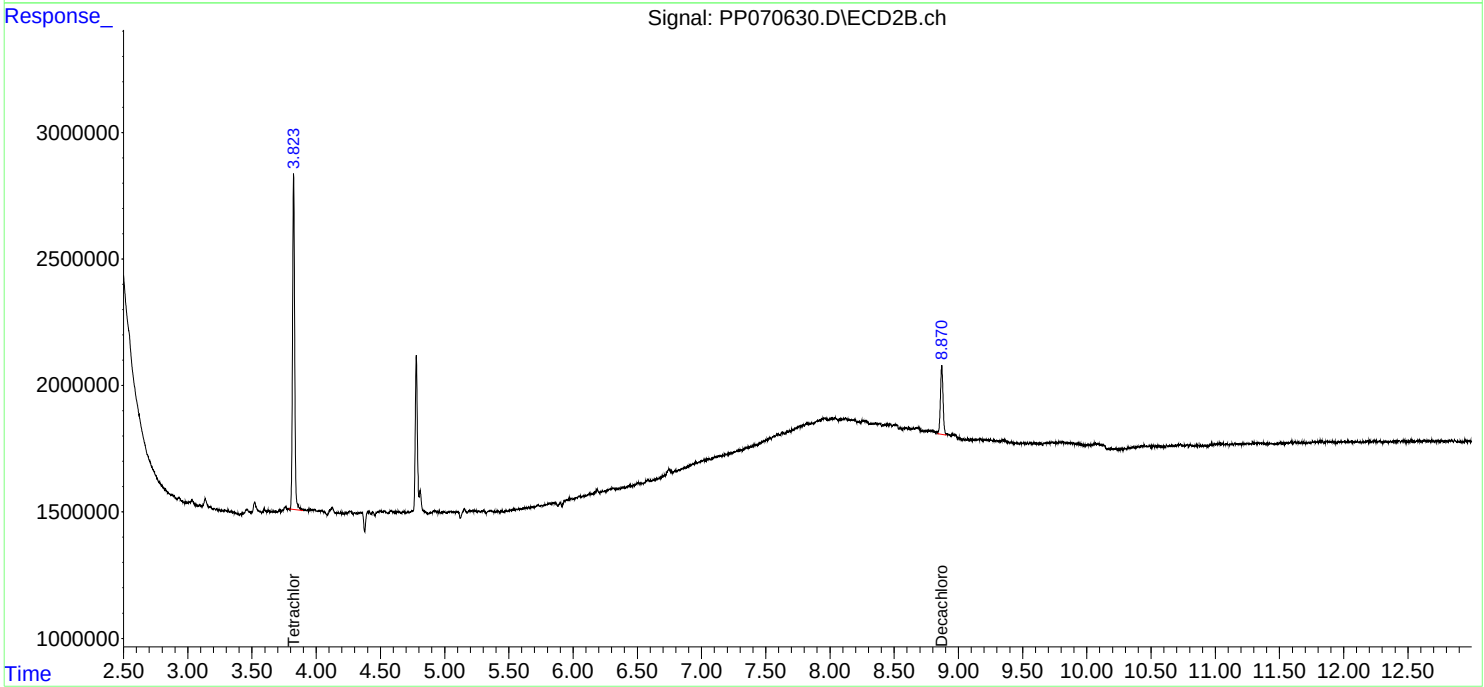
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 02:11
Operator : YP\AJ
Sample : Q1573-13
Misc :
ALS Vial : 43 Sample Multiplier: 1

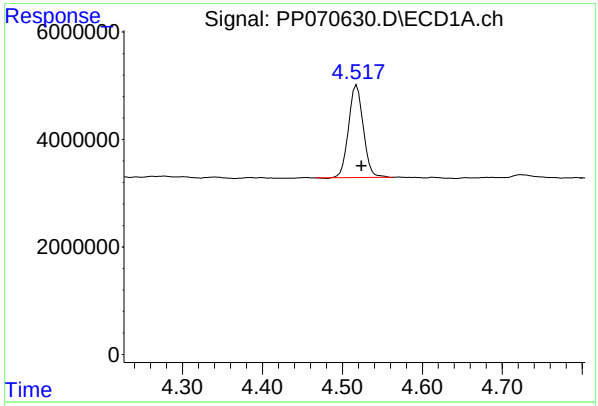
**Instrument :**
ECD_P
**ClientSampleId :**
C0O37

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:41:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



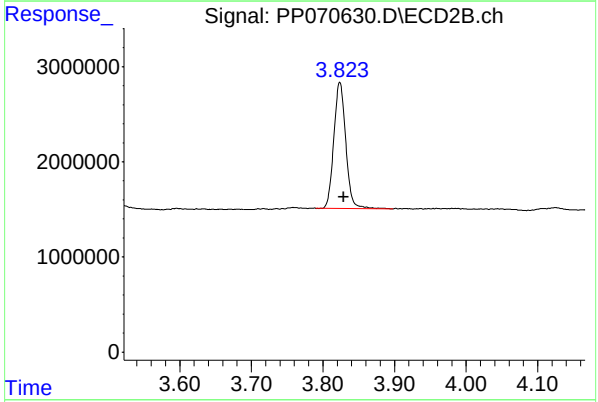






#1 Tetrachloro-m-xylene

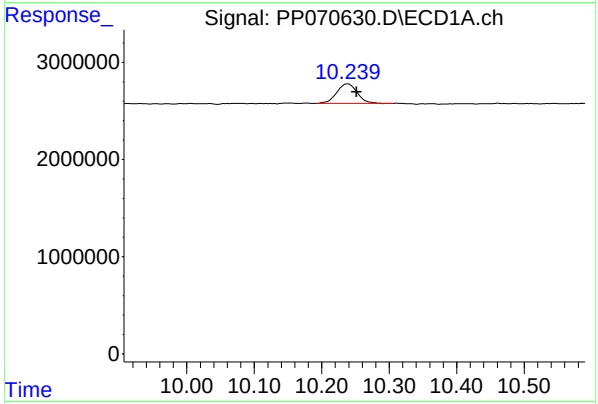
R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 22076497
Conc: 14.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0O37



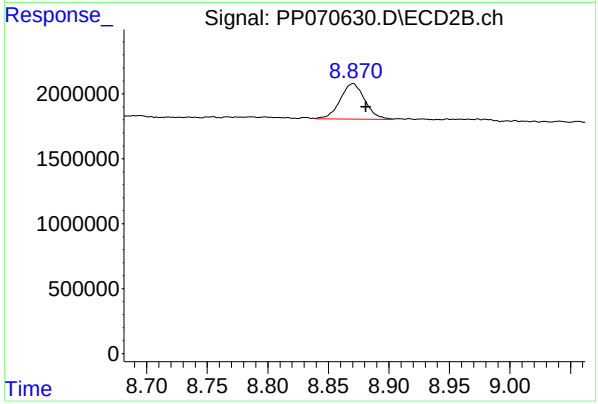

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 15350248
Conc: 15.32 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 4359155
Conc: 4.10 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 3854341
Conc: 3.94 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:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

**Calibration Times:** 15:13 23:38

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

**LAB FILE ID:** RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Aroclor-1016-2 | (2) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.66 | 5.86 |
| Aroclor-1016-4 | (4) | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.76 | 5.96 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.05 | 6.25 |
| Aroclor-1260-1 | (1) | 7.27 | 7.27 | 7.27 | 7.27 | 7.27 | 7.27 | 7.17 | 7.37 |
| Aroclor-1260-2 | (2) | 7.53 | 7.52 | 7.53 | 7.53 | 7.53 | 7.53 | 7.43 | 7.63 |
| Aroclor-1260-3 | (3) | 7.89 | 7.88 | 7.88 | 7.89 | 7.89 | 7.88 | 7.78 | 7.98 |
| Aroclor-1260-4 | (4) | 8.11 | 8.11 | 8.11 | 8.11 | 8.11 | 8.11 | 8.01 | 8.21 |
| Aroclor-1260-5 | (5) | 8.43 | 8.43 | 8.43 | 8.43 | 8.43 | 8.43 | 8.33 | 8.53 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.26 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.52 | 4.52 | 4.53 | 4.53 | 4.53 | 4.43 | 4.63 |
| Aroclor-1232-1 | (1) | 4.89 | 4.89 | 4.89 | 4.89 | 4.89 | 4.89 | 4.79 | 4.99 |
| Aroclor-1232-2 | (2) | 5.41 | 5.41 | 5.41 | 5.41 | 5.41 | 5.41 | 5.31 | 5.51 |
| Aroclor-1232-3 | (3) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1232-4 | (4) | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.76 | 5.96 |
| Aroclor-1232-5 | (5) | 5.95 | 5.95 | 5.95 | 5.95 | 5.94 | 5.95 | 5.85 | 6.05 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.25 | 10.26 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.53 | 4.43 | 4.63 |
| Aroclor-1242-1 | (1) | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Aroclor-1242-2 | (2) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1242-3 | (3) | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.66 | 5.86 |
| Aroclor-1242-4 | (4) | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.76 | 5.96 |
| Aroclor-1242-5 | (5) | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.53 | 4.53 | 4.52 | 4.53 | 4.53 | 4.43 | 4.63 |
| Aroclor-1248-1 | (1) | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.68 | 5.58 | 5.78 |
| Aroclor-1248-2 | (2) | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.95 | 5.85 | 6.05 |
| Aroclor-1248-3 | (3) | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.05 | 6.25 |
| Aroclor-1248-4 | (4) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1248-5 | (5) | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.52 | 4.52 | 4.52 | 4.52 | 4.52 | 4.42 | 4.62 |
| Aroclor-1254-1 | (1) | 6.53 | 6.53 | 6.53 | 6.52 | 6.53 | 6.53 | 6.43 | 6.63 |
| Aroclor-1254-2 | (2) | 6.74 | 6.74 | 6.75 | 6.74 | 6.74 | 6.74 | 6.64 | 6.84 |
| Aroclor-1254-3 | (3) | 7.11 | 7.11 | 7.11 | 7.10 | 7.11 | 7.11 | 7.01 | 7.21 |
| Aroclor-1254-4 | (4) | 7.39 | 7.39 | 7.39 | 7.39 | 7.39 | 7.39 | 7.29 | 7.49 |
| Aroclor-1254-5 | (5) | 7.81 | 7.81 | 7.81 | 7.80 | 7.81 | 7.81 | 7.71 | 7.91 |

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Fax : 908 789 8922

**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.52 | 4.53 | 4.52 | 4.53 | 4.53 | 4.43 | 4.63 |
| Aroclor-1268-1 | (1) | 8.75 | 8.74 | 8.74 | 8.74 | 8.75 | 8.74 | 8.64 | 8.84 |
| Aroclor-1268-2 | (2) | 8.84 | 8.84 | 8.83 | 8.83 | 8.84 | 8.84 | 8.74 | 8.94 |
| Aroclor-1268-3 | (3) | 9.07 | 9.07 | 9.07 | 9.07 | 9.07 | 9.07 | 8.97 | 9.17 |
| Aroclor-1268-4 | (4) | 9.49 | 9.49 | 9.49 | 9.49 | 9.49 | 9.49 | 9.39 | 9.59 |
| Aroclor-1268-5 | (5) | 9.91 | 9.91 | 9.90 | 9.91 | 9.91 | 9.91 | 9.81 | 10.01 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | | 4.53 | 4.53 | 4.52 | 4.52 | 4.53 | 4.53 | 4.43 | 4.63 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

**Calibration Times:** 15:13 23:38

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

**LAB FILE ID:** RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1016-2 | (2) | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.84 | 5.04 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.01 | 5.21 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.05 | 5.25 |
| Aroclor-1016-5 | (5) | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.27 | 5.47 |
| Aroclor-1260-1 | (1) | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 | 6.41 | 6.31 | 6.51 |
| Aroclor-1260-2 | (2) | 6.59 | 6.59 | 6.60 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Aroclor-1260-3 | (3) | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.75 | 6.65 | 6.85 |
| Aroclor-1260-4 | (4) | 7.22 | 7.22 | 7.22 | 7.22 | 7.22 | 7.22 | 7.12 | 7.32 |
| Aroclor-1260-5 | (5) | 7.46 | 7.46 | 7.46 | 7.46 | 7.46 | 7.46 | 7.36 | 7.56 |
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1232-1 | (1) | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.10 | 4.30 |
| Aroclor-1232-2 | (2) | 4.94 | 4.94 | 4.94 | 4.94 | 4.93 | 4.94 | 4.84 | 5.04 |
| Aroclor-1232-3 | (3) | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.01 | 5.21 |
| Aroclor-1232-4 | (4) | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.10 | 5.30 |
| Aroclor-1232-5 | (5) | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.27 | 5.47 |
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1242-1 | (1) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1242-2 | (2) | 4.94 | 4.94 | 4.94 | 4.94 | 4.93 | 4.94 | 4.84 | 5.04 |
| Aroclor-1242-3 | (3) | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.11 | 5.01 | 5.21 |
| Aroclor-1242-4 | (4) | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.10 | 5.30 |
| Aroclor-1242-5 | (5) | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.62 | 5.82 |
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1248-1 | (1) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1248-2 | (2) | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.15 | 5.05 | 5.25 |
| Aroclor-1248-3 | (3) | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.20 | 5.10 | 5.30 |
| Aroclor-1248-4 | (4) | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.27 | 5.47 |
| Aroclor-1248-5 | (5) | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | 5.66 | 5.86 |
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1254-1 | (1) | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.62 | 5.82 |
| Aroclor-1254-2 | (2) | 5.87 | 5.87 | 5.87 | 5.87 | 5.87 | 5.87 | 5.77 | 5.97 |
| Aroclor-1254-3 | (3) | 6.28 | 6.28 | 6.27 | 6.27 | 6.28 | 6.28 | 6.18 | 6.38 |
| Aroclor-1254-4 | (4) | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.40 | 6.60 |
| Aroclor-1254-5 | (5) | 6.92 | 6.92 | 6.92 | 6.92 | 6.92 | 6.92 | 6.82 | 7.02 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1268-1 | (1) | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.64 | 7.84 |
| Aroclor-1268-2 | (2) | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.71 | 7.91 |
| Aroclor-1268-3 | (3) | 8.02 | 8.02 | 8.02 | 8.01 | 8.01 | 8.02 | 7.92 | 8.12 |
| Aroclor-1268-4 | (4) | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.21 | 8.41 |
| Aroclor-1268-5 | (5) | 8.61 | 8.61 | 8.61 | 8.61 | 8.61 | 8.61 | 8.51 | 8.71 |
| Decachlorobiphenyl | | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

**Calibration Times:** 15:13 23:38

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

**LAB FILE ID:** **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

**CF 500 =** PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 46284919 | 48624555 | 51195480 | 56320148 | 56830900 | 51851200 | 9 |
| Aroclor-1016-2 | (2) | 68727144 | 72260815 | 75092688 | 79473188 | 62170340 | 71544835 | 9 |
| Aroclor-1016-3 | (3) | 41881157 | 43836071 | 46346194 | 49629608 | 45996640 | 45537934 | 6 |
| Aroclor-1016-4 | (4) | 34693414 | 37117197 | 39579046 | 42287028 | 41512180 | 39037773 | 8 |
| Aroclor-1016-5 | (5) | 32535779 | 33720589 | 35503344 | 36571056 | 34779300 | 34622014 | 5 |
| Aroclor-1260-1 | (1) | 55067637 | 58265401 | 60660348 | 63250936 | 56446720 | 58738208 | 6 |
| Aroclor-1260-2 | (2) | 75483004 | 79277409 | 82983970 | 87347188 | 85123440 | 82043002 | 6 |
| Aroclor-1260-3 | (3) | 62678610 | 64989695 | 68010270 | 70682128 | 62427680 | 65757677 | 5 |
| Aroclor-1260-4 | (4) | 60990738 | 64683661 | 66152948 | 69503548 | 65382940 | 65342767 | 5 |
| Aroclor-1260-5 | (5) | 130557968 | 135103443 | 140419232 | 146528904 | 130778620 | 136677633 | 5 |
| Decachlorobiphenyl | | 1005446690 | 1044219213 | 1084386360 | 1134008440 | 1043654800 | 1062343101 | 5 |
| Tetrachloro-m-xylene | | 1462968010 | 1529300040 | 1575427920 | 1661278640 | 1547936200 | 1555382162 | 5 |
| Aroclor-1232-1 | (1) | 31812517 | 33409335 | 34815870 | 38072588 | 39676960 | 35557454 | 9 |
| Aroclor-1232-2 | (2) | 16331114 | 17367928 | 17709532 | 17293972 | 15638140 | 16868137 | 5 |
| Aroclor-1232-3 | (3) | 33685372 | 35206453 | 37651060 | 39178940 | 37126640 | 36569693 | 6 |
| Aroclor-1232-4 | (4) | 17112653 | 18207945 | 18881288 | 20579940 | 20189680 | 18994301 | 8 |
| Aroclor-1232-5 | (5) | 12358074 | 13019340 | 13596998 | 11696560 | 14140280 | 12962250 | 7 |
| Decachlorobiphenyl | | 1007346640 | 1061633867 | 1110112680 | 1150608440 | 1055455400 | 1077031405 | 5 |
| Tetrachloro-m-xylene | | 1503870440 | 1587673493 | 1628432540 | 1684437880 | 1564380200 | 1593758911 | 4 |
| Aroclor-1242-1 | (1) | 39253435 | 41704367 | 43482132 | 47856472 | 49946320 | 44448545 | 10 |
| Aroclor-1242-2 | (2) | 58252556 | 60113944 | 62228844 | 66050560 | 60258320 | 61380845 | 5 |
| Aroclor-1242-3 | (3) | 35362447 | 36380501 | 38652894 | 41645404 | 33464760 | 37101201 | 9 |
| Aroclor-1242-4 | (4) | 29479509 | 30833784 | 32552722 | 35082164 | 32717220 | 32133080 | 7 |
| Aroclor-1242-5 | (5) | 29991669 | 31404576 | 32011208 | 32699504 | 29130640 | 31047519 | 5 |
| Decachlorobiphenyl | | 1017143570 | 1063398627 | 1098678020 | 1146617040 | 1019213600 | 1069010171 | 5 |
| Tetrachloro-m-xylene | | 1483500490 | 1538532373 | 1587702840 | 1655080400 | 1578490200 | 1568661261 | 4 |
| Aroclor-1248-1 | (1) | 30241509 | 31836707 | 34371560 | 37879708 | 36450300 | 34155957 | 9 |
| Aroclor-1248-2 | (2) | 39839483 | 41732589 | 44072986 | 47187728 | 39403540 | 42447265 | 8 |
| Aroclor-1248-3 | (3) | 43671743 | 45535401 | 47272778 | 48829472 | 45433820 | 46148643 | 4 |
| Aroclor-1248-4 | (4) | 52673121 | 54800967 | 57547552 | 61348180 | 63586480 | 57991260 | 8 |
| Aroclor-1248-5 | (5) | 49495855 | 52225937 | 54279376 | 57435820 | 54999800 | 53687358 | 6 |
| Decachlorobiphenyl | | 1018745530 | 1065079280 | 1110066380 | 1164168240 | 1044426200 | 1080497126 | 5 |
| Tetrachloro-m-xylene | | 1464367110 | 1509550200 | 1593080400 | 1654989520 | 1637278400 | 1571853126 | 5 |
| Aroclor-1254-1 | (1) | 52191144 | 54776691 | 58408862 | 62528540 | 58393680 | 57259783 | 7 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1254-2 | (2) | 76163232 | 79292283 | 83746208 | 89006644 | 77052340 | 81052141 | 7 |
| Aroclor-1254-3 | (3) | 78867294 | 81324341 | 86343146 | 90140028 | 84184220 | 84171806 | 5 |
| Aroclor-1254-4 | (4) | 65665428 | 68036704 | 71633390 | 75767876 | 69582520 | 70137184 | 5 |
| Aroclor-1254-5 | (5) | 65604720 | 67856063 | 71049052 | 74607116 | 70169360 | 69857262 | 5 |
| Decachlorobiphenyl | | 1051774640 | 1084735960 | 1131757040 | 1190025520 | 1071423800 | 1105943392 | 5 |
| Tetrachloro-m-xylene | | 1491401080 | 1547951320 | 1596952960 | 1679816880 | 1638007800 | 1590826008 | 5 |
| Aroclor-1268-1 | (1) | 188529701 | 191493623 | 201496426 | 211079324 | 198399040 | 198199623 | 4 |
| Aroclor-1268-2 | (2) | 162712211 | 165423828 | 173208520 | 180425992 | 166812140 | 169716538 | 4 |
| Aroclor-1268-3 | (3) | 139964894 | 142620983 | 149835492 | 155687892 | 143563980 | 146334648 | 4 |
| Aroclor-1268-4 | (4) | 62601215 | 63262983 | 66177076 | 67604984 | 59759620 | 63881176 | 5 |
| Aroclor-1268-5 | (5) | 401160937 | 407647449 | 423231624 | 443337256 | 421401480 | 419355749 | 4 |
| Decachlorobiphenyl | | 1797305300 | 1841882720 | 1928545440 | 2018232880 | 1865263000 | 1890245868 | 5 |
| Tetrachloro-m-xylene | | 1559644910 | 1556664040 | 1644040220 | 1708675120 | 1710882200 | 1635981298 | 5 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

**Calibration Times:** 15:13 23:38

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

**LAB FILE ID:** **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

**CF 500 =** PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 31619052 | 35012463 | 36116294 | 39457560 | 37557300 | 35952534 | 8 |
| Aroclor-1016-2 | (2) | 44662617 | 48866077 | 51001758 | 55603496 | 59699380 | 51966666 | 11 |
| Aroclor-1016-3 | (3) | 24906943 | 27191785 | 28703256 | 30683884 | 30781120 | 28453398 | 9 |
| Aroclor-1016-4 | (4) | 19770953 | 21670935 | 22902960 | 24389748 | 23214920 | 22389903 | 8 |
| Aroclor-1016-5 | (5) | 25646269 | 27397575 | 29268330 | 32409960 | 33872260 | 29718879 | 11 |
| Aroclor-1260-1 | (1) | 45267436 | 47641613 | 50061678 | 53643092 | 52308080 | 49784380 | 7 |
| Aroclor-1260-2 | (2) | 60652513 | 64073769 | 66616364 | 70066968 | 69027800 | 66087483 | 6 |
| Aroclor-1260-3 | (3) | 52248928 | 55432315 | 57823148 | 61011000 | 59471320 | 57197342 | 6 |
| Aroclor-1260-4 | (4) | 47067710 | 49841909 | 53961982 | 55559372 | 49386640 | 51163523 | 7 |
| Aroclor-1260-5 | (5) | 123950775 | 130046140 | 135804906 | 136761852 | 117362580 | 128785251 | 6 |
| Decachlorobiphenyl | | 935400030 | 944501173 | 996009380 | 1027099200 | 988797000 | 978361357 | 4 |
| Tetrachloro-m-xylene | | 901898260 | 976425347 | 1019517980 | 1052535320 | 1061027800 | 1002280941 | 7 |
| Aroclor-1232-1 | (1) | 23977464 | 25043855 | 25876362 | 28218616 | 28432280 | 26309715 | 7 |
| Aroclor-1232-2 | (2) | 23409194 | 24148587 | 25178540 | 27689696 | 28634420 | 25812087 | 9 |
| Aroclor-1232-3 | (3) | 12864968 | 13117912 | 13753150 | 14320588 | 15988100 | 14008944 | 9 |
| Aroclor-1232-4 | (4) | 10909254 | 11094221 | 11677434 | 12331552 | 12548800 | 11712252 | 6 |
| Aroclor-1232-5 | (5) | 12122932 | 12663212 | 13051746 | 13538632 | 13963480 | 13068000 | 6 |
| Decachlorobiphenyl | | 923591970 | 934486067 | 965069440 | 1131453800 | 1083832600 | 1007686775 | 9 |
| Tetrachloro-m-xylene | | 981294310 | 1023698747 | 1027014040 | 1102661240 | 1188146200 | 1064562907 | 8 |
| Aroclor-1242-1 | (1) | 28374294 | 28991207 | 30174104 | 32528448 | 32989020 | 30611415 | 7 |
| Aroclor-1242-2 | (2) | 40120133 | 40663773 | 41940388 | 45612680 | 49650880 | 43597571 | 9 |
| Aroclor-1242-3 | (3) | 22172127 | 22503904 | 23797688 | 25561184 | 25126720 | 23832325 | 6 |
| Aroclor-1242-4 | (4) | 20777408 | 21261321 | 22368954 | 23941300 | 21863540 | 22042505 | 6 |
| Aroclor-1242-5 | (5) | 26011255 | 26949576 | 28142034 | 29660872 | 28841860 | 27921119 | 5 |
| Decachlorobiphenyl | | 890780220 | 996610280 | 1018649180 | 1070124720 | 1151487200 | 1025530320 | 9 |
| Tetrachloro-m-xylene | | 949681240 | 969479187 | 1000171980 | 1041407720 | 1043402000 | 1000828425 | 4 |
| Aroclor-1248-1 | (1) | 21916865 | 22139940 | 24138102 | 25281632 | 23901120 | 23475532 | 6 |
| Aroclor-1248-2 | (2) | 28154371 | 29147072 | 31604814 | 33306732 | 34304240 | 31303446 | 8 |
| Aroclor-1248-3 | (3) | 29522180 | 30421332 | 32954472 | 34362676 | 31347200 | 31721572 | 6 |
| Aroclor-1248-4 | (4) | 34974296 | 35760019 | 38441344 | 40862964 | 44827240 | 38973173 | 10 |
| Aroclor-1248-5 | (5) | 34216861 | 35543065 | 38522800 | 40509348 | 41641320 | 38086679 | 8 |
| Decachlorobiphenyl | | 933290630 | 982033680 | 1000188180 | 1068098600 | 1015594400 | 999841098 | 5 |
| Tetrachloro-m-xylene | | 948607640 | 978544213 | 1031768560 | 1070844800 | 1068084800 | 1019570003 | 5 |
| Aroclor-1254-1 | (1) | 49741488 | 53083060 | 56518628 | 60344088 | 61926700 | 56322793 | 9 |

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Fax : 908 789 8922

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1254-2 | (2) | 43195538 | 45981229 | 48525194 | 52438220 | 54392240 | 48906484 | 9 |
| Aroclor-1254-3 | (3) | 69004581 | 72181184 | 75732026 | 81417896 | 78754240 | 75417985 | 7 |
| Aroclor-1254-4 | (4) | 48529875 | 50966111 | 53417608 | 57048936 | 53797000 | 52751906 | 6 |
| Aroclor-1254-5 | (5) | 63254548 | 65263447 | 68912458 | 73214624 | 74627960 | 69054607 | 7 |
| Decachlorobiphenyl | | 966187920 | 982212947 | 1086993960 | 1153126680 | 1151501200 | 1068004541 | 8 |
| Tetrachloro-m-xylene | | 967205180 | 984098413 | 1019987640 | 1086171680 | 989309800 | 1009354543 | 5 |
| Aroclor-1268-1 | (1) | 168373725 | 166057156 | 179047242 | 187011272 | 174871700 | 175072219 | 5 |
| Aroclor-1268-2 | (2) | 142006892 | 140092196 | 149842434 | 153490708 | 144862740 | 146058994 | 4 |
| Aroclor-1268-3 | (3) | 125351560 | 120465205 | 129564250 | 133099628 | 133160800 | 128328289 | 4 |
| Aroclor-1268-4 | (4) | 54287293 | 53233979 | 56809814 | 58479952 | 52090820 | 54980372 | 5 |
| Aroclor-1268-5 | (5) | 364151928 | 362236821 | 378313444 | 380892964 | 354578080 | 368034647 | 3 |
| Decachlorobiphenyl | | 1632116030 | 1658280453 | 1742317540 | 1836812000 | 1806314000 | 1735168005 | 5 |
| Tetrachloro-m-xylene | | 1019432100 | 1034489600 | 1102868440 | 1184868600 | 1114308600 | 1091193468 | 6 |

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Fax : 908 789 8922

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

**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 | 4.73 | 4.63 | 4.83 | 19940100 |
| | | 2 | 4.81 | 4.71 | 4.91 | 14608700 |
| | | 3 | 4.89 | 4.79 | 4.99 | 44364600 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1262 | 500 | 1 | 8.11 | 8.01 | 8.21 | 81718600 |
| | | 2 | 8.43 | 8.33 | 8.53 | 164714000 |
| | | 3 | 8.75 | 8.65 | 8.85 | 112164000 |
| | | 4 | 8.83 | 8.73 | 8.93 | 83803800 |
| | | 5 | 9.49 | 9.39 | 9.59 | 58896200 |

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Fax : 908 789 8922

## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Instrument ID:** ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

**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 | 4.04 | 3.94 | 4.14 | 14882500 |
| | | 2 | 4.13 | 4.03 | 4.23 | 11429100 |
| | | 3 | 4.20 | 4.10 | 4.30 | 33421800 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1262 | 500 | 1 | 6.96 | 6.86 | 7.06 | 83664000 |
| | | 2 | 7.22 | 7.12 | 7.32 | 68729800 |
| | | 3 | 7.74 | 7.64 | 7.84 | 65986200 |
| | | 4 | 7.81 | 7.71 | 7.91 | 104435000 |
| | | 5 | 8.31 | 8.21 | 8.41 | 51550000 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:13
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: Mar 11 15:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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... | 4.526 | 3.829 | 146.3E6 | 90189826 | 96.299 | 93.878 |
| 2) | SA Decachlor... | 10.254 | 8.881 | 100.5E6 | 93540003 | 96.223 | 96.862 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.679 | 4.917 | 46284919 | 31619052 | 949.625 | 933.606 |
| 4) | L1 AR-1016-2 | 5.700 | 4.935 | 68727144 | 44662617 | 955.739 | 933.736 |
| 5) | L1 AR-1016-3 | 5.763 | 5.112 | 41881157 | 24906943 | 949.392 | 929.187 |
| 6) | L1 AR-1016-4 | 5.860 | 5.154 | 34693414 | 19770953 | 934.220 | 926.606 |
| 7) | L1 AR-1016-5 | 6.153 | 5.369 | 32535779 | 25646269 | 956.384 | 934.042 |
| 31) | L7 AR-1260-1 | 7.273 | 6.406 | 55067637 | 45267436 | 951.674 | 949.709 |
| 32) | L7 AR-1260-2 | 7.526 | 6.594 | 75483004 | 60652513 | 952.665 | 953.140 |
| 33) | L7 AR-1260-3 | 7.886 | 6.748 | 62678610 | 52248928 | 959.203 | 949.358 |
| 34) | L7 AR-1260-4 | 8.110 | 7.221 | 60990738 | 47067710 | 959.399 | 931.760 |
| 35) | L7 AR-1260-5 | 8.431 | 7.462 | 130.6E6 | 124.0E6 | 963.609 | 954.364 |

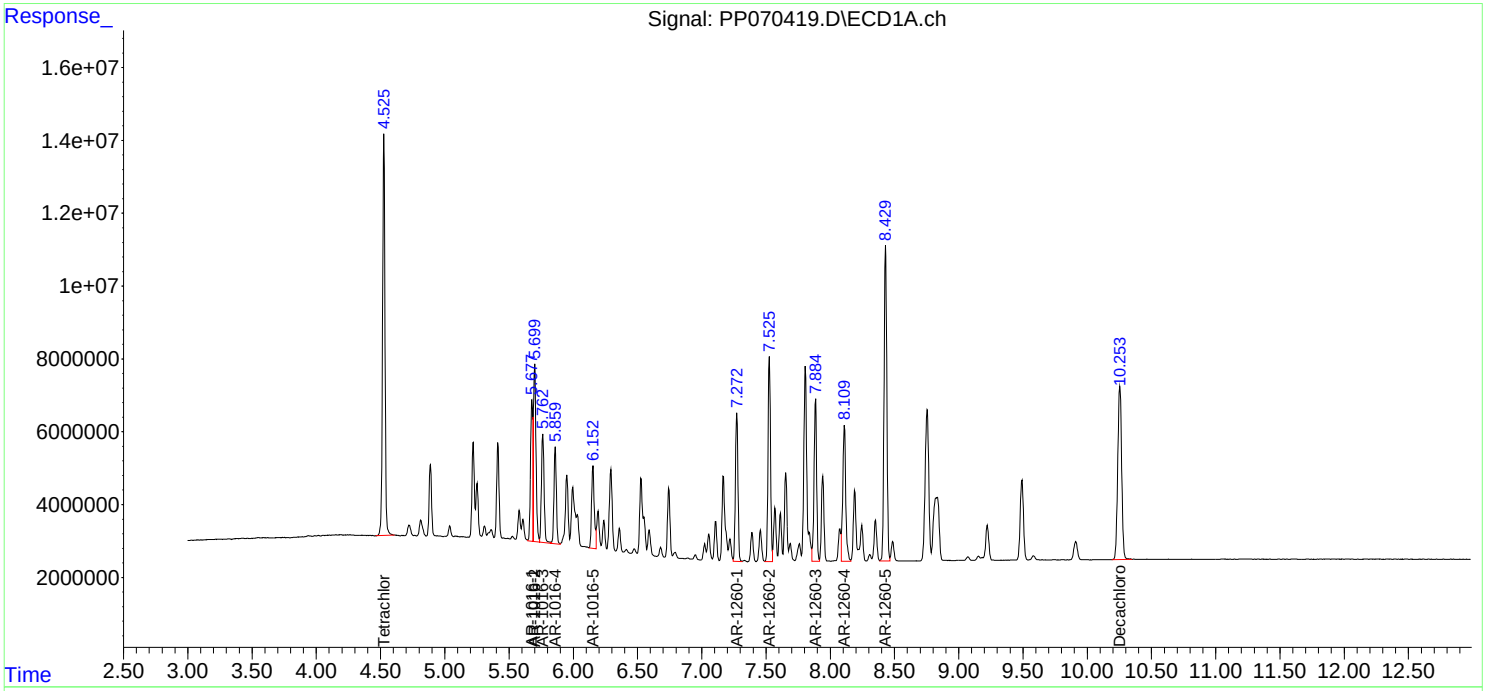
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

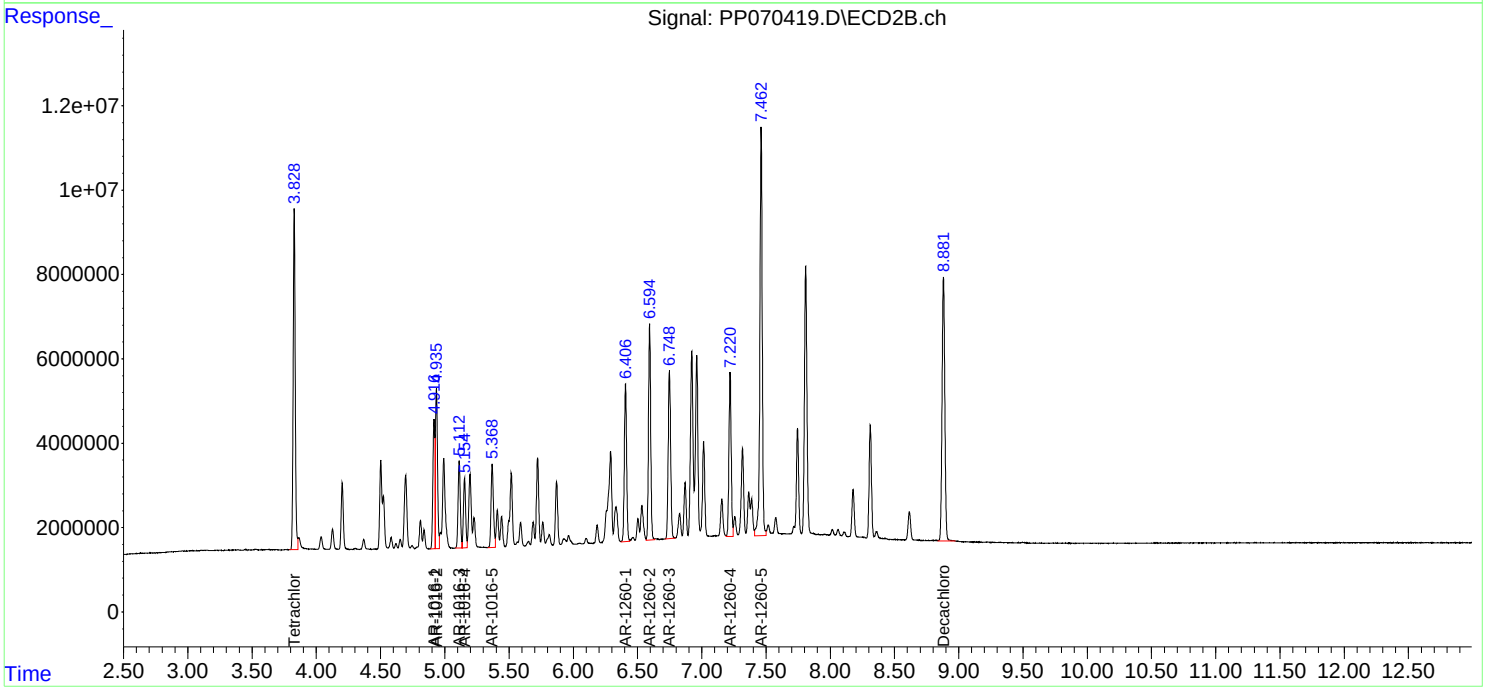
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070419.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:13
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

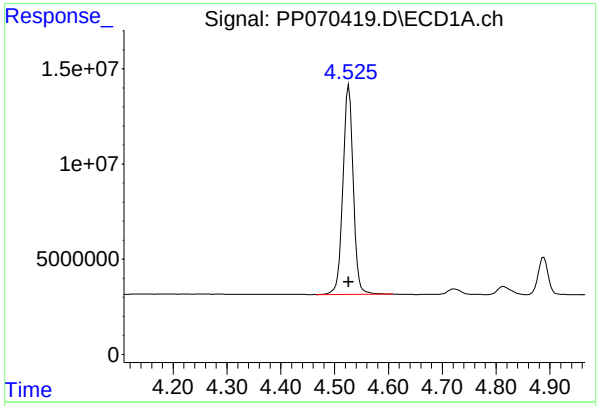
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 15:59:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



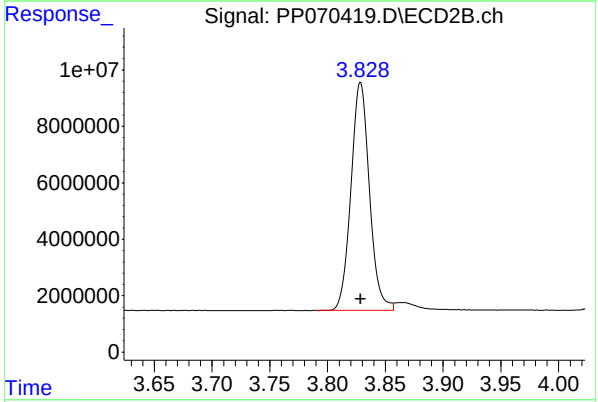






#1 Tetrachloro-m-xylene

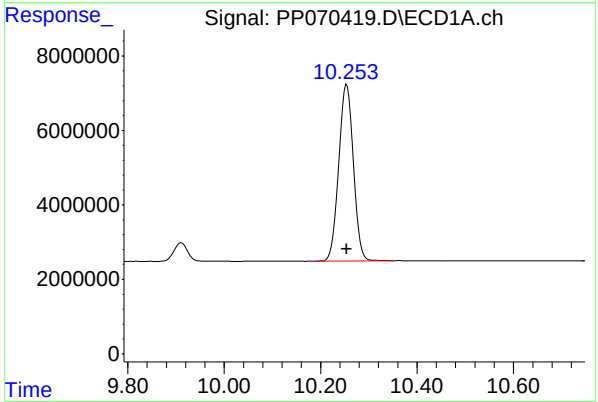
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 146296801
Conc: 96.30 ng/ml

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



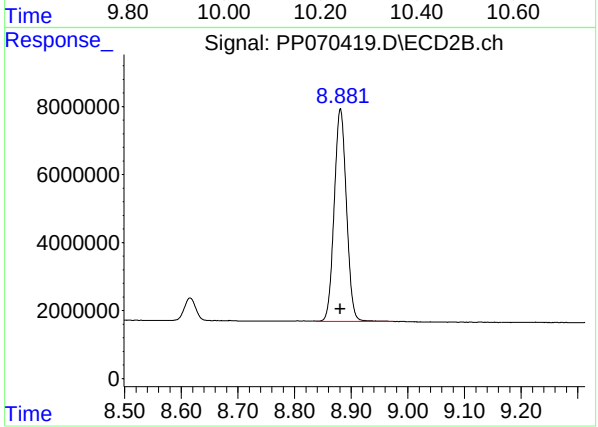

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 90189826
Conc: 93.88 ng/ml



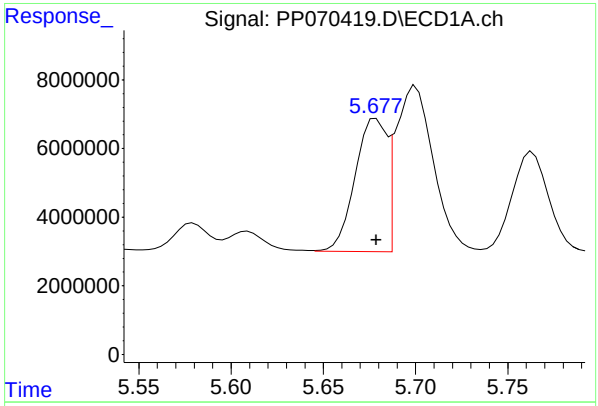

#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.000 min
Response: 100544669
Conc: 96.22 ng/ml




#2 Decachlorobiphenyl

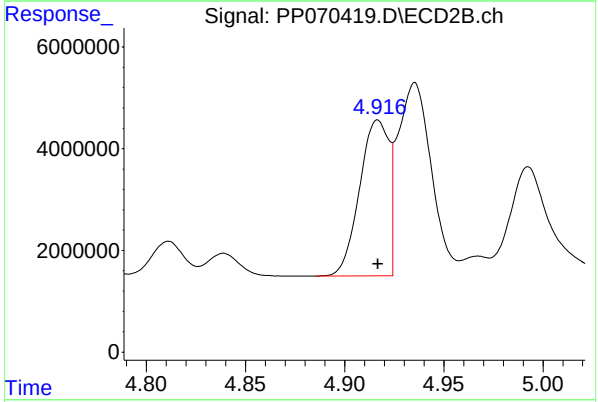
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 93540003
Conc: 96.86 ng/ml




#3 AR-1016-1

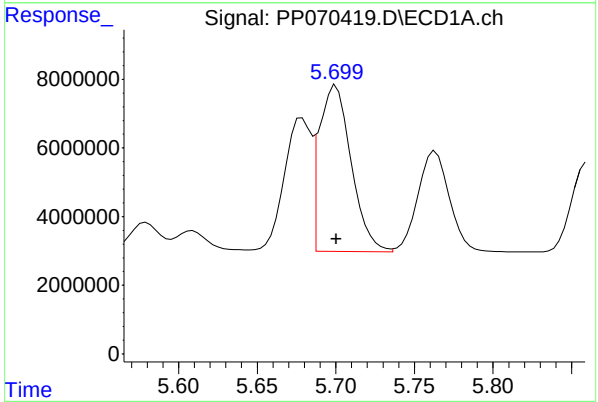
R.T.: 5.679 min
Delta R.T.: 0.000 min
Response: 46284919
Conc: 949.63 ng/ml

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



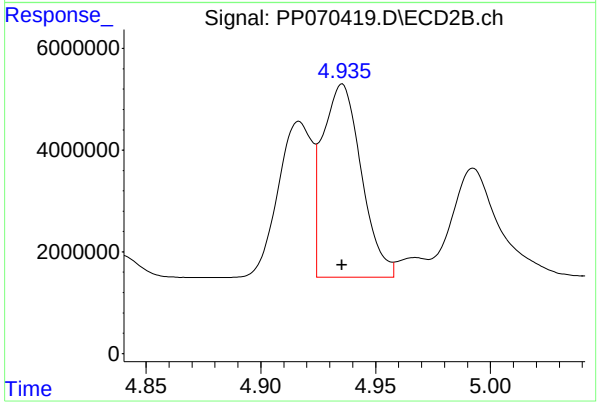

#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 31619052
Conc: 933.61 ng/ml



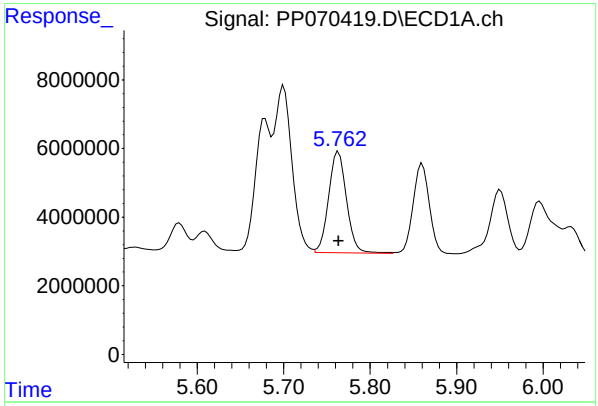

#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 68727144
Conc: 955.74 ng/ml




#4 AR-1016-2

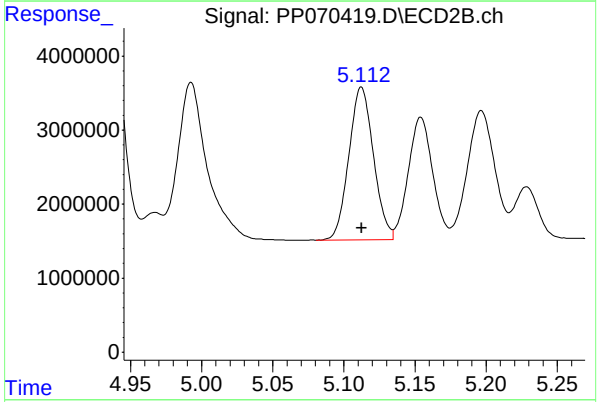
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 44662617
Conc: 933.74 ng/ml




#5 AR-1016-3

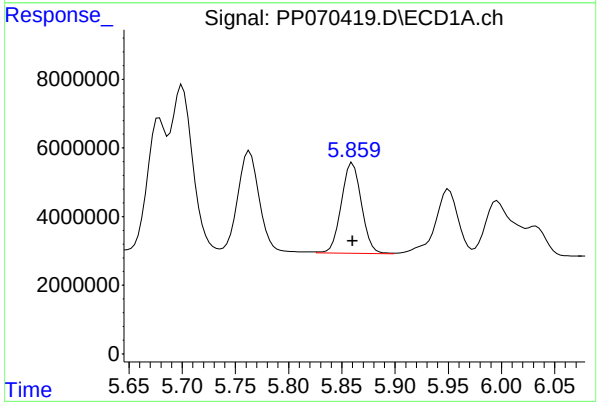
R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 41881157
Conc: 949.39 ng/ml

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



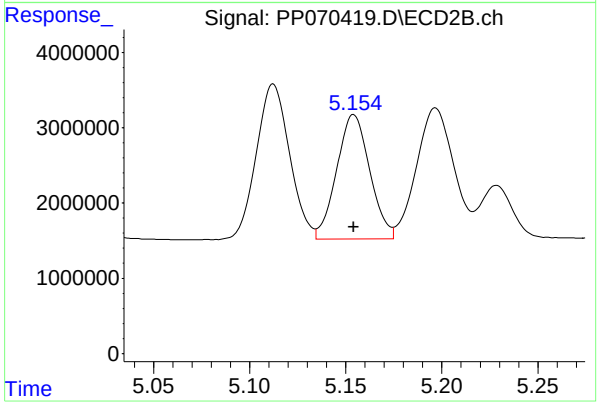

#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 24906943
Conc: 929.19 ng/ml



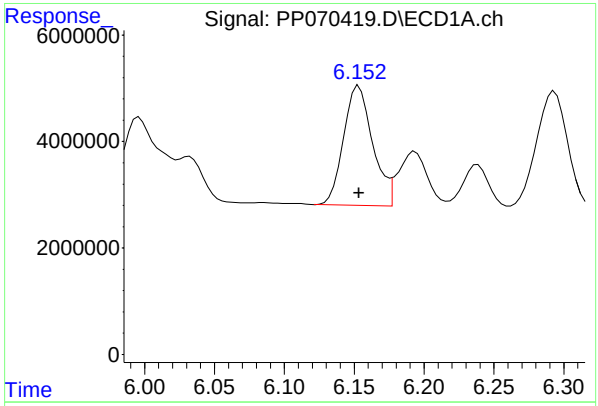

#6 AR-1016-4

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 34693414
Conc: 934.22 ng/ml




#6 AR-1016-4

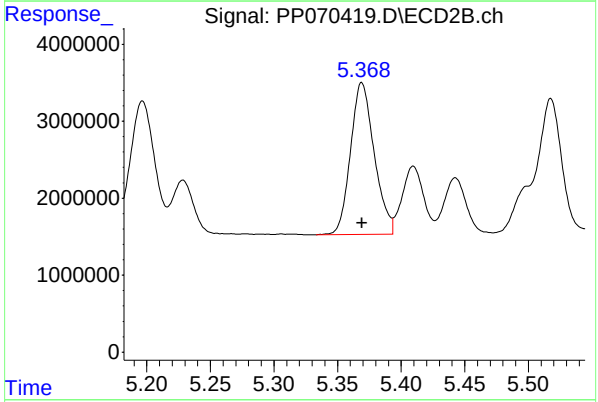
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 19770953
Conc: 926.61 ng/ml




#7 AR-1016-5

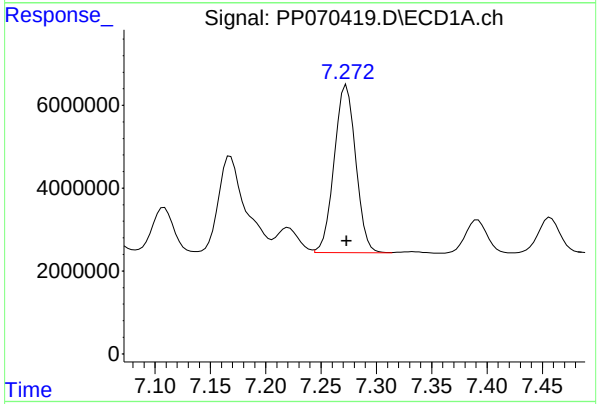
R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 32535779
Conc: 956.38 ng/ml

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



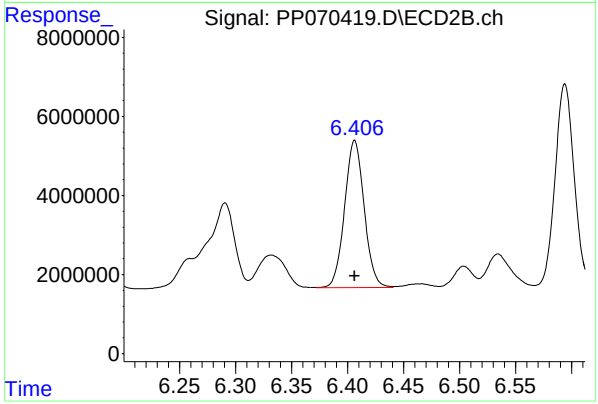

#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 25646269
Conc: 934.04 ng/ml



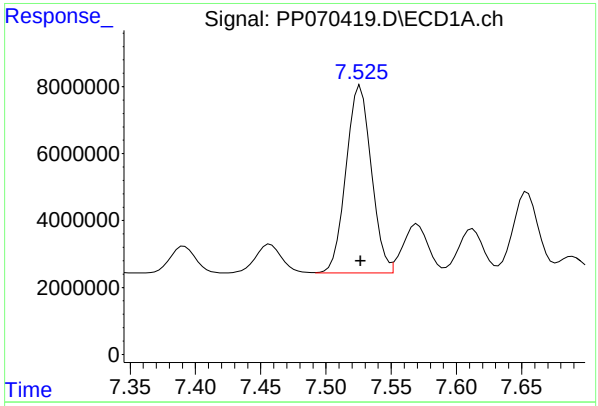

#31 AR-1260-1

R.T.: 7.273 min
Delta R.T.: 0.000 min
Response: 55067637
Conc: 951.67 ng/ml




#31 AR-1260-1

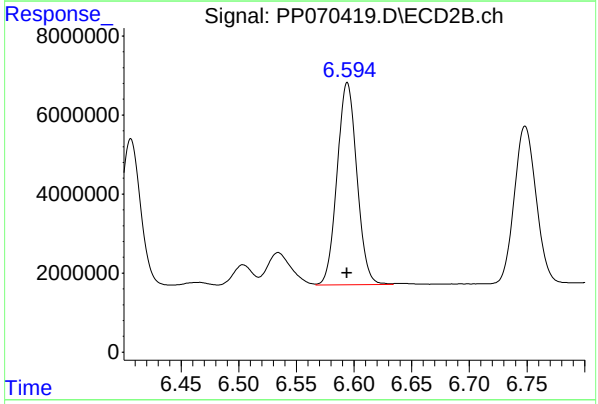
R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 45267436
Conc: 949.71 ng/ml




#32 AR-1260-2

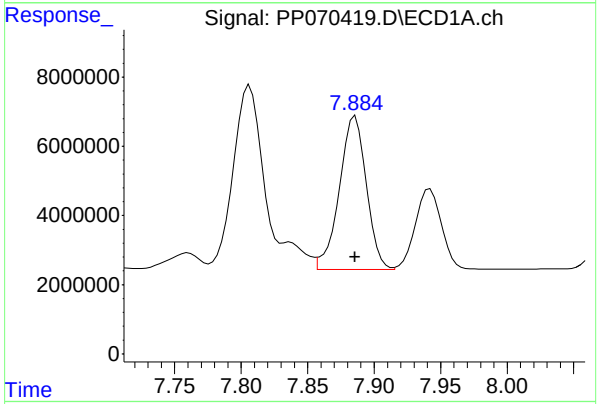
R.T.: 7.526 min
Delta R.T.: 0.000 min
Response: 75483004
Conc: 952.67 ng/ml

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



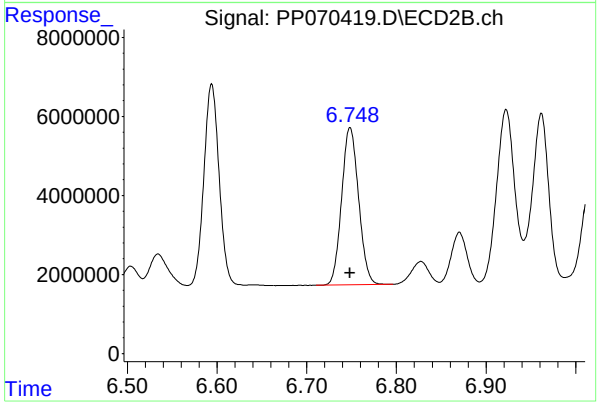

#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 60652513
Conc: 953.14 ng/ml



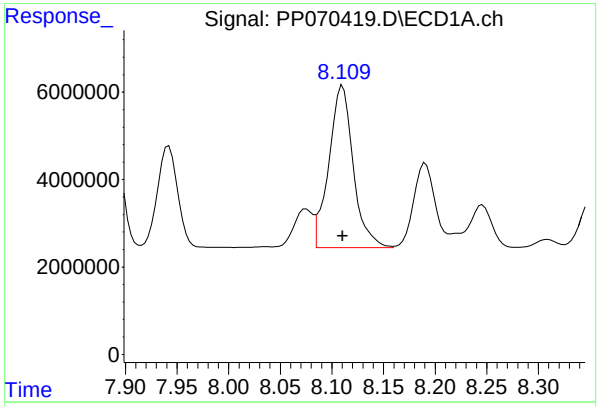

#33 AR-1260-3

R.T.: 7.886 min
Delta R.T.: 0.000 min
Response: 62678610
Conc: 959.20 ng/ml




#33 AR-1260-3

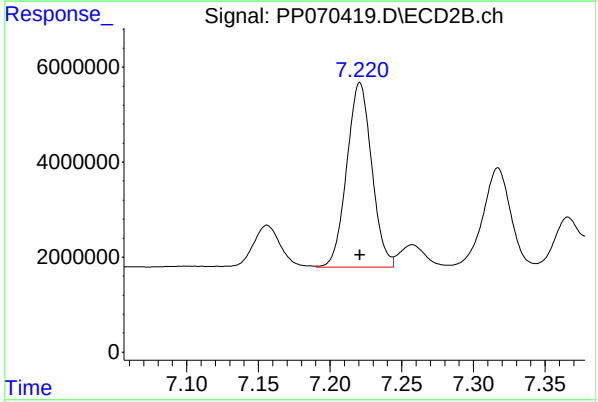
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 52248928
Conc: 949.36 ng/ml




#34 AR-1260-4

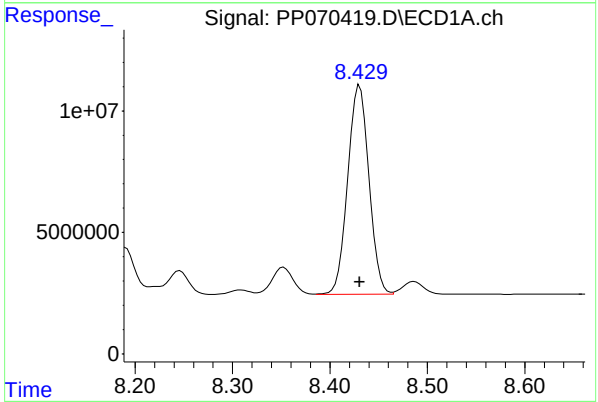
R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 60990738
Conc: 959.40 ng/ml

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



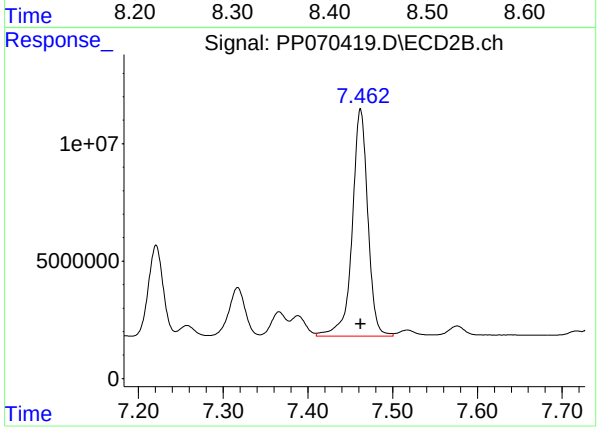

#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 47067710
Conc: 931.76 ng/ml




#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.000 min
Response: 130557968
Conc: 963.61 ng/ml




#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 123950775
Conc: 954.36 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:29
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: Mar 11 16:02:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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... | 4.524 | 3.829 | 114.7E6 | 73231901 | 75.332 | 75.814 |
| 2) | SA Decachlor... | 10.251 | 8.881 | 78316441 | 70837588 | 74.967 | 73.894 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.677 | 4.916 | 36468416 | 26259347 | 748.813 | 766.713 |
| 4) | L1 AR-1016-2 | 5.699 | 4.935 | 54195611 | 36649558 | 752.436 | 760.730 |
| 5) | L1 AR-1016-3 | 5.761 | 5.112 | 32877053 | 20393839 | 746.847 | 757.178 |
| 6) | L1 AR-1016-4 | 5.858 | 5.154 | 27837898 | 16253201 | 749.744 | 757.786 |
| 7) | L1 AR-1016-5 | 6.151 | 5.369 | 25290442 | 20548181 | 745.593 | 748.912 |
| 31) | L7 AR-1260-1 | 7.270 | 6.405 | 43699051 | 35731210 | 753.461 | 749.759 |
| 32) | L7 AR-1260-2 | 7.524 | 6.594 | 59458057 | 48055327 | 750.277 | 753.444 |
| 33) | L7 AR-1260-3 | 7.882 | 6.748 | 48742271 | 41574236 | 747.281 | 753.592 |
| 34) | L7 AR-1260-4 | 8.108 | 7.221 | 48512746 | 37381432 | 758.694 | 743.310 |
| 35) | L7 AR-1260-5 | 8.428 | 7.461 | 101.3E6 | 97534605 | 748.577 | 750.648 |

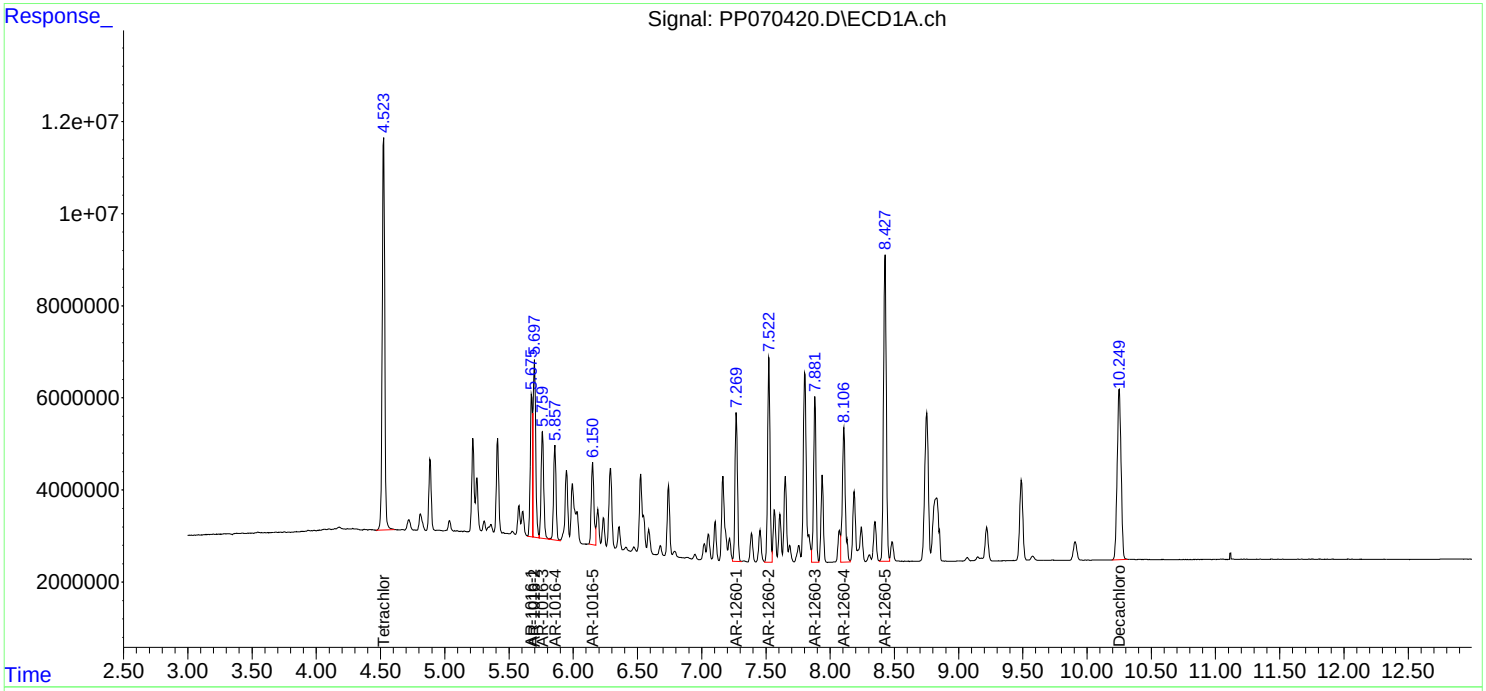
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

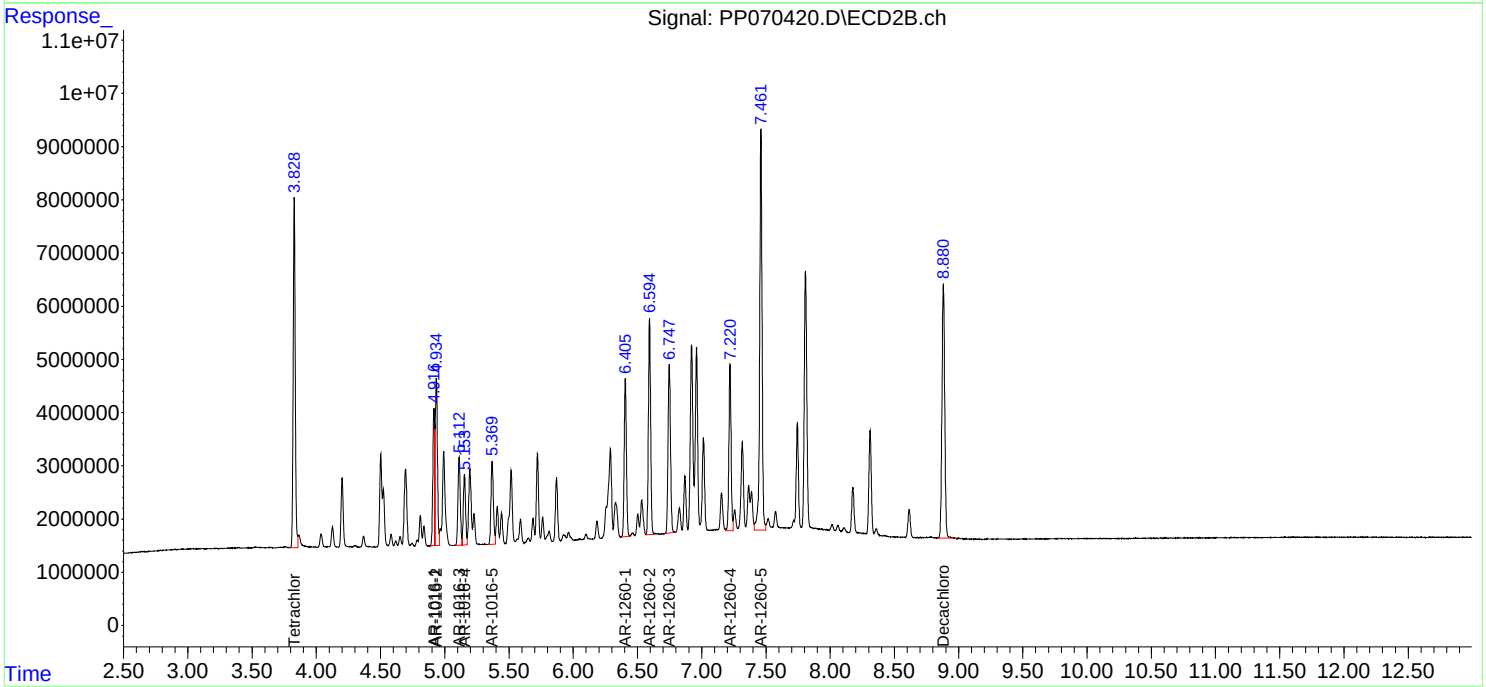
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070420.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:29
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

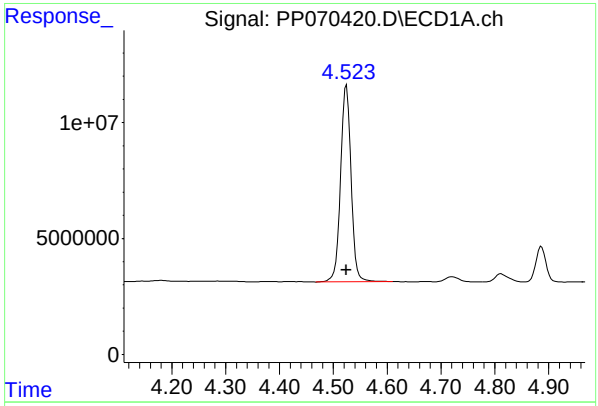
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:02:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



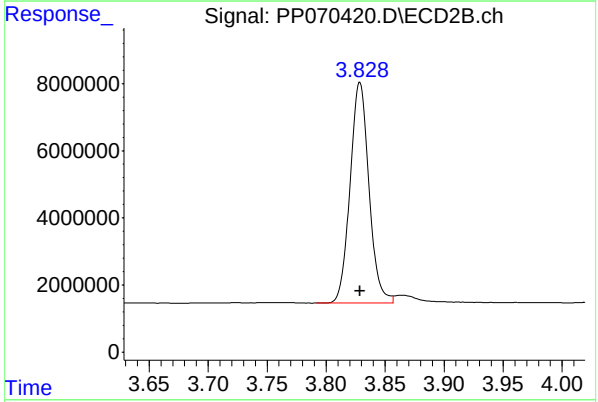






#1 Tetrachloro-m-xylene

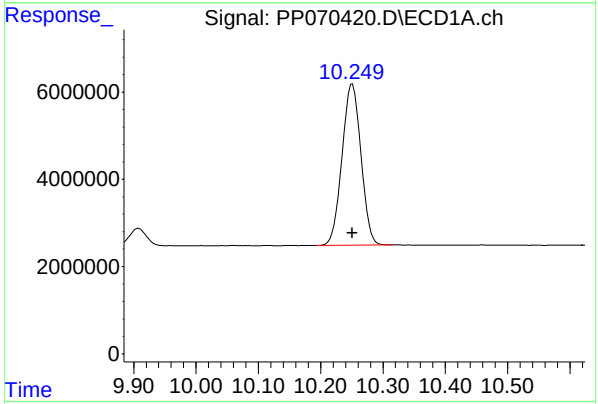
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 114697503
Conc: 75.33 ng/ml

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



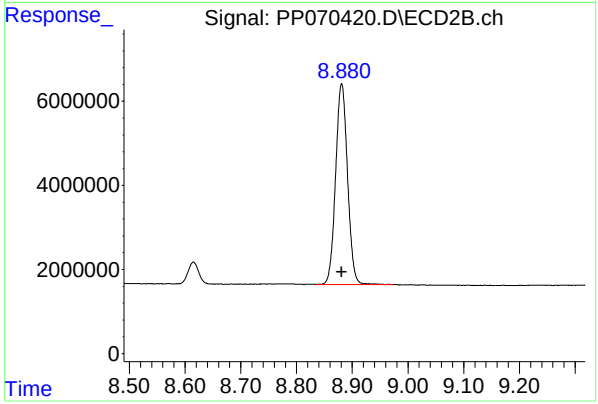

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 73231901
Conc: 75.81 ng/ml



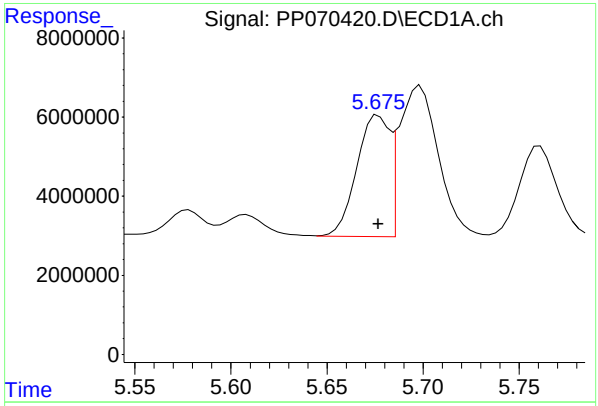

#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: 0.000 min
Response: 78316441
Conc: 74.97 ng/ml




#2 Decachlorobiphenyl

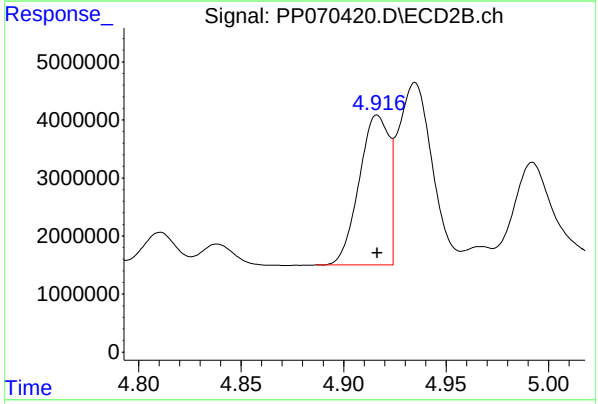
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 70837588
Conc: 73.89 ng/ml




#3 AR-1016-1

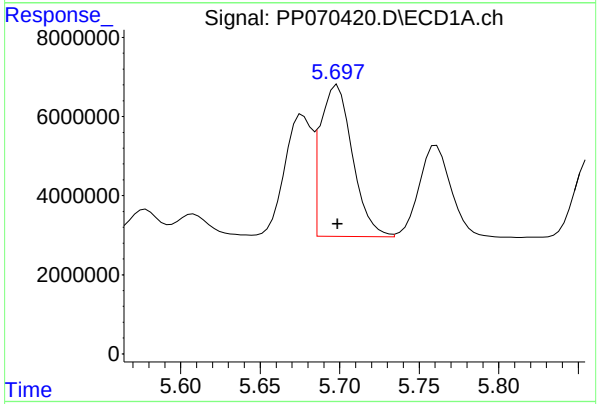
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 36468416
Conc: 748.81 ng/ml

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



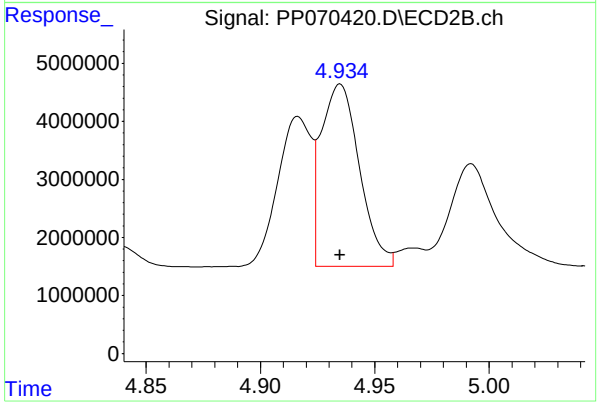

#3 AR-1016-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 26259347
Conc: 766.71 ng/ml



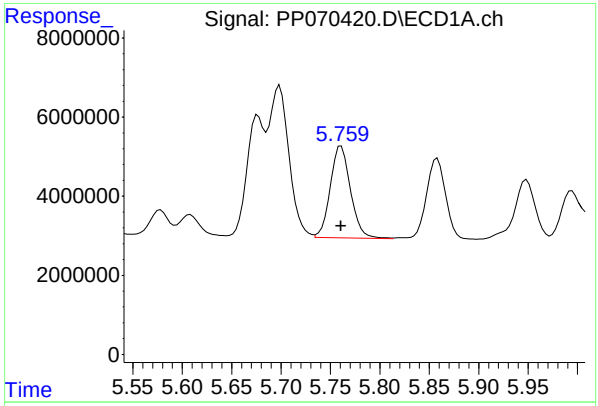

#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 54195611
Conc: 752.44 ng/ml




#4 AR-1016-2

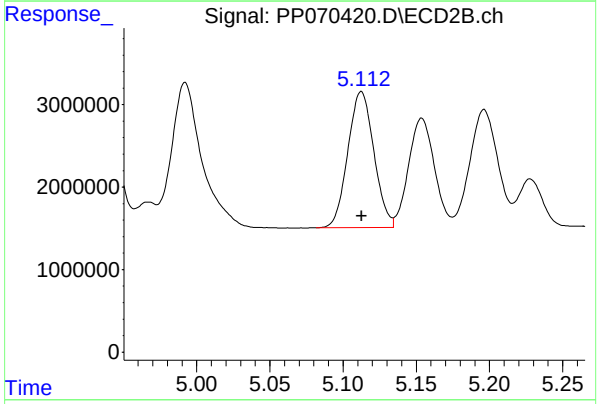
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 36649558
Conc: 760.73 ng/ml




#5 AR-1016-3

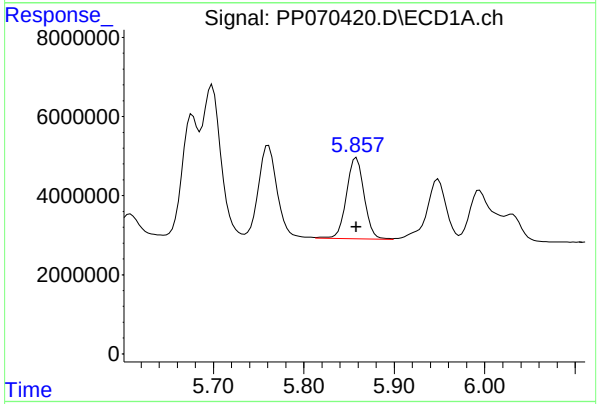
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 32877053
Conc: 746.85 ng/ml

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



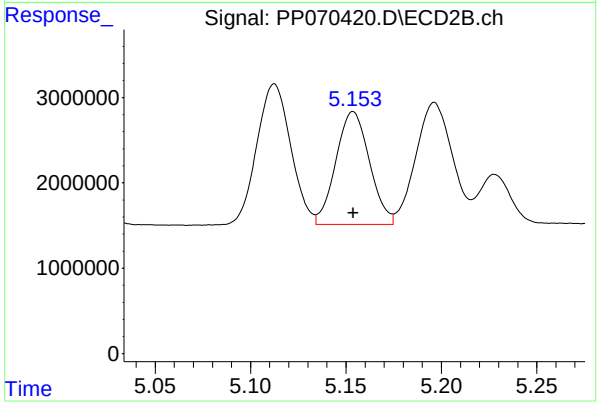

#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 20393839
Conc: 757.18 ng/ml



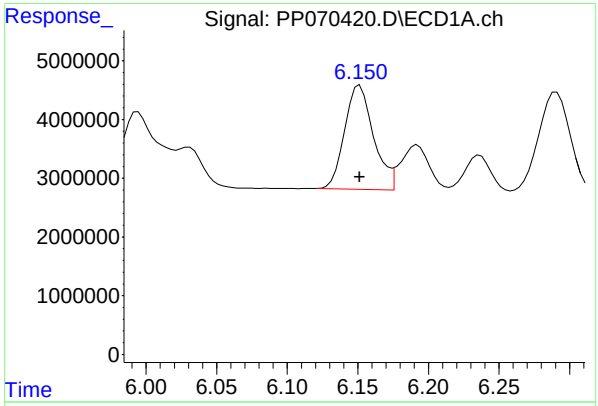

#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 27837898
Conc: 749.74 ng/ml




#6 AR-1016-4

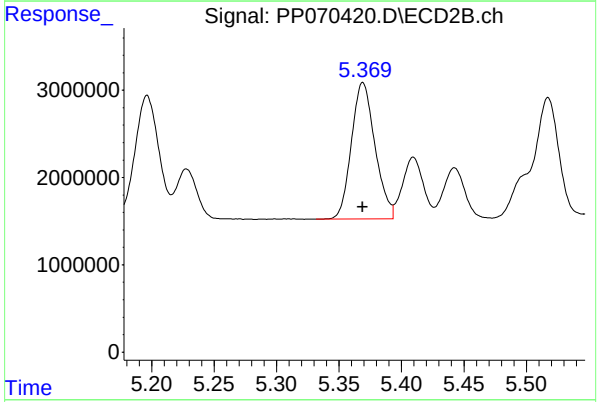
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 16253201
Conc: 757.79 ng/ml




#7 AR-1016-5

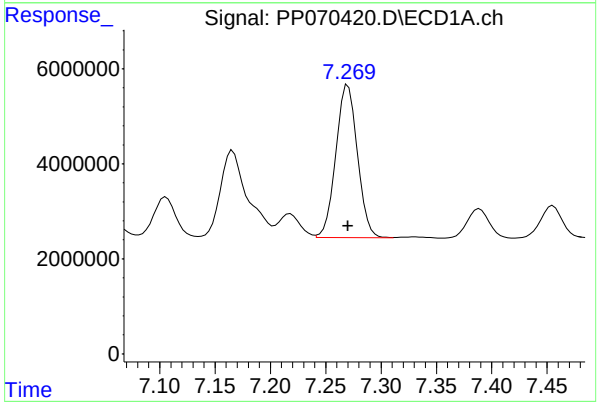
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 25290442
Conc: 745.59 ng/ml

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



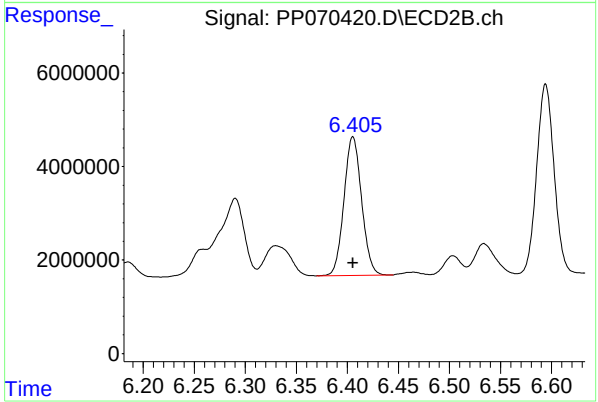

#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 20548181
Conc: 748.91 ng/ml



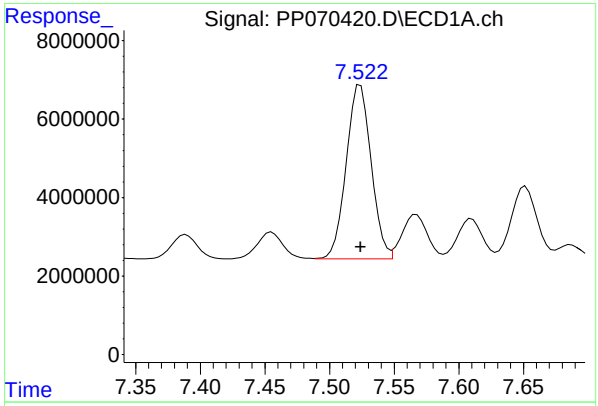

#31 AR-1260-1

R.T.: 7.270 min
Delta R.T.: 0.000 min
Response: 43699051
Conc: 753.46 ng/ml




#31 AR-1260-1

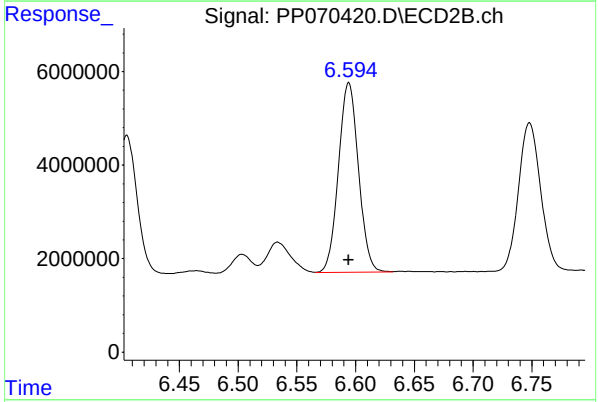
R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 35731210
Conc: 749.76 ng/ml




#32 AR-1260-2

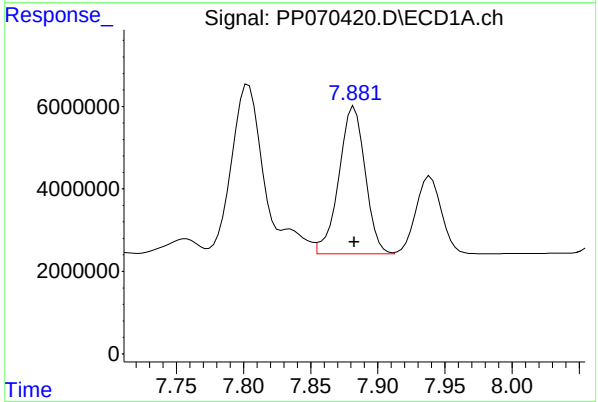
R.T.: 7.524 min
Delta R.T.: 0.000 min
Response: 59458057
Conc: 750.28 ng/ml

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



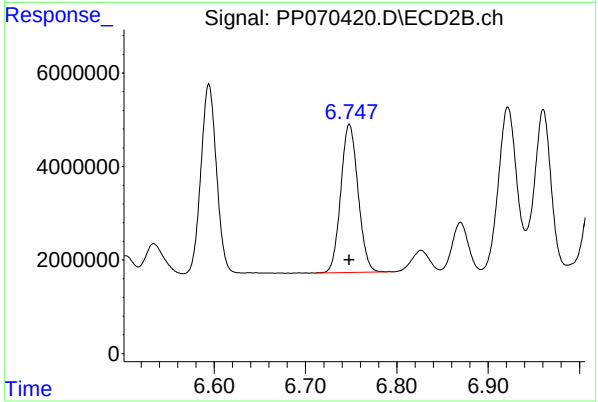

#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 48055327
Conc: 753.44 ng/ml



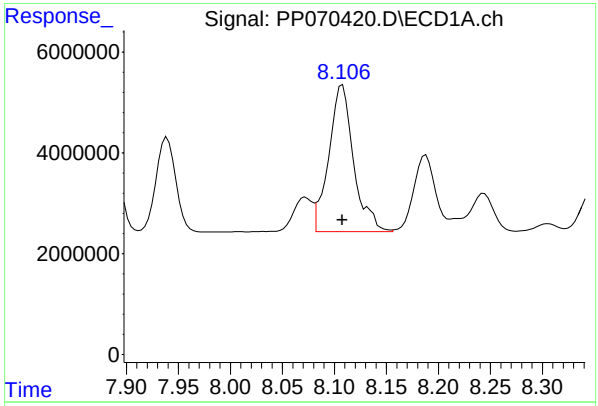

#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: 0.000 min
Response: 48742271
Conc: 747.28 ng/ml




#33 AR-1260-3

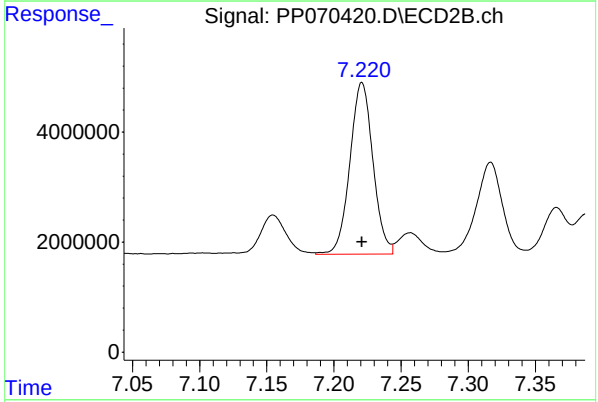
R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 41574236
Conc: 753.59 ng/ml




#34 AR-1260-4

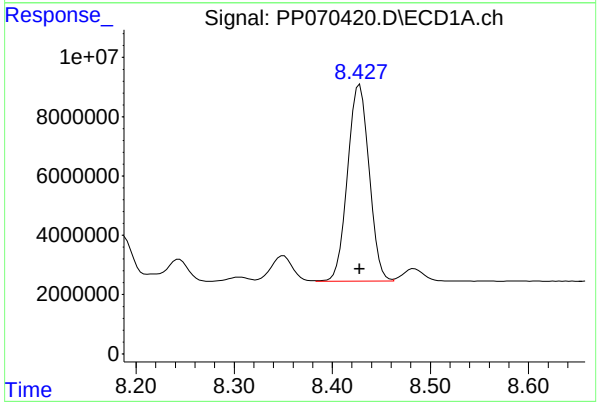
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 48512746
Conc: 758.69 ng/ml

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



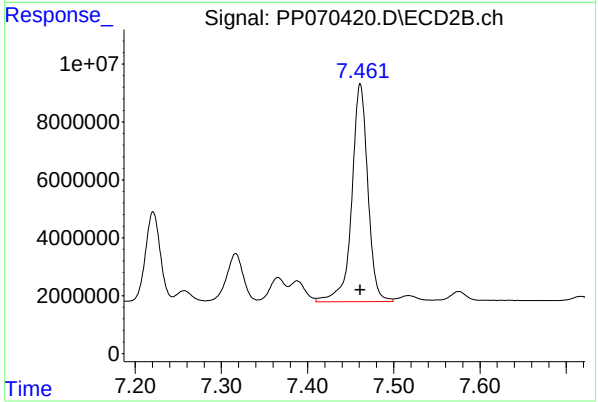

#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 37381432
Conc: 743.31 ng/ml




#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 101327582
Conc: 748.58 ng/ml




#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 97534605
Conc: 750.65 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:46
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: Mar 11 15:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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... | 4.524 | 3.829 | 78771396 | 50975899 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.252 | 8.881 | 54219318 | 49800469 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.677 | 4.917 | 25597740 | 18058147 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.699 | 4.936 | 37546344 | 25500879 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 5.761 | 5.113 | 23173097 | 14351628 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 5.858 | 5.154 | 19789523 | 11451480 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 6.151 | 5.370 | 17751672 | 14634165 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.271 | 6.407 | 30330174 | 25030839 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.525 | 6.595 | 41491985 | 33308182 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 7.883 | 6.749 | 34005135 | 28911574 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 8.108 | 7.221 | 33076474 | 26980991 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.428 | 7.462 | 70209616 | 67902453 | 500.000 | 500.000 |

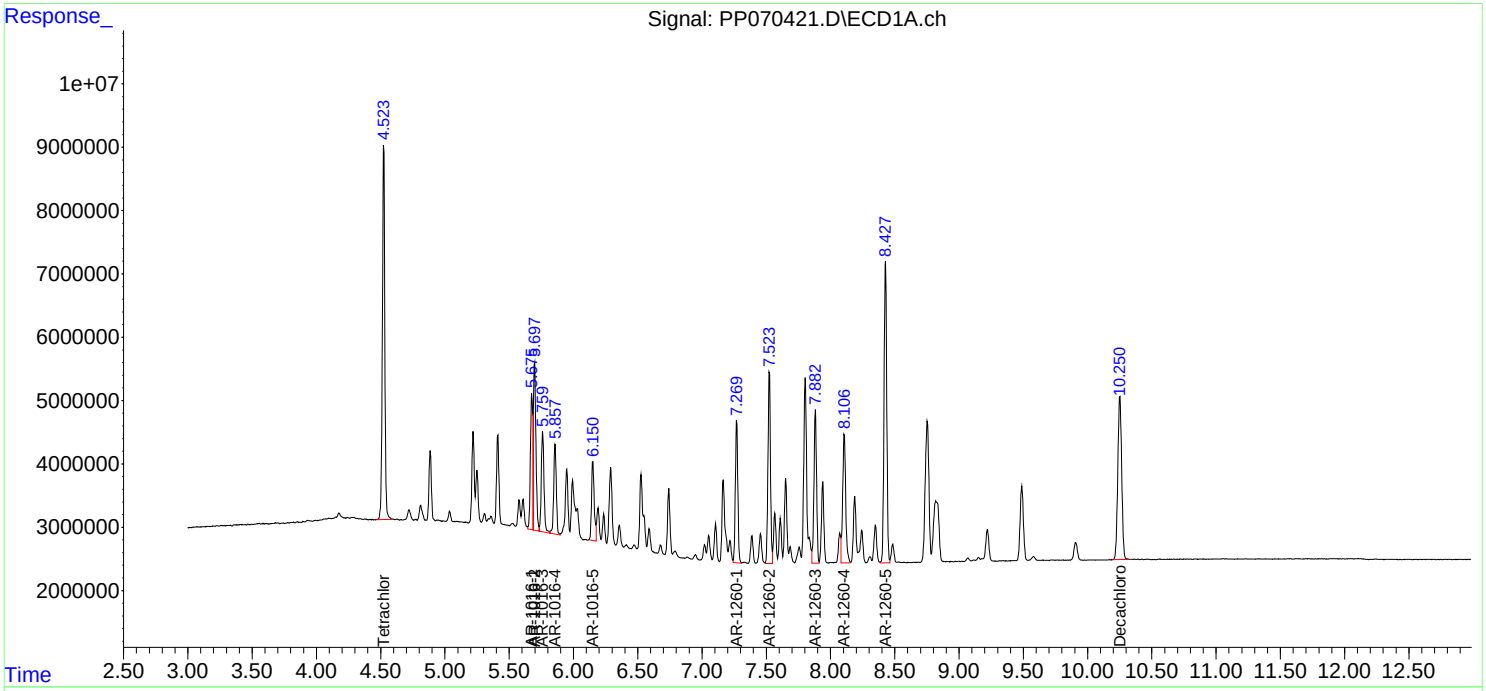
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

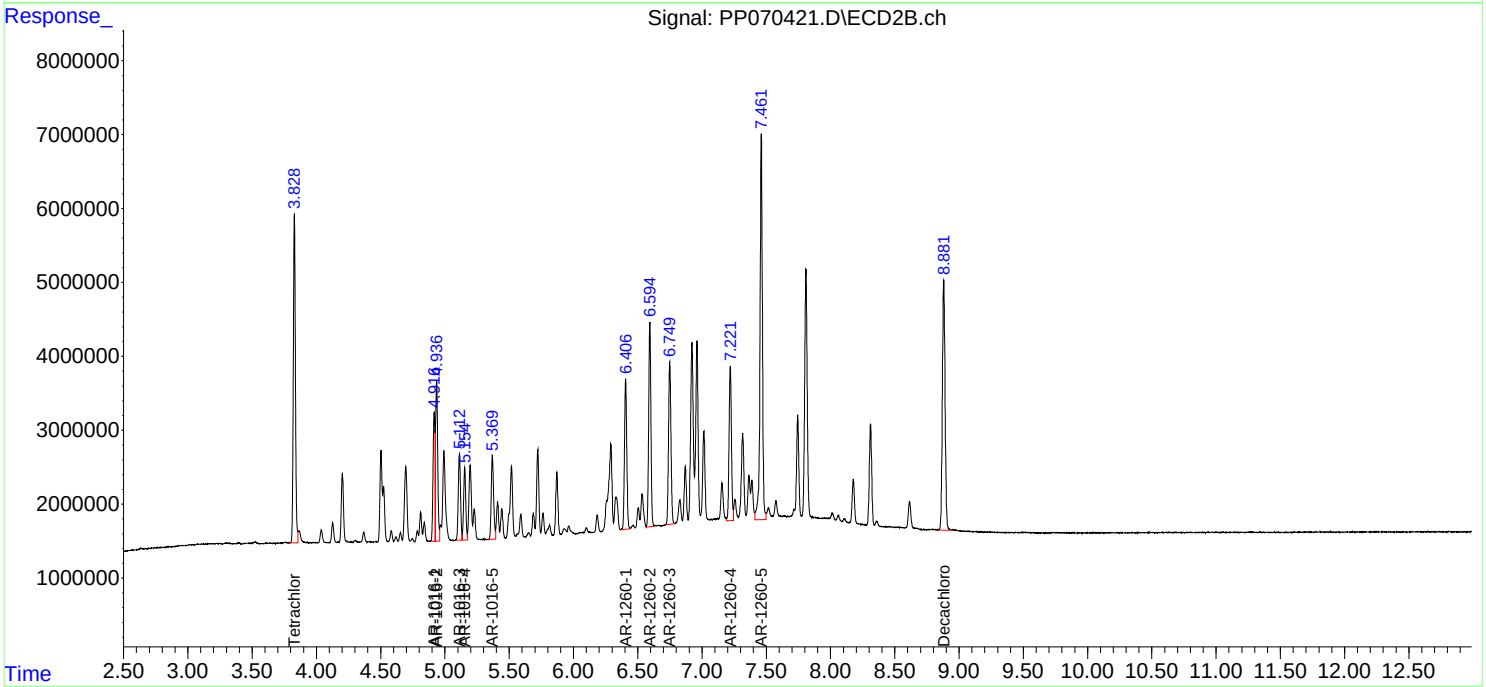
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 15:46
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

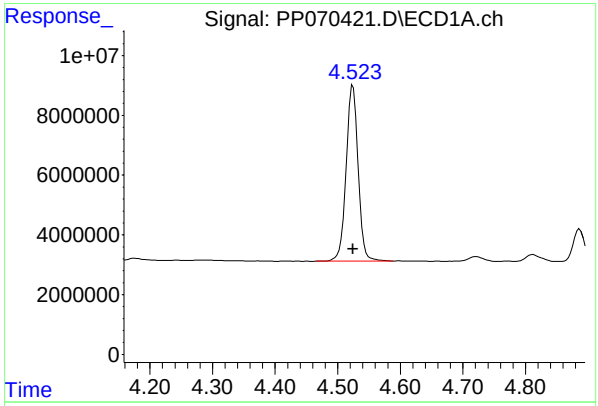
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 15:56:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 15:56:33 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



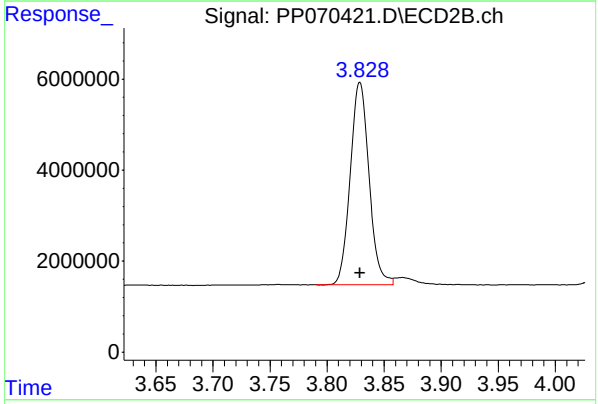






#1 Tetrachloro-m-xylene

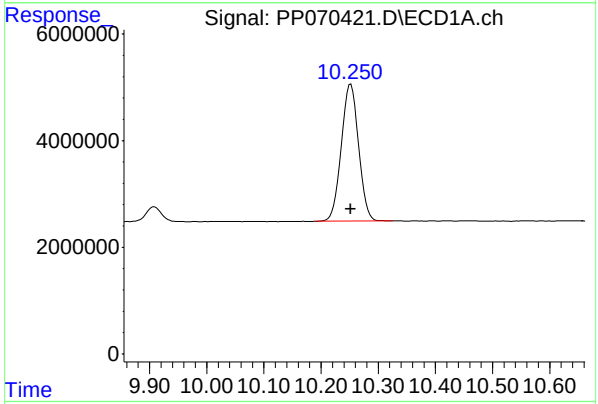
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 78771396
Conc: 50.00 ng/ml

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



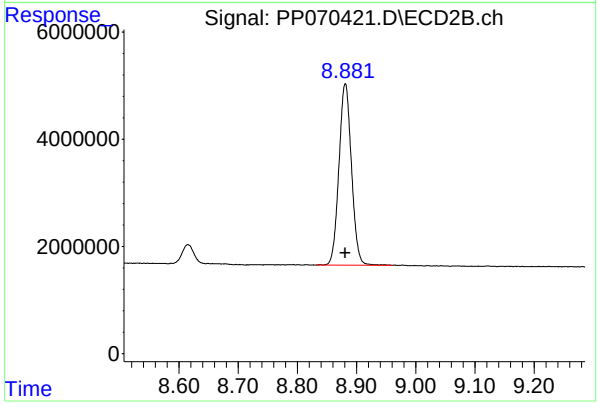

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 50975899
Conc: 50.00 ng/ml



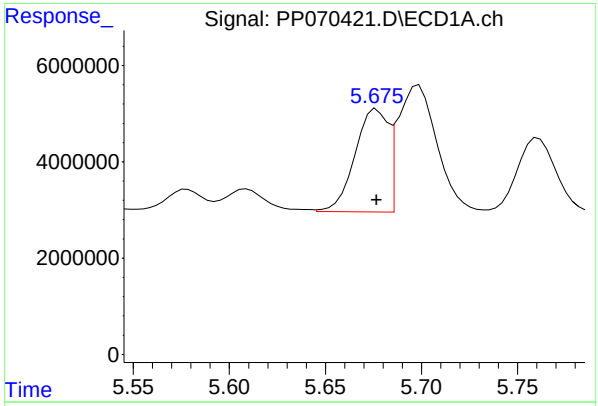

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 54219318
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

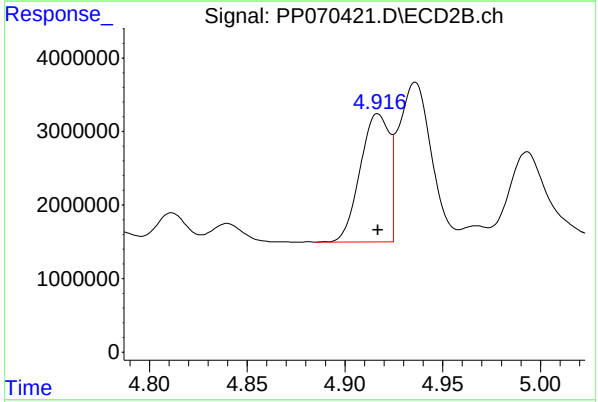
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 49800469
Conc: 50.00 ng/ml




#3 AR-1016-1

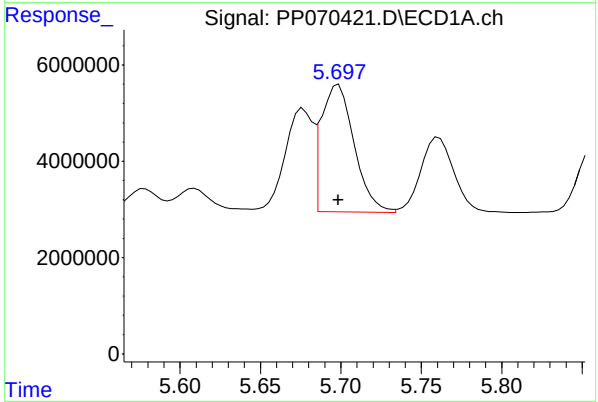
R.T.: 5.677 min
Delta R.T.: 0.000 min
Response: 25597740
Conc: 500.00 ng/ml

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



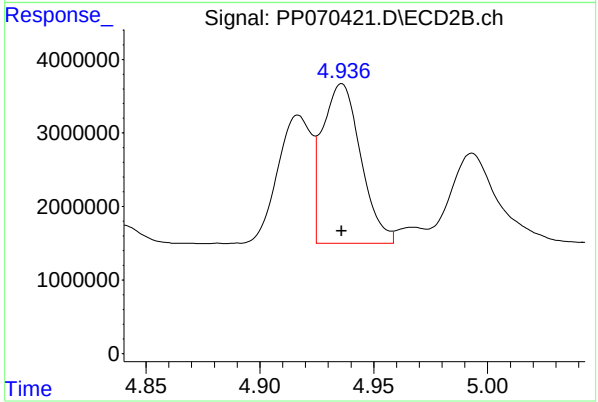

#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 18058147
Conc: 500.00 ng/ml



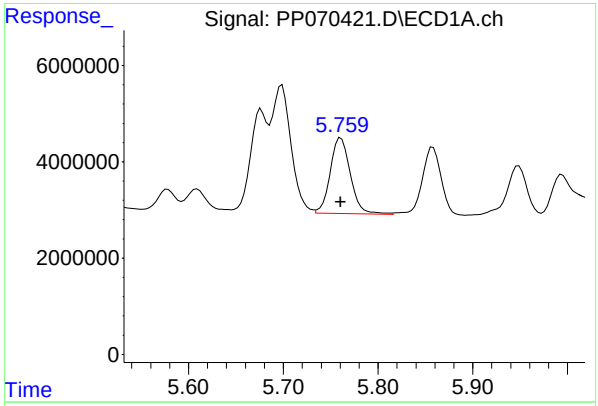

#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 37546344
Conc: 500.00 ng/ml




#4 AR-1016-2

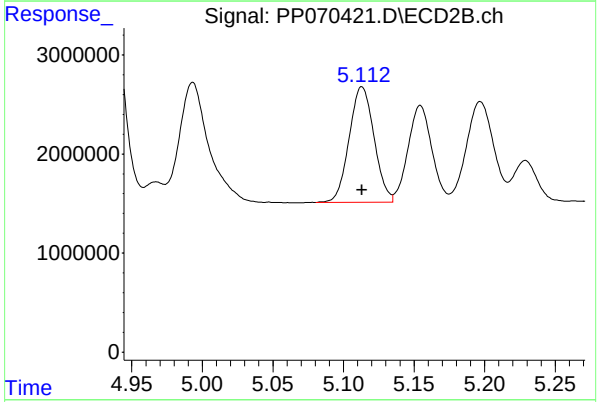
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 25500879
Conc: 500.00 ng/ml




#5 AR-1016-3

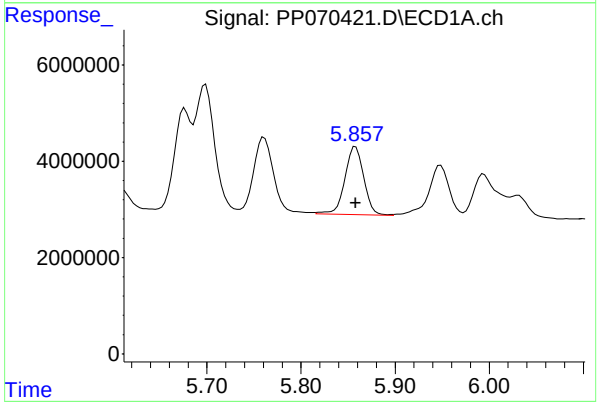
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 23173097
Conc: 500.00 ng/ml

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



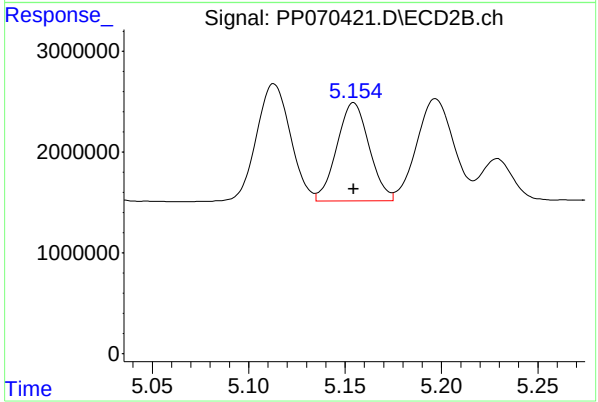

#5 AR-1016-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 14351628
Conc: 500.00 ng/ml



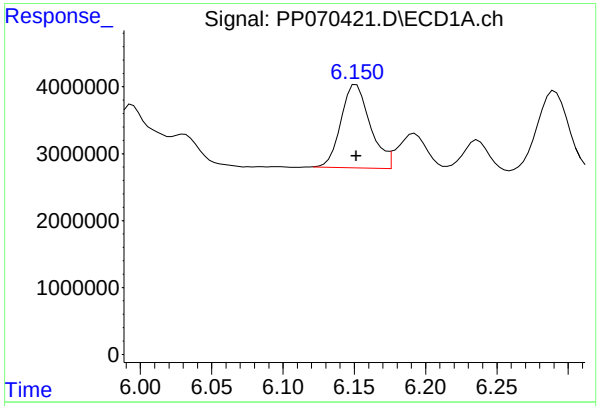

#6 AR-1016-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 19789523
Conc: 500.00 ng/ml




#6 AR-1016-4

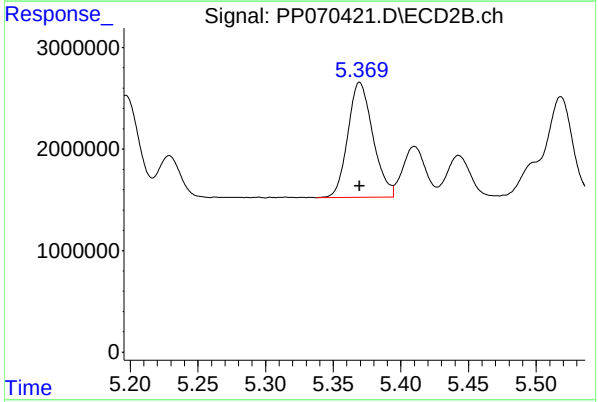
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 11451480
Conc: 500.00 ng/ml




#7 AR-1016-5

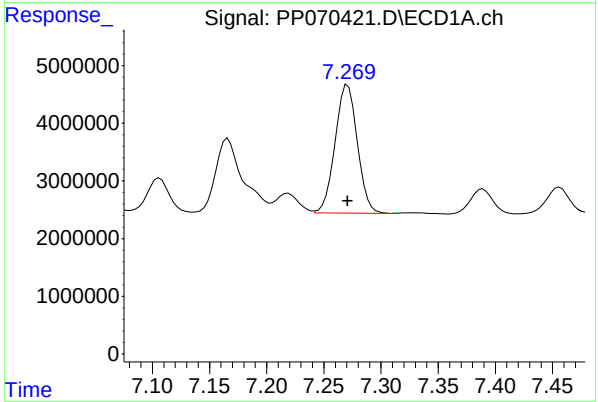
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 17751672
Conc: 500.00 ng/ml

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



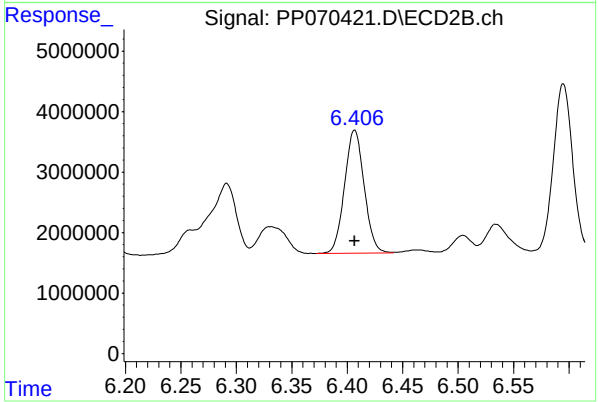

#7 AR-1016-5

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 14634165
Conc: 500.00 ng/ml



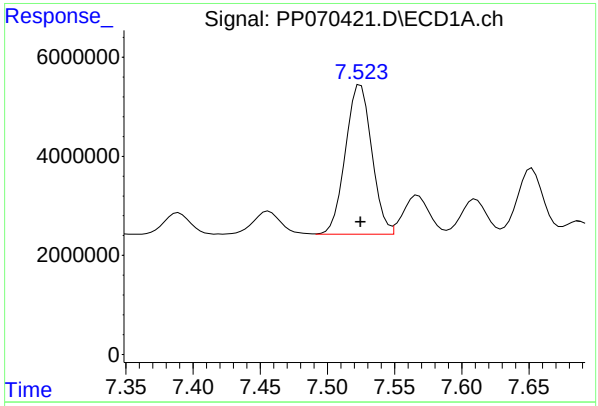

#31 AR-1260-1

R.T.: 7.271 min
Delta R.T.: 0.000 min
Response: 30330174
Conc: 500.00 ng/ml




#31 AR-1260-1

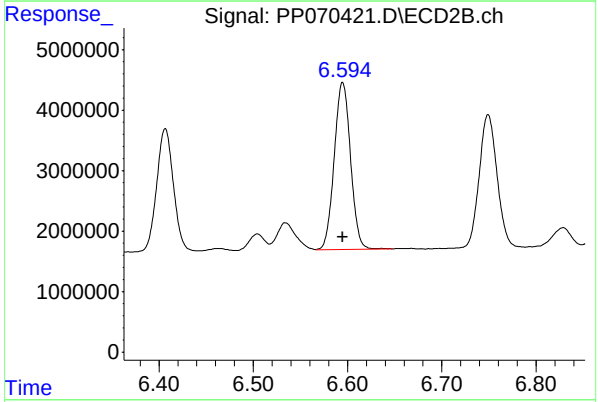
R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 25030839
Conc: 500.00 ng/ml




#32 AR-1260-2

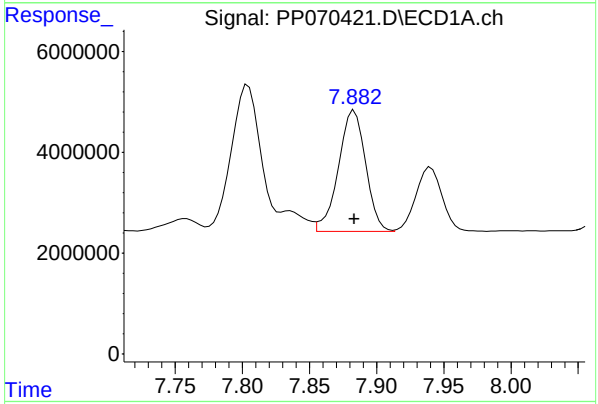
R.T.: 7.525 min
Delta R.T.: 0.000 min
Response: 41491985
Conc: 500.00 ng/ml

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



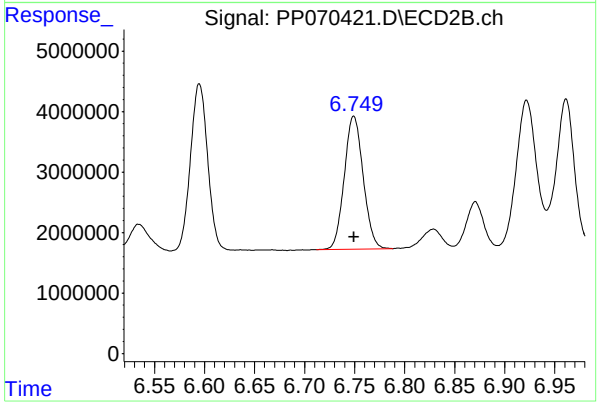

#32 AR-1260-2

R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 33308182
Conc: 500.00 ng/ml



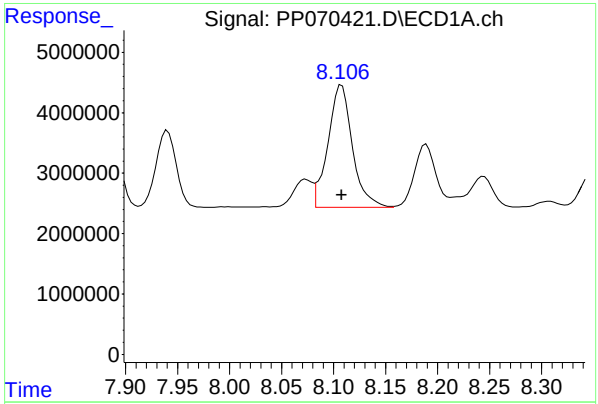

#33 AR-1260-3

R.T.: 7.883 min
Delta R.T.: 0.000 min
Response: 34005135
Conc: 500.00 ng/ml




#33 AR-1260-3

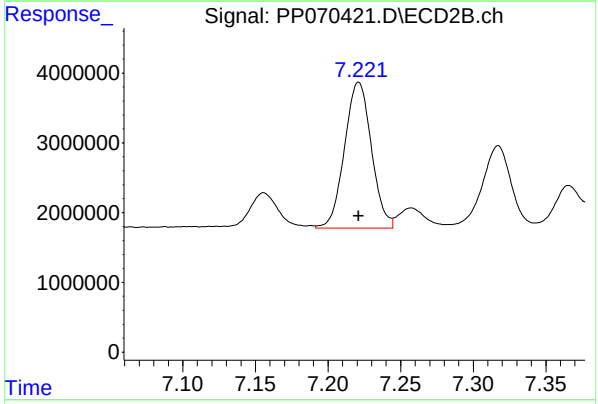
R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 28911574
Conc: 500.00 ng/ml




#34 AR-1260-4

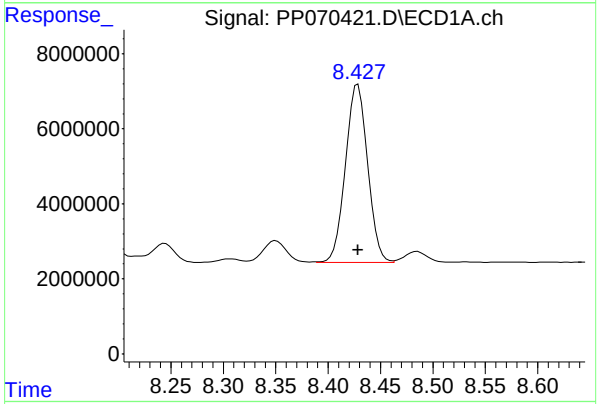
R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 33076474
Conc: 500.00 ng/ml

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



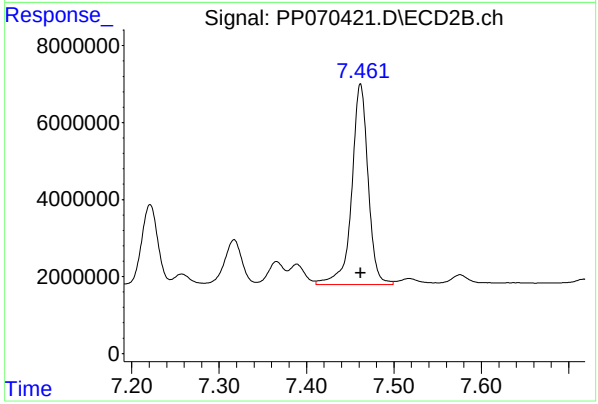

#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 26980991
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 8.428 min
Delta R.T.: 0.000 min
Response: 70209616
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: 0.000 min
Response: 67902453
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:02
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:15:10 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... | 4.526 | 3.828 | 41531966 | 26313383 | 26.670 | 26.644 |
| 2) | SA Decachlor... | 10.255 | 8.880 | 28350211 | 25677480 | 26.570 | 26.327m |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.678 | 4.916 | 14080037 | 9864390 | 278.227 | 277.469 |
| 4) | L1 AR-1016-2 | 5.700 | 4.935 | 19868297 | 13900874 | 268.896 | 277.831 |
| 5) | L1 AR-1016-3 | 5.762 | 5.112 | 12407402 | 7670971 | 273.151 | 275.227 |
| 6) | L1 AR-1016-4 | 5.859 | 5.154 | 10571757 | 6097437 | 275.169 | 274.862 |
| 7) | L1 AR-1016-5 | 6.153 | 5.369 | 9142764 | 8102490 | 264.374 | 282.508 |
| 31) | L7 AR-1260-1 | 7.272 | 6.406 | 15812734 | 13410773 | 266.607 | 272.835 |
| 32) | L7 AR-1260-2 | 7.526 | 6.594 | 21836797 | 17516742 | 268.685 | 268.035 |
| 33) | L7 AR-1260-3 | 7.885 | 6.749 | 17670532 | 15252750 | 265.362 | 269.346 |
| 34) | L7 AR-1260-4 | 8.110 | 7.220 | 17375887 | 13889843 | 265.960 | 269.143 |
| 35) | L7 AR-1260-5 | 8.430 | 7.461 | 36632226 | 34190463 | 265.158 | 259.725 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:02
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

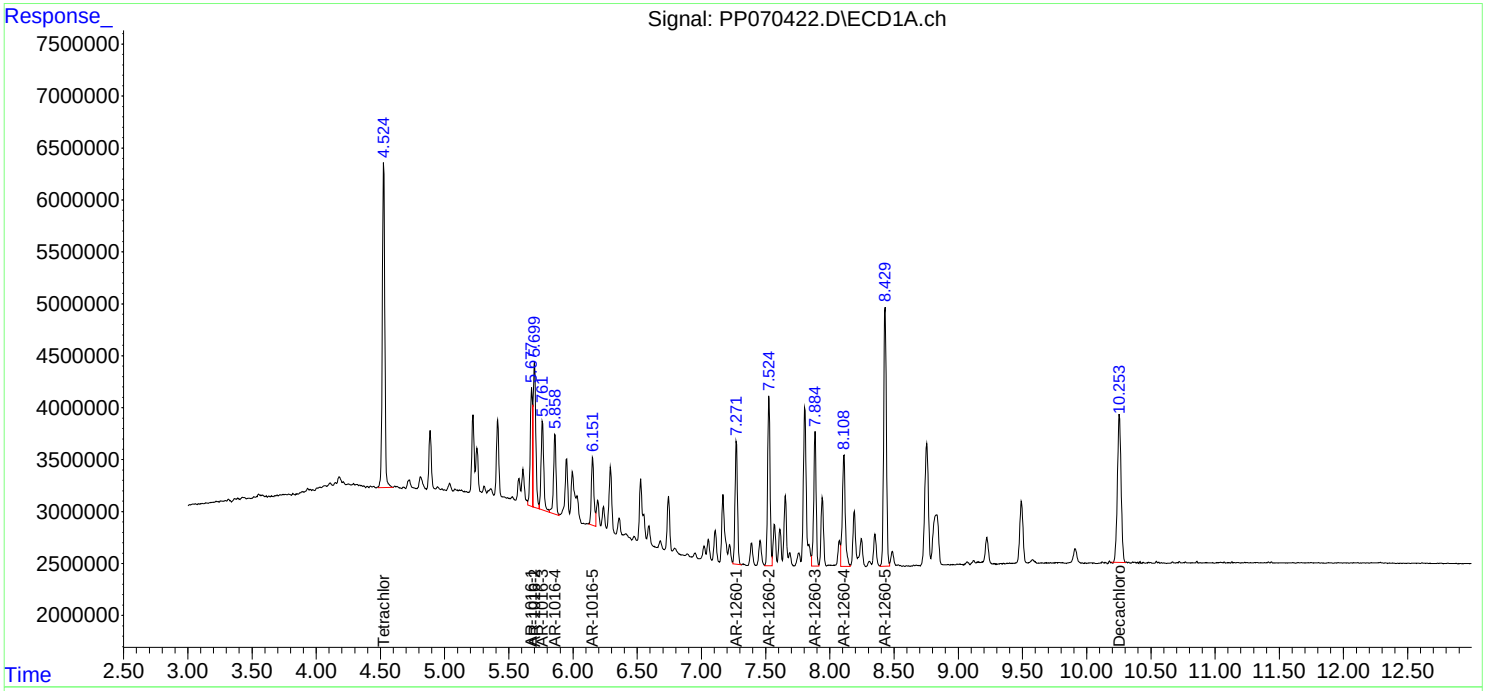
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

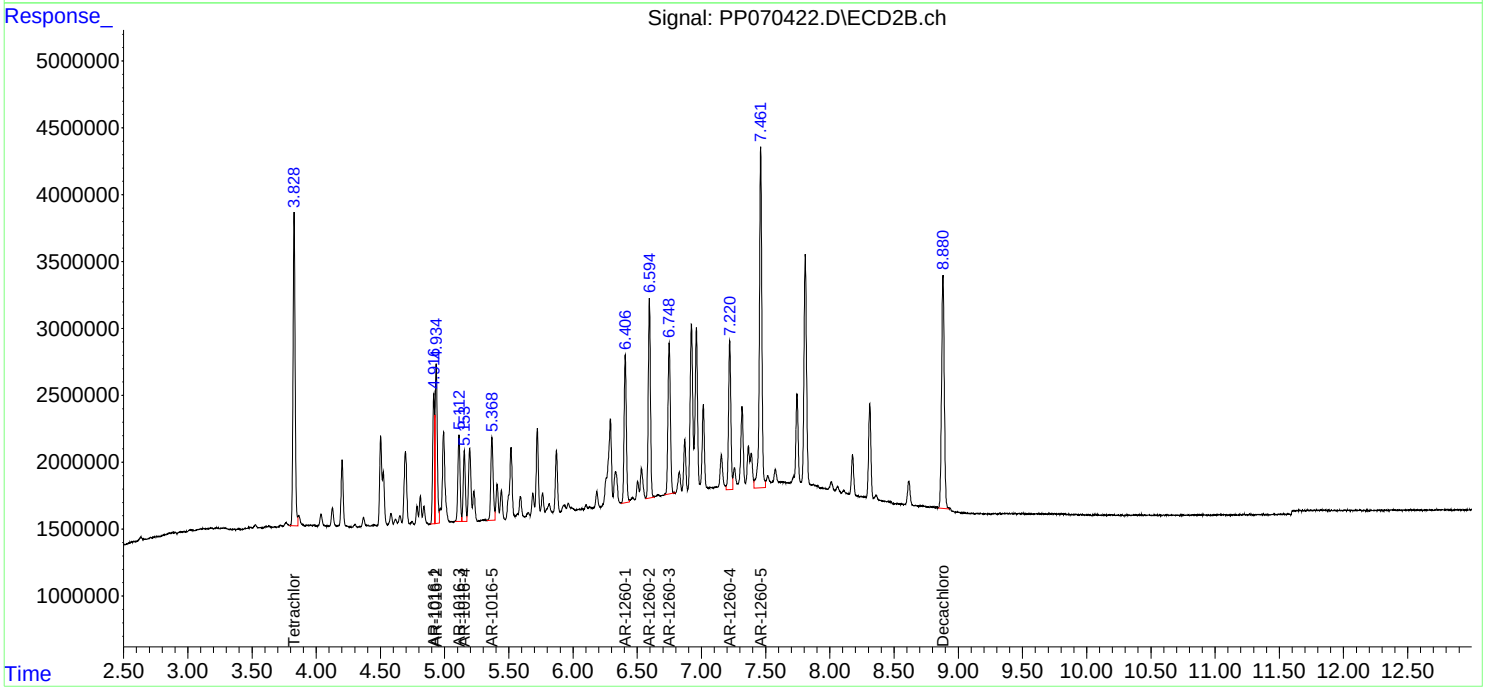
**Manual Integrations APPROVED**

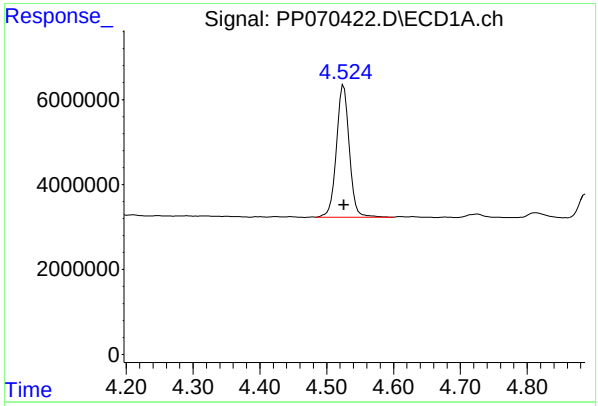
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:15:10 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





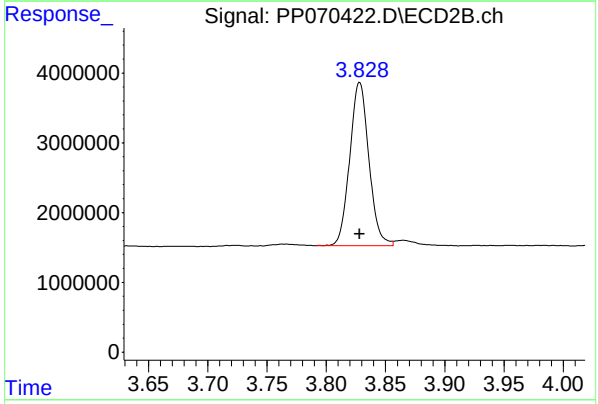

#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 mi
Response: 41531966
Conc: 26.67 ng/m

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

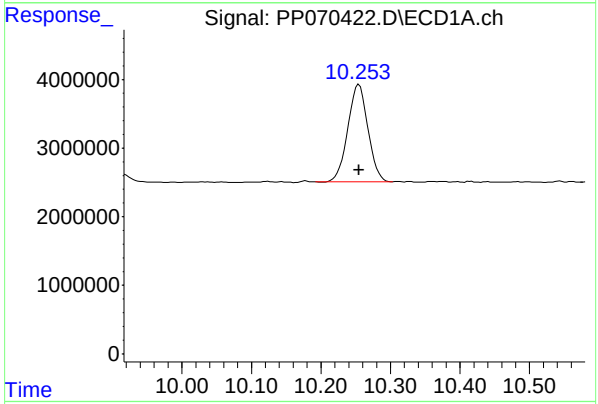
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



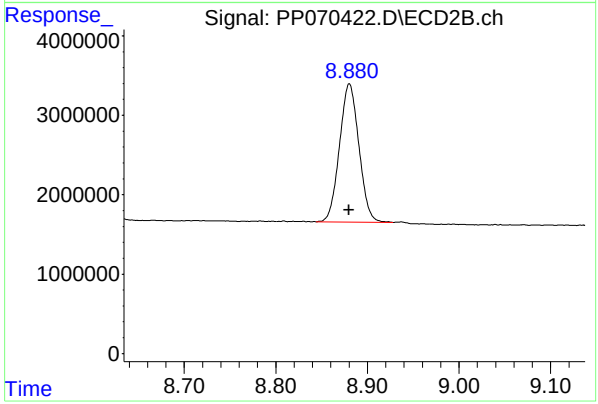

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26313383
Conc: 26.64 ng/ml



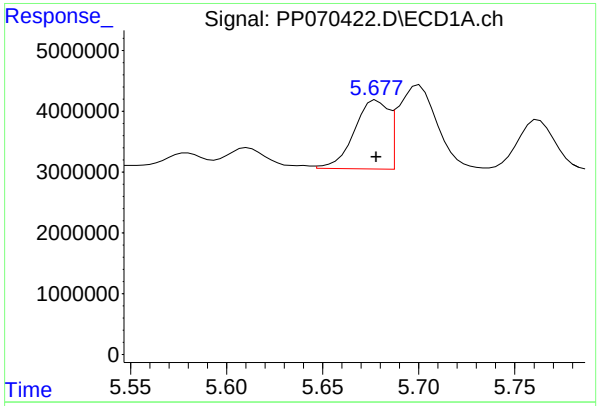

#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 28350211
Conc: 26.57 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 25677480
Conc: 26.33 ng/ml m



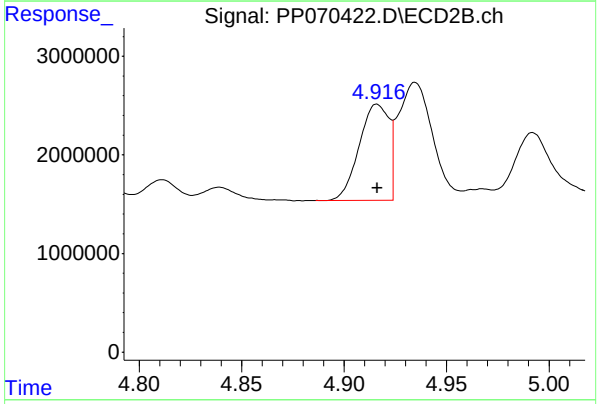

#3 AR-1016-1

R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 14080037
Conc: 278.23 ng/ml

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

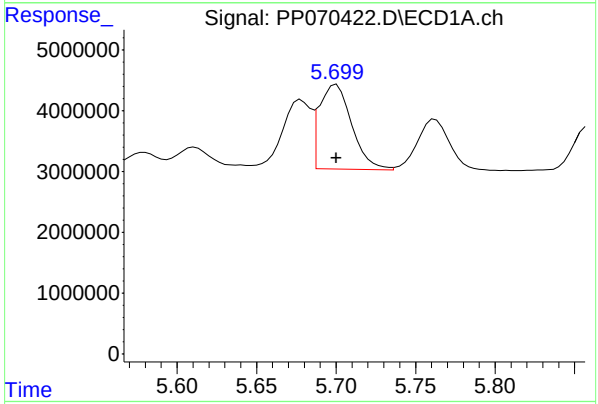
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



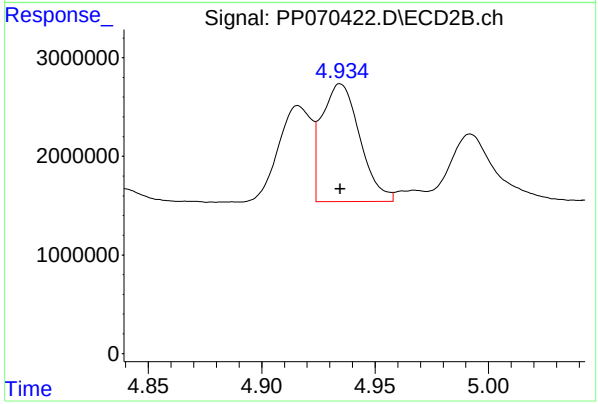

#3 AR-1016-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 9864390
Conc: 277.47 ng/ml



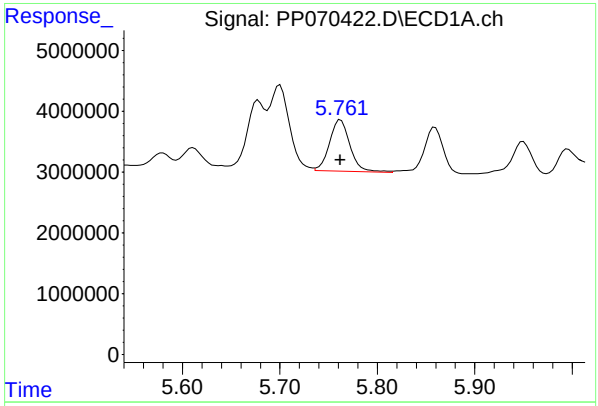

#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 19868297
Conc: 268.90 ng/ml




#4 AR-1016-2

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 13900874
Conc: 277.83 ng/ml



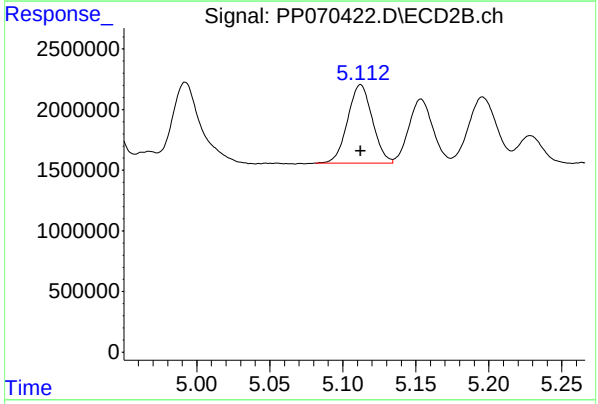

#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 12407402
Conc: 273.15 ng/ml

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

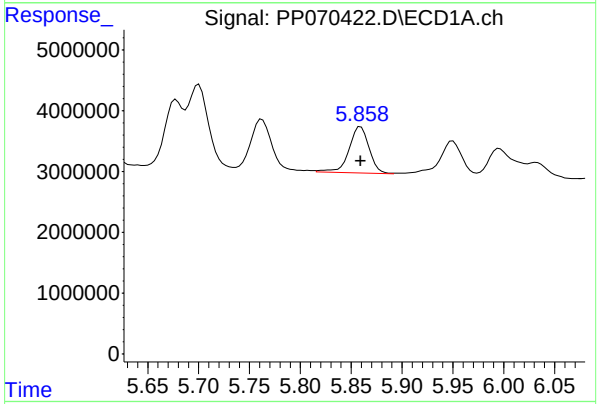
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



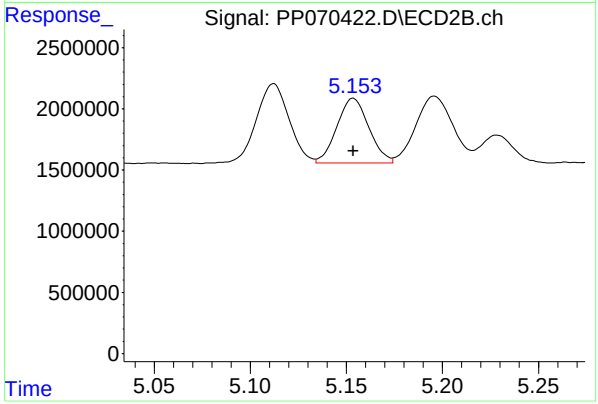

#5 AR-1016-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 7670971
Conc: 275.23 ng/ml



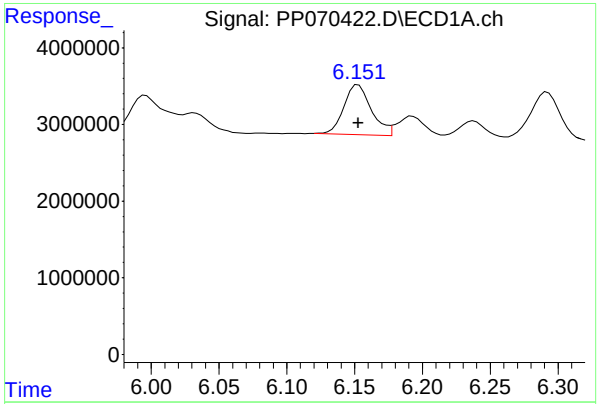

#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 10571757
Conc: 275.17 ng/ml




#6 AR-1016-4

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 6097437
Conc: 274.86 ng/ml



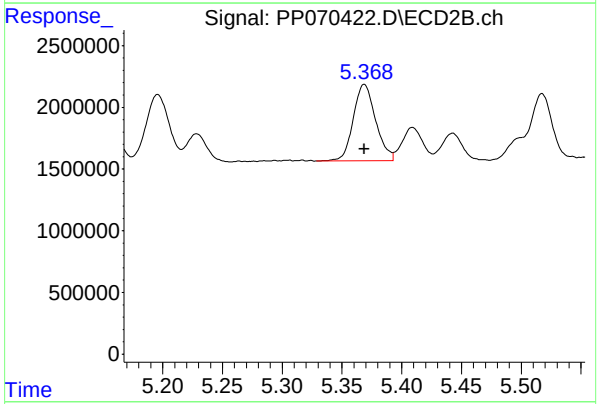

#7 AR-1016-5

R.T.: 6.153 min
Delta R.T.: 0.000 min
Response: 9142764
Conc: 264.37 ng/ml

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

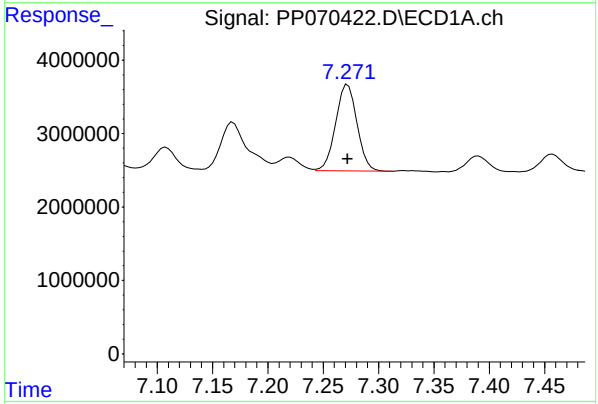
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



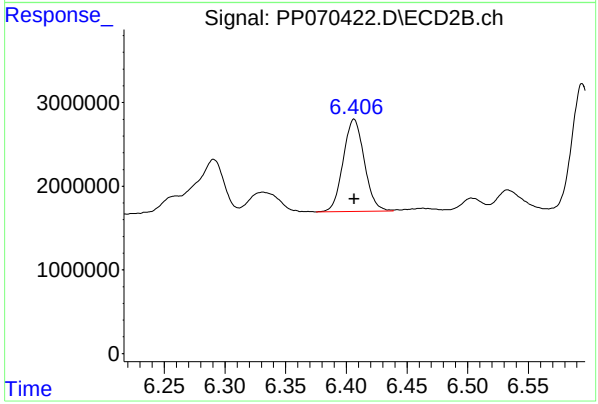

#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 8102490
Conc: 282.51 ng/ml



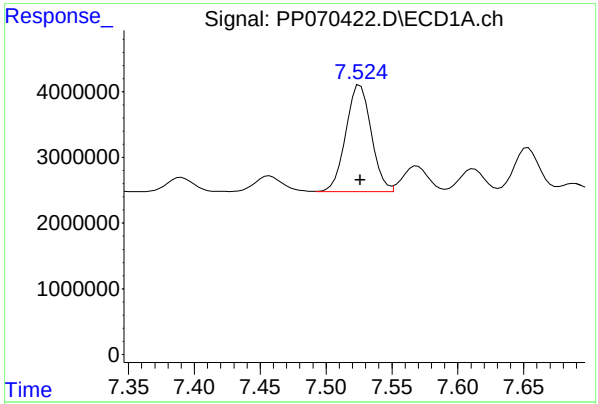

#31 AR-1260-1

R.T.: 7.272 min
Delta R.T.: 0.000 min
Response: 15812734
Conc: 266.61 ng/ml




#31 AR-1260-1

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 13410773
Conc: 272.83 ng/ml



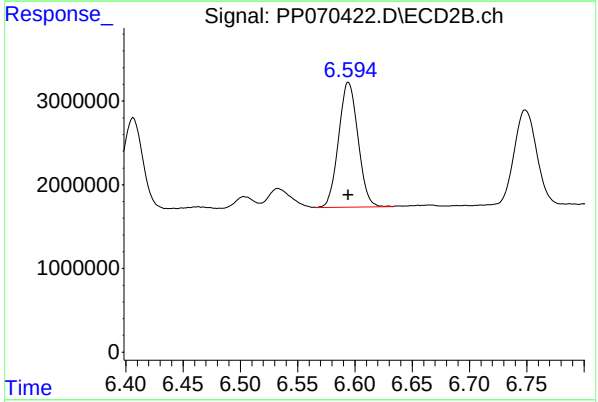

#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: 0.000 min
Response: 21836797
Conc: 268.68 ng/ml

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

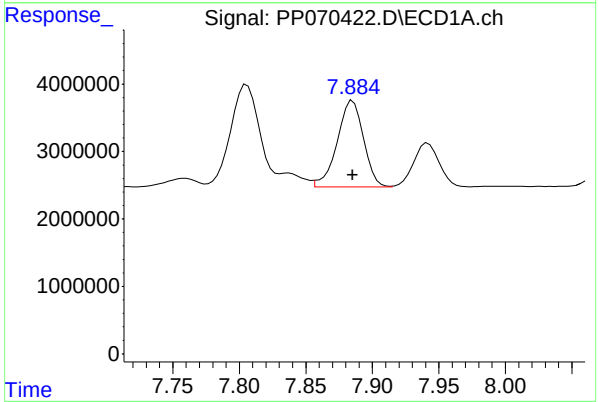
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



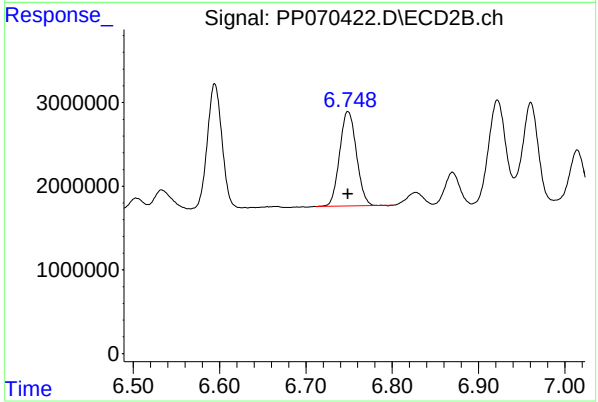

#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 17516742
Conc: 268.04 ng/ml



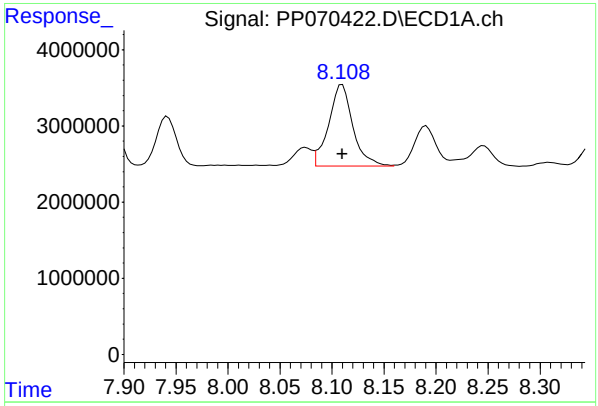

#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 17670532
Conc: 265.36 ng/ml




#33 AR-1260-3

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 15252750
Conc: 269.35 ng/ml



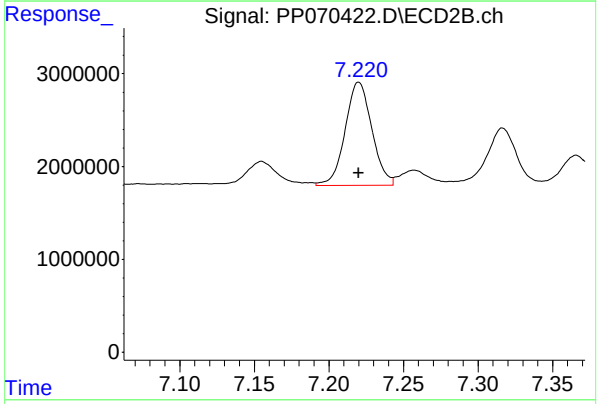

#34 AR-1260-4

R.T.: 8.110 min
Delta R.T.: 0.000 mi
Response: 17375887
Conc: 265.96 ng/m

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

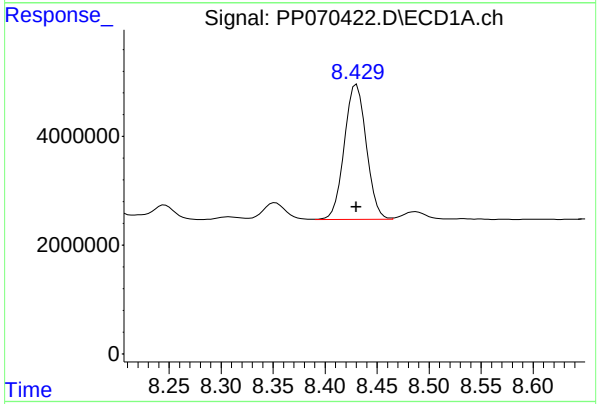
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



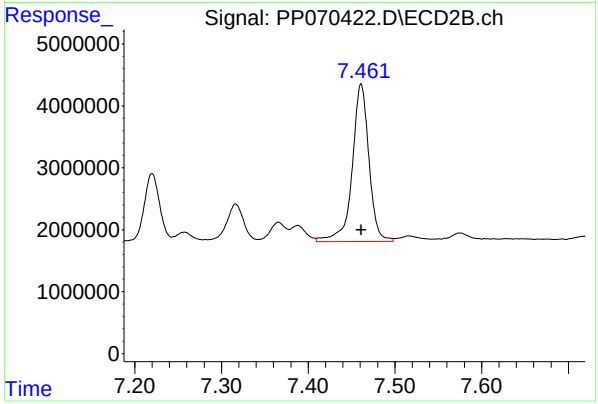

#34 AR-1260-4

R.T.: 7.220 min
Delta R.T.: 0.000 min
Response: 13889843
Conc: 269.14 ng/ml




#35 AR-1260-5

R.T.: 8.430 min
Delta R.T.: 0.000 min
Response: 36632226
Conc: 265.16 ng/ml




#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 34190463
Conc: 259.73 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:18
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:29:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:29:31 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... | 4.526 | 3.828 | 7739681 | 5305139 | 4.976 | 5.293 |
| 2) | SA Decachlor... | 10.252 | 8.882 | 5218274 | 4943985 | 4.912 | 5.053 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.676 | 4.917 | 2841545 | 1877865 | 53.987m | 52.232 |
| 4) | L1 AR-1016-2 | 5.699 | 4.936 | 3108517 | 2984969 | 42.895m | 57.440 # |
| 5) | L1 AR-1016-3 | 5.762 | 5.113 | 2299832 | 1539056 | 50.765m | 54.090 |
| 6) | L1 AR-1016-4 | 5.859 | 5.154 | 2075609 | 1160746 | 53.599m | 51.842 |
| 7) | L1 AR-1016-5 | 6.151 | 5.369 | 1738965 | 1693613 | 50.227 | 56.988 |
| 31) | L7 AR-1260-1 | 7.273 | 6.407 | 2822336 | 2615404 | 48.049 | 52.535 |
| 32) | L7 AR-1260-2 | 7.527 | 6.594 | 4256172 | 3451390 | 51.877 | 52.225 |
| 33) | L7 AR-1260-3 | 7.885 | 6.749 | 3121384 | 2973566 | 47.468 | 51.988 |
| 34) | L7 AR-1260-4 | 8.110 | 7.221 | 3269147 | 2469332 | 50.031 | 48.460m |
| 35) | L7 AR-1260-5 | 8.431 | 7.461 | 6538931 | 5868129 | 47.842 | 45.416m |

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

ICAL Form

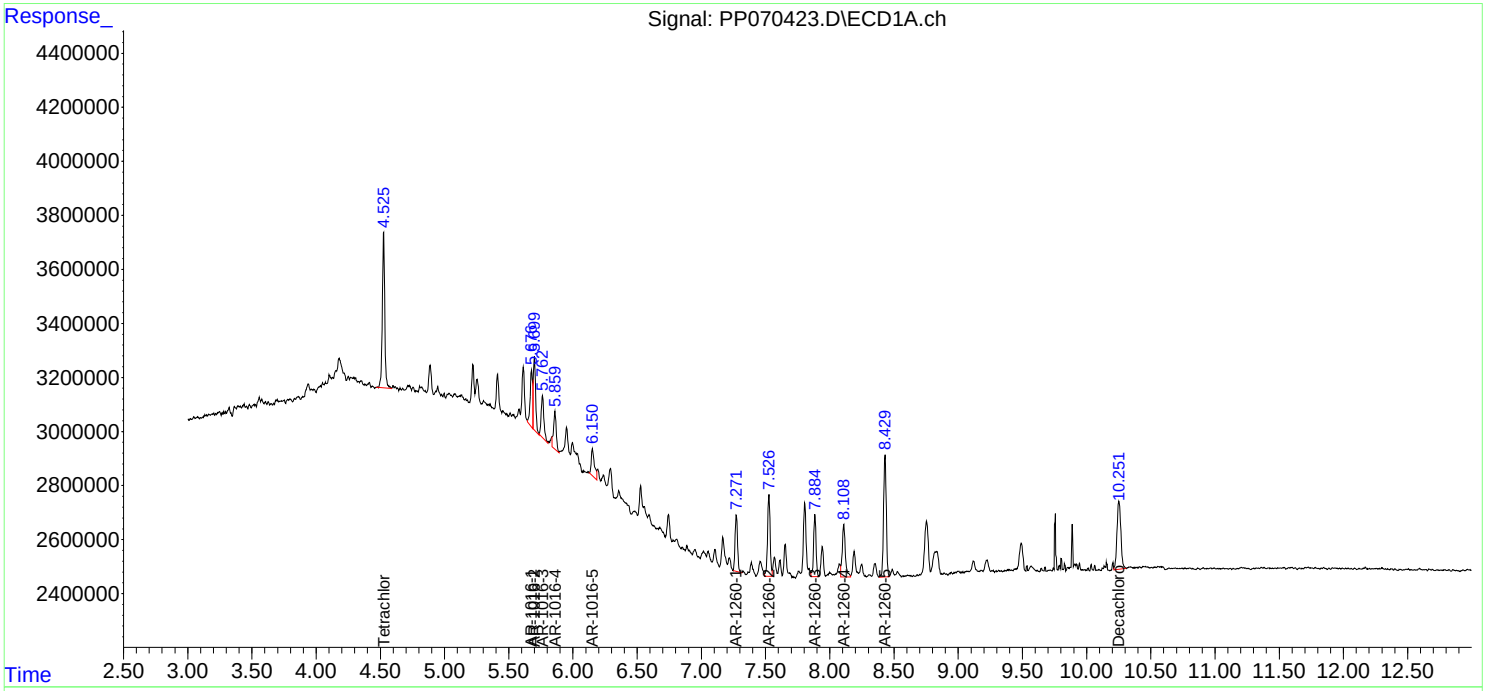
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:18
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

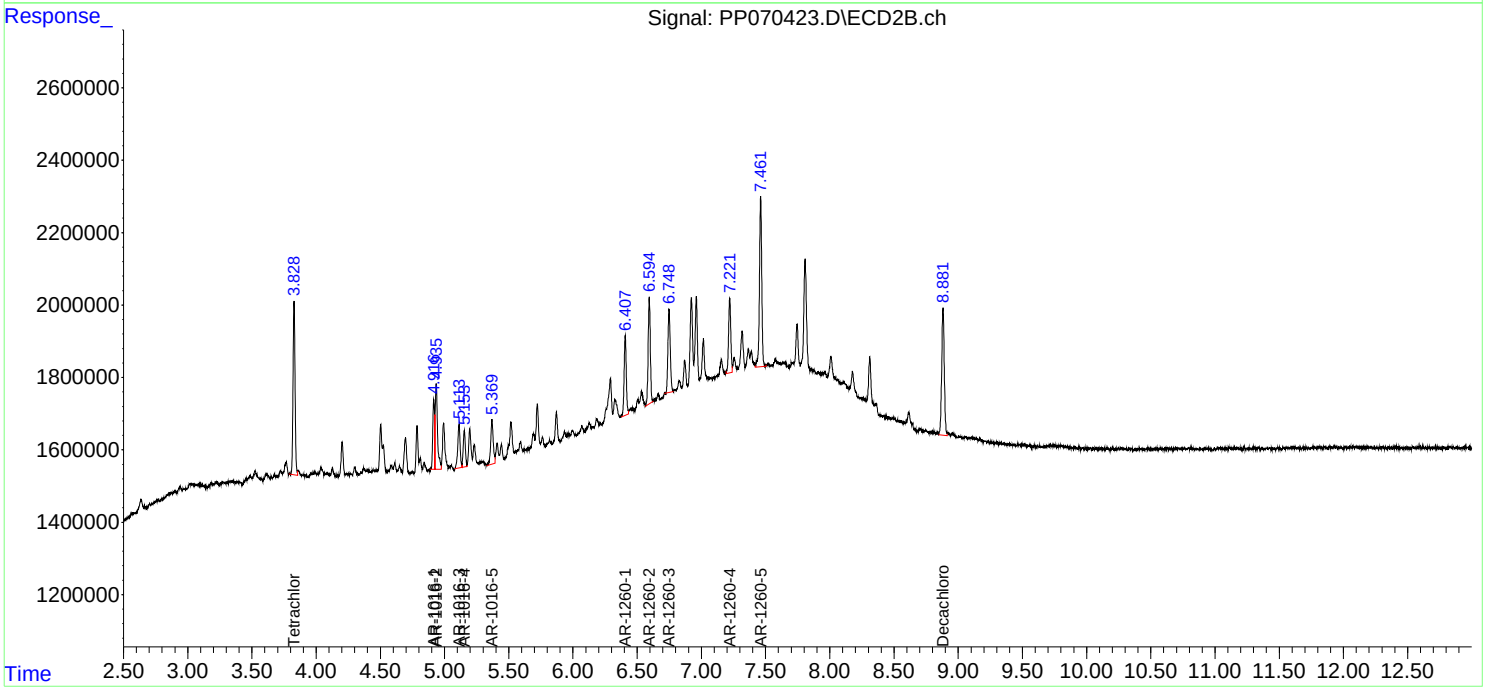
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

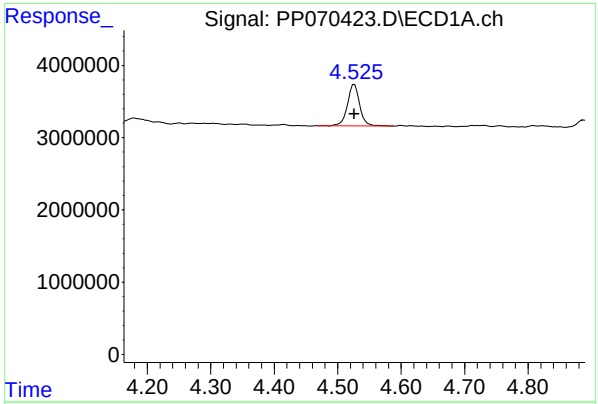
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 16:29:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 16:29:31 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





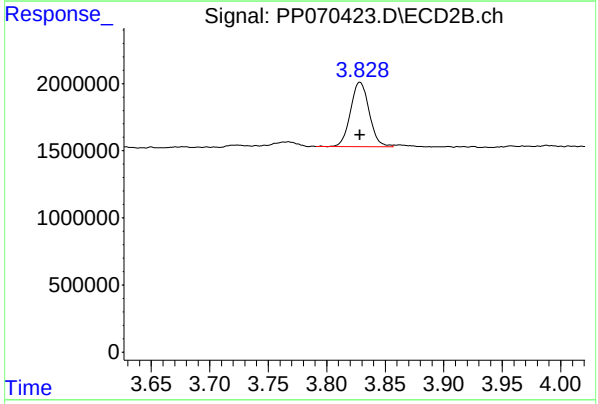

#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 7739681
Conc: 4.98 ng/ml

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

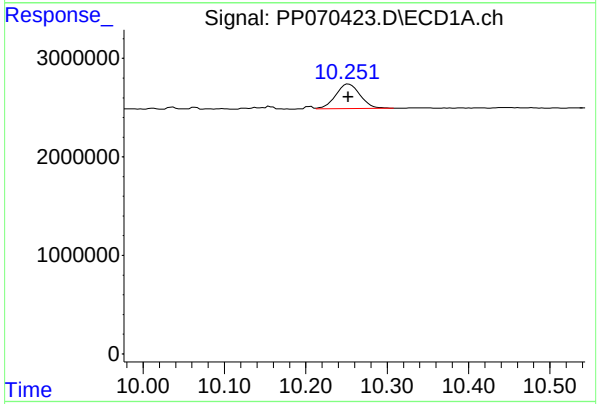
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



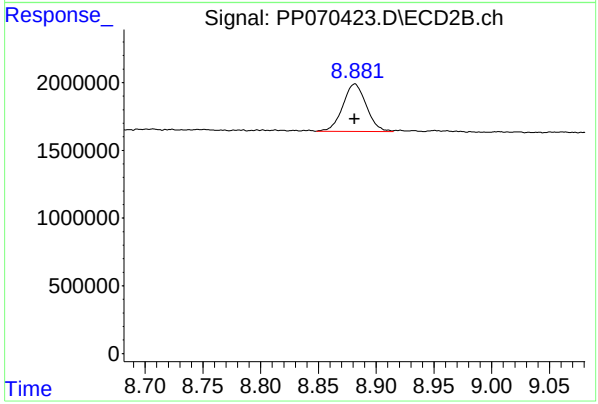

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5305139
Conc: 5.29 ng/ml



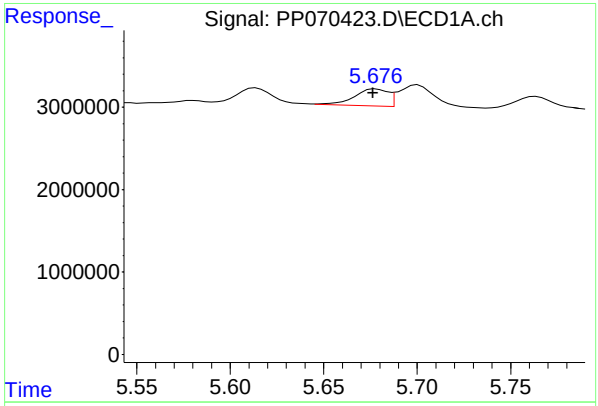

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 5218274
Conc: 4.91 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 4943985
Conc: 5.05 ng/ml



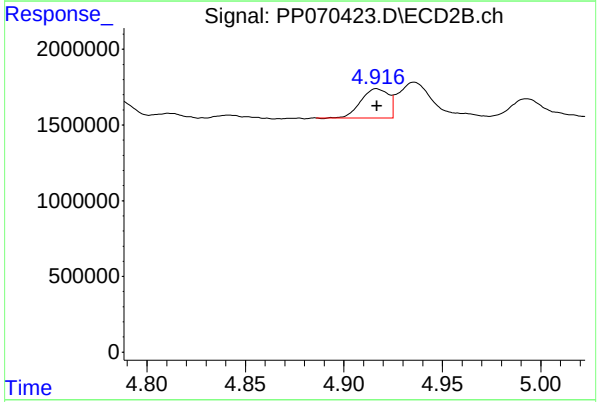

#3 AR-1016-1

R.T.: 5.676 min
Delta R.T.: 0.000 mi
Response: 2841545
Conc: 53.99 ng/m

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

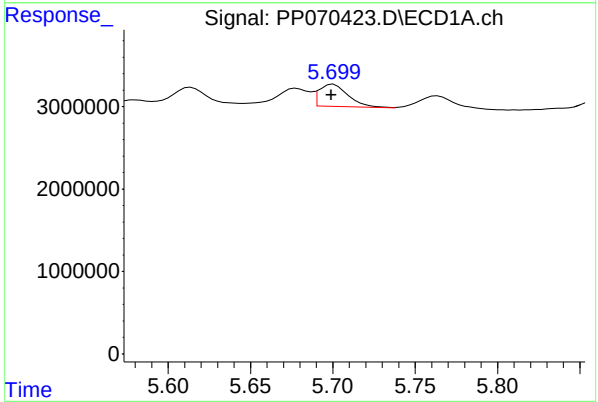
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



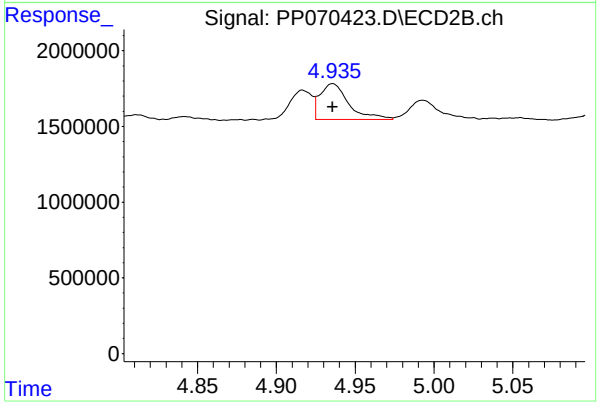

#3 AR-1016-1

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 1877865
Conc: 52.23 ng/ml



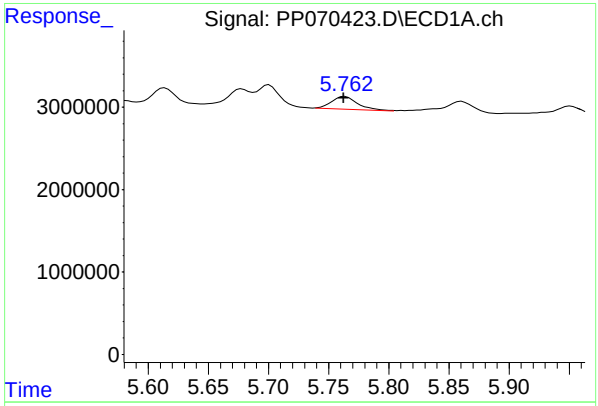

#4 AR-1016-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 3108517
Conc: 42.89 ng/ml m




#4 AR-1016-2

R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 2984969
Conc: 57.44 ng/ml



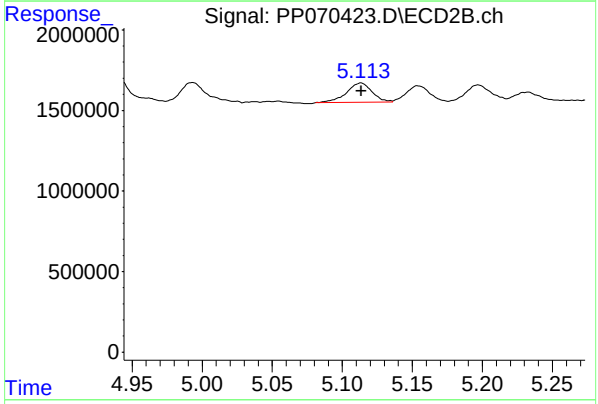

#5 AR-1016-3

R.T.: 5.762 min
Delta R.T.: 0.000 mi
Response: 2299832
Conc: 50.76 ng/m

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

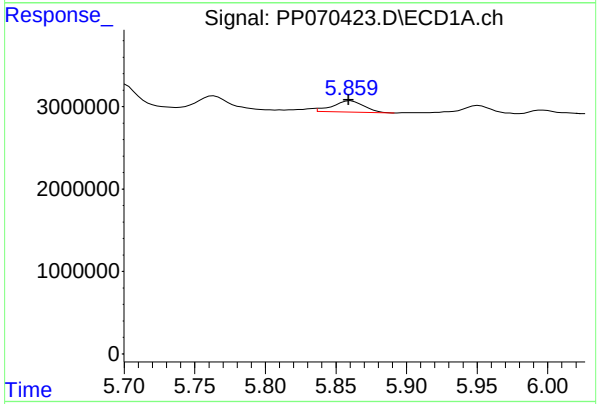
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



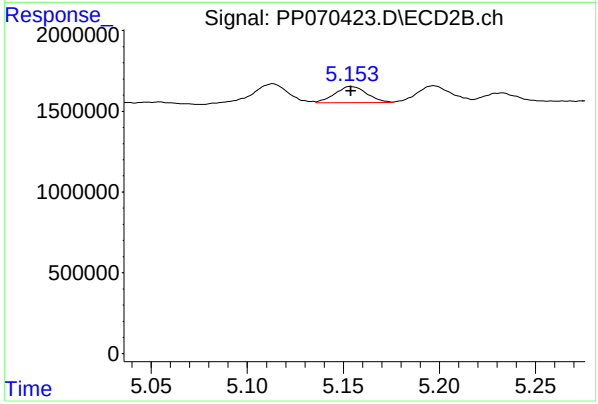

#5 AR-1016-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 1539056
Conc: 54.09 ng/ml



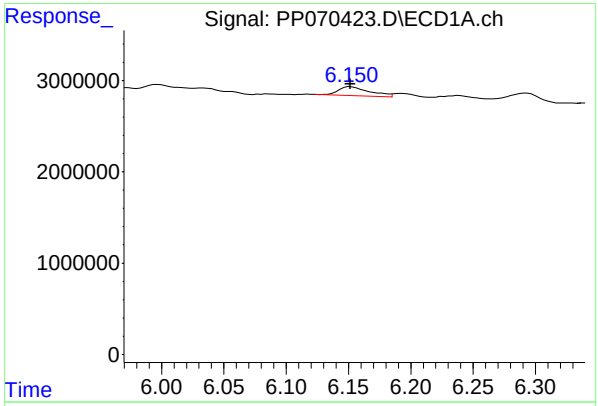

#6 AR-1016-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 2075609
Conc: 53.60 ng/ml m




#6 AR-1016-4

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 1160746
Conc: 51.84 ng/ml



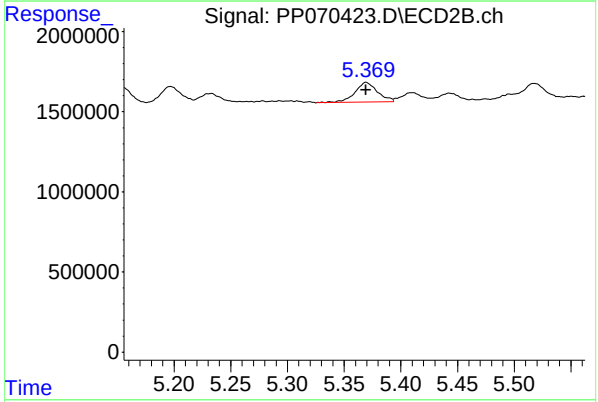

#7 AR-1016-5

R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 1738965
Conc: 50.23 ng/ml

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

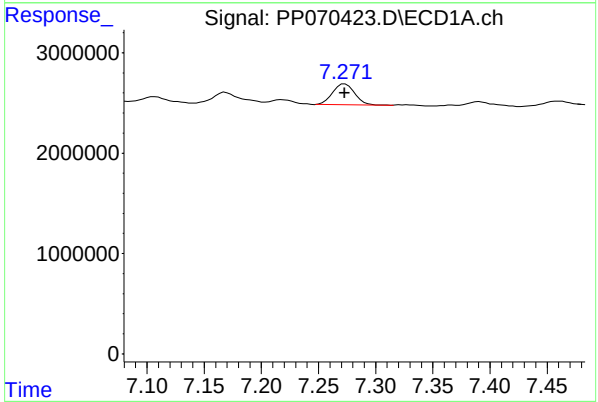
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



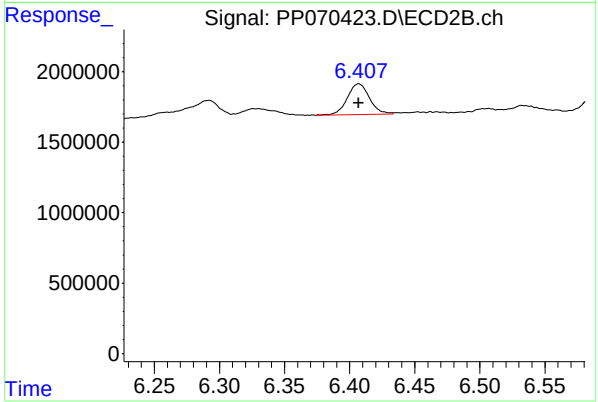

#7 AR-1016-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1693613
Conc: 56.99 ng/ml



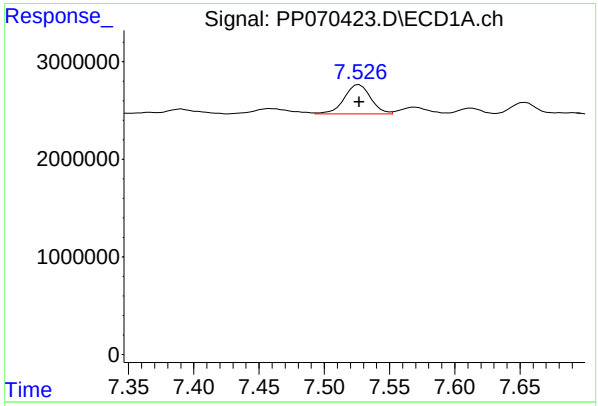

#31 AR-1260-1

R.T.: 7.273 min
Delta R.T.: 0.000 min
Response: 2822336
Conc: 48.05 ng/ml




#31 AR-1260-1

R.T.: 6.407 min
Delta R.T.: 0.000 min
Response: 2615404
Conc: 52.53 ng/ml



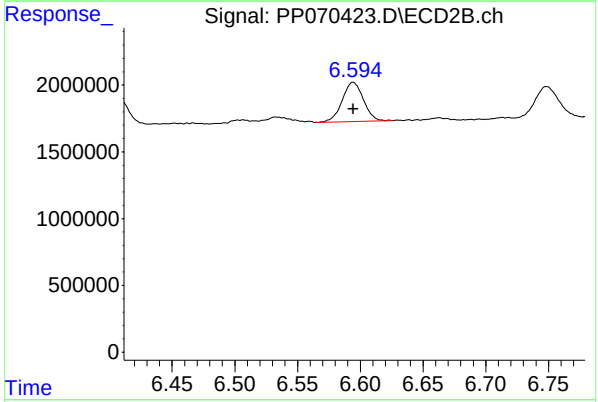

#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.000 mi
Response: 4256172
Conc: 51.88 ng/m

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

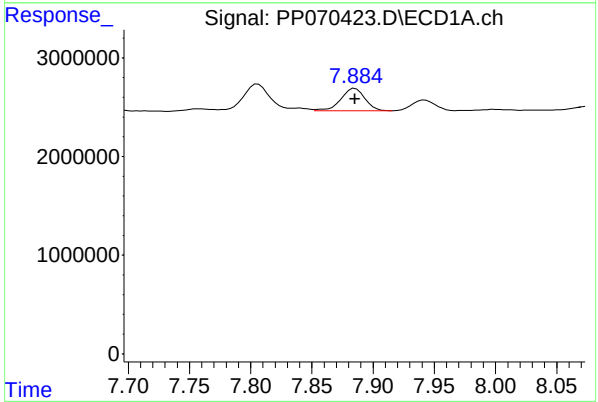
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



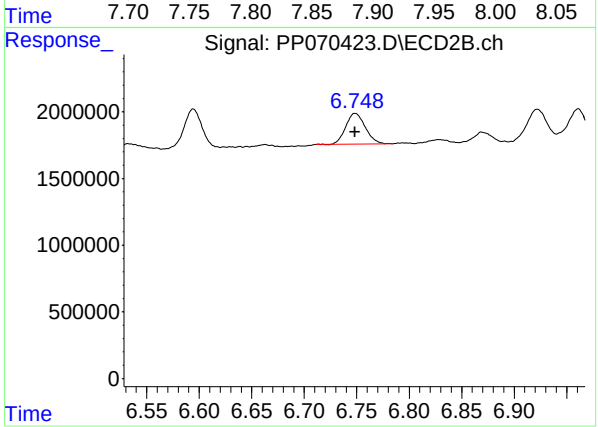

#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 3451390
Conc: 52.22 ng/ml



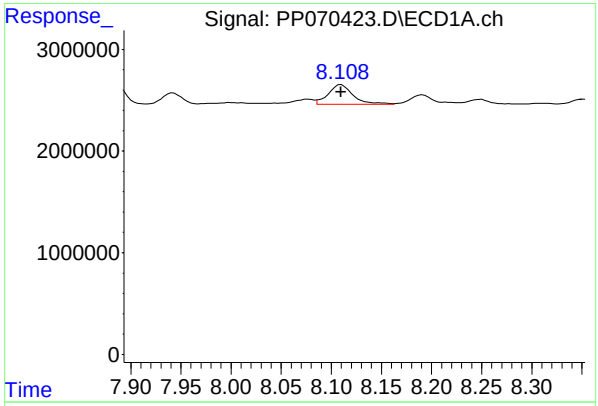

#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.000 min
Response: 3121384
Conc: 47.47 ng/ml




#33 AR-1260-3

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 2973566
Conc: 51.99 ng/ml



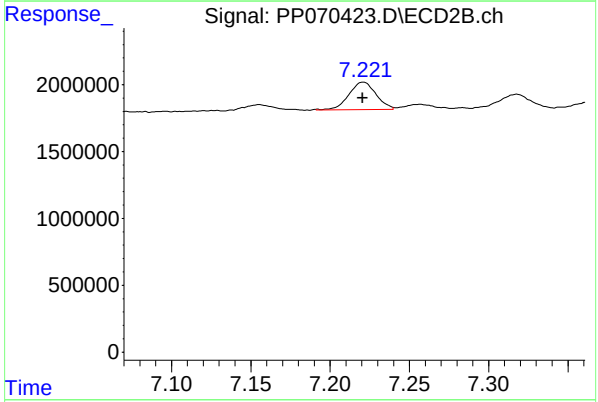

#34 AR-1260-4

R.T.: 8.110 min
Delta R.T.: 0.000 mi
Response: 3269147
Conc: 50.03 ng/m

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

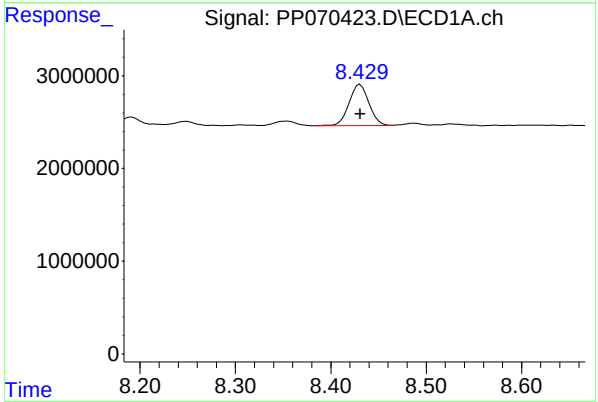
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



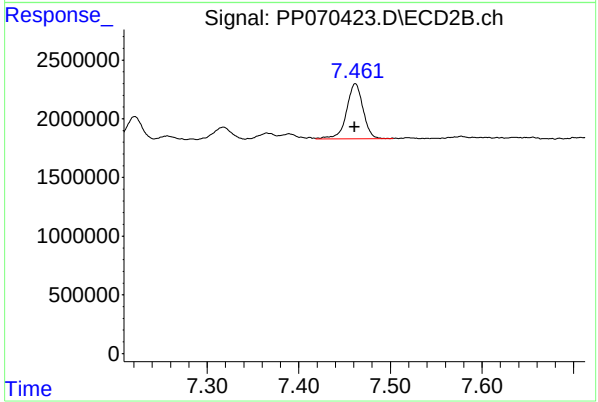

#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: 0.000 min
Response: 2469332
Conc: 48.46 ng/ml m




#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.000 min
Response: 6538931
Conc: 47.84 ng/ml




#35 AR-1260-5

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 5868129
Conc: 45.42 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:34
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: Mar 11 21:54:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:54:12 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... | 4.527 | 3.829 | 85559870 | 52860952 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.253 | 8.882 | 57800559 | 48491420 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.728 | 4.040 | 9970034 | 7441268 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.814 | 4.127 | 7304344 | 5714551 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.889 | 4.203 | 22182343 | 16710871 | 500.000 | 500.000 |

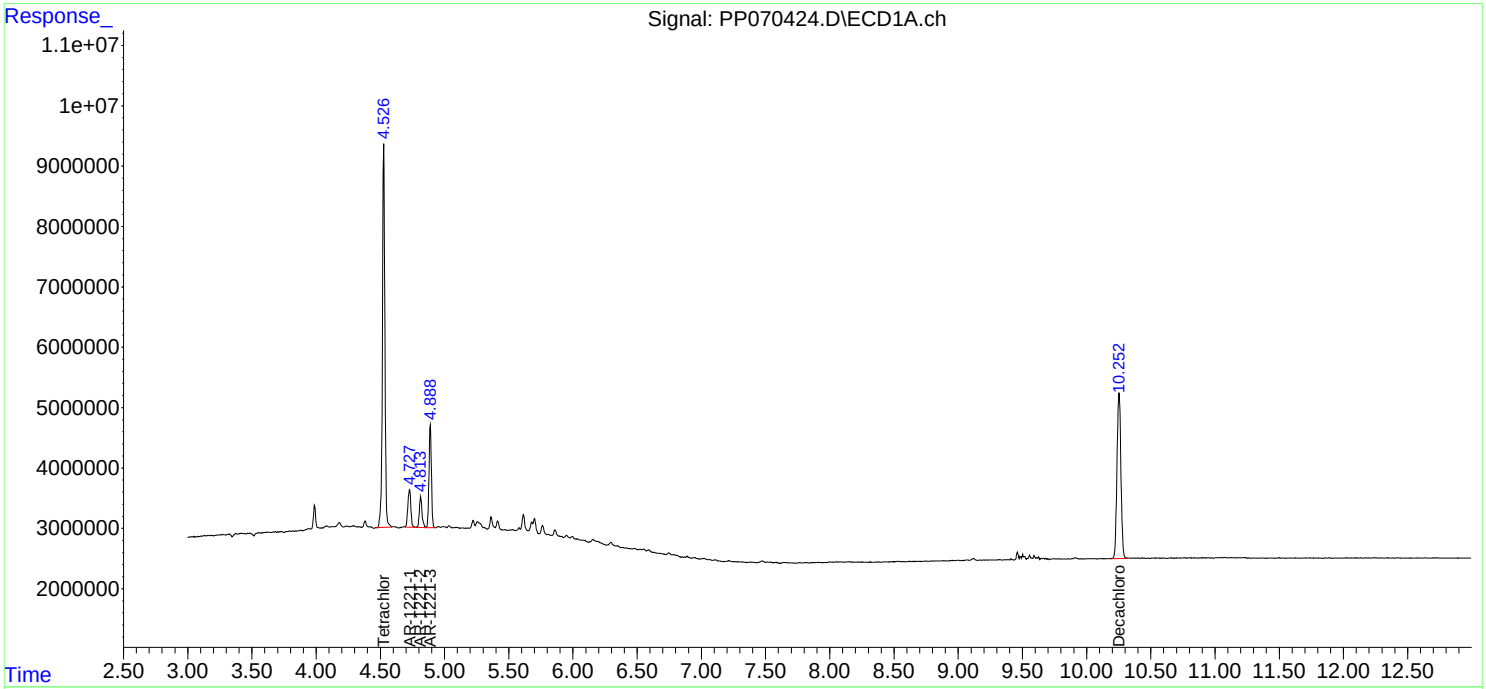
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

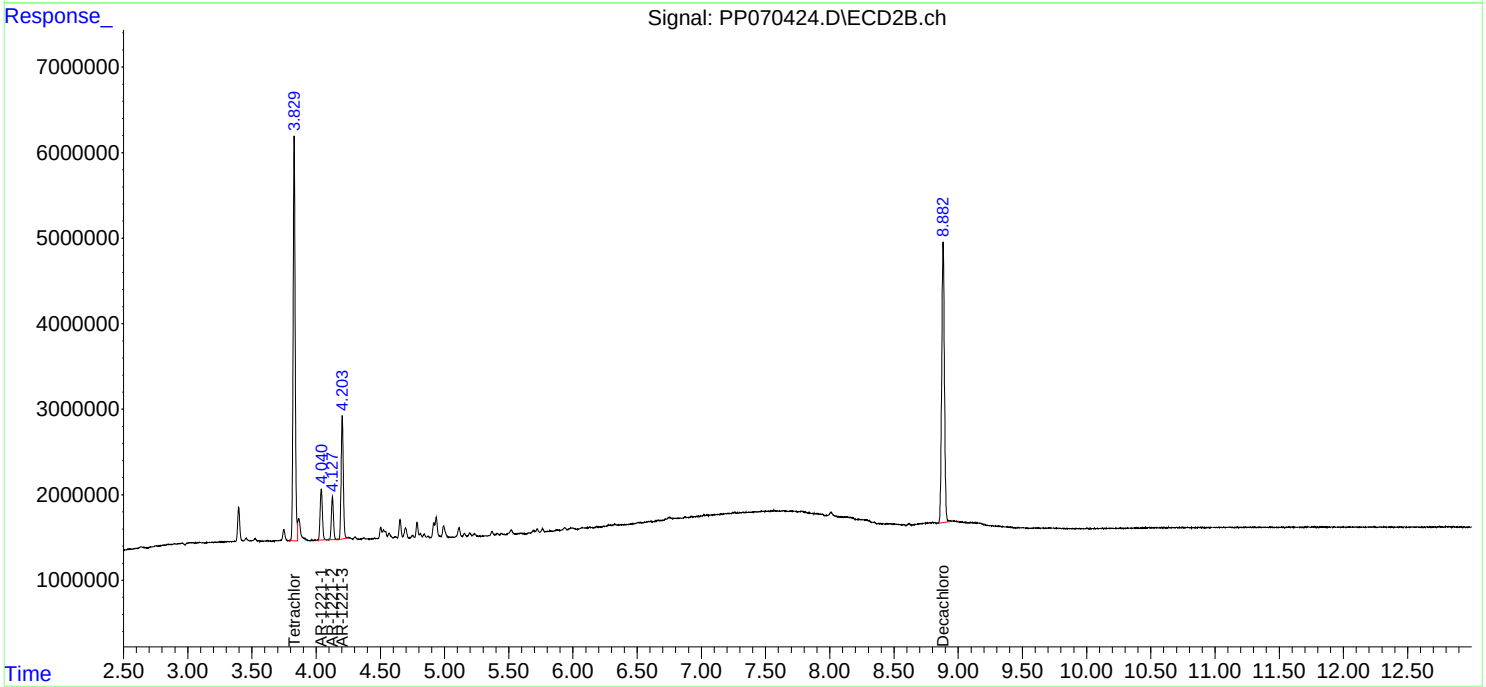
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070424.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:34
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

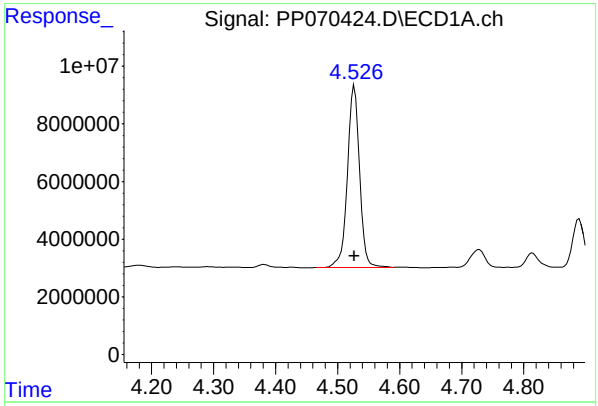
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:54:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:54:12 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



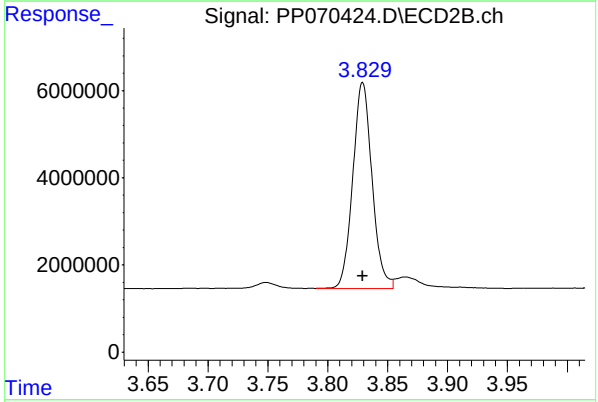






#1 Tetrachloro-m-xylene

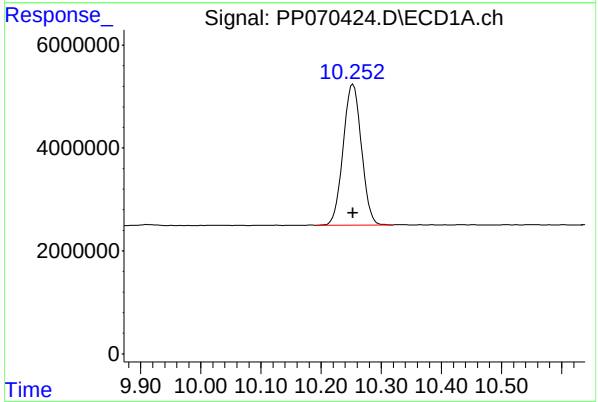
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 85559870
Conc: 50.00 ng/ml

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



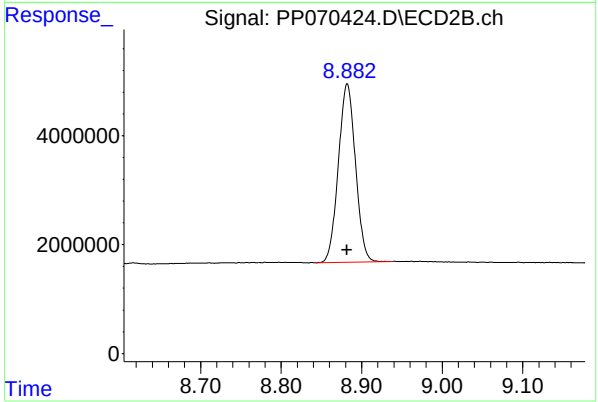

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 52860952
Conc: 50.00 ng/ml



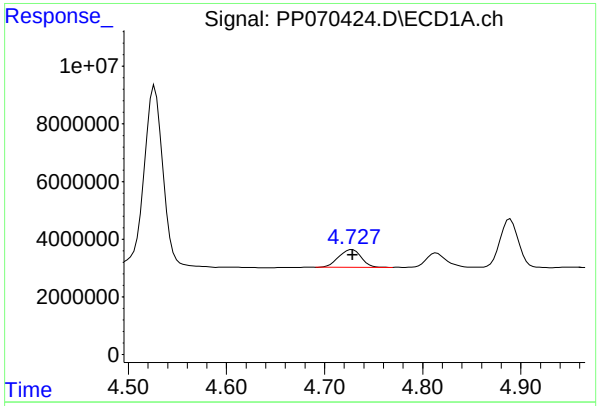

#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 57800559
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

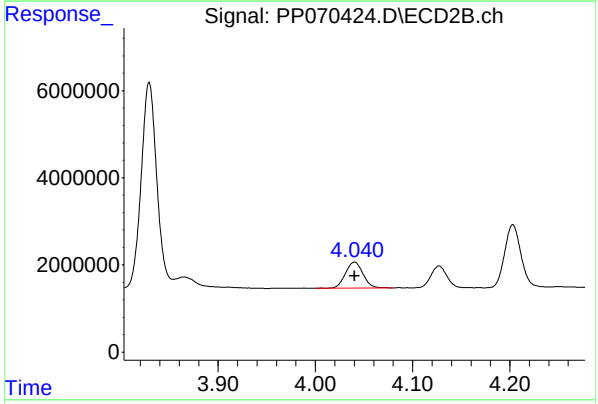
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 48491420
Conc: 50.00 ng/ml




#8 AR-1221-1

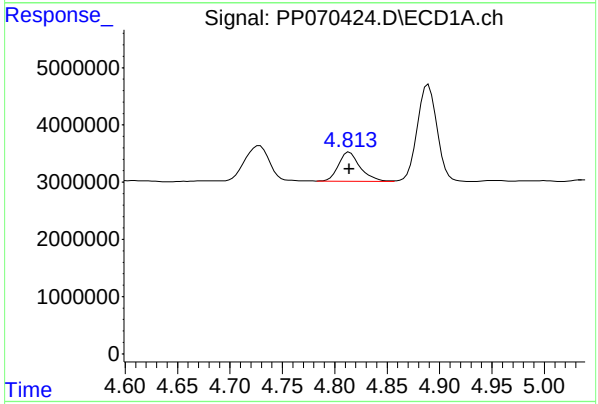
R.T.: 4.728 min
Delta R.T.: 0.000 min
Response: 9970034
Conc: 500.00 ng/ml

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



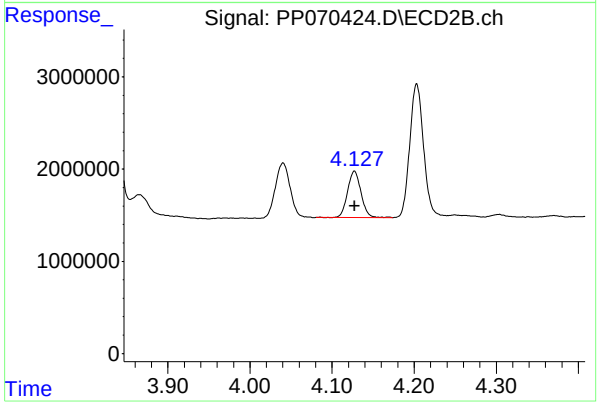

#8 AR-1221-1

R.T.: 4.040 min
Delta R.T.: 0.000 min
Response: 7441268
Conc: 500.00 ng/ml



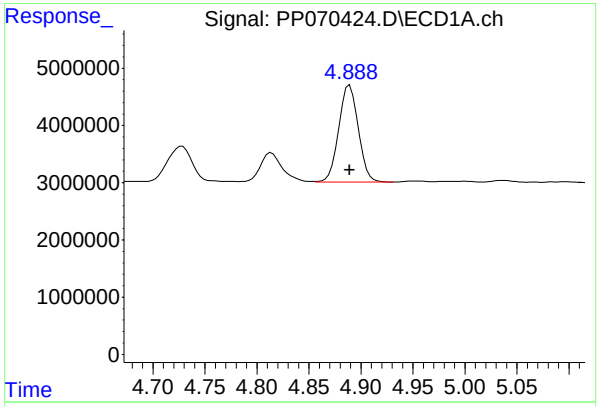

#9 AR-1221-2

R.T.: 4.814 min
Delta R.T.: 0.000 min
Response: 7304344
Conc: 500.00 ng/ml




#9 AR-1221-2

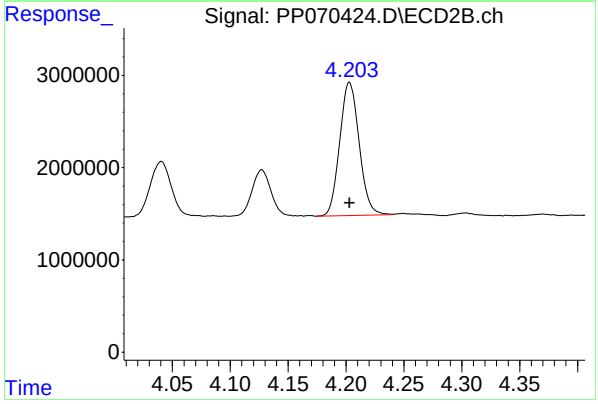
R.T.: 4.127 min
Delta R.T.: 0.000 min
Response: 5714551
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.889 min
Delta R.T.: 0.000 min
Response: 22182343
Conc: 500.00 ng/ml

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




#10 AR-1221-3

R.T.: 4.203 min
Delta R.T.: 0.000 min
Response: 16710871
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:51
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: Mar 11 21:59:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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... | 4.525 | 3.828 | 150.4E6 | 98129431 | 92.351 | 95.548 |
| 2) | SA Decachlor... | 10.253 | 8.882 | 100.7E6 | 92359197 | 90.743 | 95.702 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.887 | 4.202 | 31812517 | 23977464 | 913.736 | 926.616 |
| 12) | L3 AR-1232-2 | 5.413 | 4.935 | 16331114 | 23409194 | 922.165 | 929.728 |
| 13) | L3 AR-1232-3 | 5.699 | 5.112 | 33685372 | 12864968 | 894.673 | 935.420 |
| 14) | L3 AR-1232-4 | 5.859 | 5.197 | 17112653 | 10909254 | 906.329 | 934.217 |
| 15) | L3 AR-1232-5 | 5.949 | 5.369 | 12358074 | 12122932 | 908.882 | 928.836 |

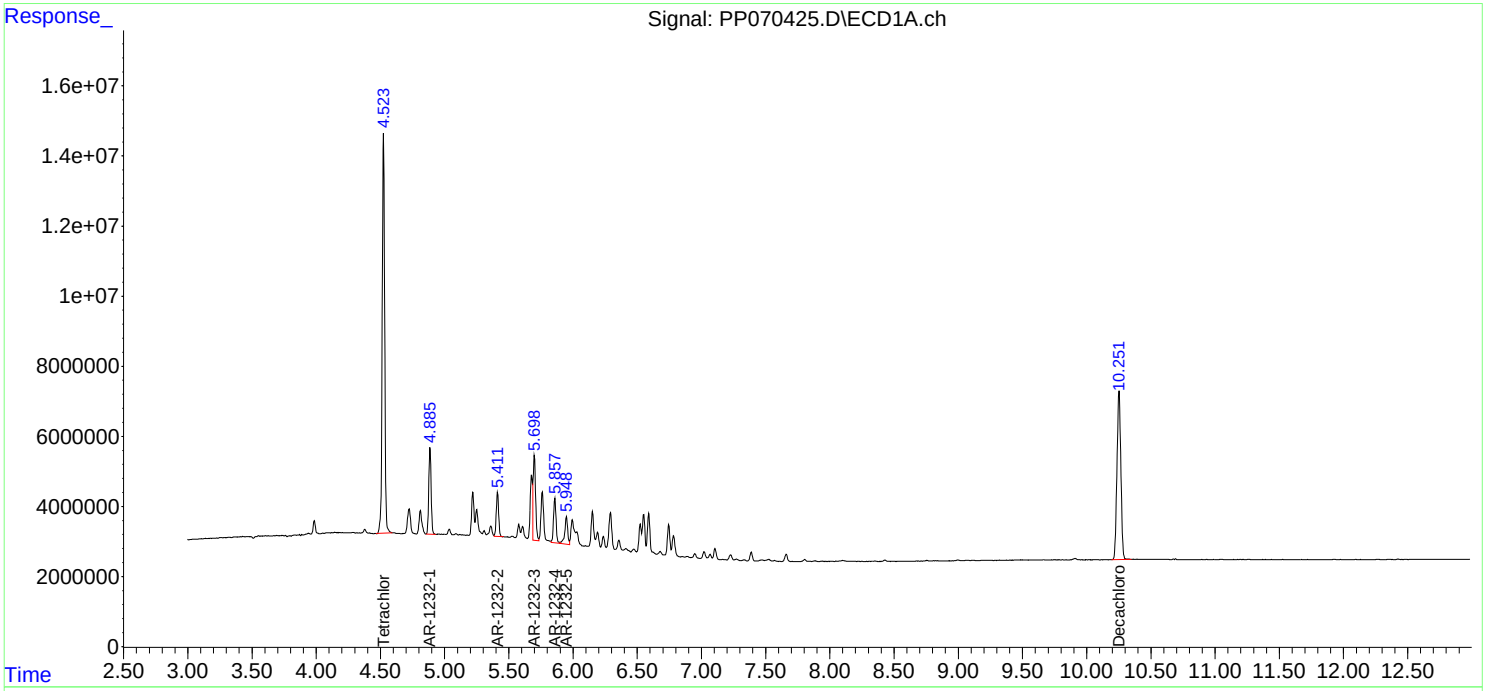
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

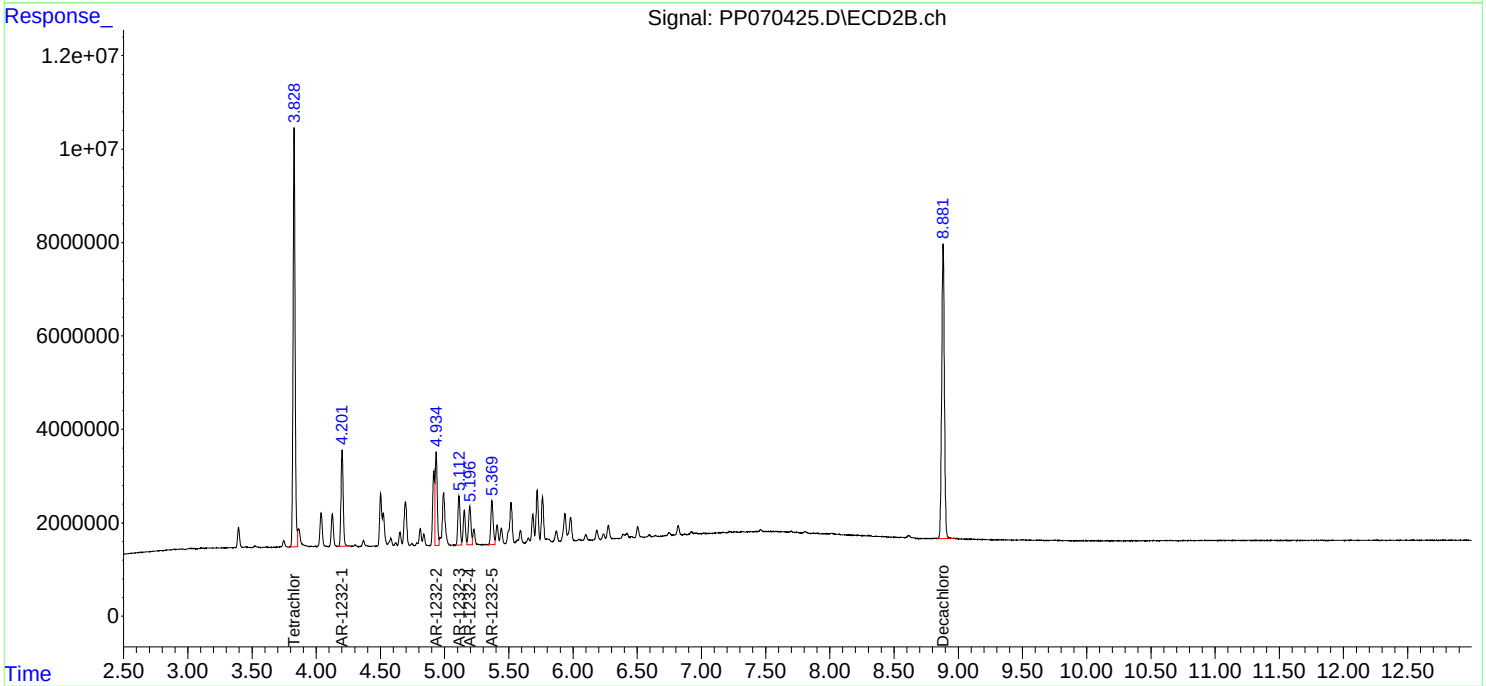
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070425.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 16:51
Operator : YP\AJ
Sample : AR1232ICC1000
Misc :
ALS Vial : 9 Sample Multiplier: 1

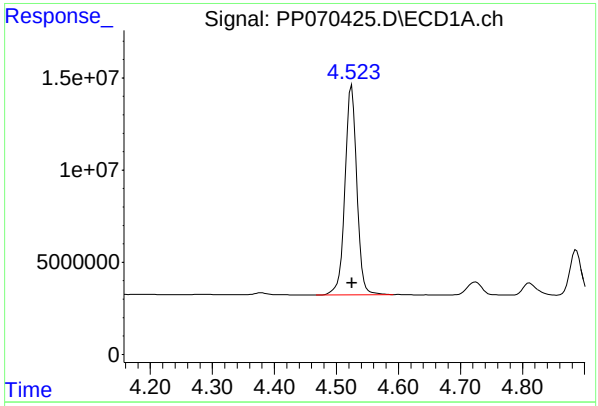
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



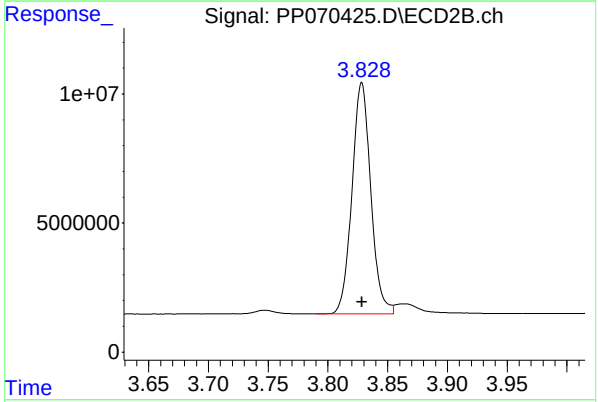






#1 Tetrachloro-m-xylene

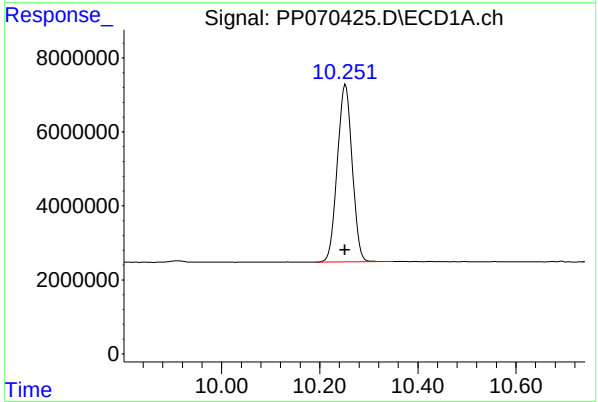
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 150387044
Conc: 92.35 ng/ml

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



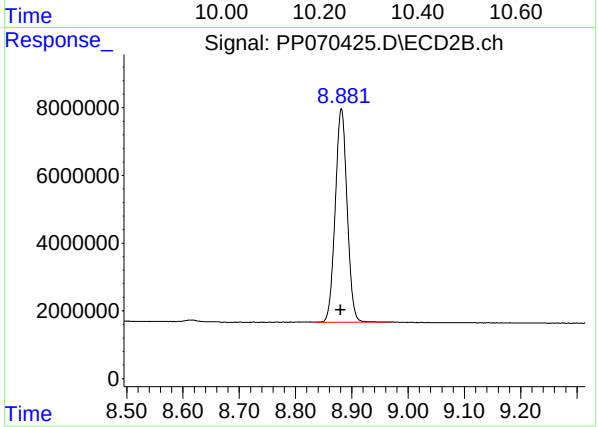

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 98129431
Conc: 95.55 ng/ml



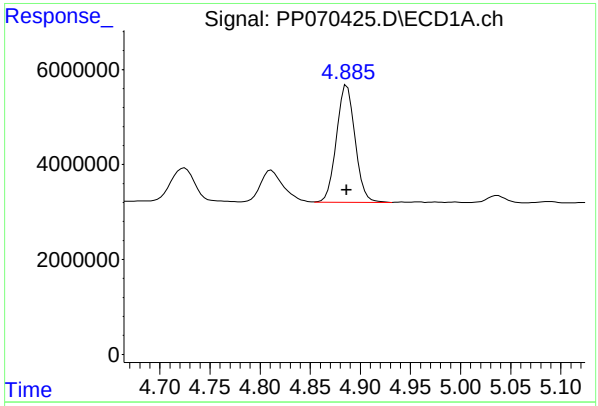

#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.001 min
Response: 100734664
Conc: 90.74 ng/ml




#2 Decachlorobiphenyl

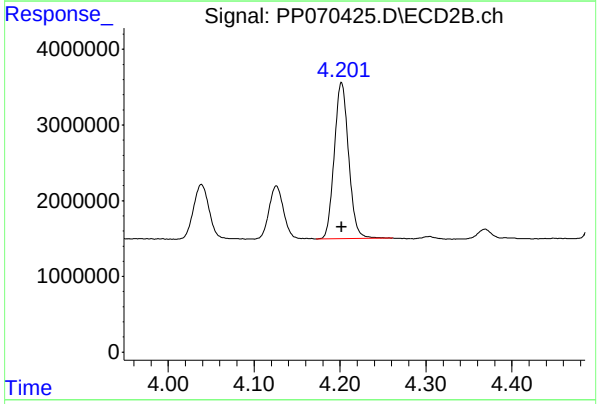
R.T.: 8.882 min
Delta R.T.: 0.001 min
Response: 92359197
Conc: 95.70 ng/ml




#11 AR-1232-1

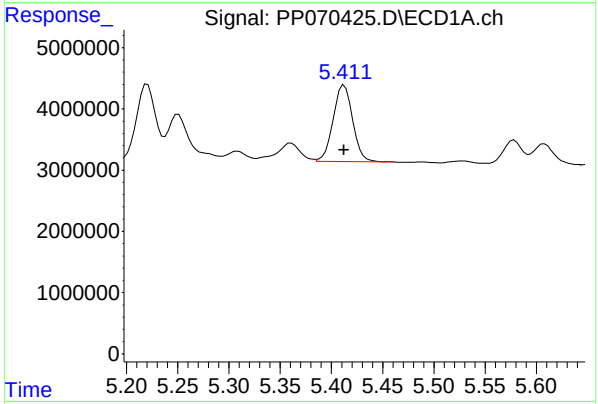
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 31812517
Conc: 913.74 ng/ml

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



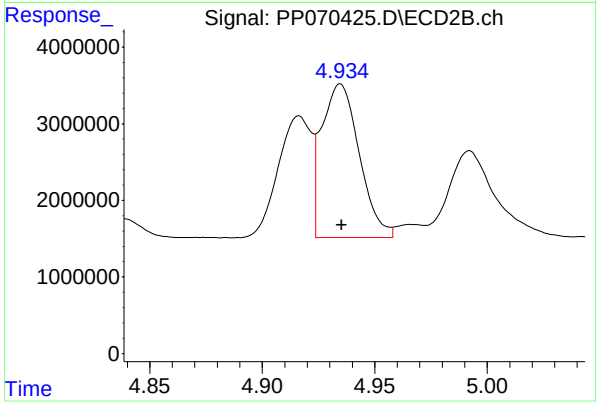

#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 23977464
Conc: 926.62 ng/ml



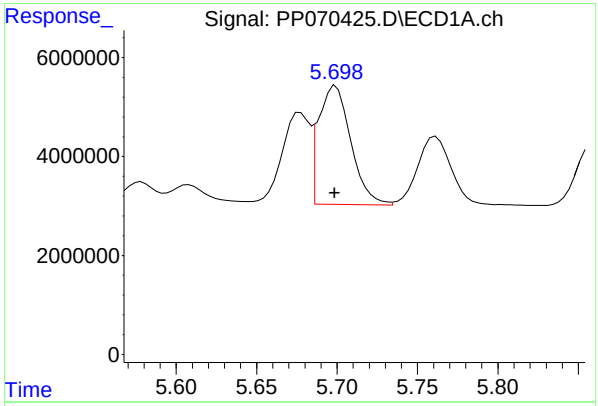

#12 AR-1232-2

R.T.: 5.413 min
Delta R.T.: 0.000 min
Response: 16331114
Conc: 922.17 ng/ml




#12 AR-1232-2

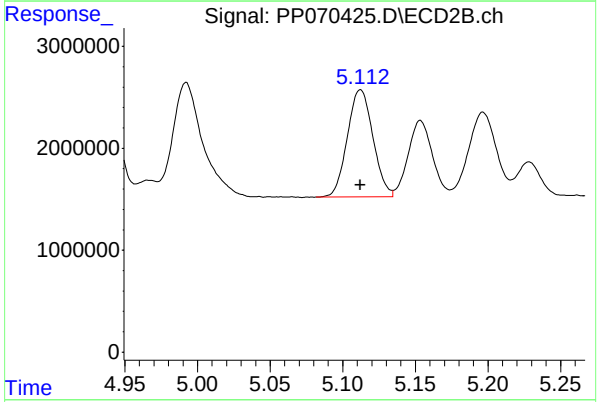
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 23409194
Conc: 929.73 ng/ml




#13 AR-1232-3

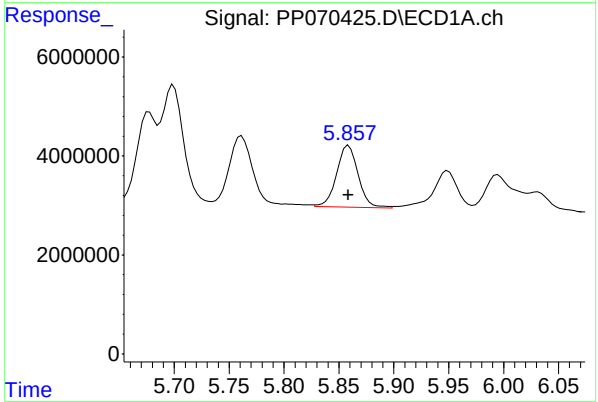
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 33685372
Conc: 894.67 ng/ml

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



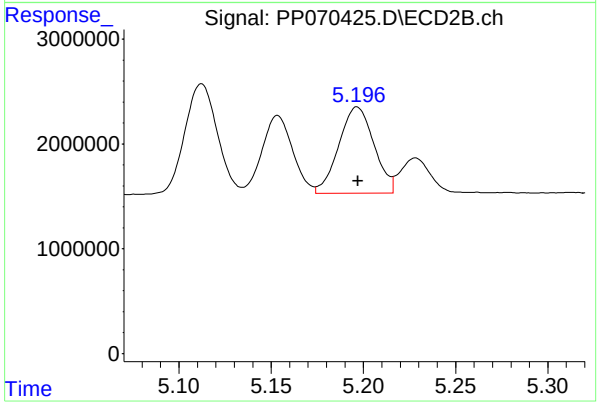

#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 12864968
Conc: 935.42 ng/ml



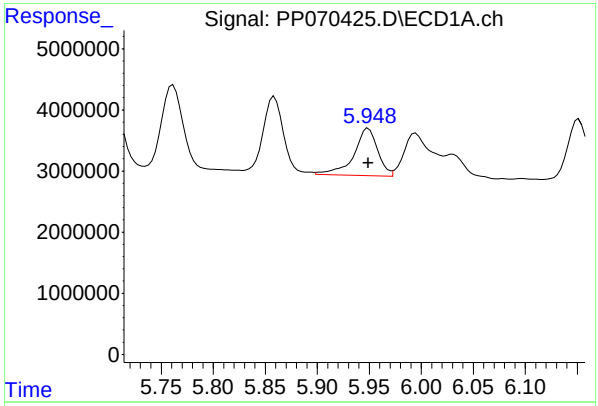

#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 17112653
Conc: 906.33 ng/ml




#14 AR-1232-4

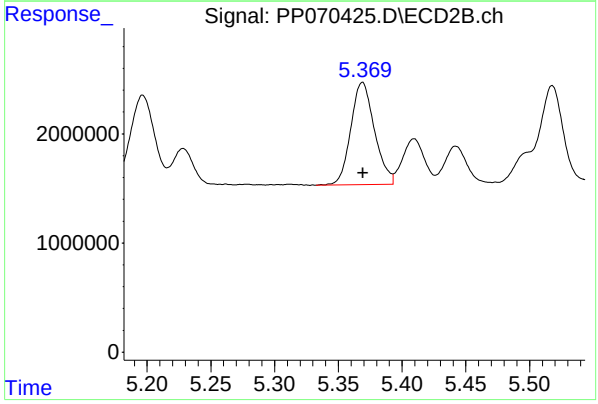
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 10909254
Conc: 934.22 ng/ml




#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 12358074
Conc: 908.88 ng/ml

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




#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 12122932
Conc: 928.84 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:07
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: Mar 11 21:59:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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... | 4.525 | 3.829 | 119.1E6 | 76777406 | 73.123 | 74.758 |
| 2) | SA Decachlor... | 10.252 | 8.882 | 79622540 | 70086455 | 71.725 | 72.623 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.887 | 4.203 | 25057001 | 18782891 | 719.701 | 725.871 |
| 12) | L3 AR-1232-2 | 5.413 | 4.936 | 13025946 | 18111440 | 735.533 | 719.320 |
| 13) | L3 AR-1232-3 | 5.699 | 5.113 | 26404840 | 9838434 | 701.304 | 715.359 |
| 14) | L3 AR-1232-4 | 5.859 | 5.198 | 13655959 | 8320666 | 723.254 | 712.542 |
| 15) | L3 AR-1232-5 | 5.949 | 5.370 | 9764505 | 9497409 | 718.137 | 727.673 |

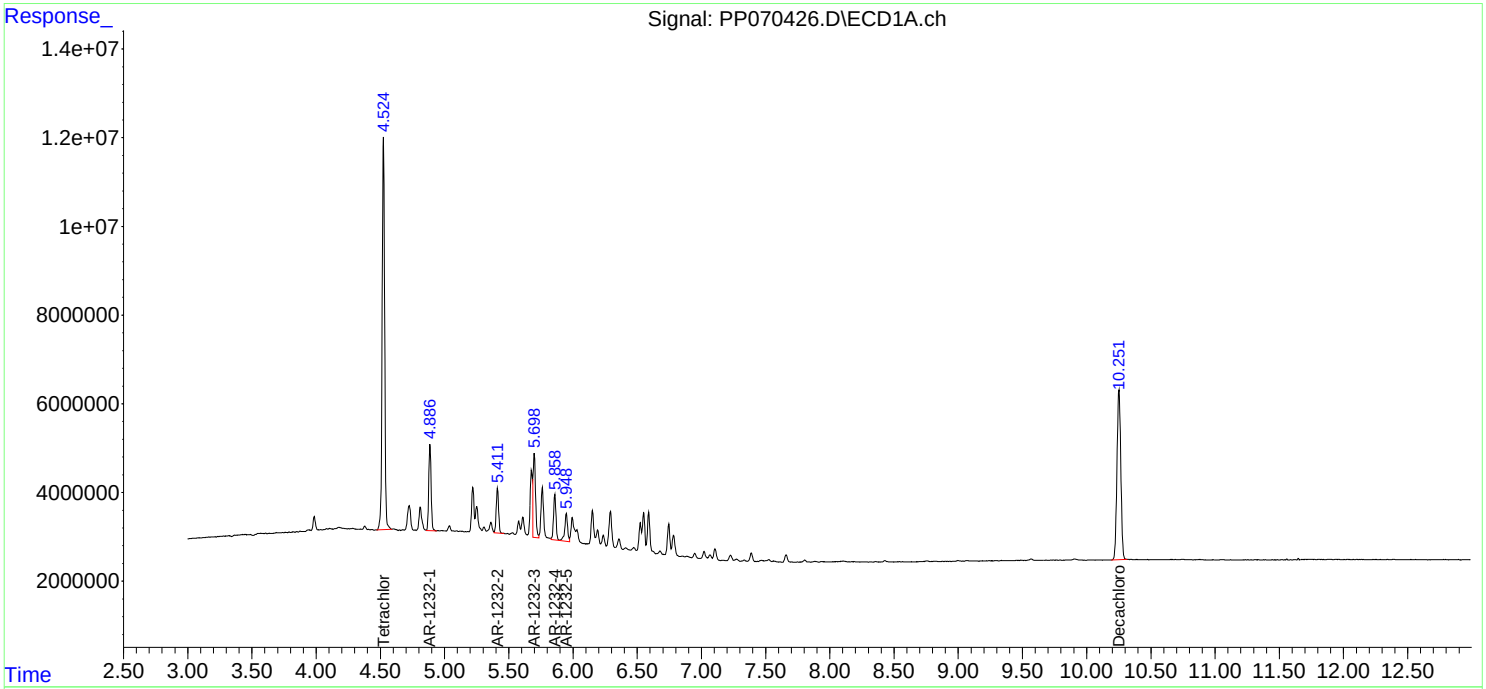
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

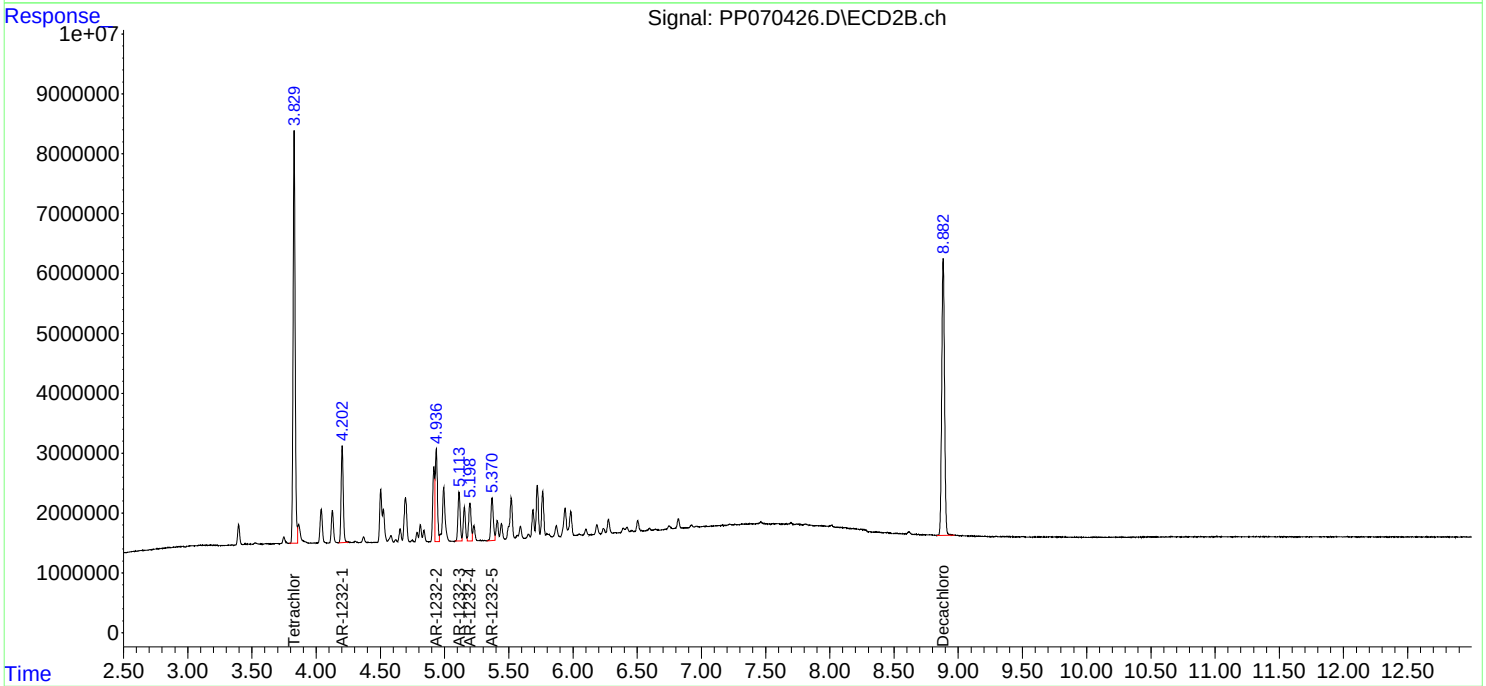
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070426.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:07
Operator : YP\AJ
Sample : AR1232ICC750
Misc :
ALS Vial : 10 Sample Multiplier: 1

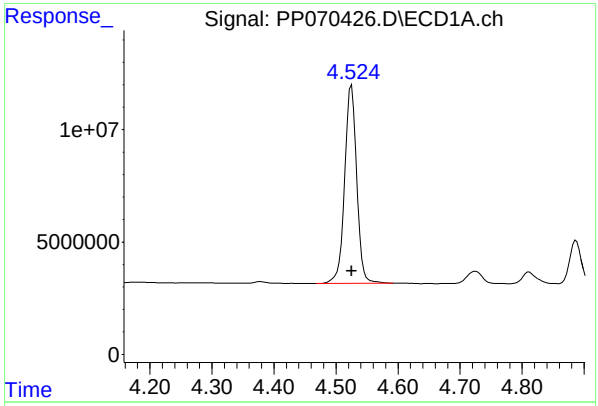
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 21:59:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



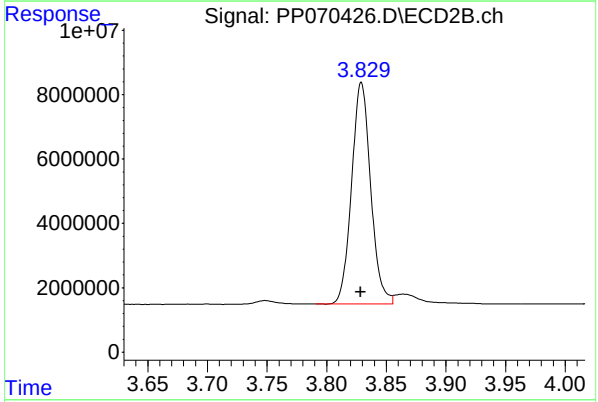






#1 Tetrachloro-m-xylene

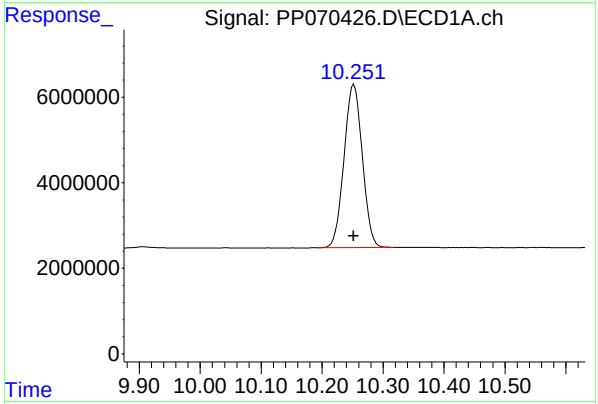
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 119075512
Conc: 73.12 ng/ml

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



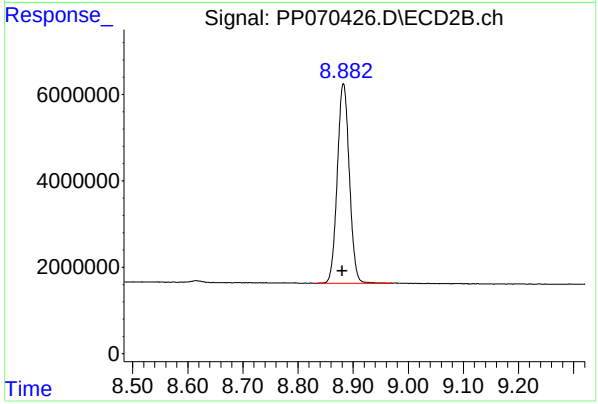

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 76777406
Conc: 74.76 ng/ml



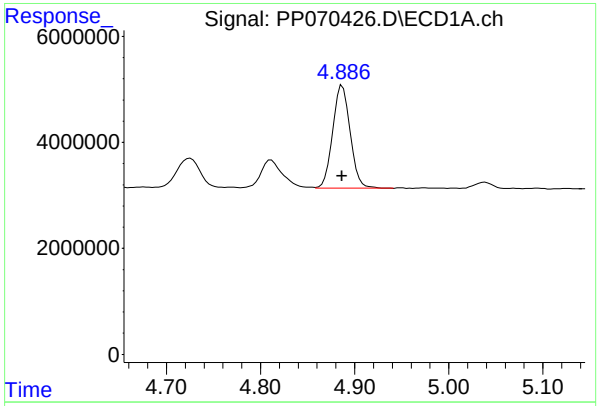

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 79622540
Conc: 71.72 ng/ml




#2 Decachlorobiphenyl

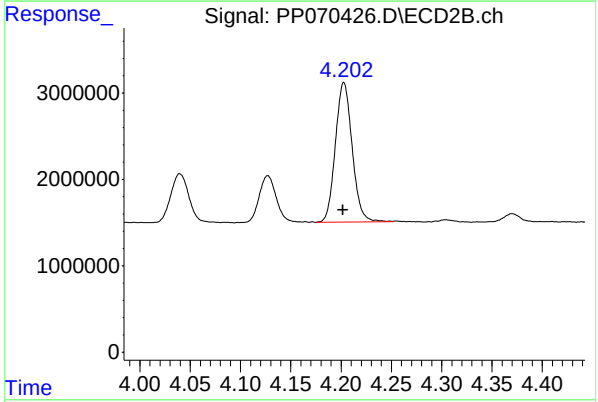
R.T.: 8.882 min
Delta R.T.: 0.002 min
Response: 70086455
Conc: 72.62 ng/ml




#11 AR-1232-1

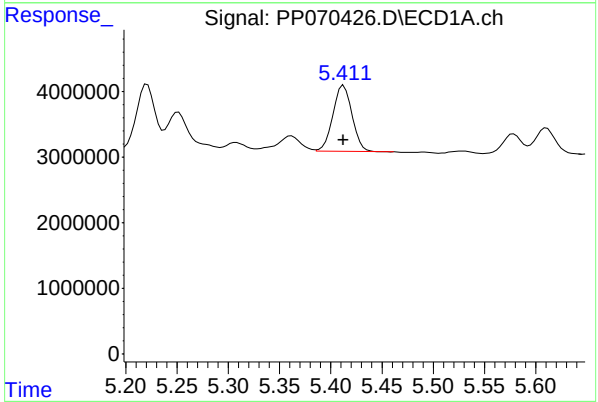
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 25057001
Conc: 719.70 ng/ml

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



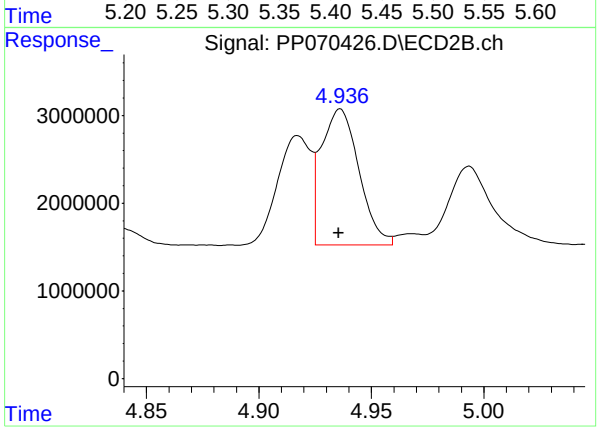

#11 AR-1232-1

R.T.: 4.203 min
Delta R.T.: 0.000 min
Response: 18782891
Conc: 725.87 ng/ml



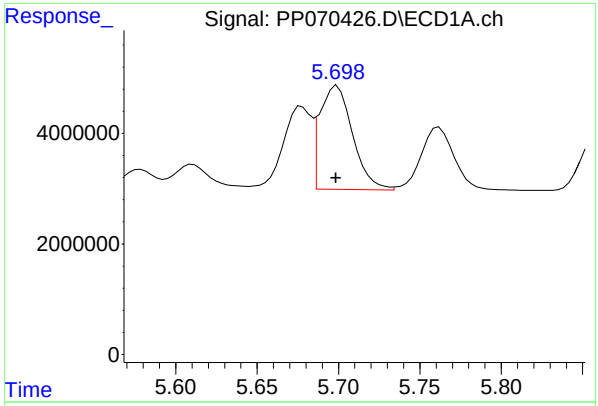

#12 AR-1232-2

R.T.: 5.413 min
Delta R.T.: 0.000 min
Response: 13025946
Conc: 735.53 ng/ml




#12 AR-1232-2

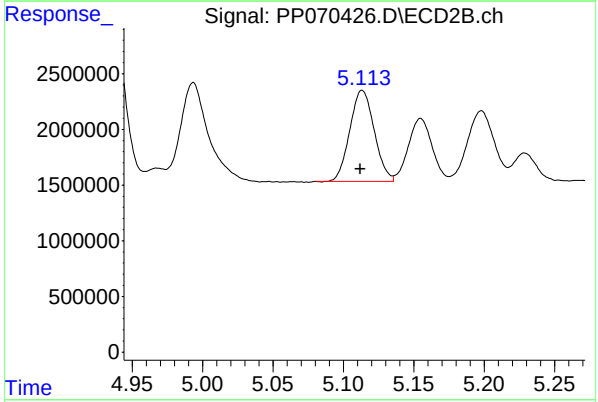
R.T.: 4.936 min
Delta R.T.: 0.000 min
Response: 18111440
Conc: 719.32 ng/ml




#13 AR-1232-3

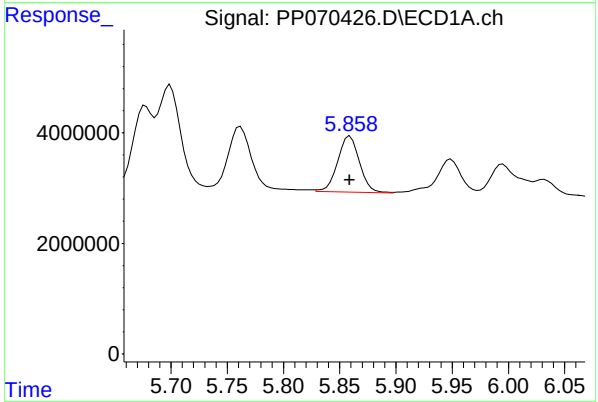
R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 26404840
Conc: 701.30 ng/ml

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



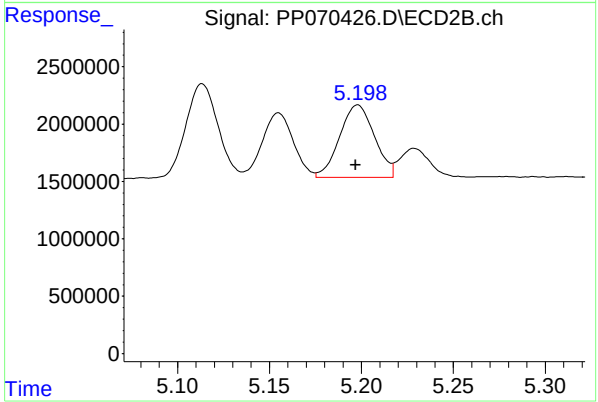

#13 AR-1232-3

R.T.: 5.113 min
Delta R.T.: 0.001 min
Response: 9838434
Conc: 715.36 ng/ml



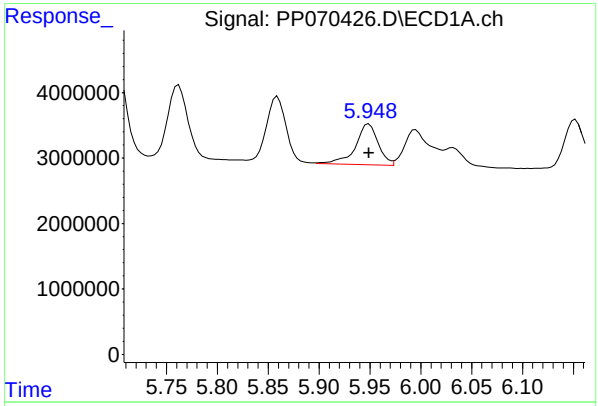

#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 13655959
Conc: 723.25 ng/ml




#14 AR-1232-4

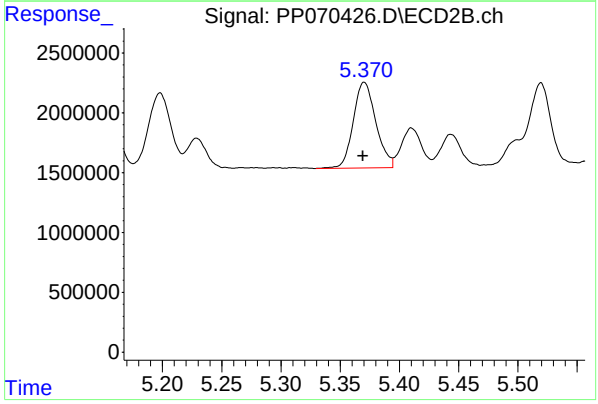
R.T.: 5.198 min
Delta R.T.: 0.001 min
Response: 8320666
Conc: 712.54 ng/ml




#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 9764505
Conc: 718.14 ng/ml

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




#15 AR-1232-5

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 9497409
Conc: 727.67 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:23
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: Mar 11 22:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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... | 4.525 | 3.828 | 81421627 | 51350702 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.252 | 8.880 | 55505634 | 48253472 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.887 | 4.202 | 17407935 | 12938181 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.412 | 4.935 | 8854766 | 12589270 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.698 | 5.112 | 18825530 | 6876575 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 5.859 | 5.197 | 9440644 | 5838717 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 5.949 | 5.369 | 6798499 | 6525873 | 500.000 | 500.000 |

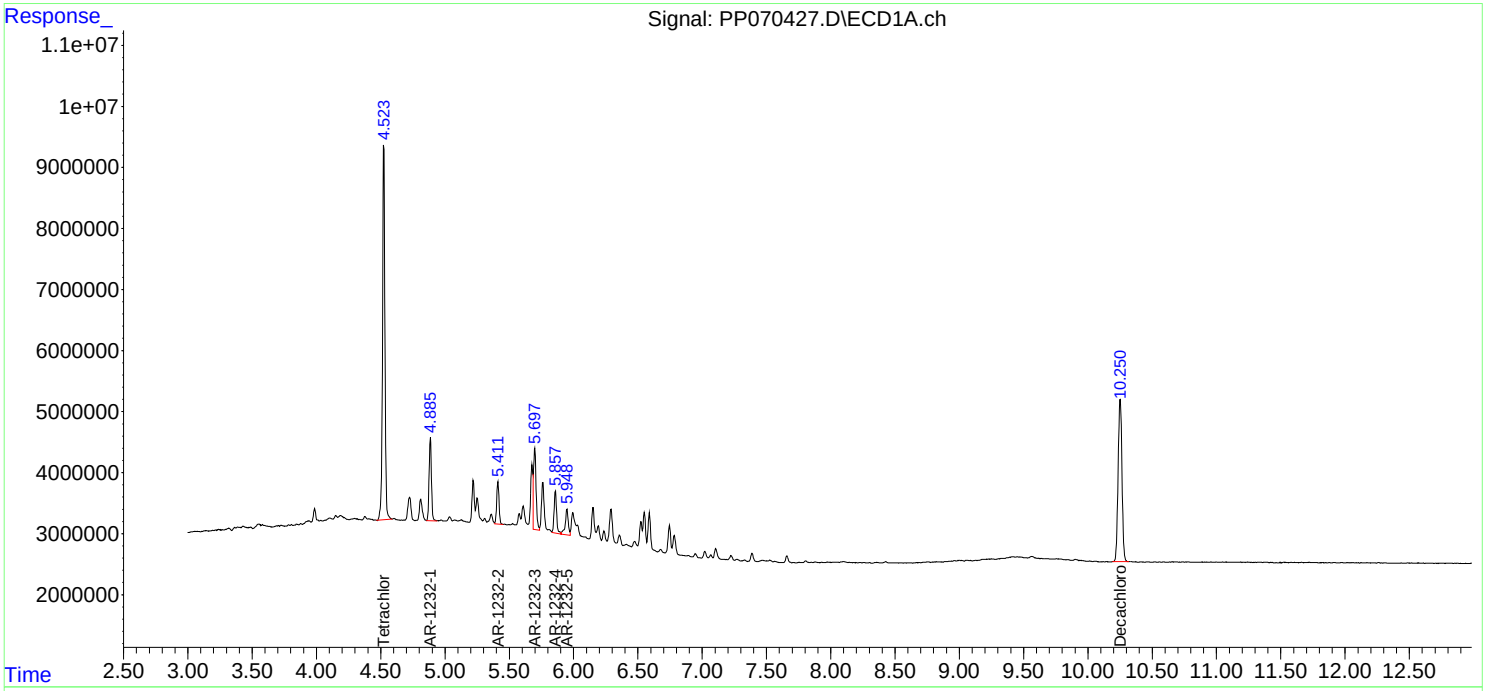
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

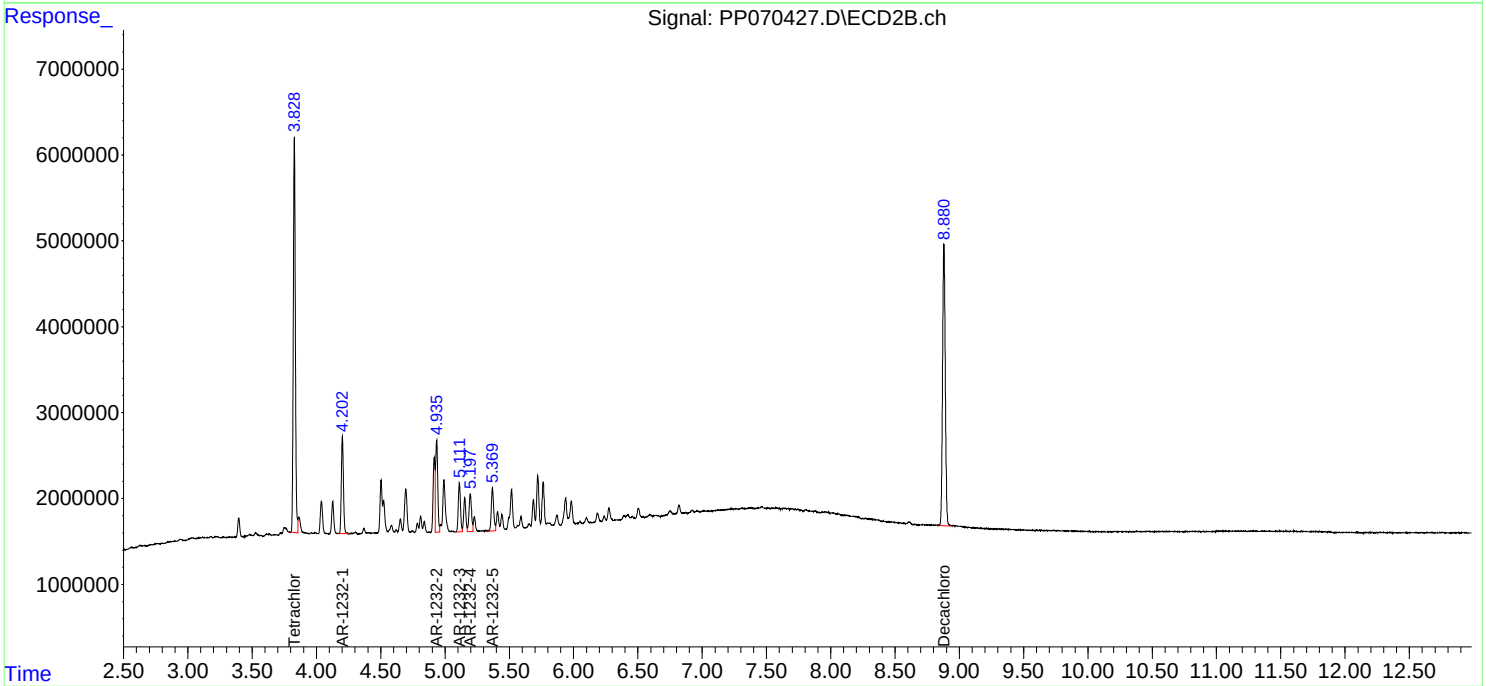
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070427.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:23
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 11 Sample Multiplier: 1

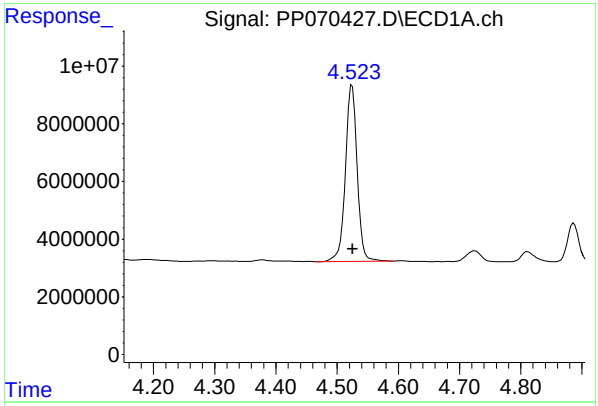
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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



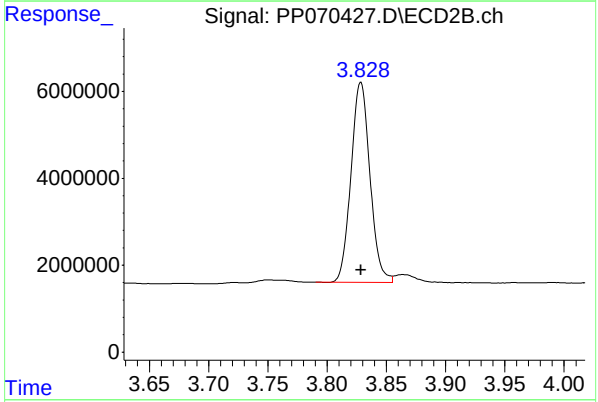






#1 Tetrachloro-m-xylene

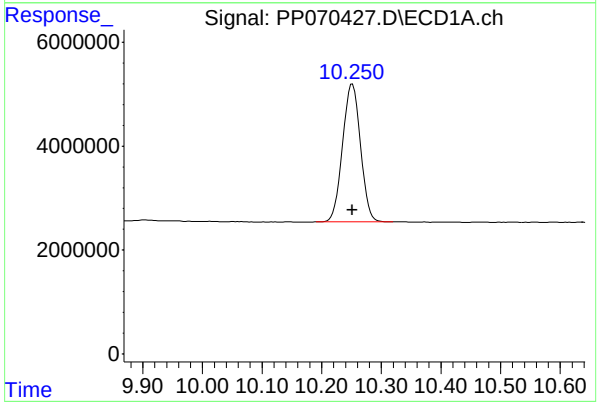
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 81421627
Conc: 50.00 ng/ml

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



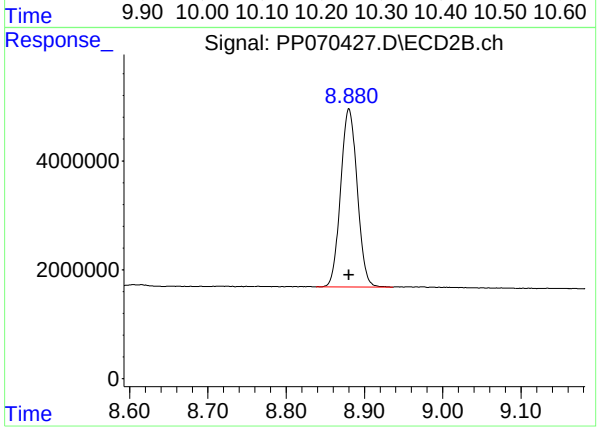

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51350702
Conc: 50.00 ng/ml



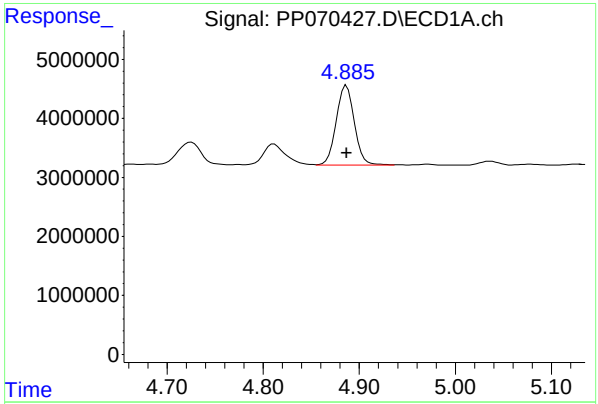

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 55505634
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

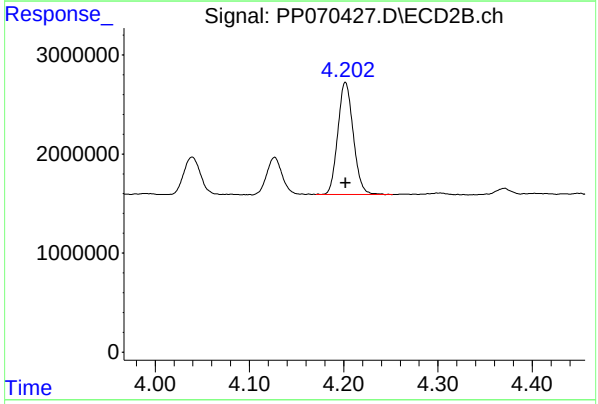
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 48253472
Conc: 50.00 ng/ml




#11 AR-1232-1

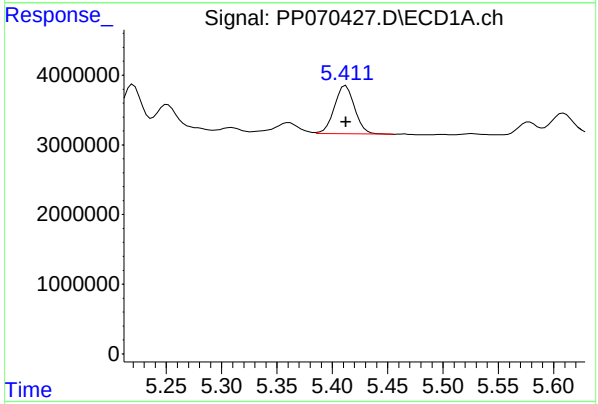
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17407935
Conc: 500.00 ng/ml

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



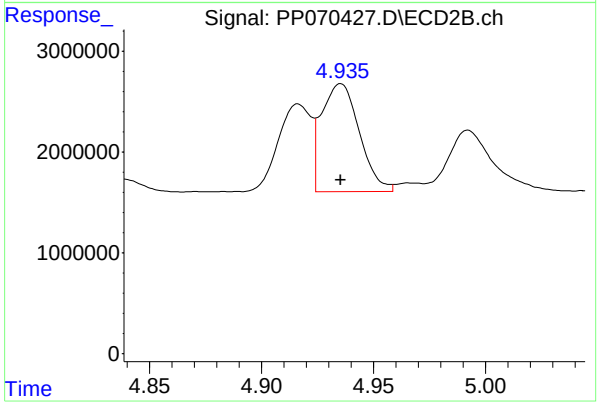

#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 12938181
Conc: 500.00 ng/ml



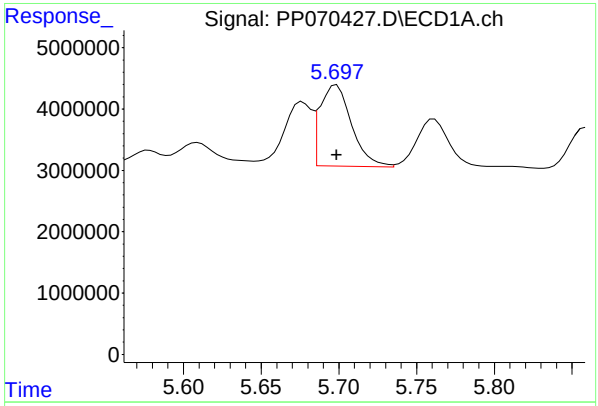

#12 AR-1232-2

R.T.: 5.412 min
Delta R.T.: 0.000 min
Response: 8854766
Conc: 500.00 ng/ml




#12 AR-1232-2

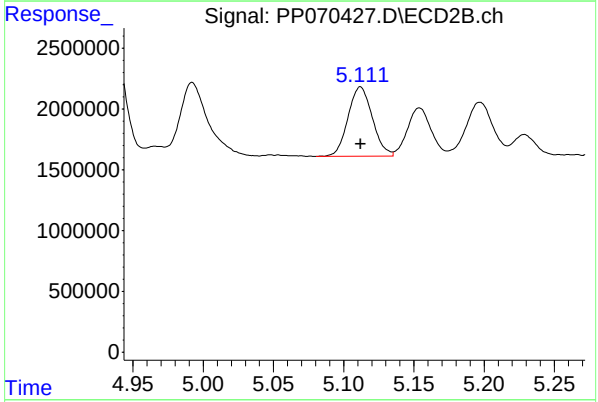
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 12589270
Conc: 500.00 ng/ml




#13 AR-1232-3

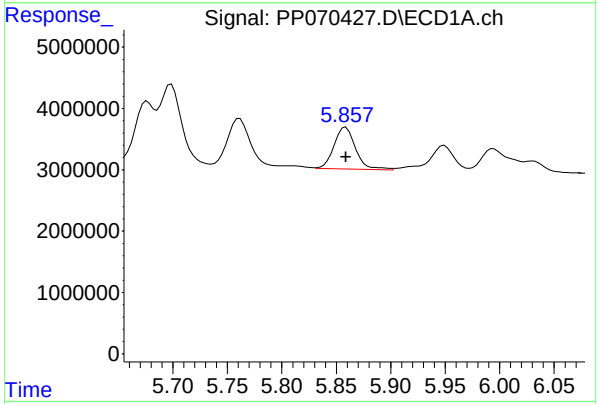
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 18825530
Conc: 500.00 ng/ml

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



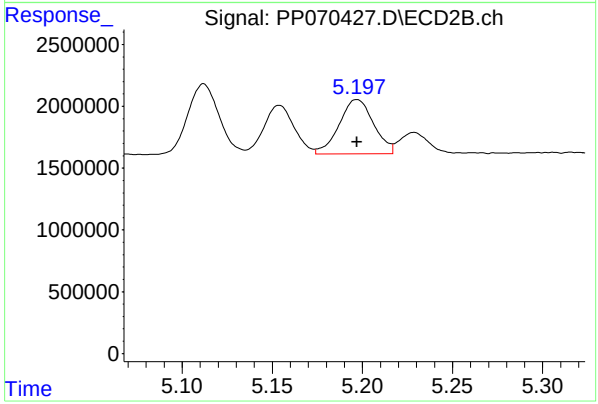

#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6876575
Conc: 500.00 ng/ml



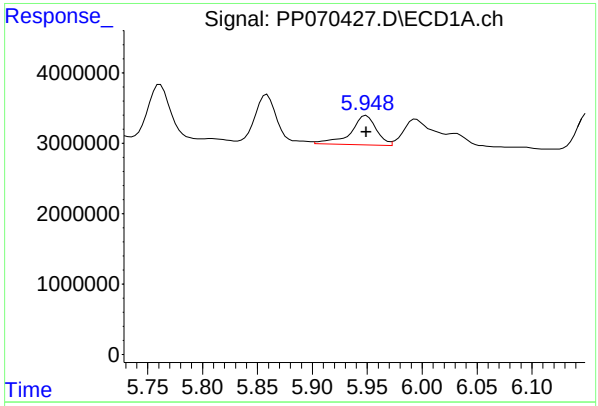

#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 9440644
Conc: 500.00 ng/ml




#14 AR-1232-4

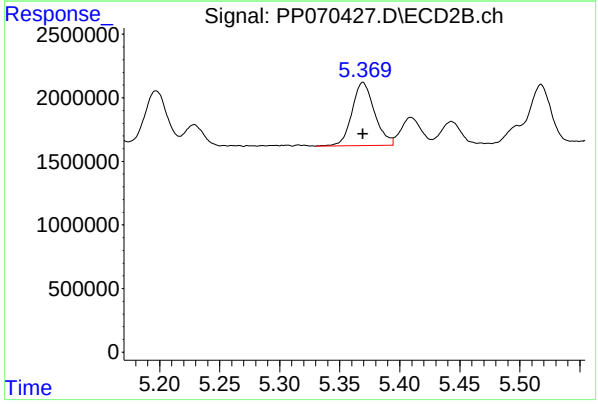
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5838717
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 6798499
Conc: 500.00 ng/ml

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




#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 6525873
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:40
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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... | 4.526 | 3.829 | 42110947 | 27566531 | 25.860 | 26.841 |
| 2) | SA Decachlor... | 10.254 | 8.881 | 28765211 | 28286345 | 25.912 | 29.310 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.888 | 4.202 | 9518147 | 7054654 | 273.385 | 272.629 |
| 12) | L3 AR-1232-2 | 5.414 | 4.935 | 4323493 | 6922424 | 244.134 | 274.933 |
| 13) | L3 AR-1232-3 | 5.700 | 5.112 | 9794735 | 3580147 | 260.145 | 260.315 |
| 14) | L3 AR-1232-4 | 5.861 | 5.196 | 5144985 | 3082888 | 272.491 | 264.004 |
| 15) | L3 AR-1232-5 | 5.949 | 5.369 | 2924140 | 3384658 | 215.058m | 259.326 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070428.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:40
Operator : YP\AJ
Sample : AR1232ICC250
Misc :
ALS Vial : 12 Sample Multiplier: 1

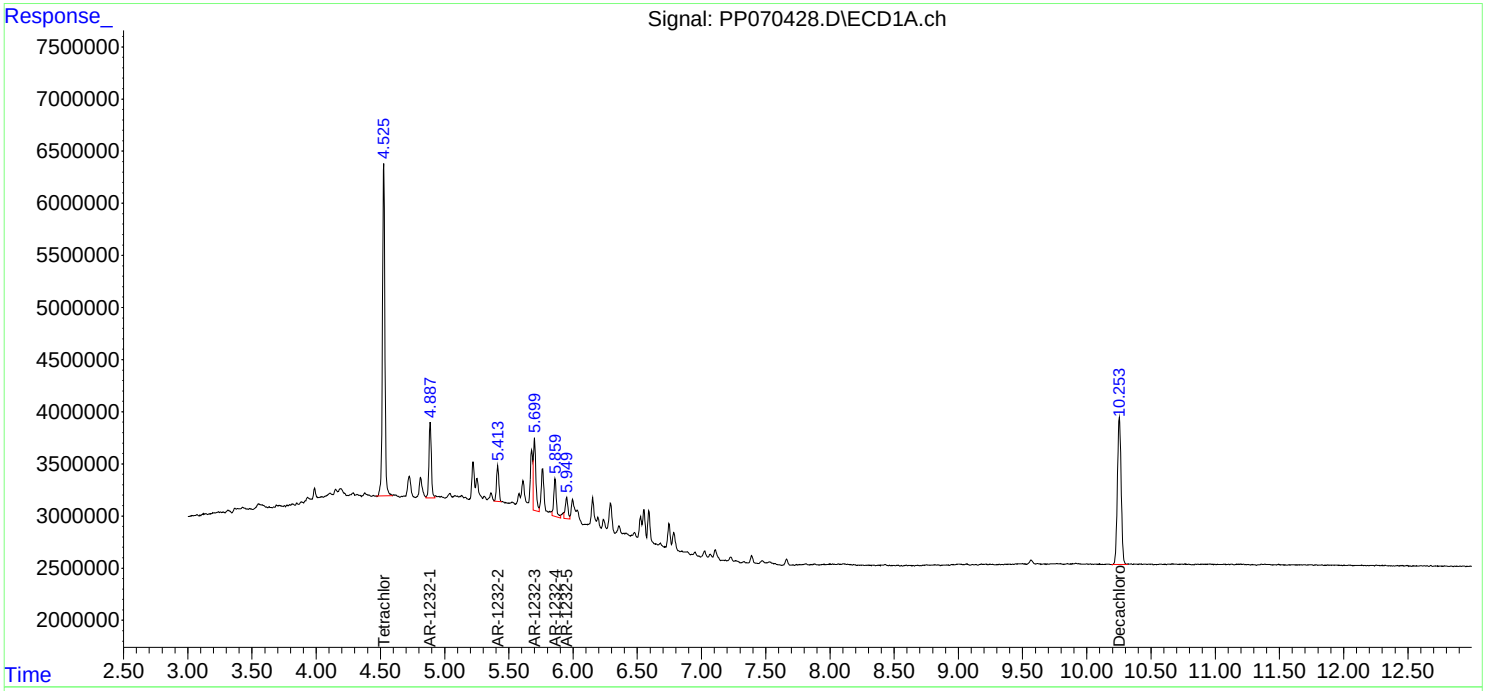
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC250

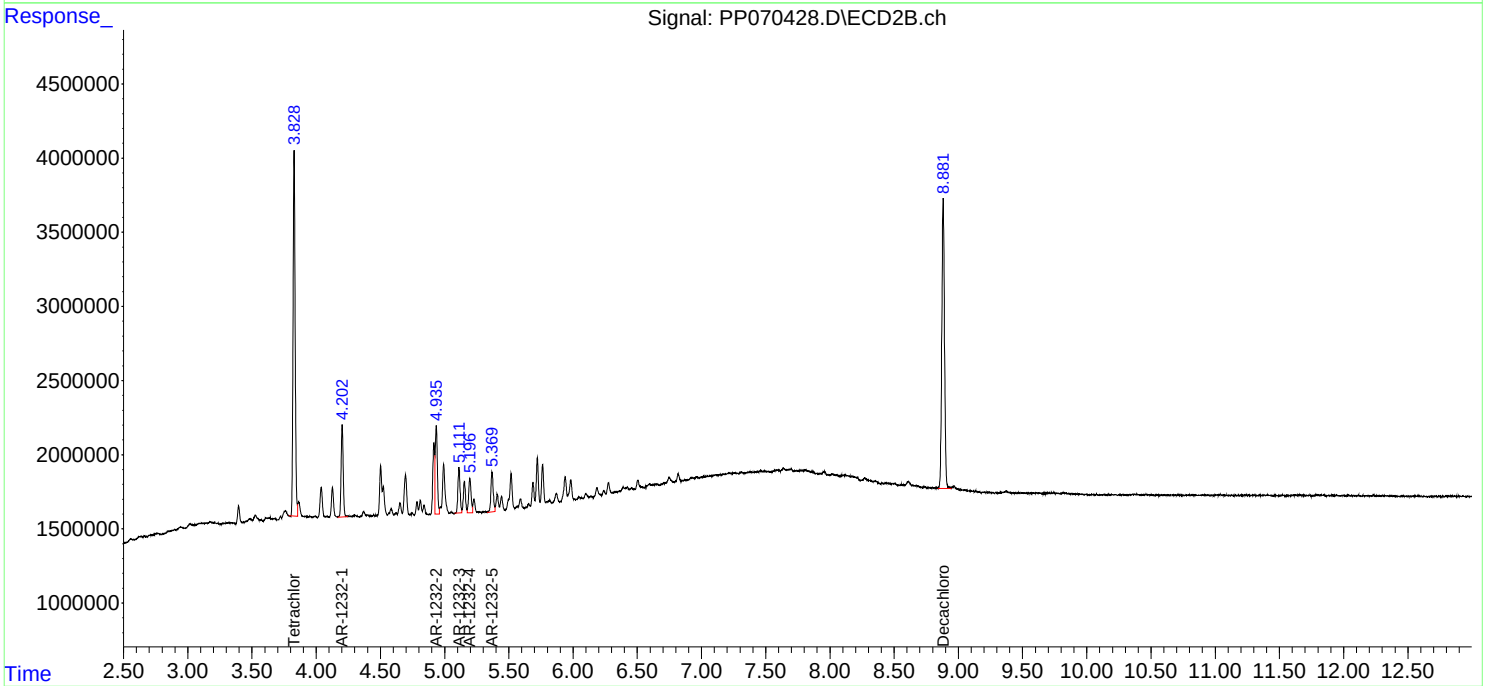
**Manual Integrations APPROVED**

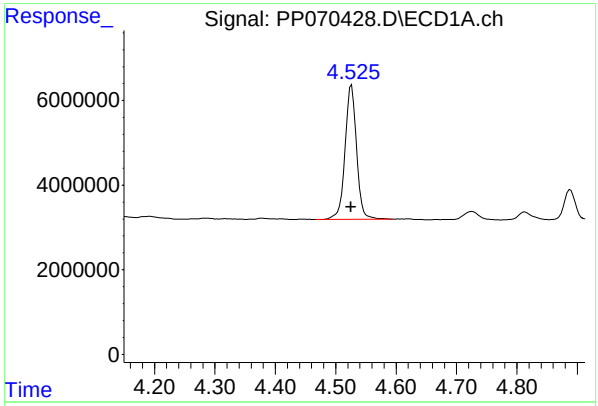
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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





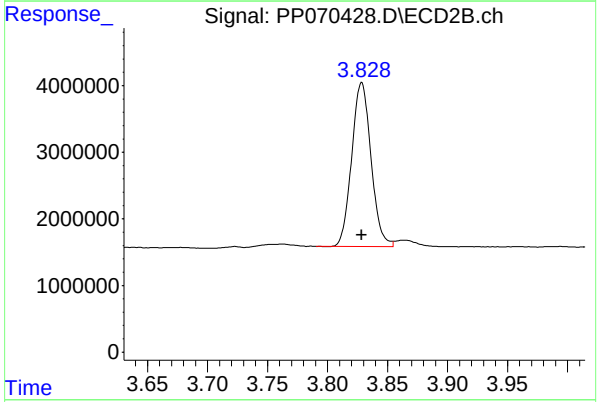

#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 42110947
Conc: 25.86 ng/ml

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

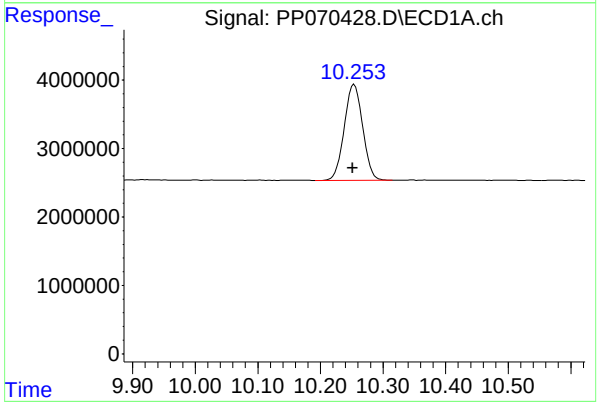
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



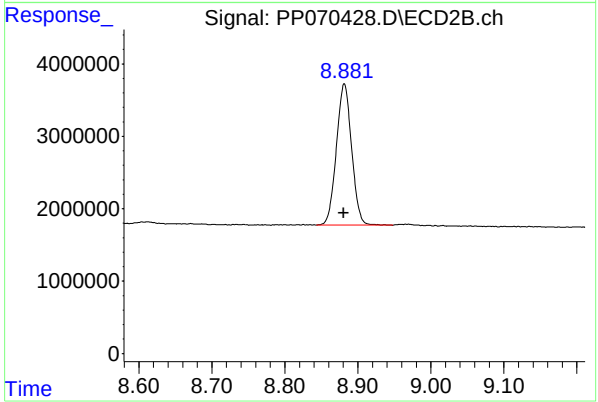

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 27566531
Conc: 26.84 ng/ml



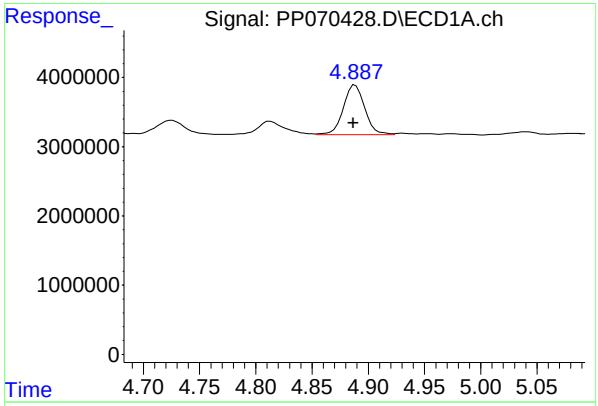

#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.002 min
Response: 28765211
Conc: 25.91 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 28286345
Conc: 29.31 ng/ml



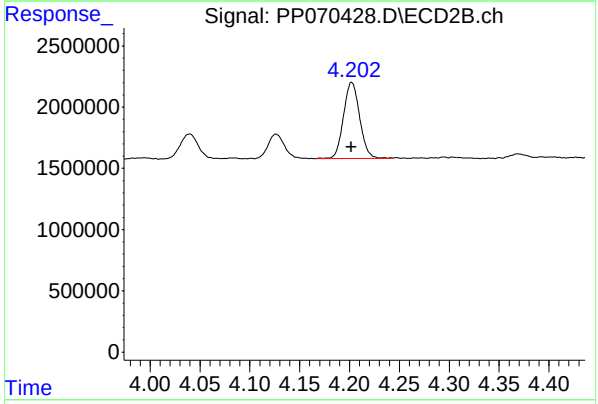

#11 AR-1232-1

R.T.: 4.888 min
Delta R.T.: 0.002 min
Response: 9518147
Conc: 273.39 ng/ml

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

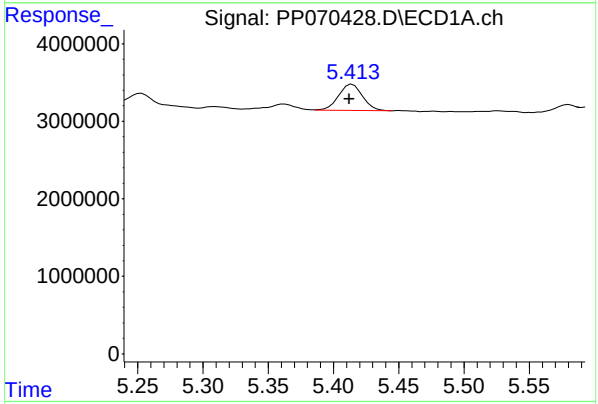
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



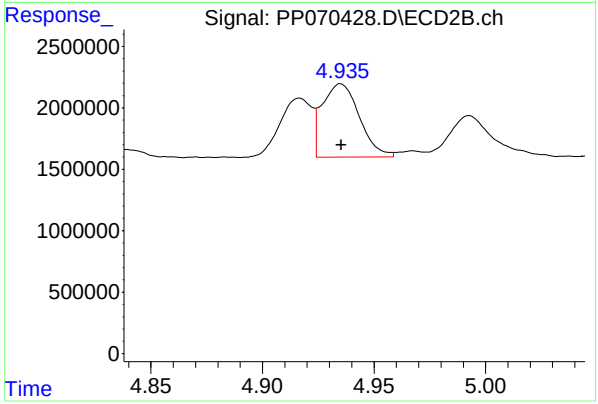

#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 7054654
Conc: 272.63 ng/ml



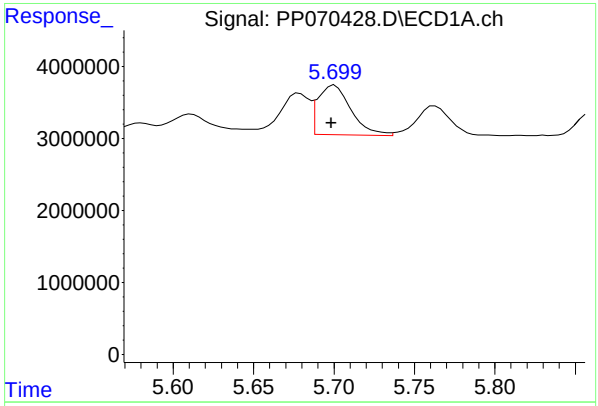

#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 4323493
Conc: 244.13 ng/ml




#12 AR-1232-2

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 6922424
Conc: 274.93 ng/ml



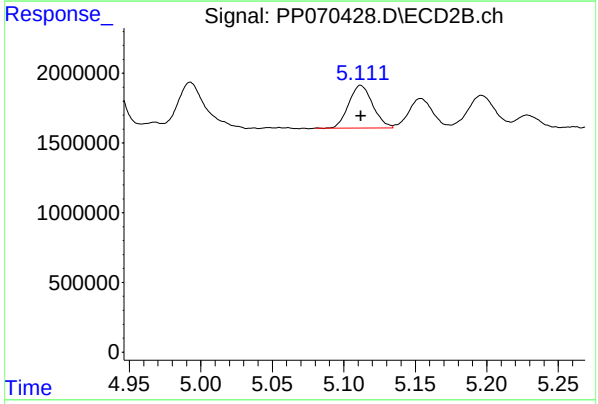

#13 AR-1232-3

R.T.: 5.700 min
Delta R.T.: 0.002 min
Response: 9794735
Conc: 260.15 ng/ml

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

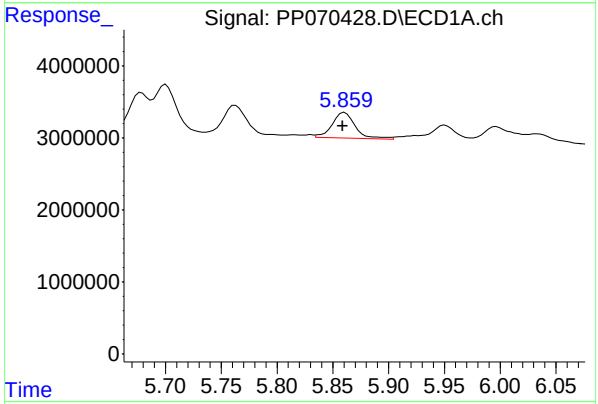
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



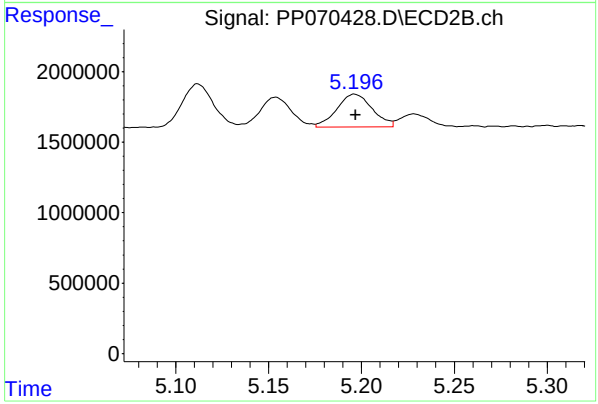

#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 3580147
Conc: 260.31 ng/ml



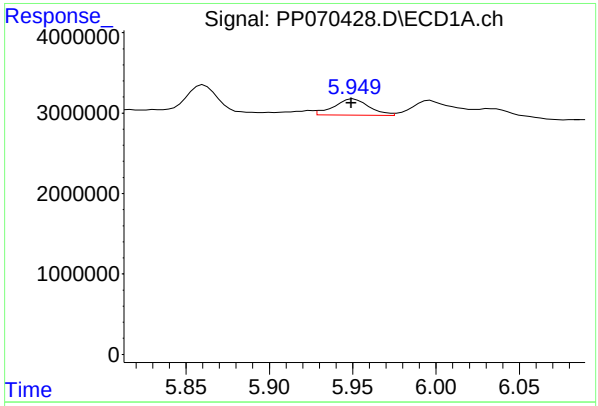

#14 AR-1232-4

R.T.: 5.861 min
Delta R.T.: 0.002 min
Response: 5144985
Conc: 272.49 ng/ml




#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 3082888
Conc: 264.00 ng/ml



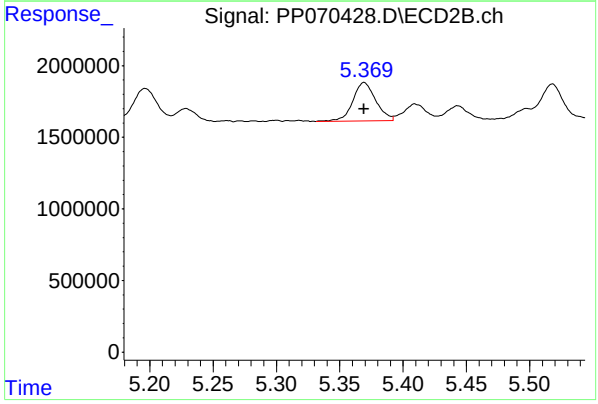

#15 AR-1232-5

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 2924140
Conc: 215.06 ng/ml

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025




#15 AR-1232-5

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 3384658
Conc: 259.33 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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... | 4.526 | 3.828 | 7821901 | 5940731 | 4.803 | 5.784 |
| 2) | SA Decachlor... | 10.255 | 8.881 | 5277277 | 5419163 | 4.754 | 5.615 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.889 | 4.201 | 1983848 | 1421614 | 56.981 | 54.939m |
| 12) | L3 AR-1232-2 | 5.414 | 4.934 | 781907 | 1431721 | 44.152m | 56.863m# |
| 13) | L3 AR-1232-3 | 5.701 | 5.112 | 1856332 | 799405 | 49.304m | 58.125 |
| 14) | L3 AR-1232-4 | 5.859 | 5.196 | 1009484 | 627440 | 53.465m | 53.731 |
| 15) | L3 AR-1232-5 | 5.943 | 5.367 | 707014 | 698174 | 51.998m | 53.493m |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070429.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 17:56
Operator : YP\AJ
Sample : AR1232ICC050
Misc :
ALS Vial : 13 Sample Multiplier: 1

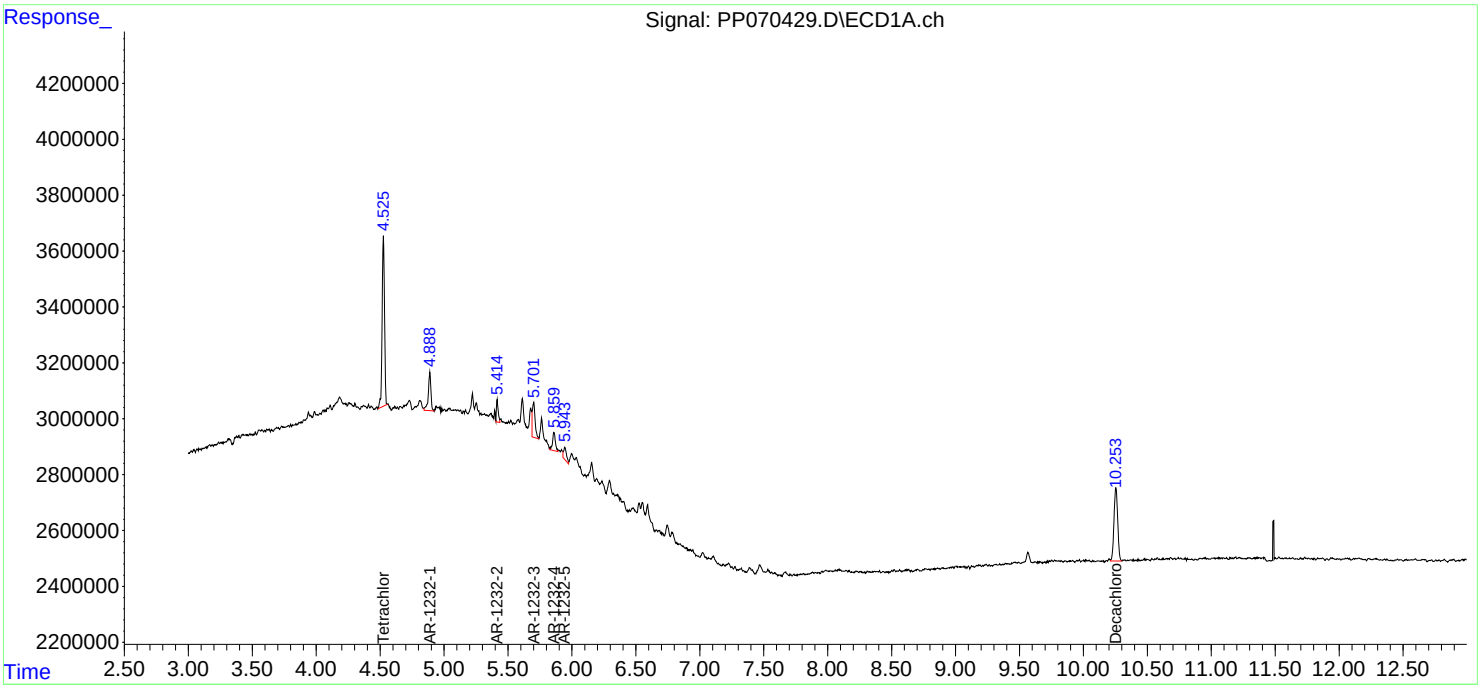
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC050

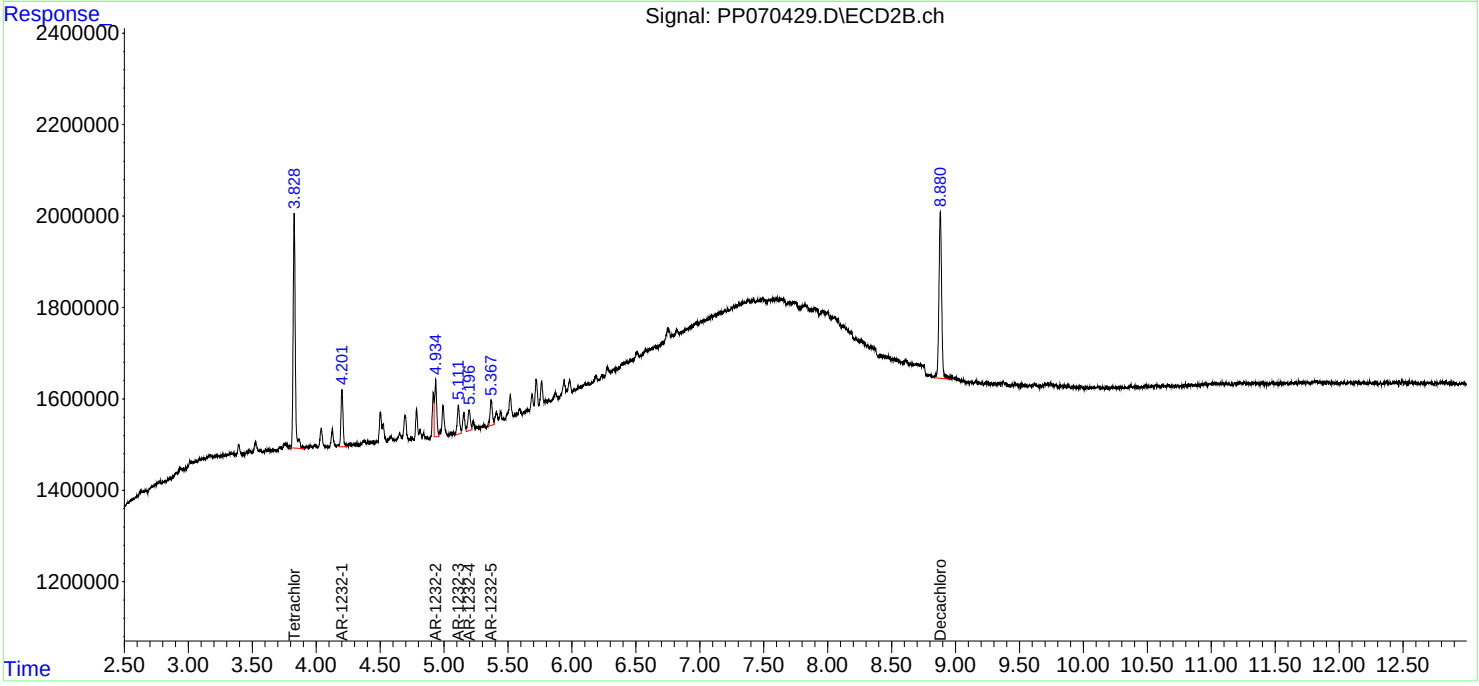
**Manual Integrations APPROVED**

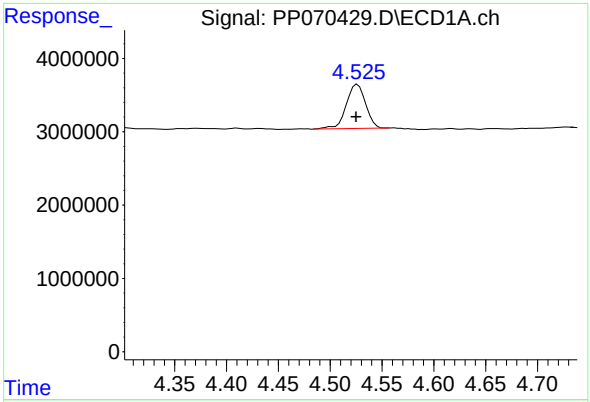
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:00:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 21:58:44 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





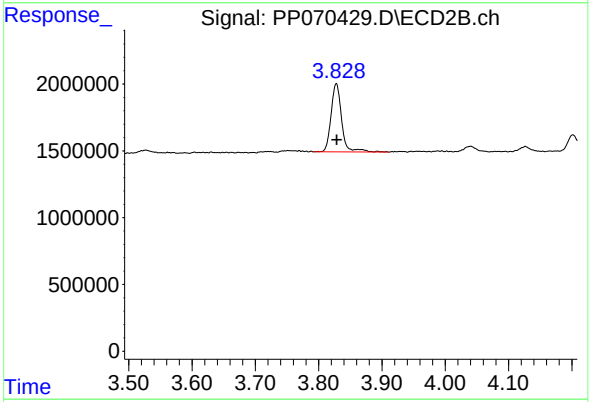

#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: 0.001 min
Response: 7821901
Conc: 4.80 ng/ml

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

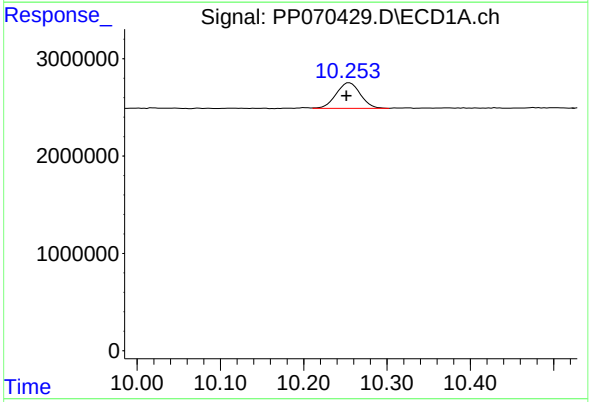
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025



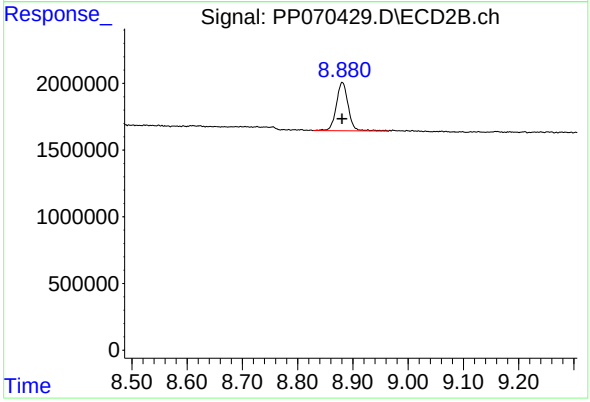

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5940731
Conc: 5.78 ng/ml



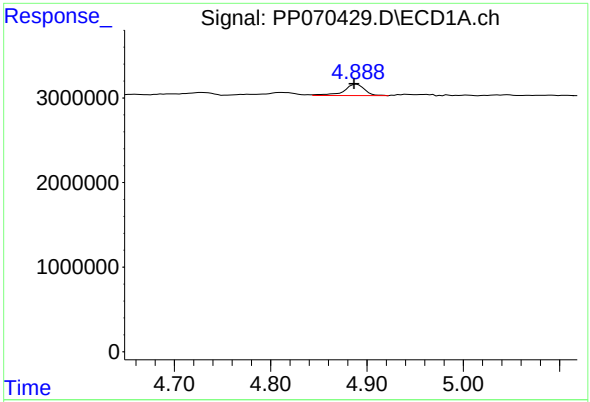

#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.003 min
Response: 5277277
Conc: 4.75 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 5419163
Conc: 5.62 ng/ml



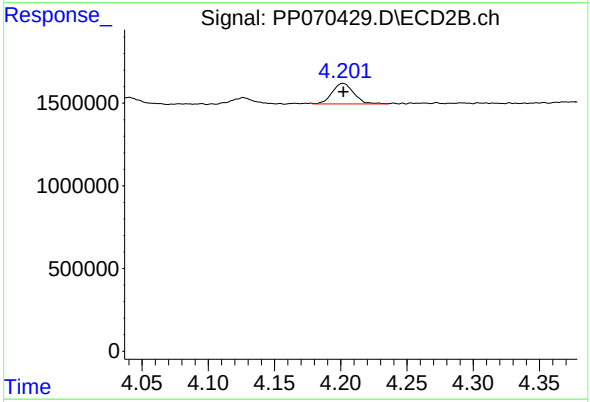

#11 AR-1232-1

R.T.: 4.889 min
Delta R.T.: 0.003 min
Response: 1983848
Conc: 56.98 ng/ml

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

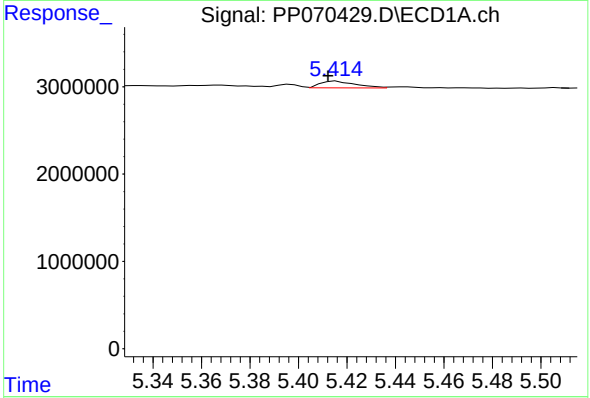
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025



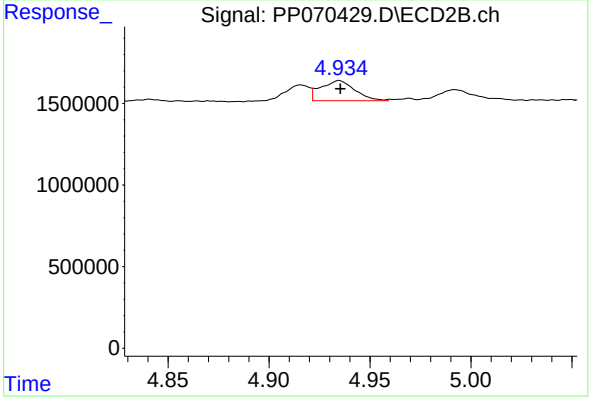

#11 AR-1232-1

R.T.: 4.201 min
Delta R.T.: 0.000 min
Response: 1421614
Conc: 54.94 ng/ml m



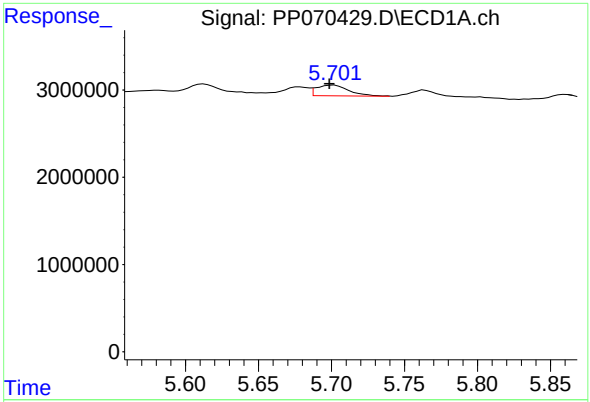

#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.002 min
Response: 781907
Conc: 44.15 ng/ml m




#12 AR-1232-2

R.T.: 4.934 min
Delta R.T.: -0.001 min
Response: 1431721
Conc: 56.86 ng/ml m



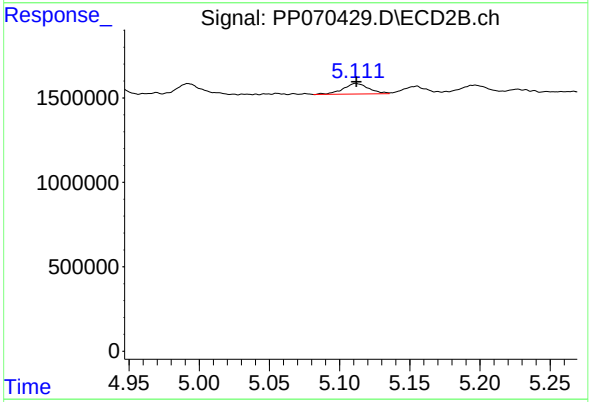

#13 AR-1232-3

R.T.: 5.701 min
Delta R.T.: 0.002 min
Response: 1856332
Conc: 49.30 ng/ml

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

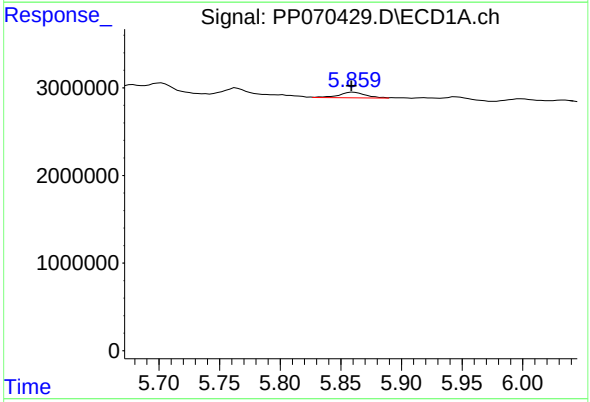
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025



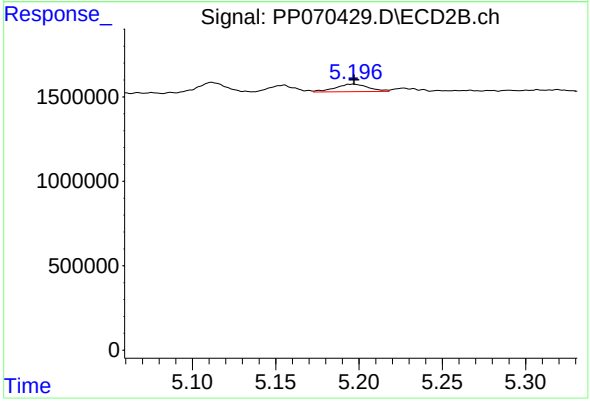

#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 799405
Conc: 58.13 ng/ml



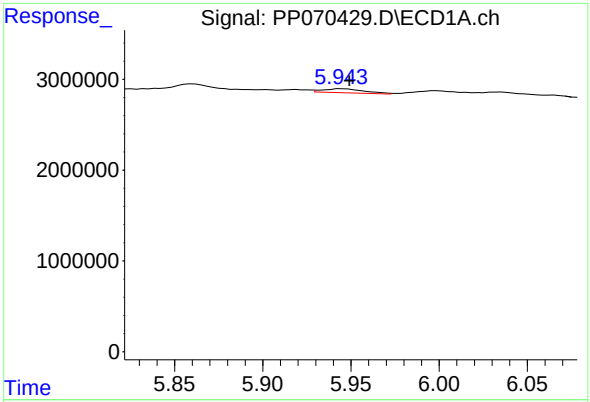

#14 AR-1232-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 1009484
Conc: 53.46 ng/ml m




#14 AR-1232-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 627440
Conc: 53.73 ng/ml



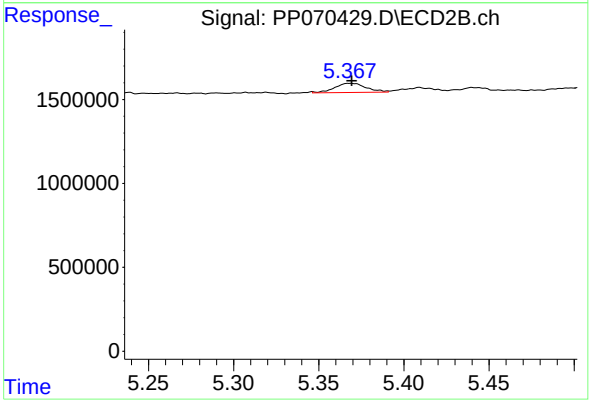

#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: -0.006 min
Response: 707014
Conc: 52.00 ng/ml

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/19/2025




#15 AR-1232-5

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 698174
Conc: 53.49 ng/ml m

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
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: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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... | 4.525 | 3.828 | 148.4E6 | 94968124 | 93.437 | 94.952 |
| 2) | SA Decachlor... | 10.252 | 8.881 | 101.7E6 | 89078022 | 92.579 | 87.447 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.677 | 4.916 | 39253435 | 28374294 | 902.749 | 940.352 |
| 17) | L4 AR-1242-2 | 5.699 | 4.935 | 58252556 | 40120133 | 936.102 | 956.599 |
| 18) | L4 AR-1242-3 | 5.761 | 5.112 | 35362447 | 22172127 | 914.872 | 931.692 |
| 19) | L4 AR-1242-4 | 5.859 | 5.197 | 29479509 | 20777408 | 905.593 | 928.850 |
| 20) | L4 AR-1242-5 | 6.589 | 5.722 | 29991669 | 26011255 | 936.911 | 924.285 |

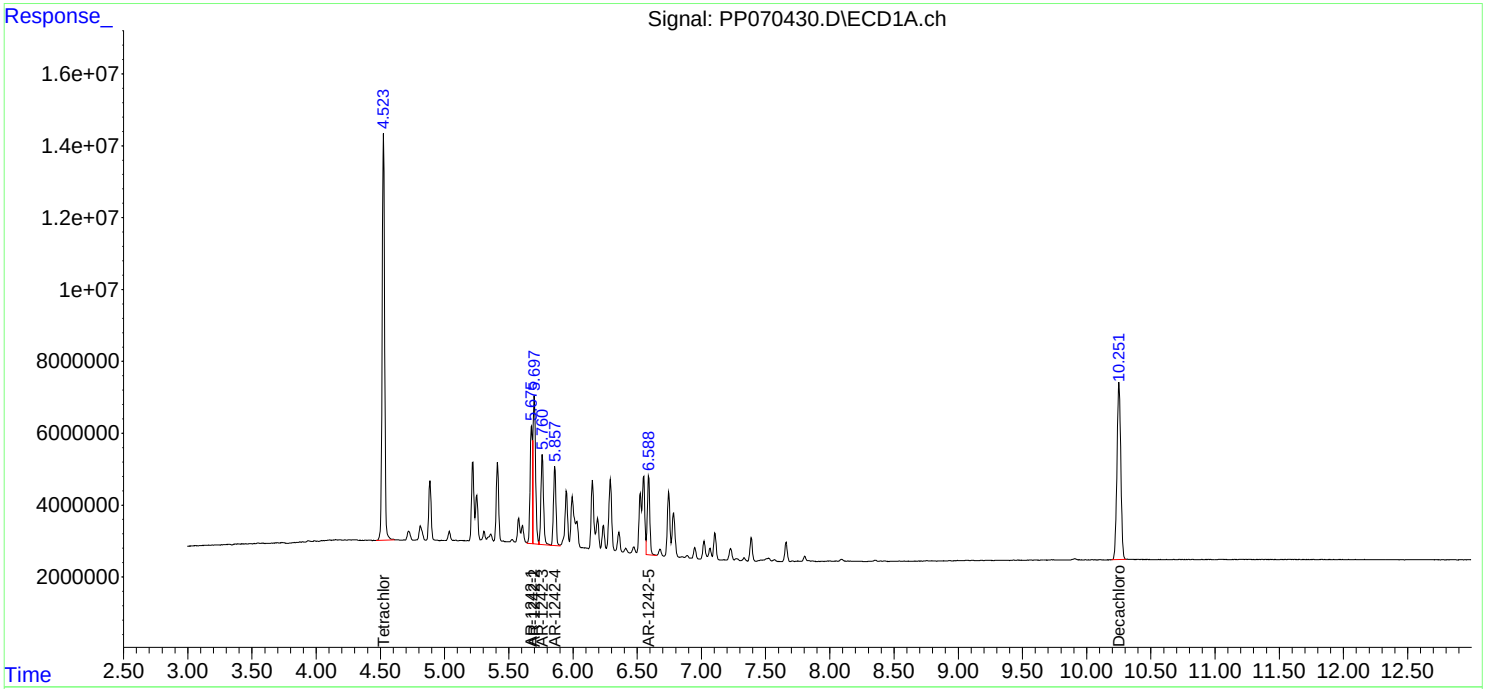
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

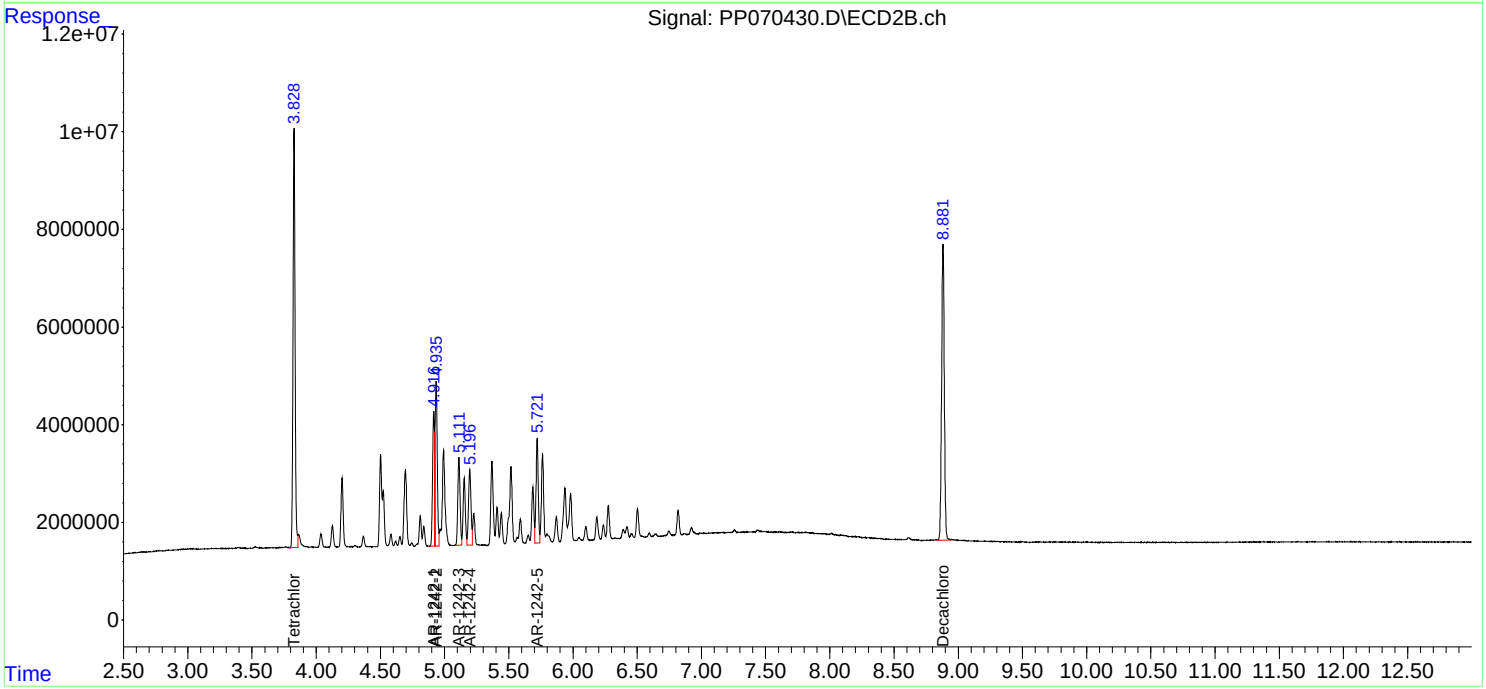
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070430.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:12
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 14 Sample Multiplier: 1

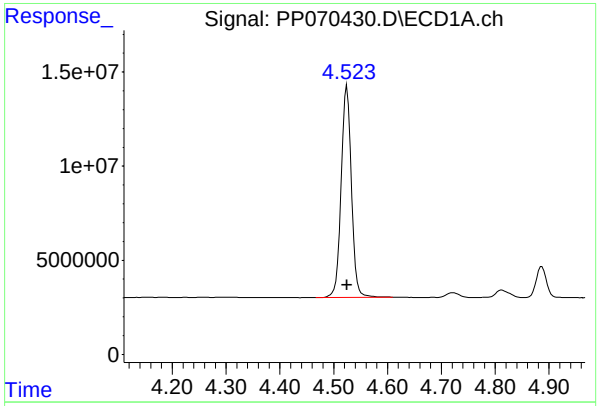
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



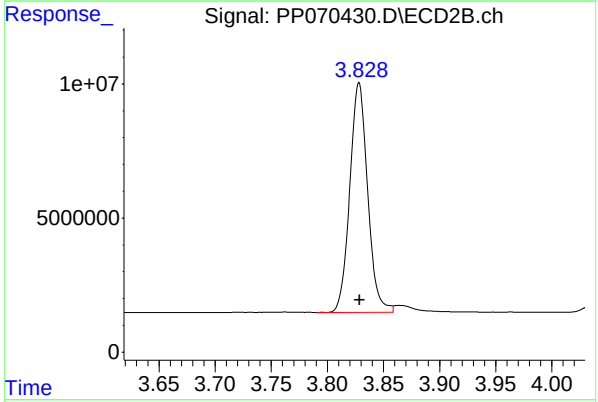






#1 Tetrachloro-m-xylene

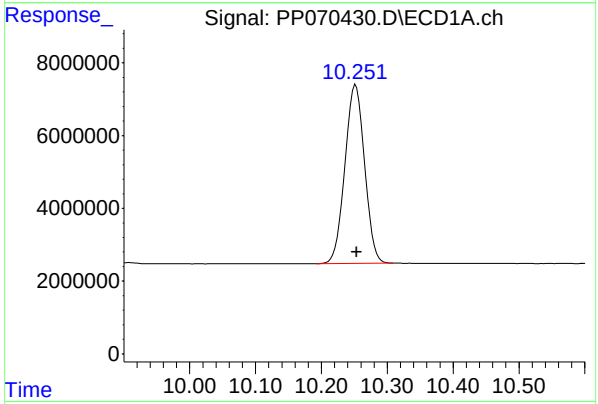
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 148350049
Conc: 93.44 ng/ml

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



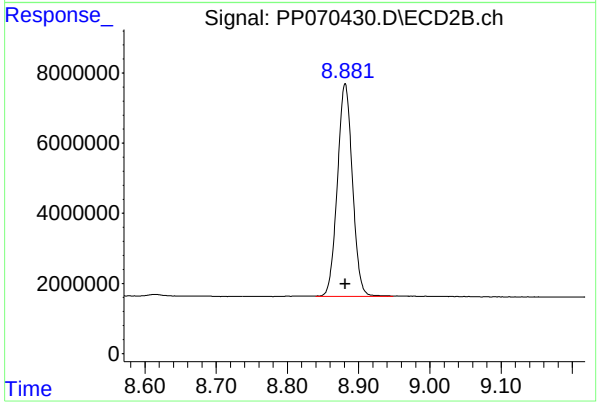

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94968124
Conc: 94.95 ng/ml



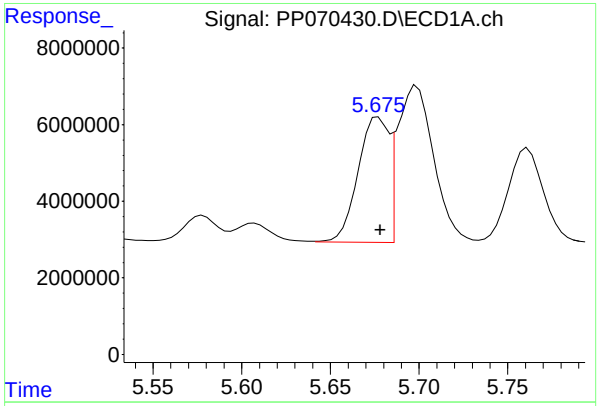

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.001 min
Response: 101714357
Conc: 92.58 ng/ml




#2 Decachlorobiphenyl

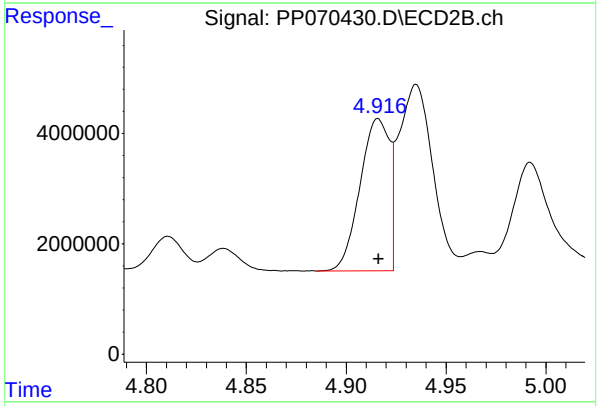
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 89078022
Conc: 87.45 ng/ml




#16 AR-1242-1

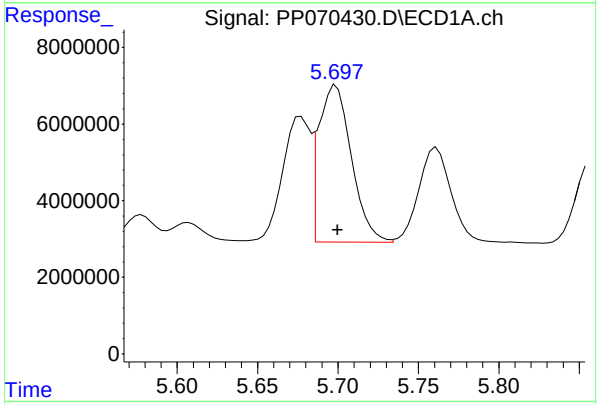
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 39253435
Conc: 902.75 ng/ml

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



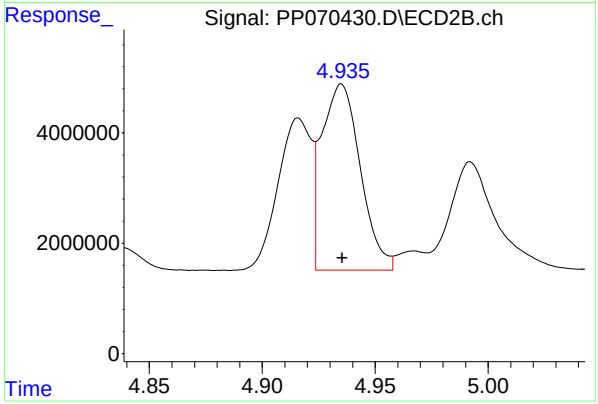

#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 28374294
Conc: 940.35 ng/ml



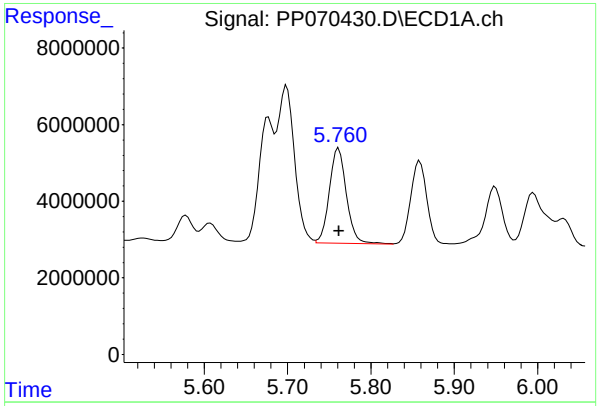

#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 58252556
Conc: 936.10 ng/ml




#17 AR-1242-2

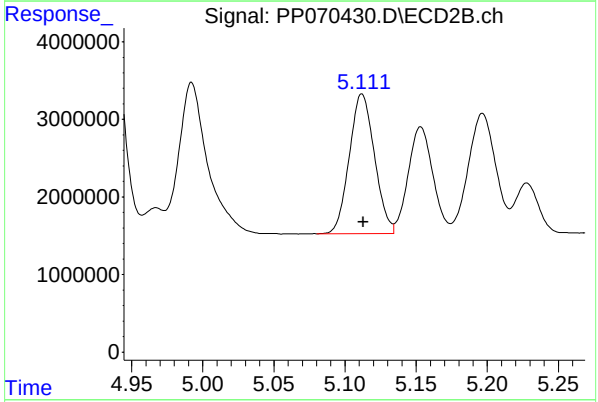
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 40120133
Conc: 956.60 ng/ml




#18 AR-1242-3

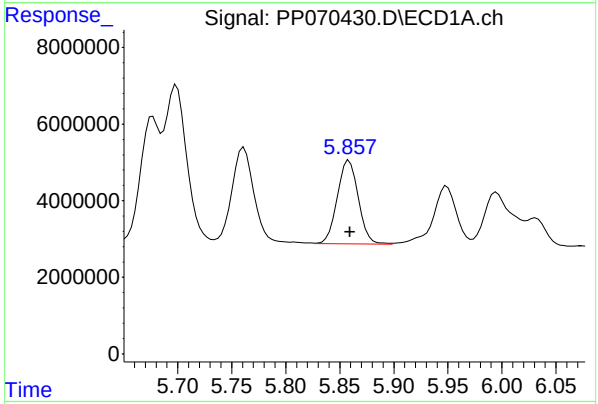
R.T.: 5.761 min
Delta R.T.: 0.000 min
Response: 35362447
Conc: 914.87 ng/ml

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



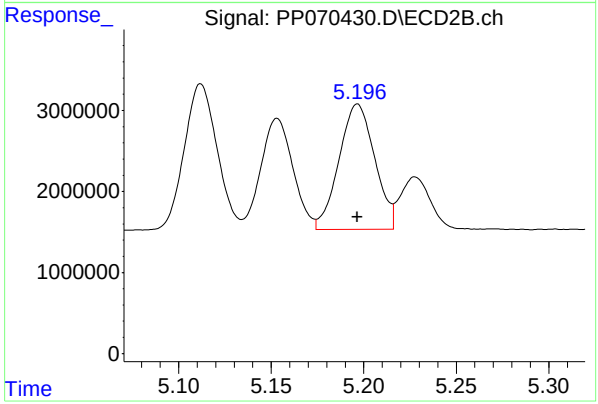

#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 22172127
Conc: 931.69 ng/ml



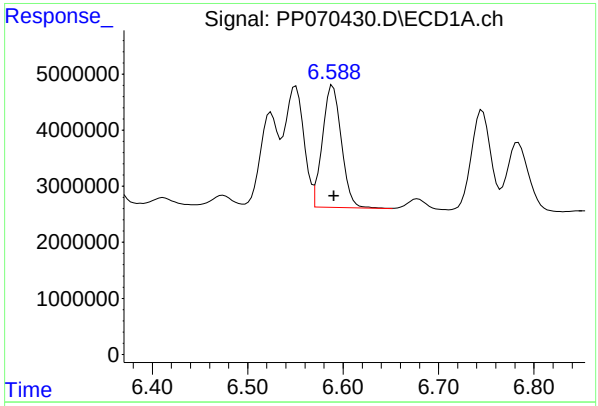

#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 29479509
Conc: 905.59 ng/ml




#19 AR-1242-4

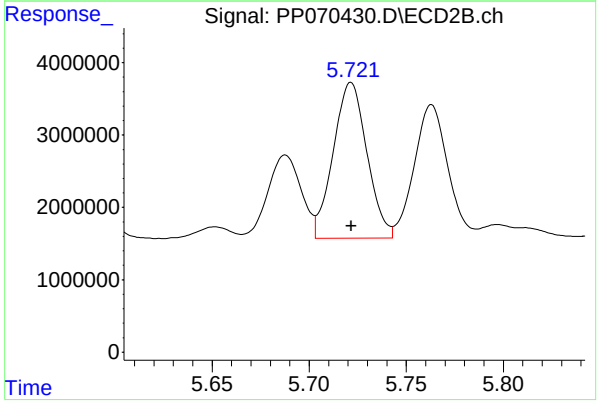
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 20777408
Conc: 928.85 ng/ml




#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 29991669
Conc: 936.91 ng/ml

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




#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 26011255
Conc: 924.28 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
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: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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... | 4.525 | 3.828 | 115.4E6 | 72710939 | 72.677 | 72.698 |
| 2) | SA Decachlor... | 10.252 | 8.880 | 79754897 | 74745771 | 72.592 | 73.377 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.678 | 4.916 | 31278275 | 21743405 | 719.336 | 720.598 |
| 17) | L4 AR-1242-2 | 5.700 | 4.935 | 45085458 | 30497830 | 724.511 | 727.171 |
| 18) | L4 AR-1242-3 | 5.762 | 5.112 | 27285376 | 16877928 | 705.908 | 709.226 |
| 19) | L4 AR-1242-4 | 5.859 | 5.196 | 23125338 | 15945991 | 710.396 | 712.863 |
| 20) | L4 AR-1242-5 | 6.590 | 5.721 | 23553432 | 20212182 | 735.787 | 718.220 |

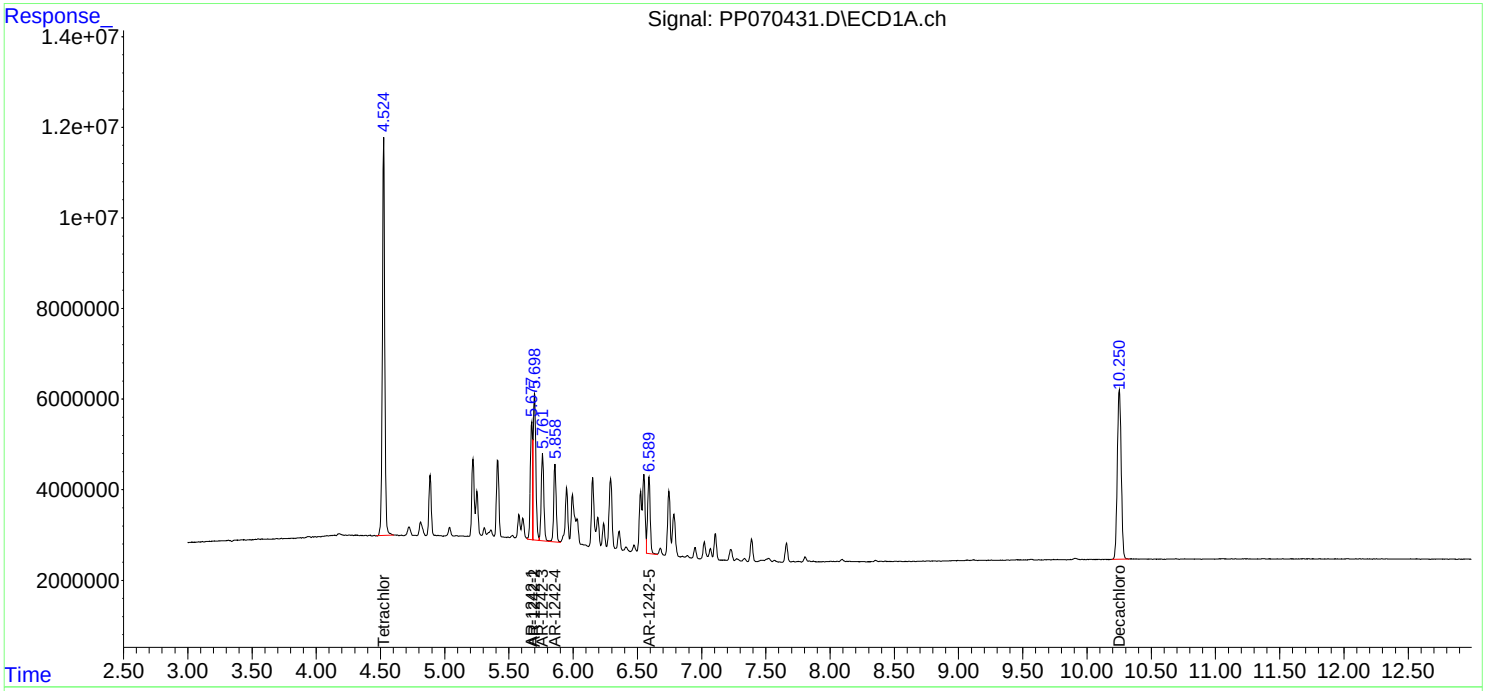
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

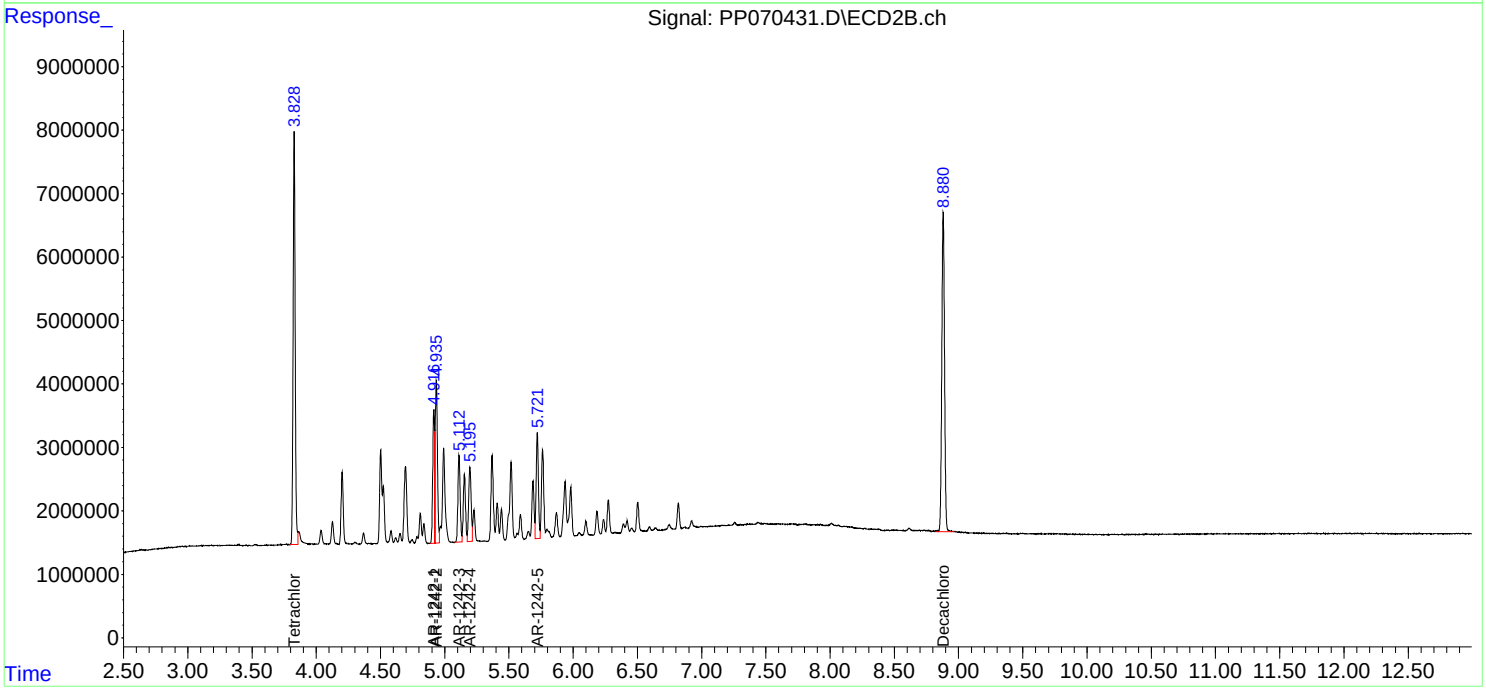
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070431.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:28
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 15 Sample Multiplier: 1

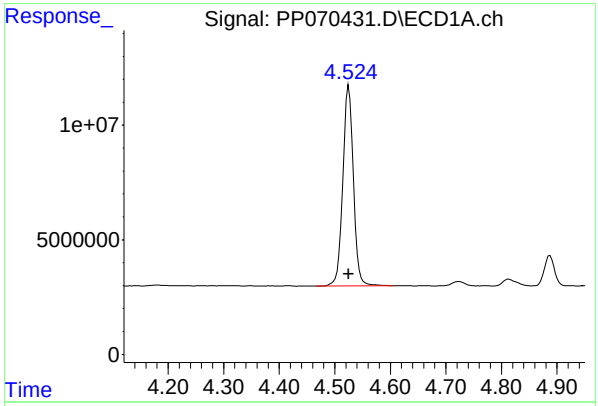
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



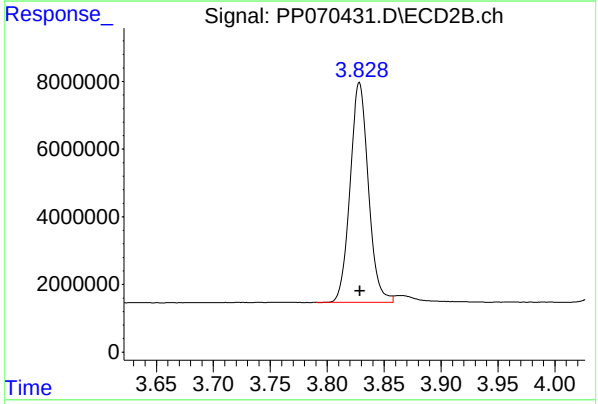






#1 Tetrachloro-m-xylene

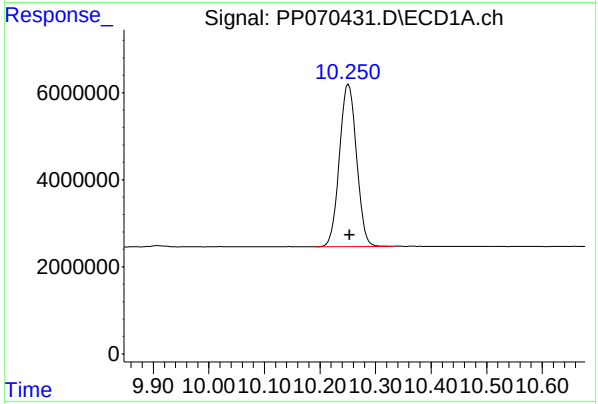
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 115389928
Conc: 72.68 ng/ml

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



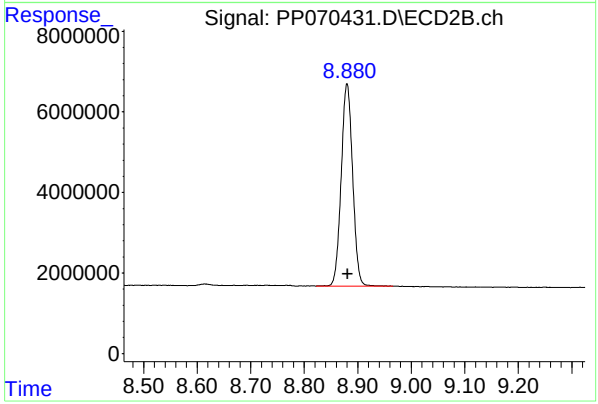

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 72710939
Conc: 72.70 ng/ml



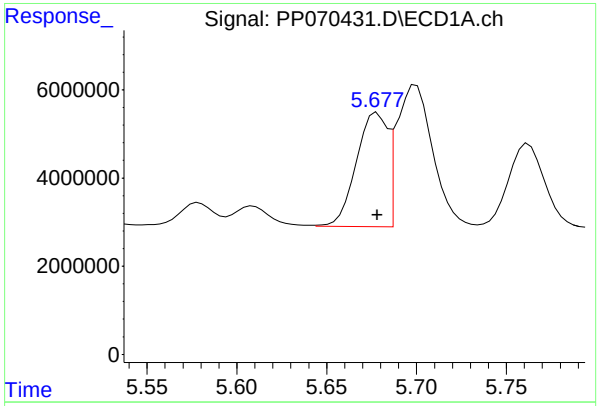

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 79754897
Conc: 72.59 ng/ml




#2 Decachlorobiphenyl

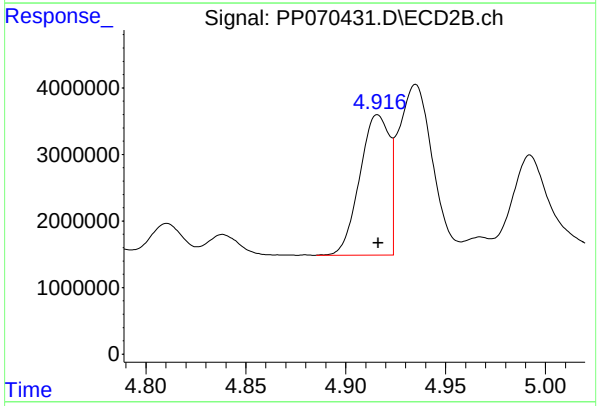
R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 74745771
Conc: 73.38 ng/ml




#16 AR-1242-1

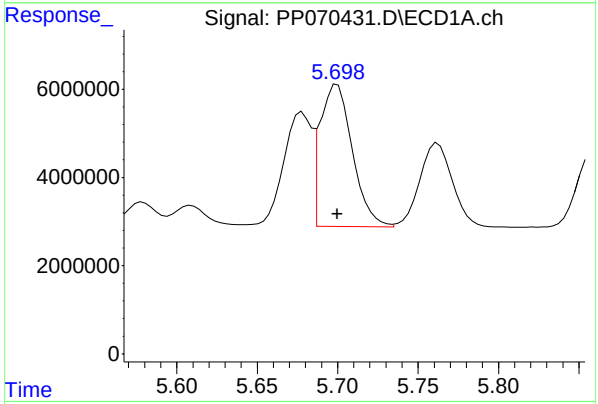
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 31278275
Conc: 719.34 ng/ml

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



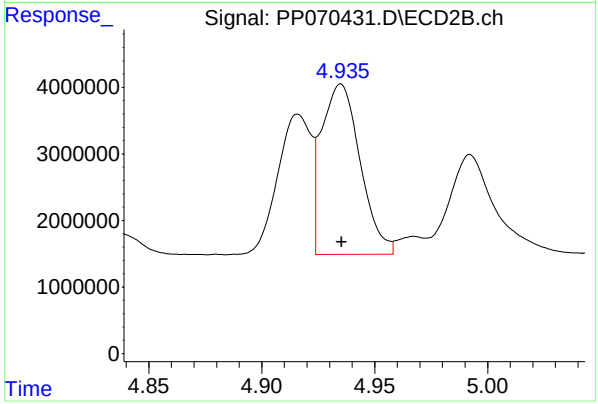

#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 21743405
Conc: 720.60 ng/ml



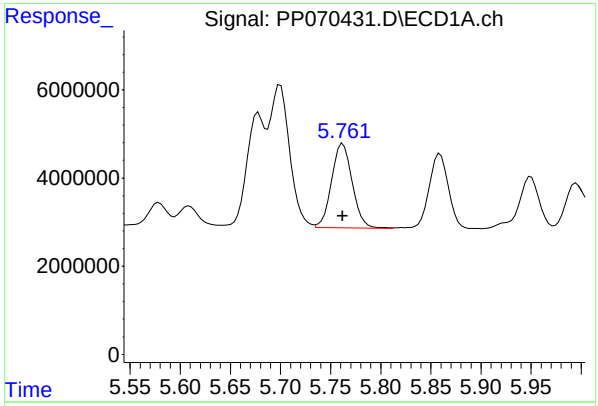

#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 45085458
Conc: 724.51 ng/ml




#17 AR-1242-2

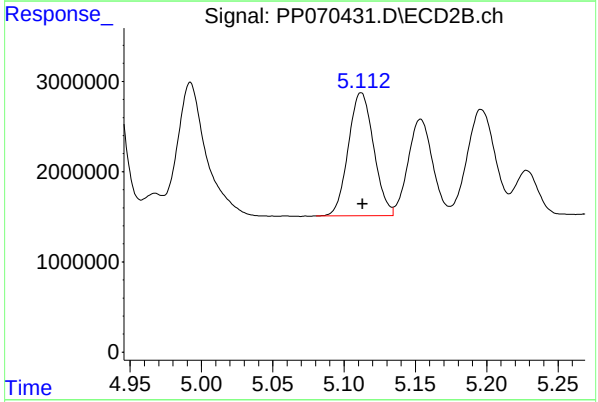
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 30497830
Conc: 727.17 ng/ml




#18 AR-1242-3

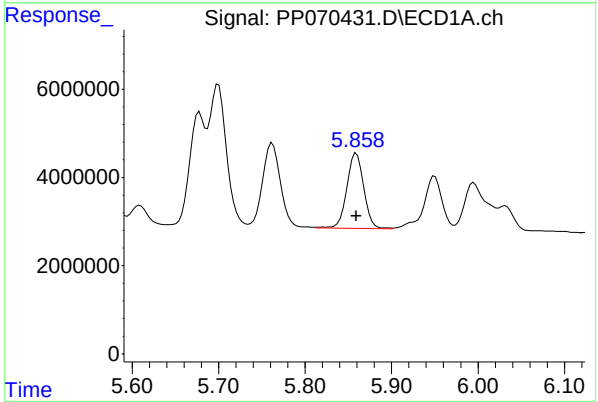
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 27285376
Conc: 705.91 ng/ml

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



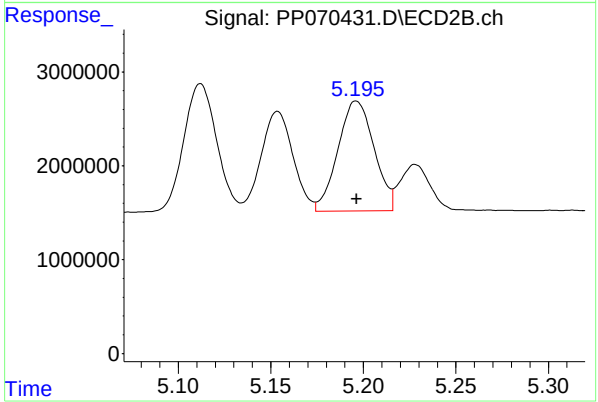

#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 16877928
Conc: 709.23 ng/ml



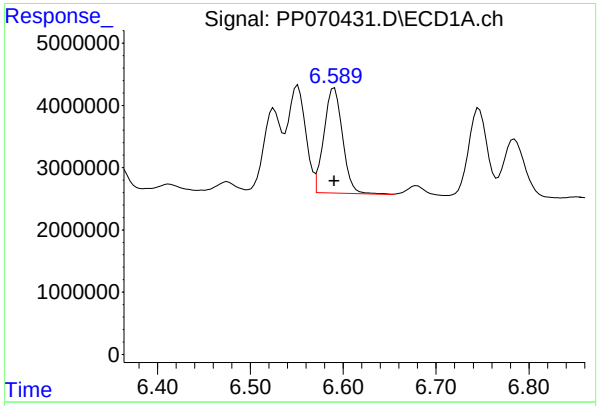

#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 23125338
Conc: 710.40 ng/ml




#19 AR-1242-4

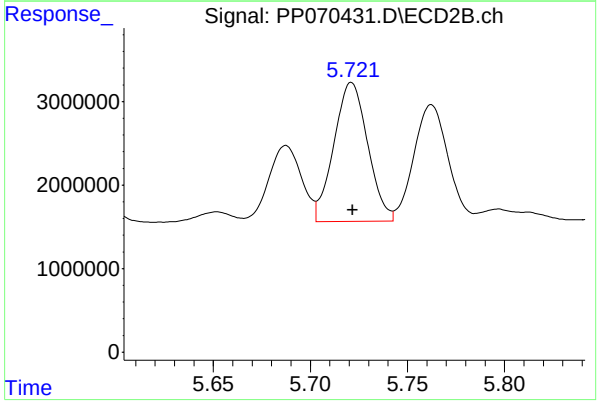
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 15945991
Conc: 712.86 ng/ml




#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 min
Response: 23553432
Conc: 735.79 ng/ml

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




#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 20212182
Conc: 718.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
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: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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... | 4.525 | 3.829 | 79385142 | 50008599 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.253 | 8.881 | 54933901 | 50932459 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.678 | 4.916 | 21741066 | 15087052 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.700 | 4.935 | 31114422 | 20970194 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 5.762 | 5.113 | 19326447 | 11898844 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 5.859 | 5.196 | 16276361 | 11184477 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.590 | 5.722 | 16005604 | 14071017 | 500.000 | 500.000 |

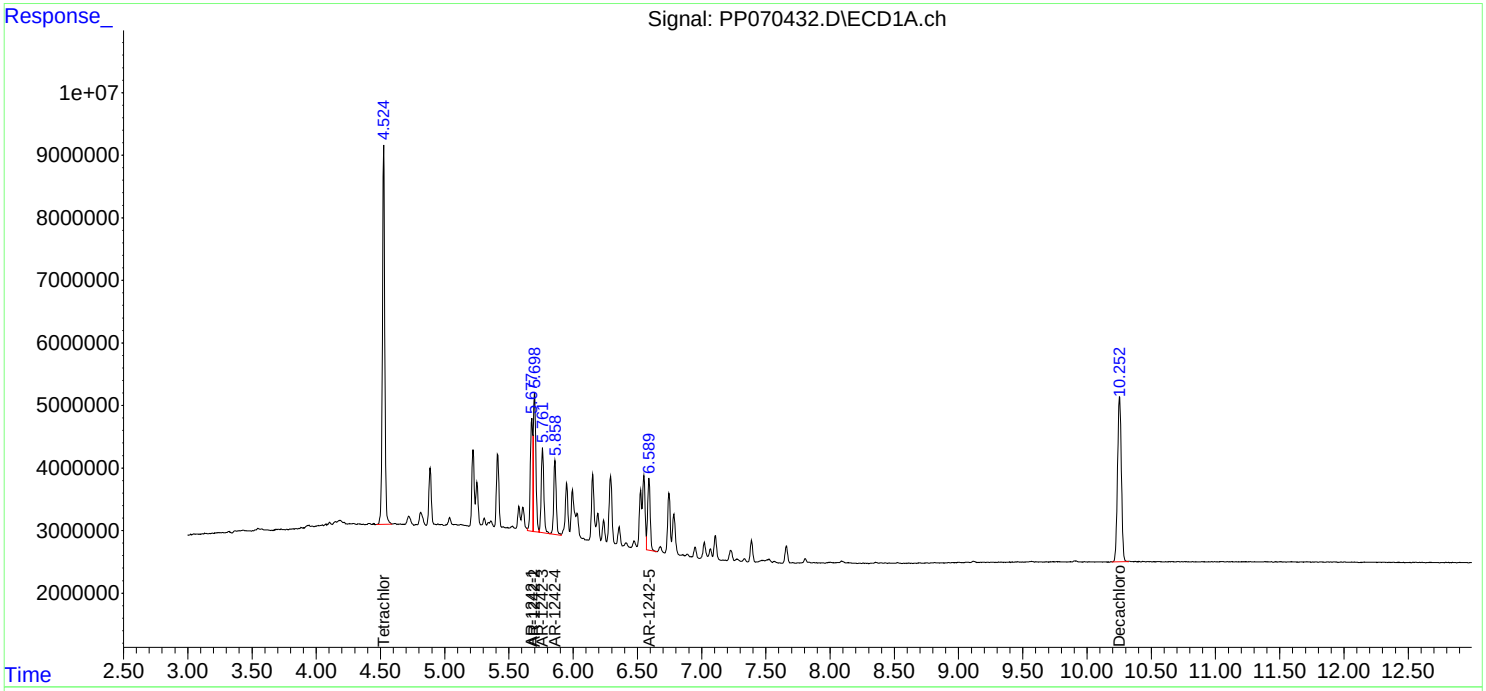
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

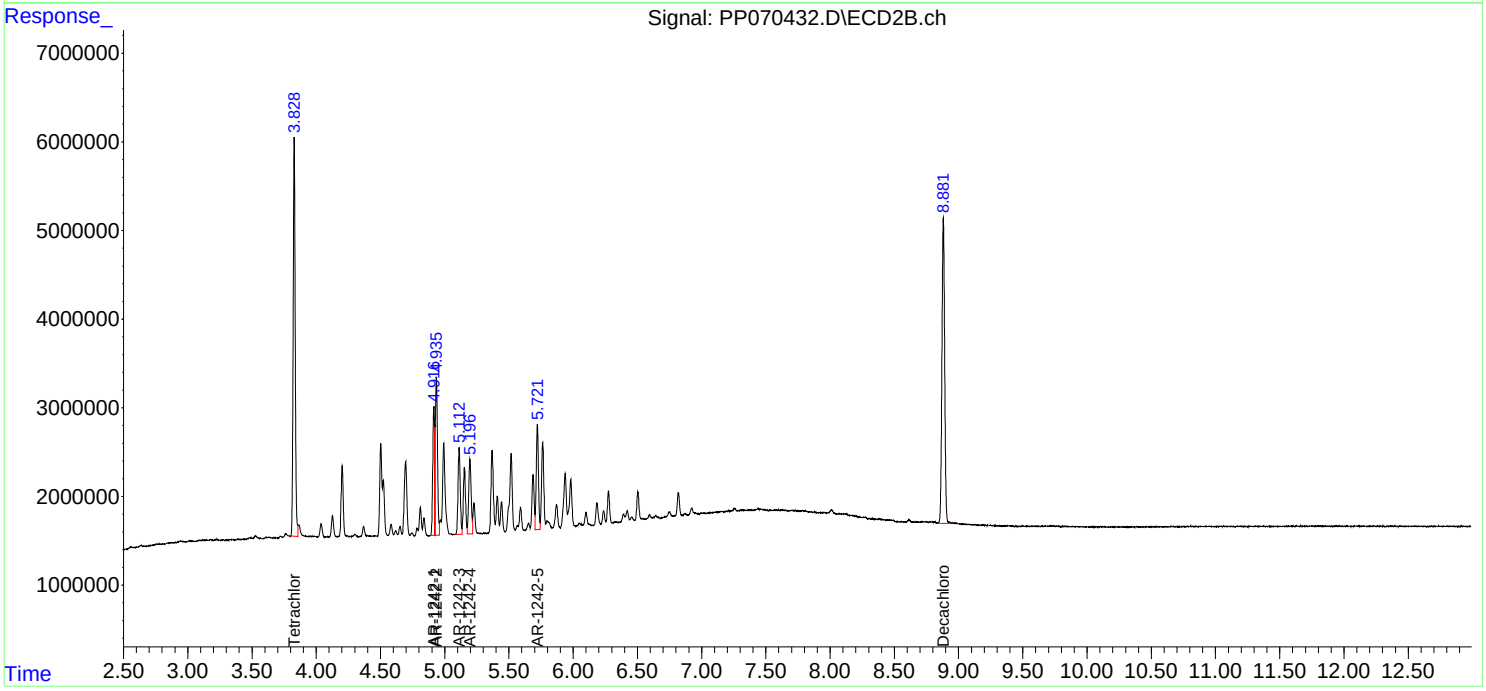
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 18:45
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 16 Sample Multiplier: 1

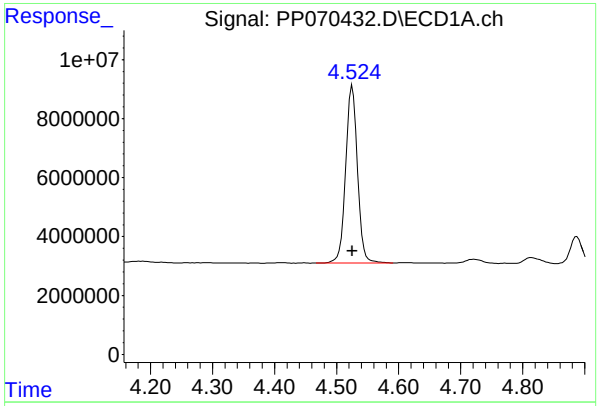
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:16:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



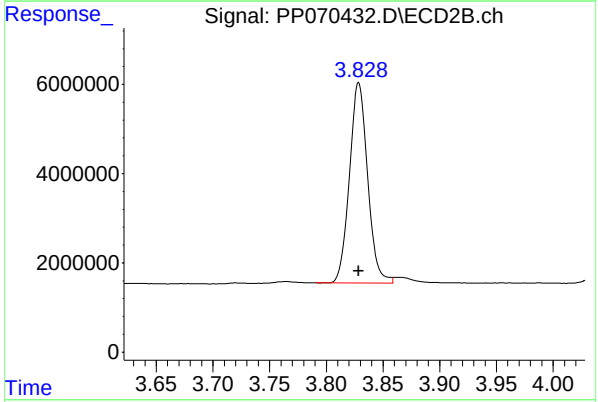






#1 Tetrachloro-m-xylene

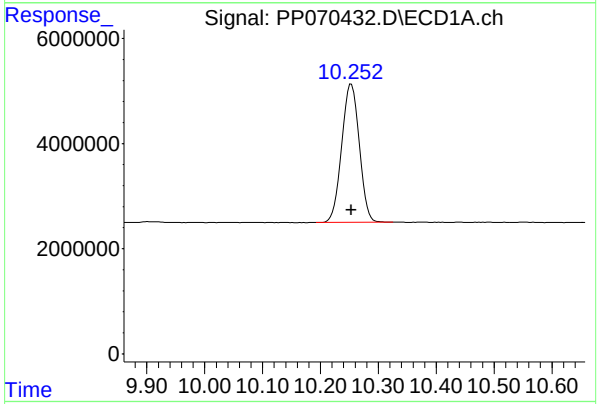
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 79385142
Conc: 50.00 ng/ml

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



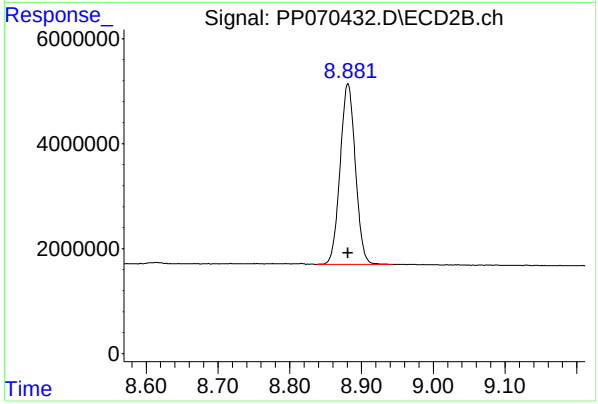

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.000 min
Response: 50008599
Conc: 50.00 ng/ml



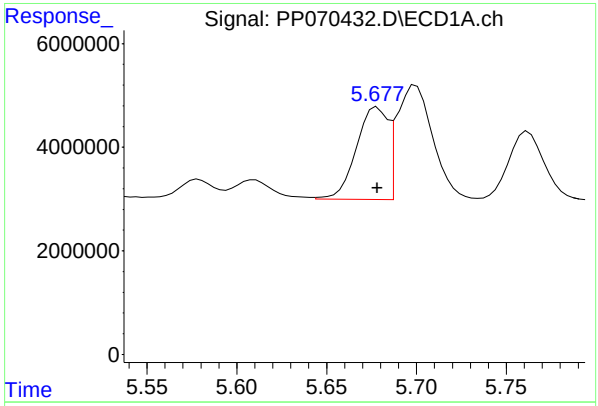

#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 54933901
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

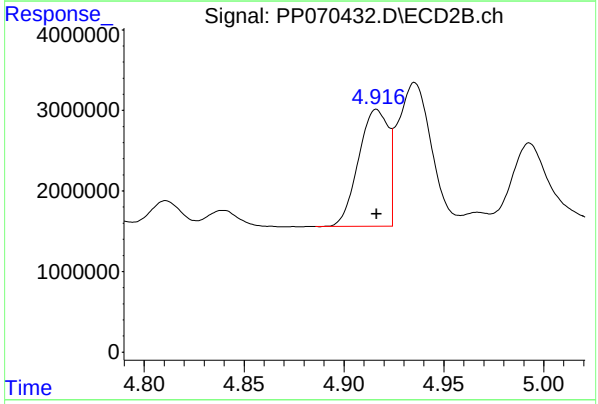
R.T.: 8.881 min
Delta R.T.: 0.000 min
Response: 50932459
Conc: 50.00 ng/ml




#16 AR-1242-1

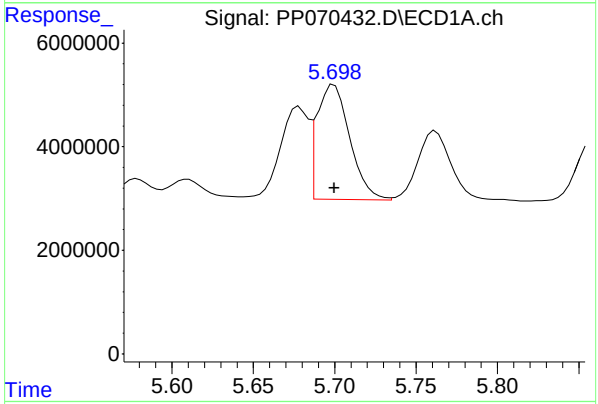
R.T.: 5.678 min
Delta R.T.: 0.000 min
Response: 21741066
Conc: 500.00 ng/ml

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



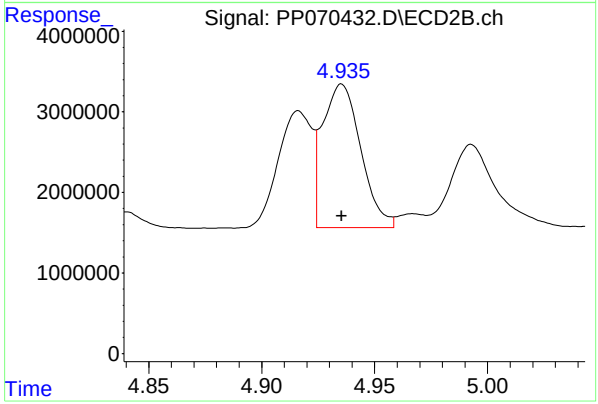

#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 15087052
Conc: 500.00 ng/ml



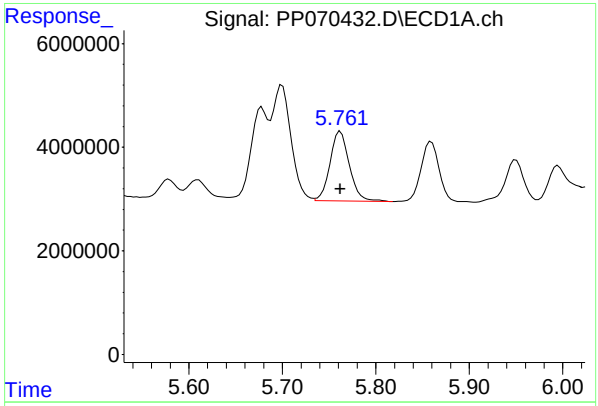

#17 AR-1242-2

R.T.: 5.700 min
Delta R.T.: 0.000 min
Response: 31114422
Conc: 500.00 ng/ml




#17 AR-1242-2

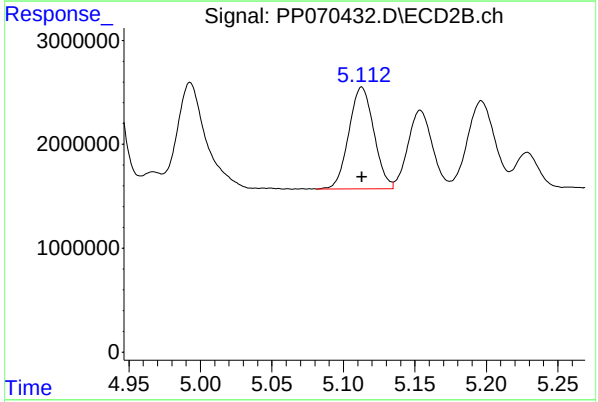
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 20970194
Conc: 500.00 ng/ml




#18 AR-1242-3

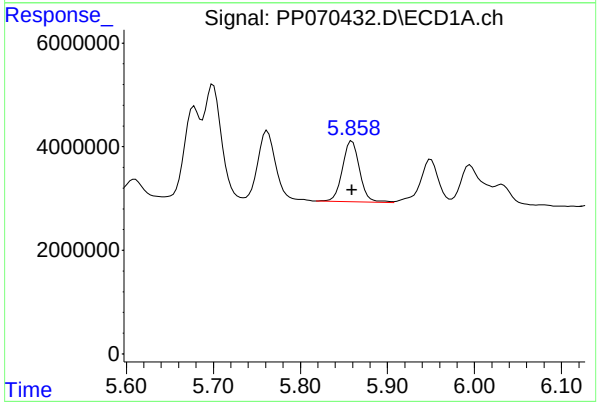
R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19326447
Conc: 500.00 ng/ml

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



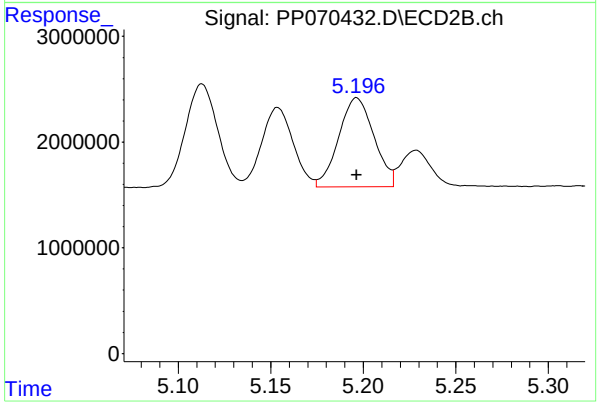

#18 AR-1242-3

R.T.: 5.113 min
Delta R.T.: 0.000 min
Response: 11898844
Conc: 500.00 ng/ml



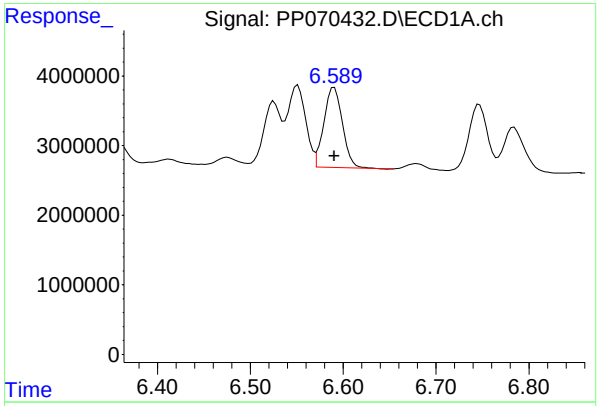

#19 AR-1242-4

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 16276361
Conc: 500.00 ng/ml




#19 AR-1242-4

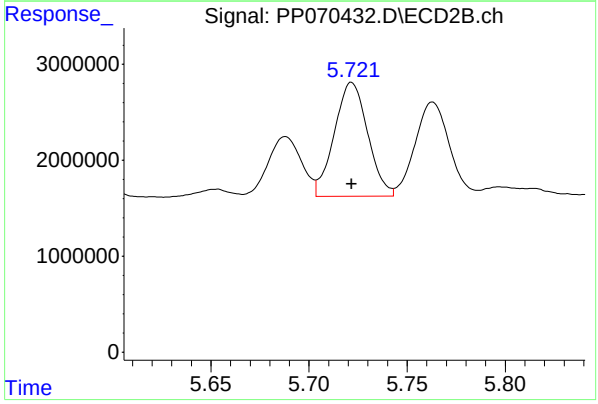
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 11184477
Conc: 500.00 ng/ml




#20 AR-1242-5

R.T.: 6.590 min
Delta R.T.: 0.000 min
Response: 16005604
Conc: 500.00 ng/ml

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




#20 AR-1242-5

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 14071017
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
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: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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... | 4.524 | 3.828 | 41377010 | 26035193 | 26.061 | 26.031 |
| 2) | SA Decachlor... | 10.252 | 8.882 | 28665426 | 26753118 | 26.091 | 26.263 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.677 | 4.916 | 11964118 | 8132112 | 275.150 | 269.506 |
| 17) | L4 AR-1242-2 | 5.699 | 4.935 | 16512640 | 11403170 | 265.353 | 271.890 |
| 18) | L4 AR-1242-3 | 5.761 | 5.112 | 10411351 | 6390296 | 269.355 | 268.526 |
| 19) | L4 AR-1242-4 | 5.858 | 5.197 | 8770541 | 5985325 | 269.426 | 267.573 |
| 20) | L4 AR-1242-5 | 6.589 | 5.721 | 8174876 | 7415218 | 255.375 | 263.493 |

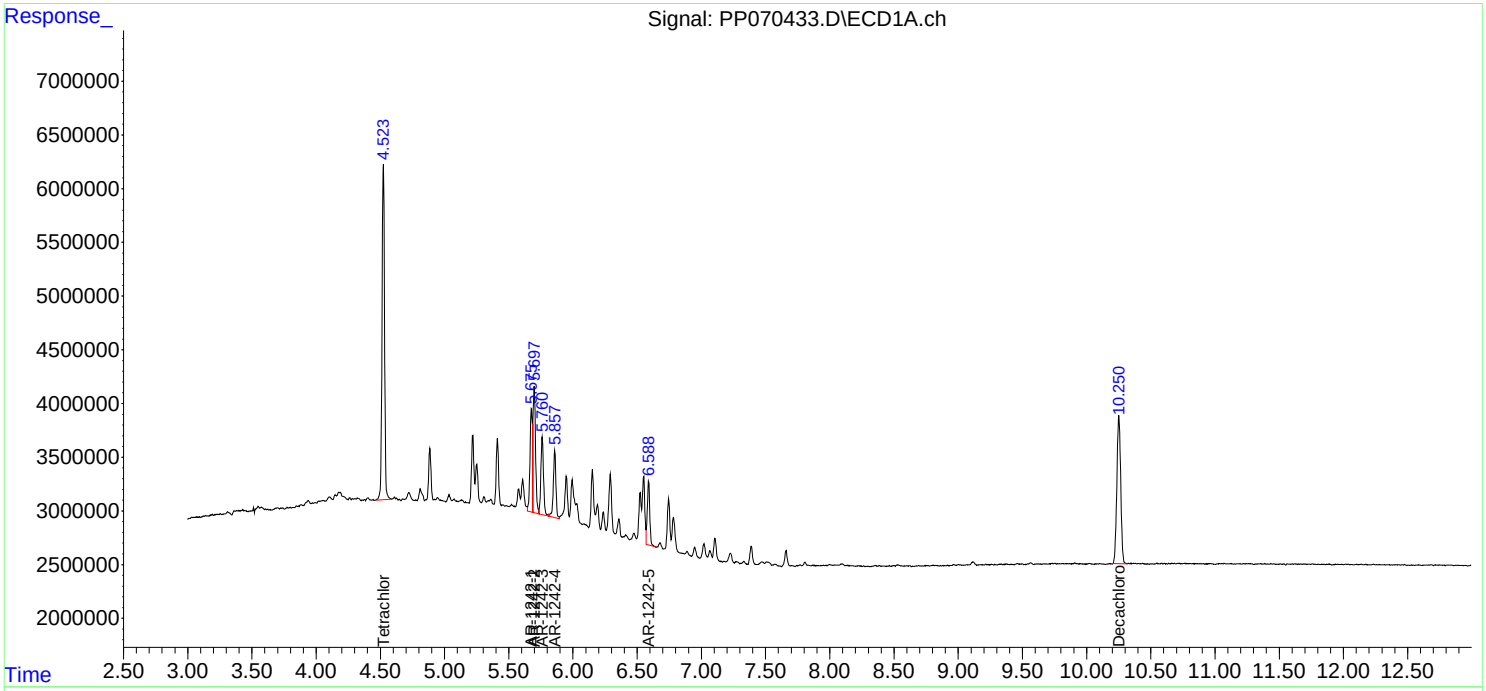
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

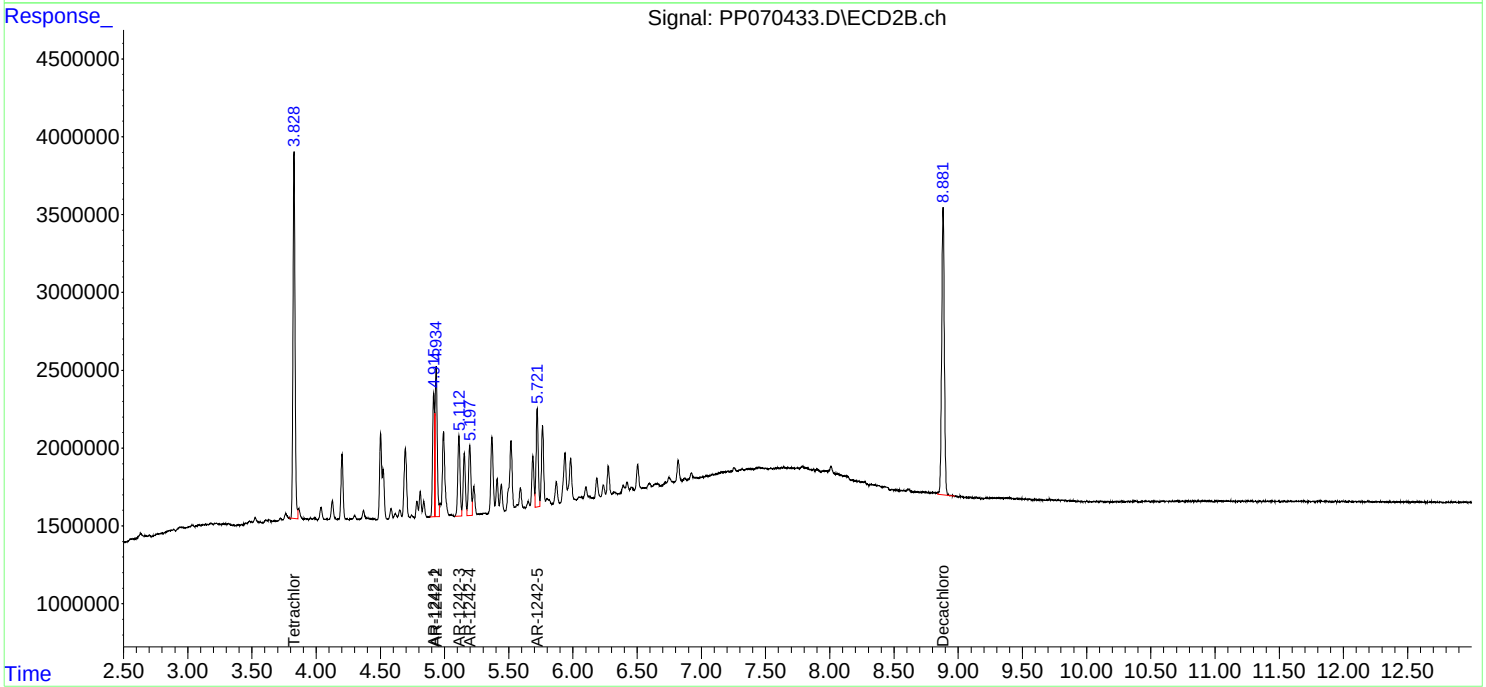
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:01
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 17 Sample Multiplier: 1

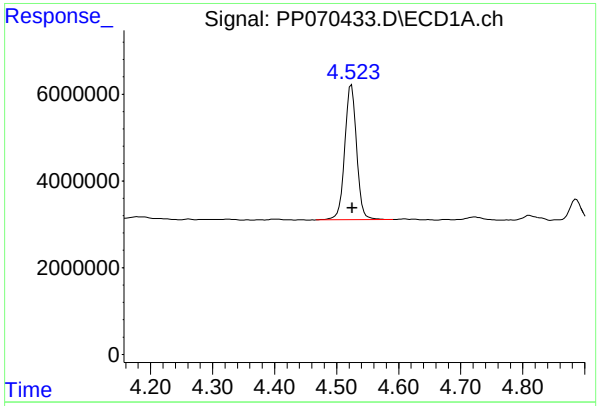
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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



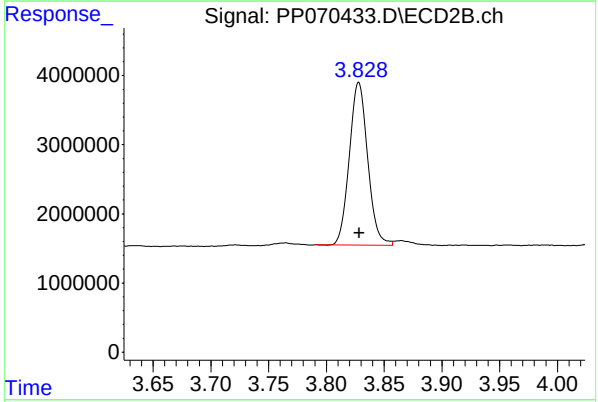






#1 Tetrachloro-m-xylene

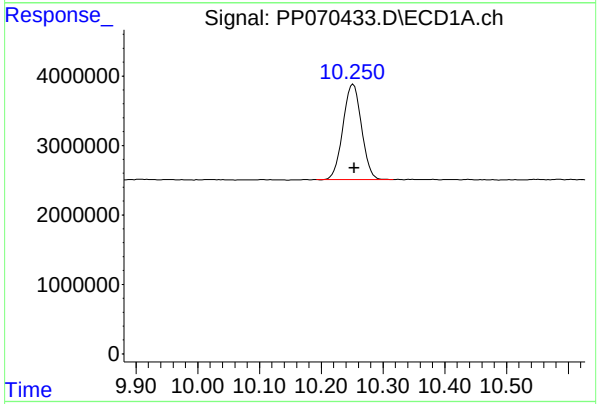
R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 41377010
Conc: 26.06 ng/ml

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



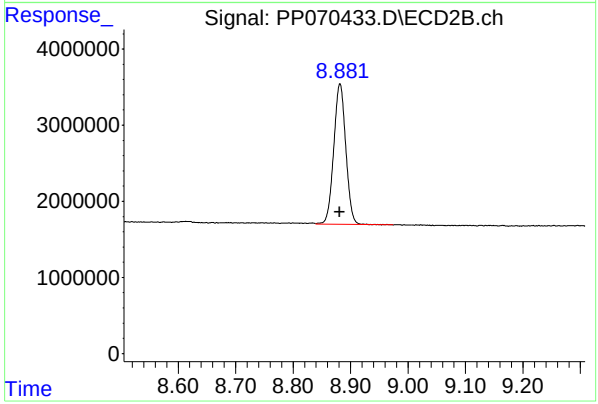

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26035193
Conc: 26.03 ng/ml



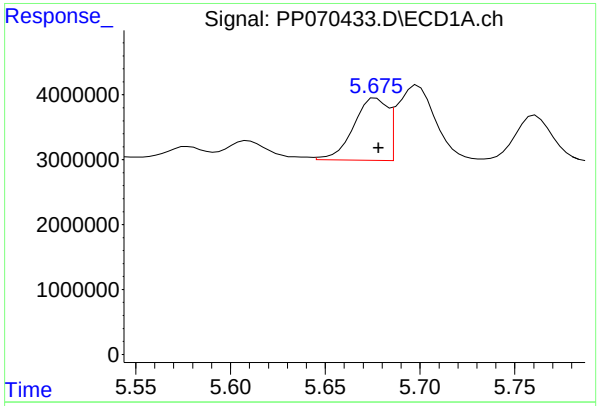

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.002 min
Response: 28665426
Conc: 26.09 ng/ml




#2 Decachlorobiphenyl

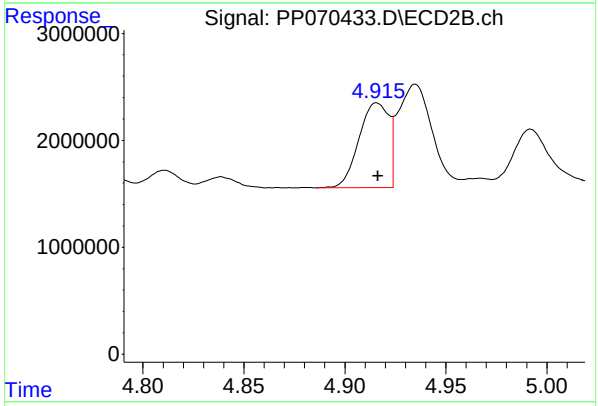
R.T.: 8.882 min
Delta R.T.: 0.000 min
Response: 26753118
Conc: 26.26 ng/ml




#16 AR-1242-1

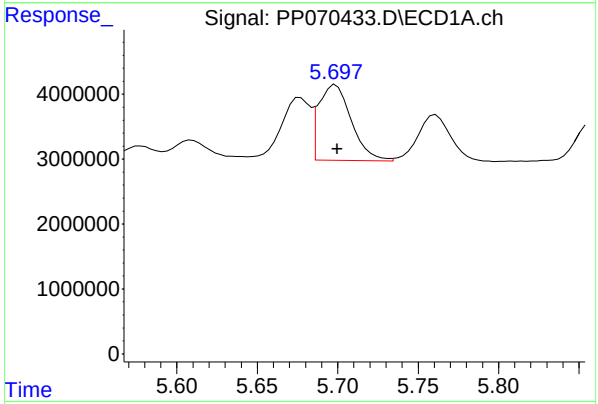
R.T.: 5.677 min
Delta R.T.: -0.001 min
Response: 11964118
Conc: 275.15 ng/ml

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



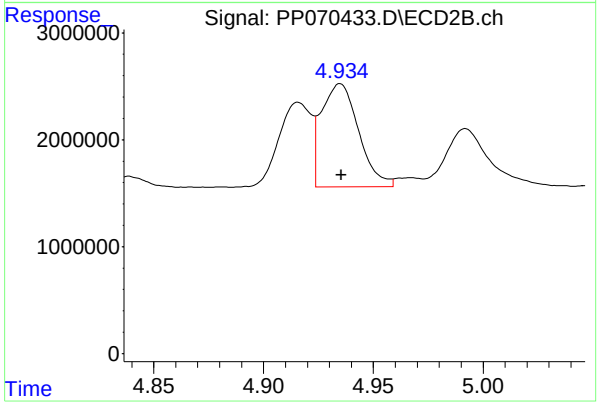

#16 AR-1242-1

R.T.: 4.916 min
Delta R.T.: 0.000 min
Response: 8132112
Conc: 269.51 ng/ml



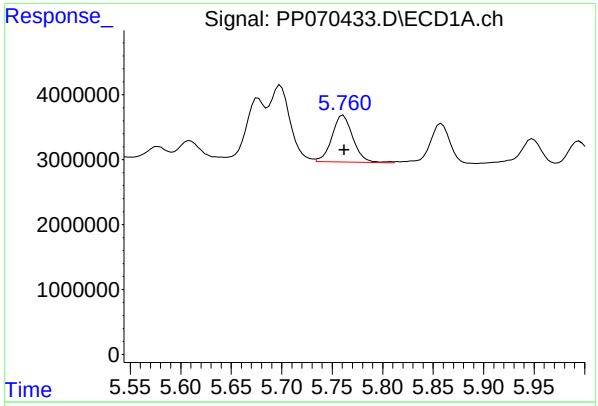

#17 AR-1242-2

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 16512640
Conc: 265.35 ng/ml




#17 AR-1242-2

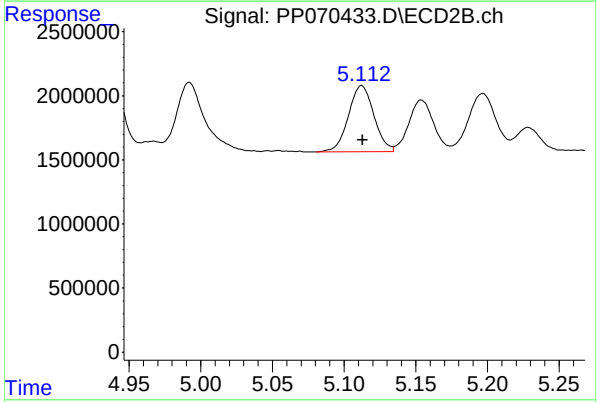
R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 11403170
Conc: 271.89 ng/ml




#18 AR-1242-3

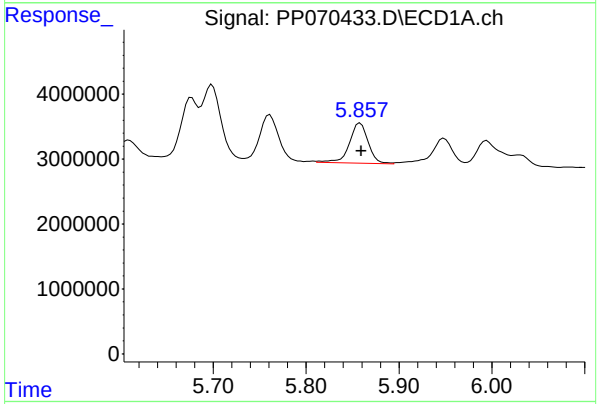
R.T.: 5.761 min
Delta R.T.: -0.001 min
Response: 10411351
Conc: 269.36 ng/ml

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



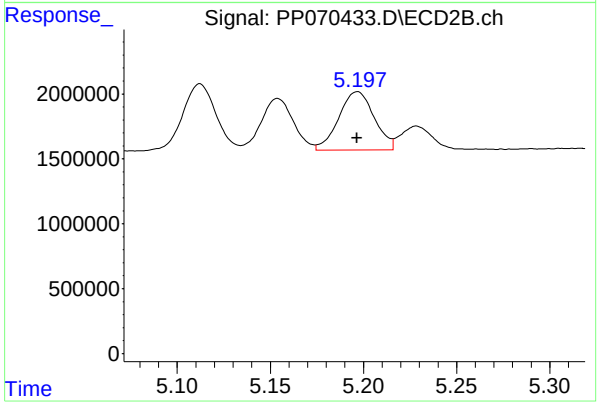

#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6390296
Conc: 268.53 ng/ml



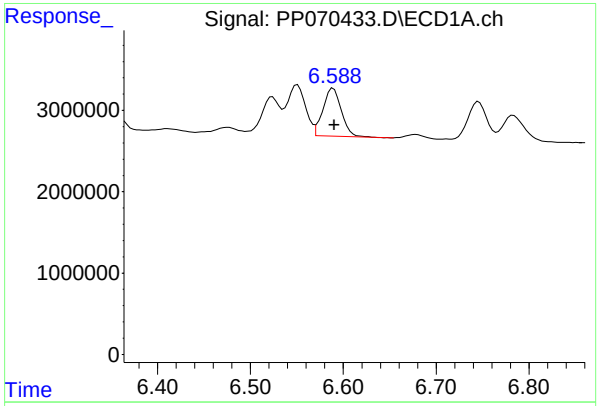

#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.001 min
Response: 8770541
Conc: 269.43 ng/ml




#19 AR-1242-4

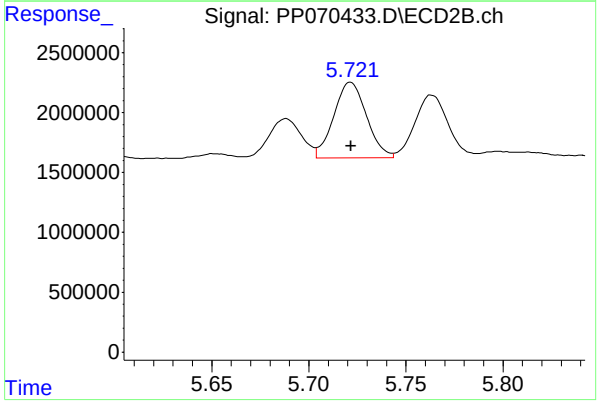
R.T.: 5.197 min
Delta R.T.: 0.000 min
Response: 5985325
Conc: 267.57 ng/ml




#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 min
Response: 8174876
Conc: 255.38 ng/ml

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




#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 7415218
Conc: 263.49 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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... | 4.525 | 3.828 | 7892451 | 5217010 | 4.971 | 5.216 |
| 2) | SA Decachlor... | 10.251 | 8.880 | 5096068 | 5757436 | 4.638 | 5.652 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.675 | 4.915 | 2497316 | 1649451 | 57.433m | 54.664m |
| 17) | L4 AR-1242-2 | 5.698 | 4.933 | 3012916 | 2482544 | 48.417m | 59.192m |
| 18) | L4 AR-1242-3 | 5.760 | 5.112 | 1673238 | 1256336 | 43.289m | 52.792 |
| 19) | L4 AR-1242-4 | 5.858 | 5.196 | 1635861 | 1093177 | 50.253m | 48.870 |
| 20) | L4 AR-1242-5 | 6.589 | 5.721 | 1456532 | 1442093 | 45.501 | 51.243 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:17
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 18 Sample Multiplier: 1

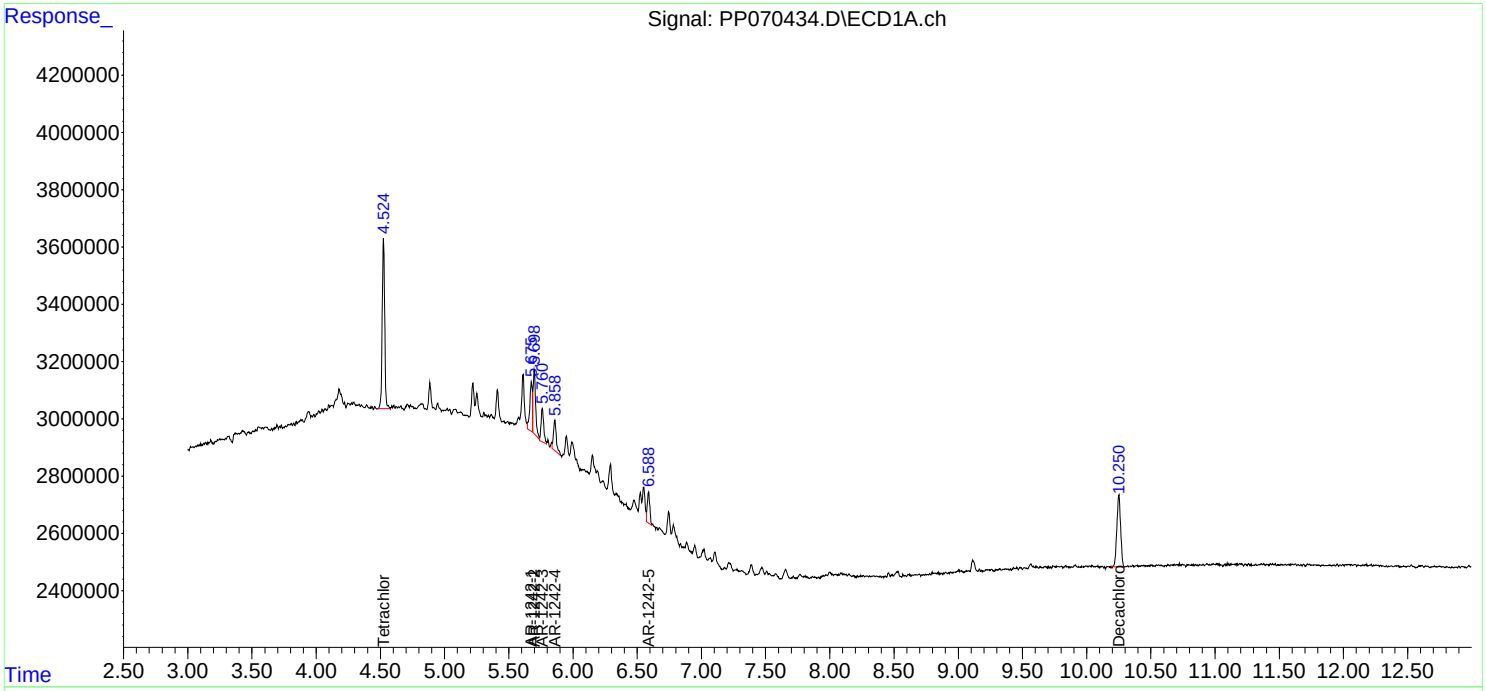
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

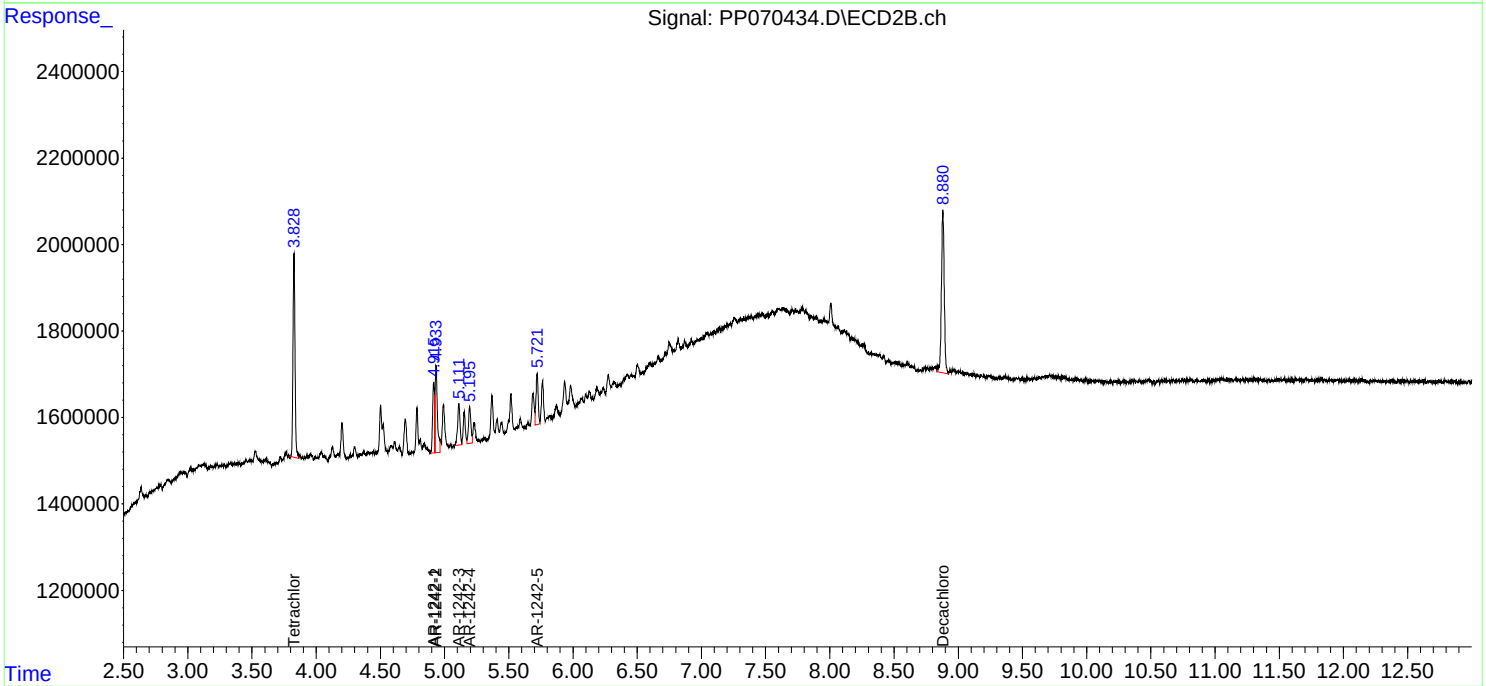
**Manual Integrations APPROVED**

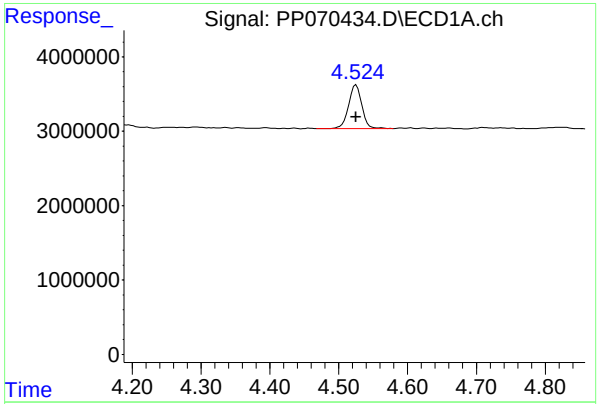
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:17:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:15:44 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





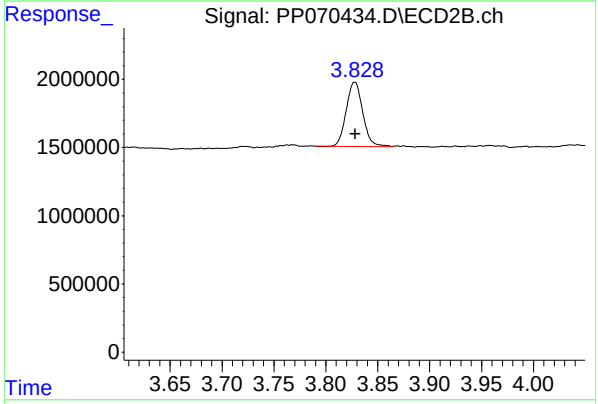

#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 7892451
Conc: 4.97 ng/ml

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

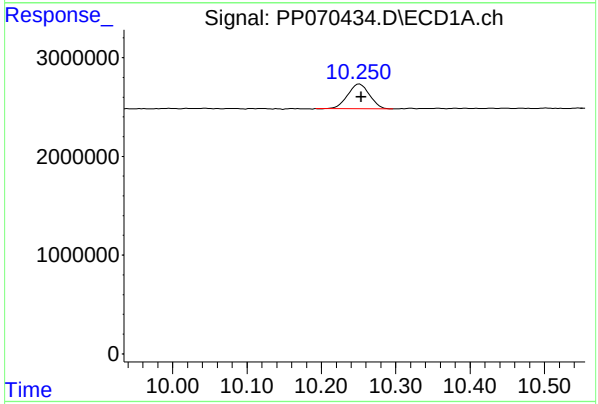
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



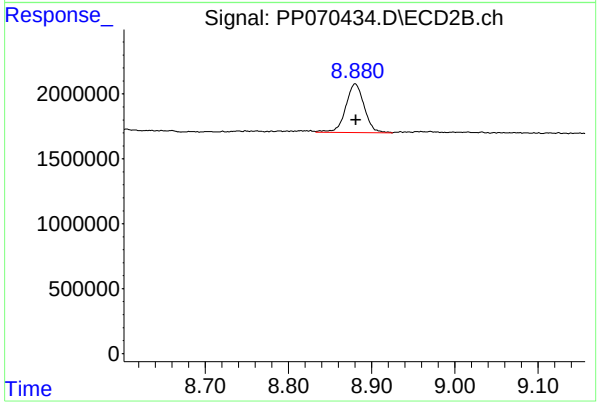

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5217010
Conc: 5.22 ng/ml



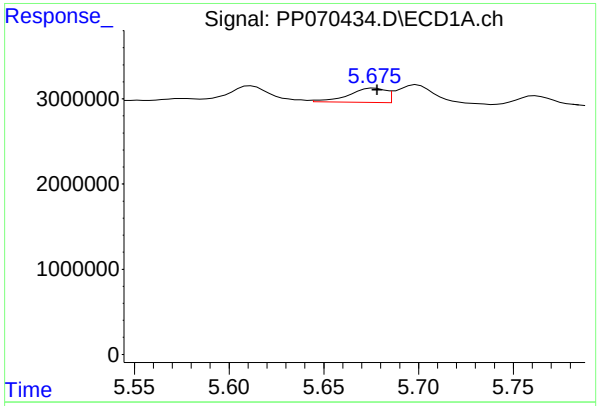

#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 5096068
Conc: 4.64 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 5757436
Conc: 5.65 ng/ml



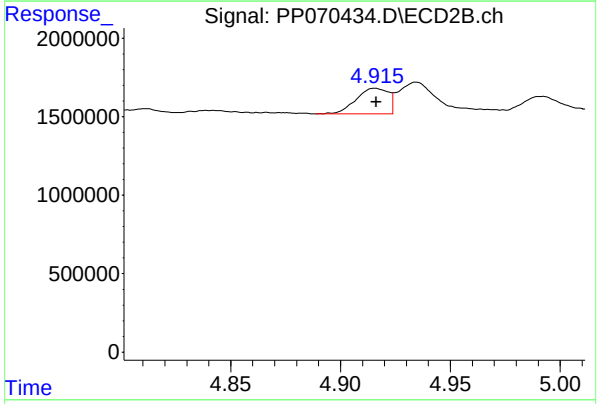

#16 AR-1242-1

R.T.: 5.675 min
Delta R.T.: -0.003 mi
Response: 2497316
Conc: 57.43 ng/m

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

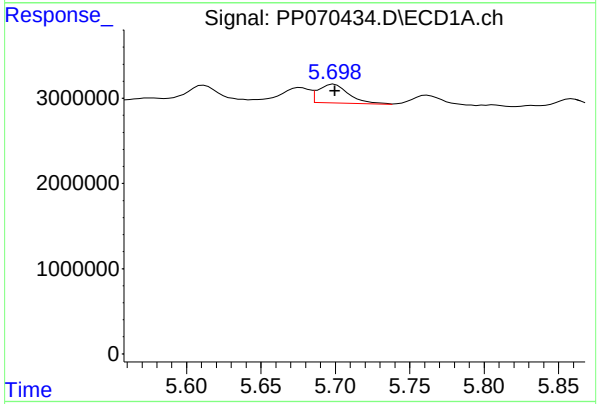
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



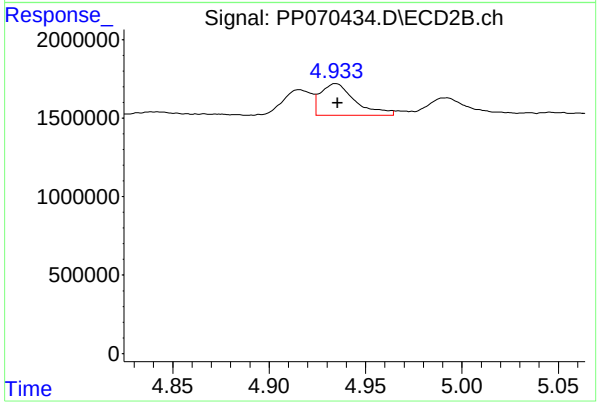

#16 AR-1242-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 1649451
Conc: 54.66 ng/ml m



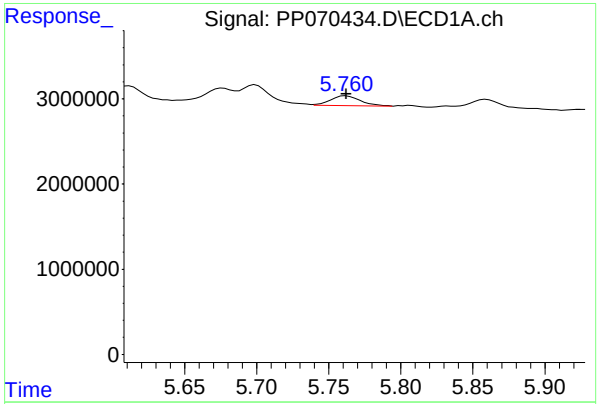

#17 AR-1242-2

R.T.: 5.698 min
Delta R.T.: -0.002 min
Response: 3012916
Conc: 48.42 ng/ml m




#17 AR-1242-2

R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 2482544
Conc: 59.19 ng/ml m



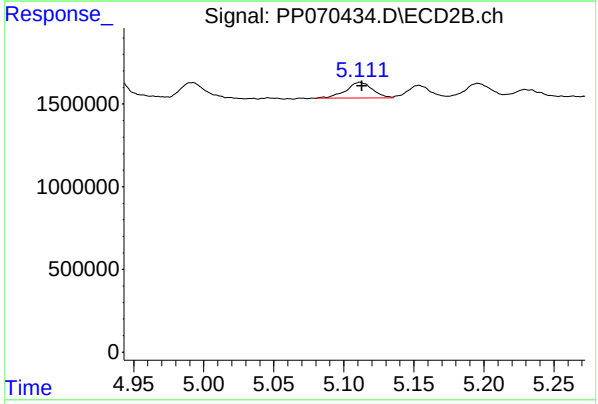

#18 AR-1242-3

R.T.: 5.760 min
Delta R.T.: -0.002 mi
Response: 1673238
Conc: 43.29 ng/m

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

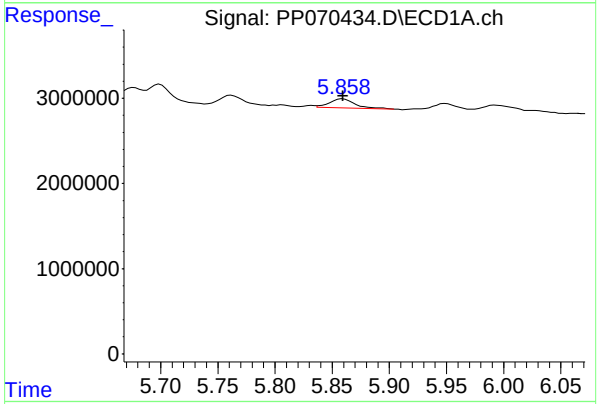
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



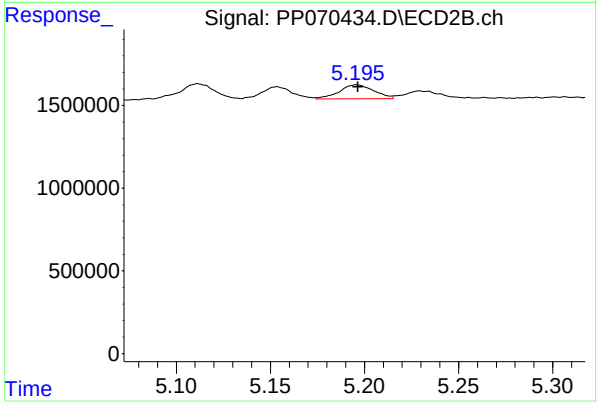

#18 AR-1242-3

R.T.: 5.112 min
Delta R.T.: -0.001 min
Response: 1256336
Conc: 52.79 ng/ml



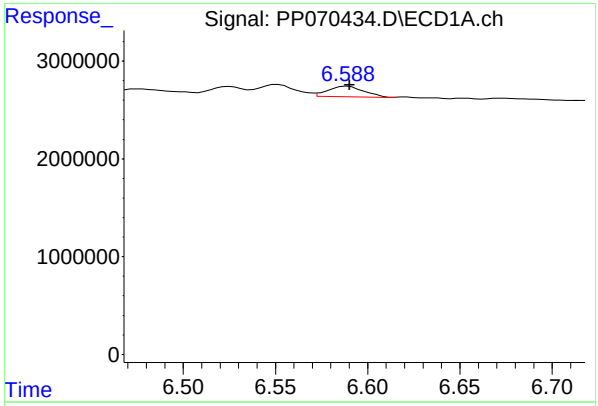

#19 AR-1242-4

R.T.: 5.858 min
Delta R.T.: -0.002 min
Response: 1635861
Conc: 50.25 ng/ml m




#19 AR-1242-4

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 1093177
Conc: 48.87 ng/ml



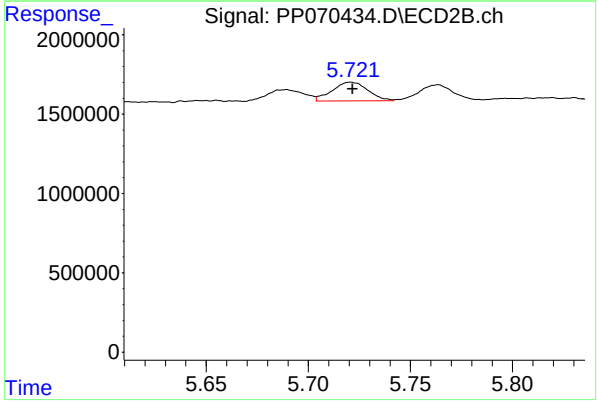

#20 AR-1242-5

R.T.: 6.589 min
Delta R.T.: -0.001 mi
Response: 1456532
Conc: 45.50 ng/m

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025




#20 AR-1242-5

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 1442093
Conc: 51.24 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
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: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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... | 4.525 | 3.828 | 146.4E6 | 94860764 | 91.920 | 91.940 |
| 2) | SA Decachlor... | 10.253 | 8.881 | 101.9E6 | 93329063 | 91.773 | 93.312 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.677 | 4.916 | 30241509 | 21916865 | 879.841 | 907.978 |
| 22) | L5 AR-1248-2 | 5.949 | 5.154 | 39839483 | 28154371 | 903.943 | 890.825 |
| 23) | L5 AR-1248-3 | 6.152 | 5.196 | 43671743 | 29522180 | 923.824 | 895.847 |
| 24) | L5 AR-1248-4 | 6.551 | 5.369 | 52673121 | 34974296 | 915.297 | 909.809 |
| 25) | L5 AR-1248-5 | 6.590 | 5.763 | 49495855 | 34216861 | 911.872 | 888.224 |

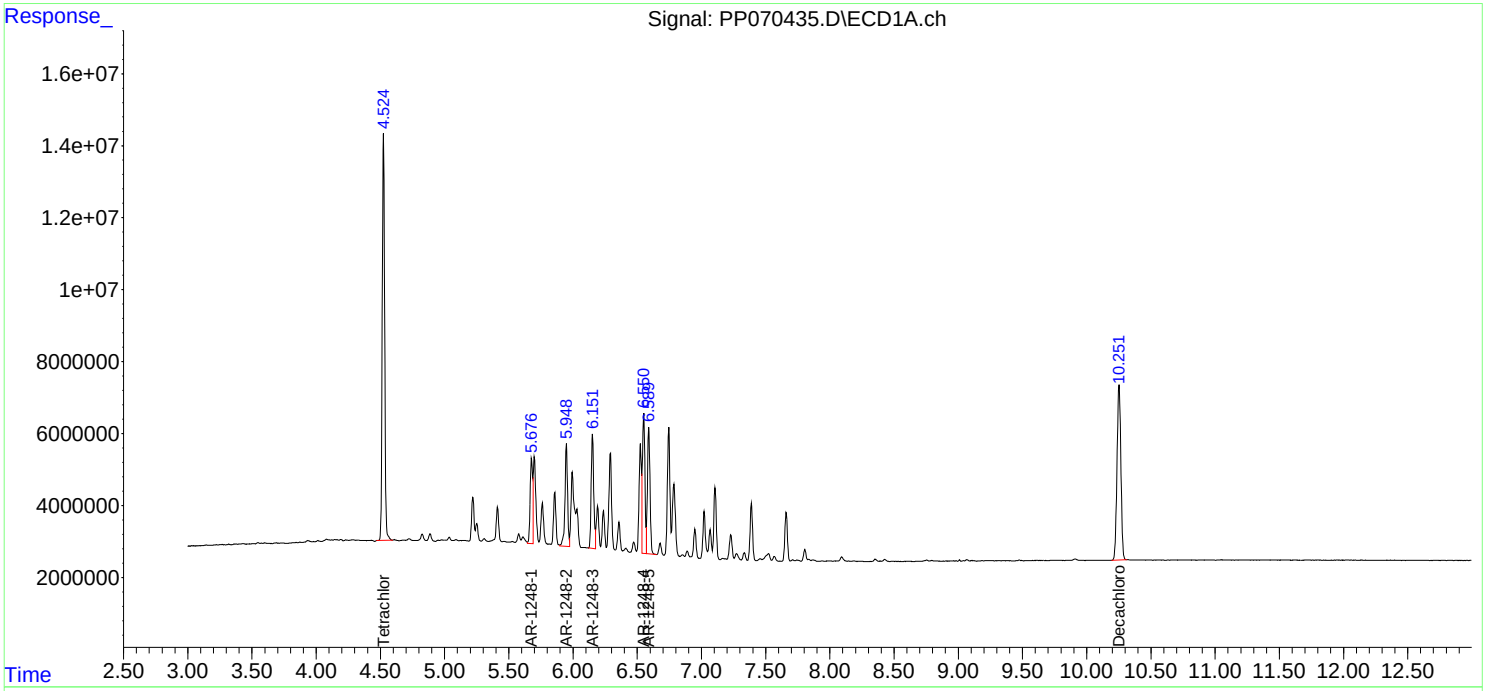
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

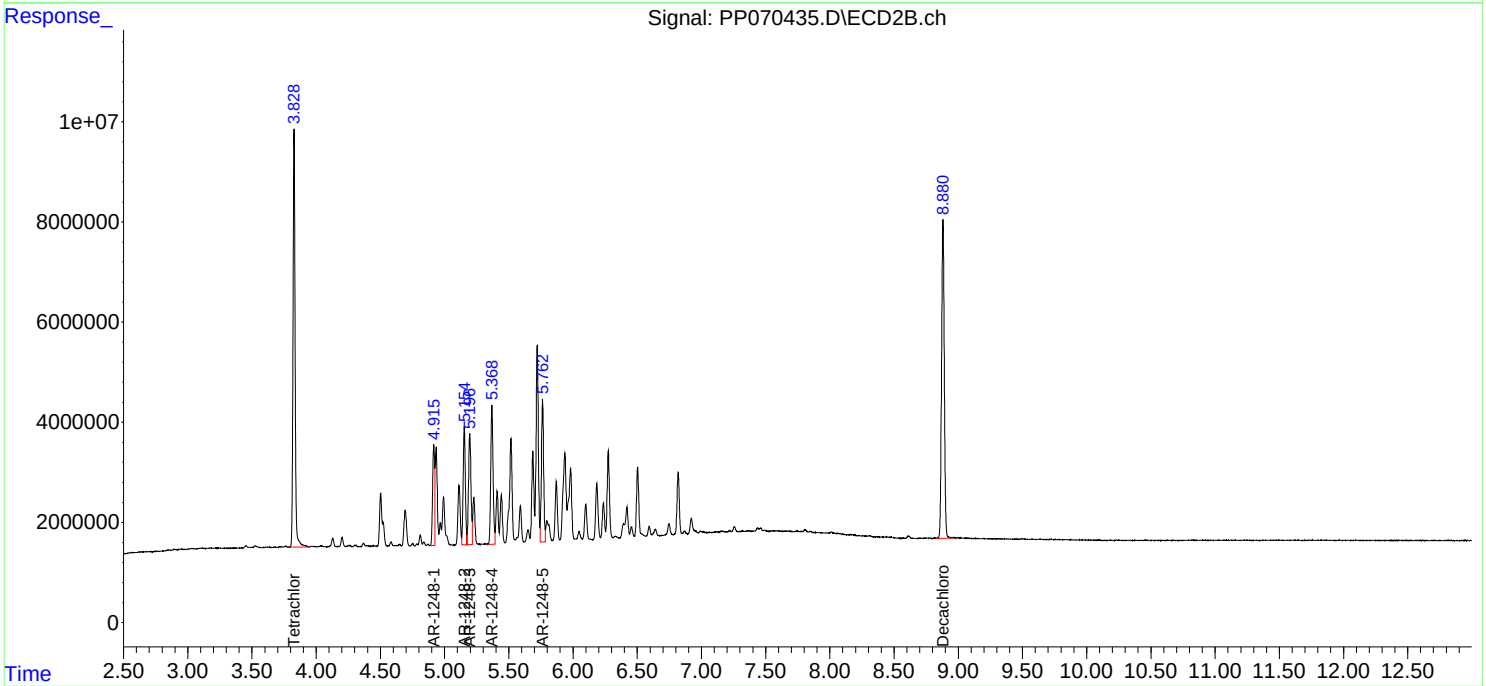
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:34
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 19 Sample Multiplier: 1

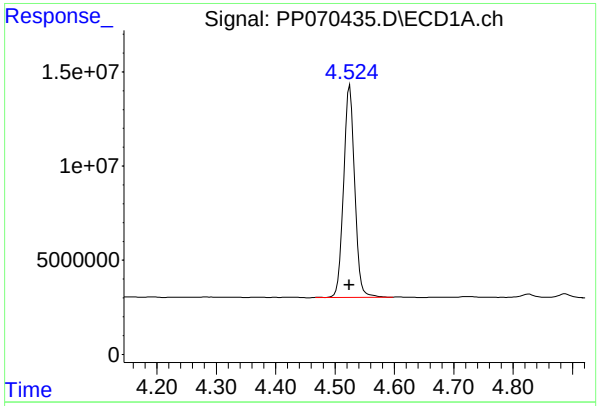
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



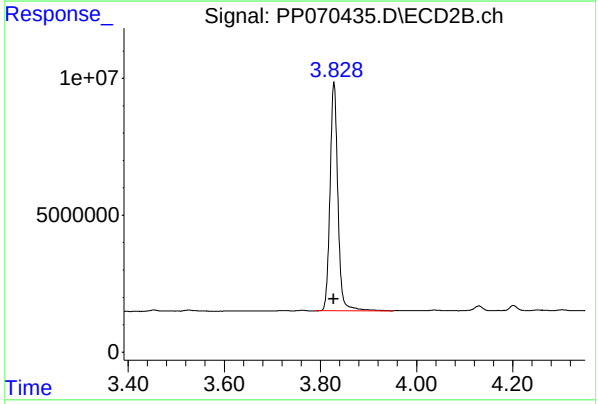






#1 Tetrachloro-m-xylene

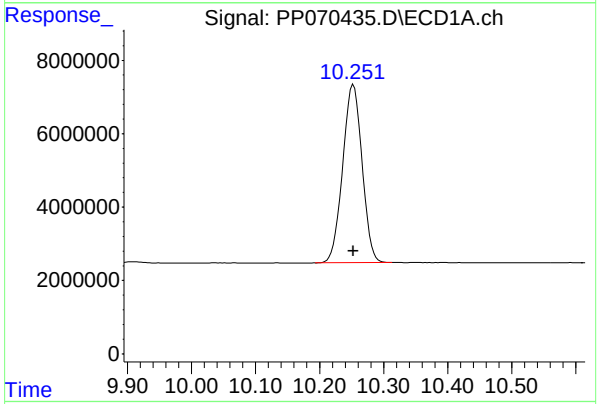
R.T.: 4.525 min
Delta R.T.: 0.001 min
Response: 146436711
Conc: 91.92 ng/ml

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



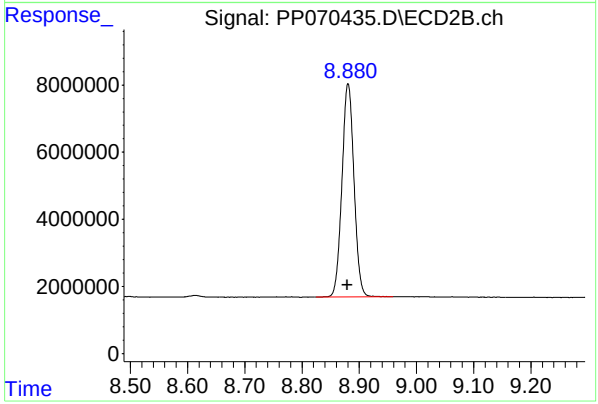

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 94860764
Conc: 91.94 ng/ml



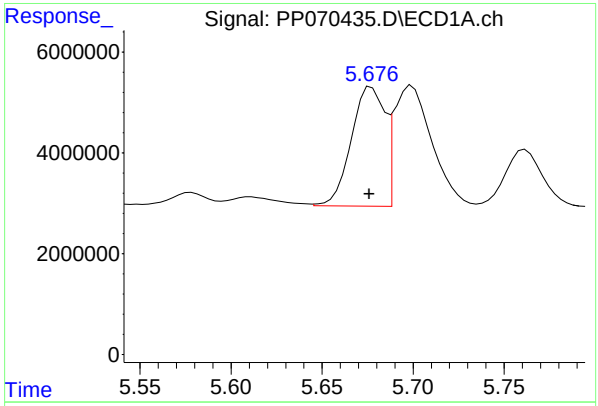

#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 101874553
Conc: 91.77 ng/ml




#2 Decachlorobiphenyl

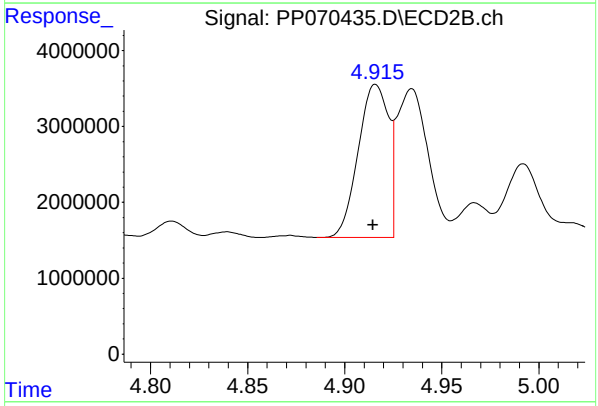
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 93329063
Conc: 93.31 ng/ml




#21 AR-1248-1

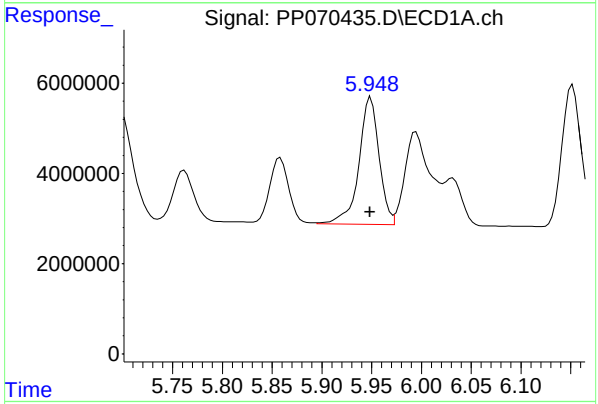
R.T.: 5.677 min
Delta R.T.: 0.001 min
Response: 30241509
Conc: 879.84 ng/ml

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



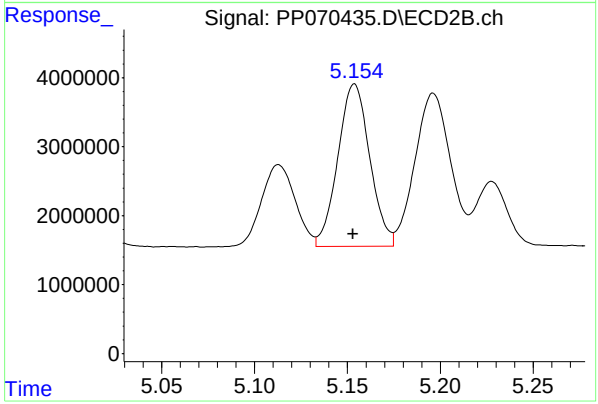

#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 21916865
Conc: 907.98 ng/ml



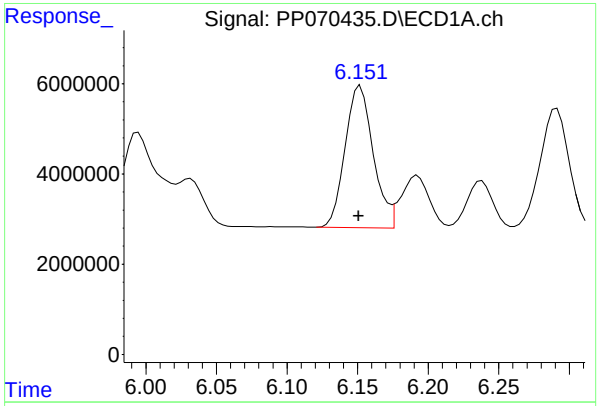

#22 AR-1248-2

R.T.: 5.949 min
Delta R.T.: 0.000 min
Response: 39839483
Conc: 903.94 ng/ml




#22 AR-1248-2

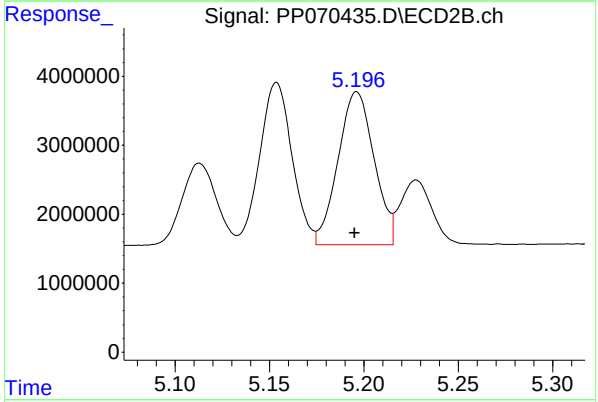
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 28154371
Conc: 890.83 ng/ml




#23 AR-1248-3

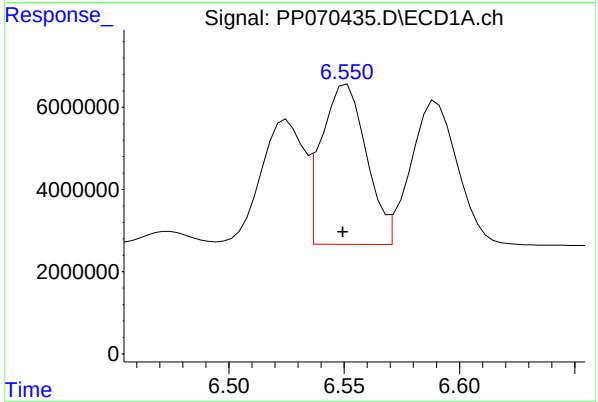
R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 43671743
Conc: 923.82 ng/ml

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



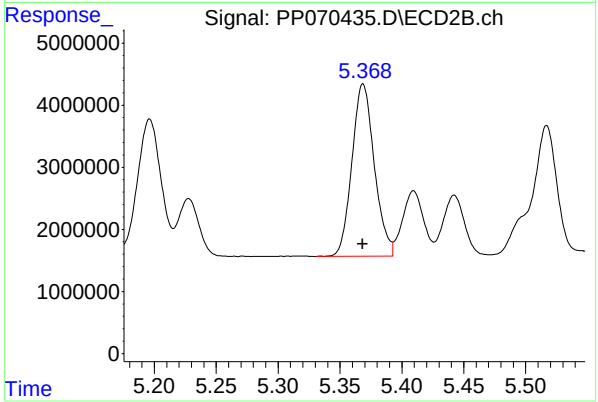

#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 29522180
Conc: 895.85 ng/ml



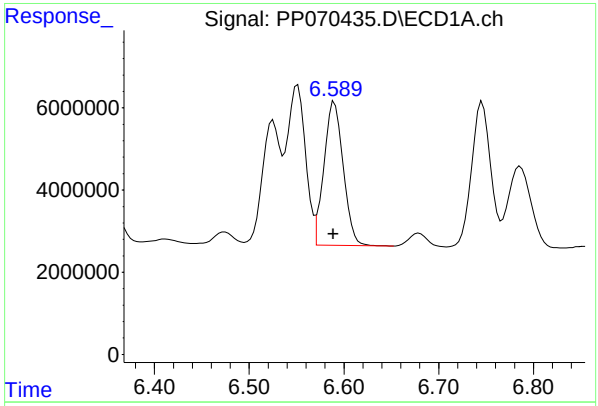

#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 52673121
Conc: 915.30 ng/ml




#24 AR-1248-4

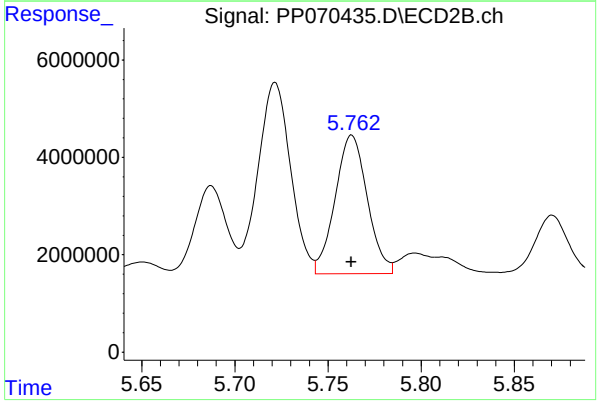
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 34974296
Conc: 909.81 ng/ml




#25 AR-1248-5

R.T.: 6.590 min
Delta R.T.: 0.001 mi
Response: 49495855
Conc: 911.87 ng/m

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




#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 34216861
Conc: 888.22 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
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: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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... | 4.524 | 3.829 | 113.2E6 | 73390816 | 71.068 | 71.131 |
| 2) | SA Decachlor... | 10.251 | 8.881 | 79880946 | 73652526 | 71.961 | 73.639 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.676 | 4.916 | 23877530 | 16604955 | 694.689 | 687.915 |
| 22) | L5 AR-1248-2 | 5.948 | 5.154 | 31299442 | 21860304 | 710.173 | 691.676 |
| 23) | L5 AR-1248-3 | 6.151 | 5.196 | 34151551 | 22815999 | 722.436 | 692.349 |
| 24) | L5 AR-1248-4 | 6.550 | 5.369 | 41100725 | 26820014 | 714.205 | 697.687 |
| 25) | L5 AR-1248-5 | 6.589 | 5.763 | 39169453 | 26657299 | 721.627 | 691.988 |

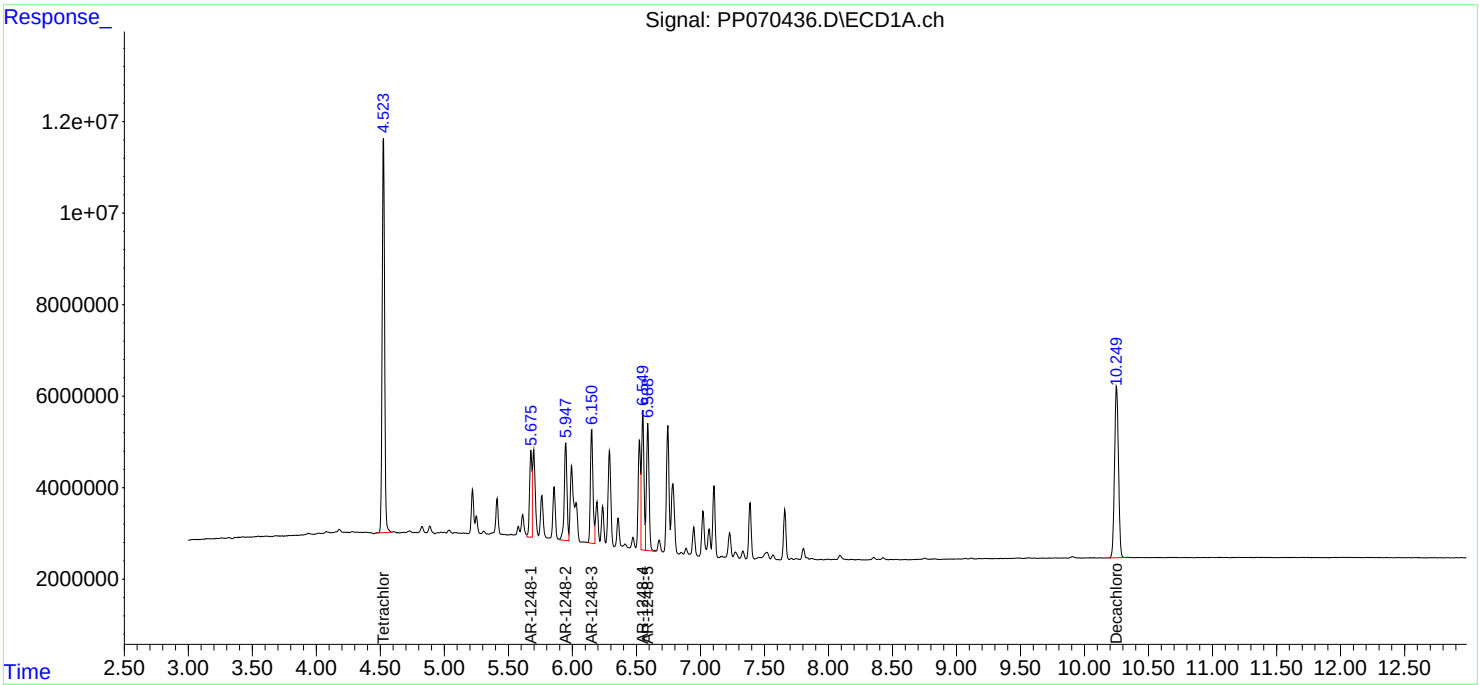
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

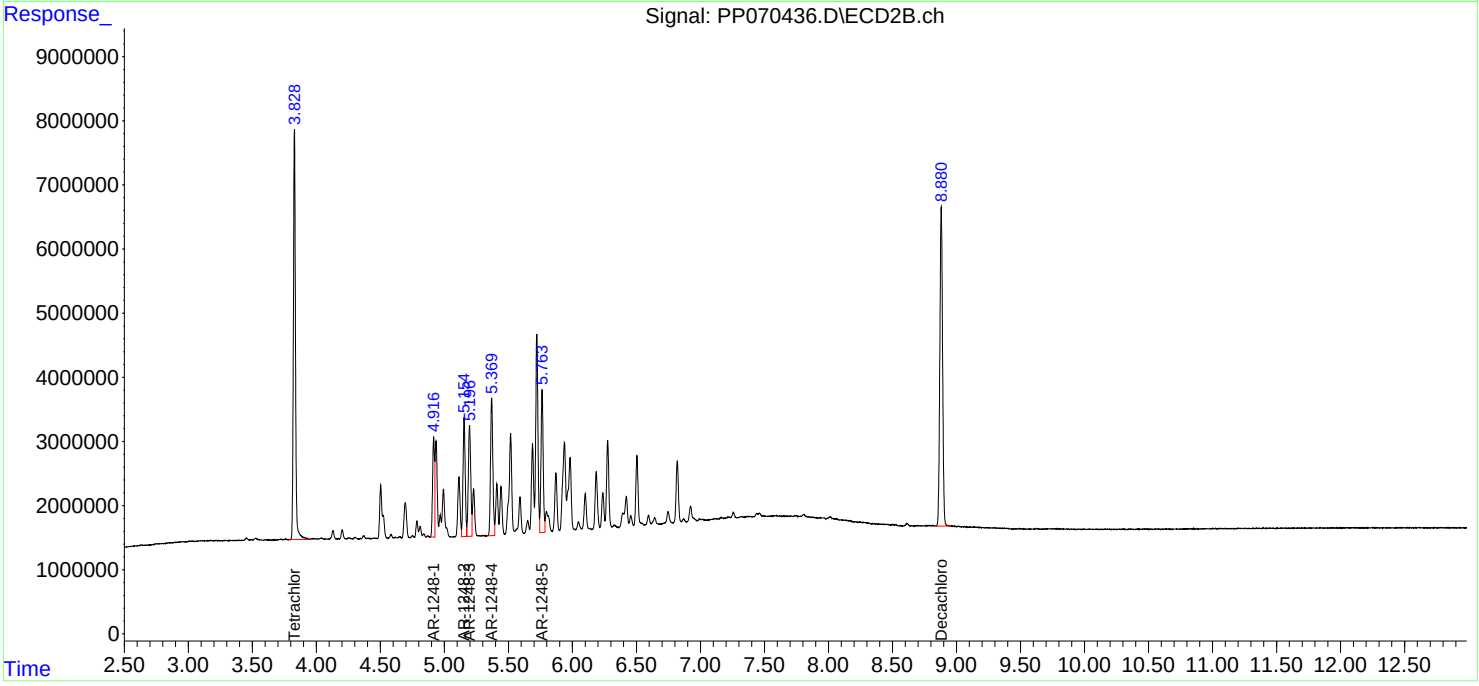
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 19:50
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 20 Sample Multiplier: 1

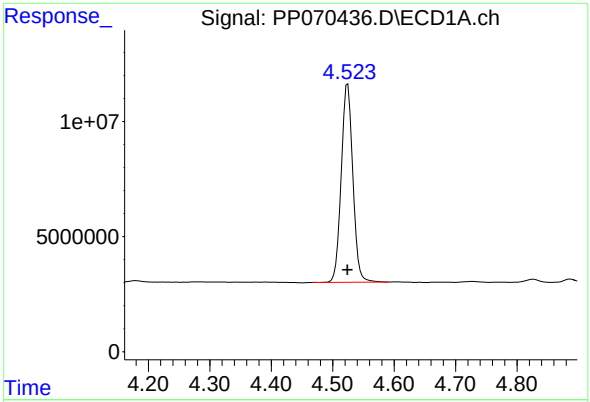
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



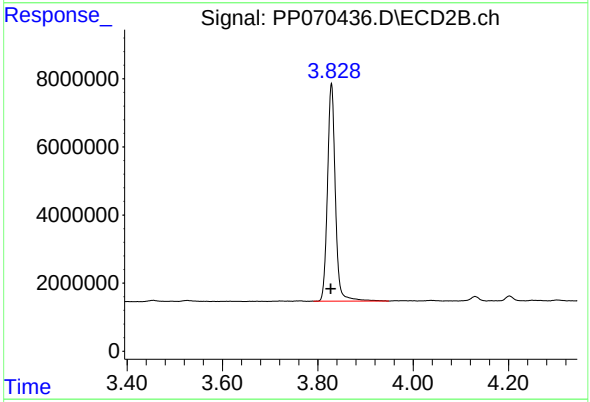






#1 Tetrachloro-m-xylene

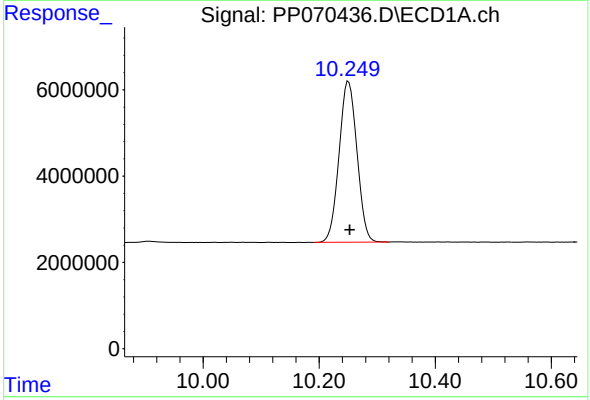
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 113216265
Conc: 71.07 ng/ml

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



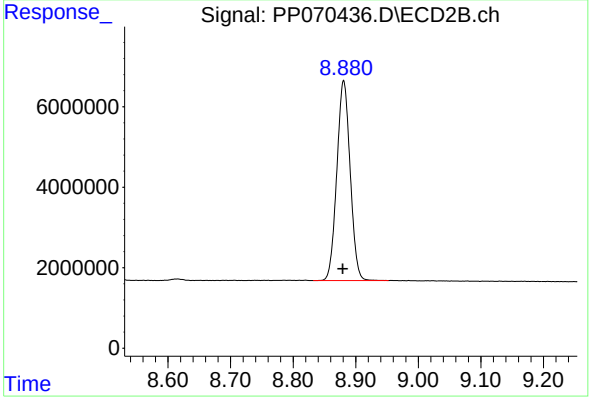

#1 Tetrachloro-m-xylene

R.T.: 3.829 min
Delta R.T.: 0.001 min
Response: 73390816
Conc: 71.13 ng/ml



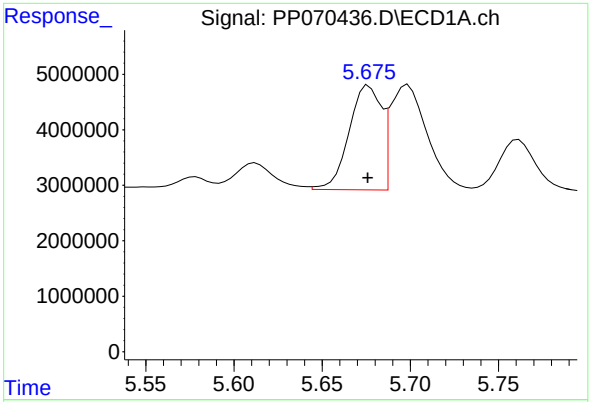

#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 79880946
Conc: 71.96 ng/ml




#2 Decachlorobiphenyl

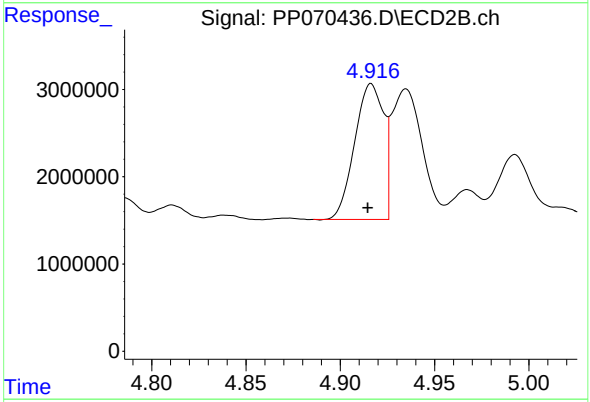
R.T.: 8.881 min
Delta R.T.: 0.001 min
Response: 73652526
Conc: 73.64 ng/ml




#21 AR-1248-1

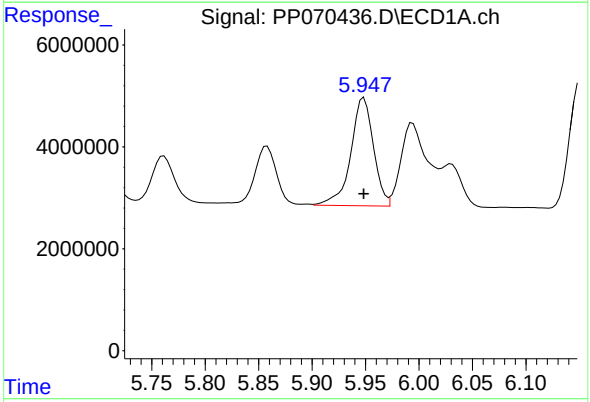
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 23877530
Conc: 694.69 ng/ml

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



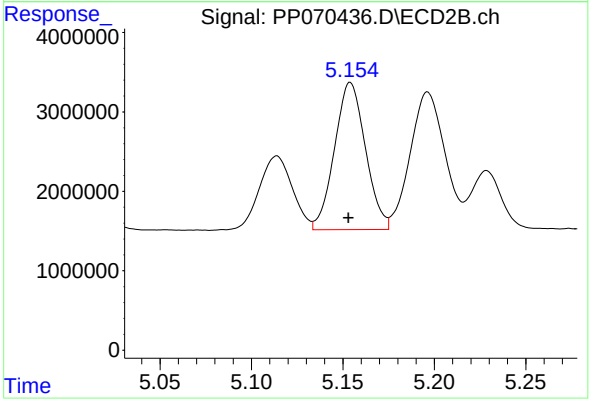

#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.002 min
Response: 16604955
Conc: 687.91 ng/ml



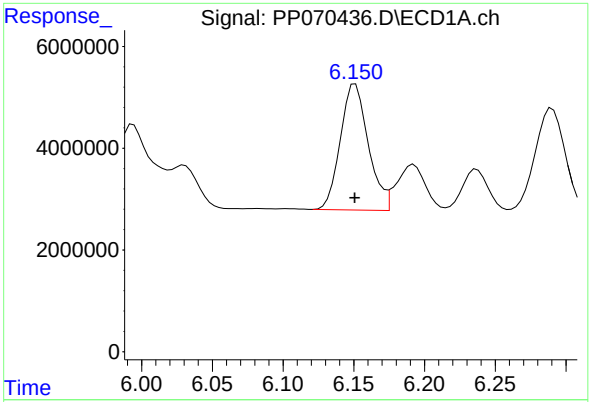

#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 31299442
Conc: 710.17 ng/ml




#22 AR-1248-2

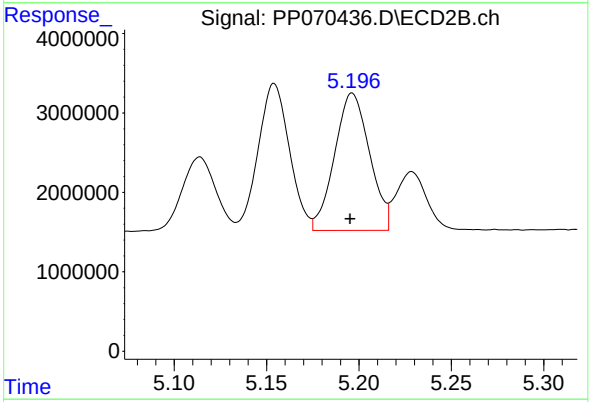
R.T.: 5.154 min
Delta R.T.: 0.001 min
Response: 21860304
Conc: 691.68 ng/ml




#23 AR-1248-3

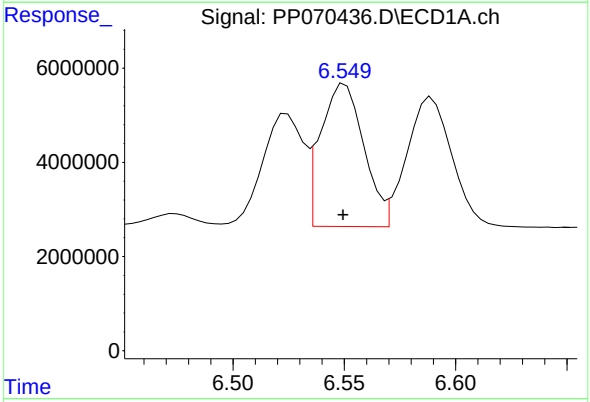
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 34151551
Conc: 722.44 ng/ml

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



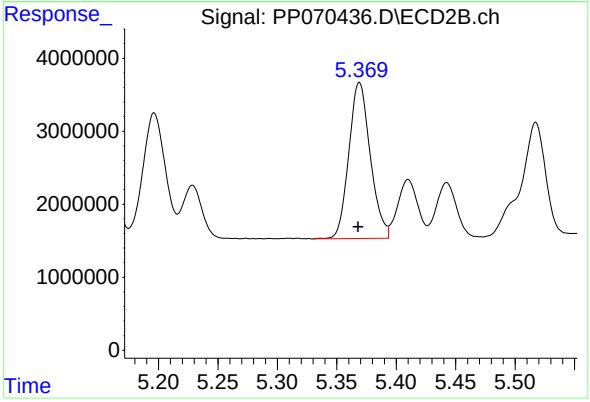

#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.001 min
Response: 22815999
Conc: 692.35 ng/ml



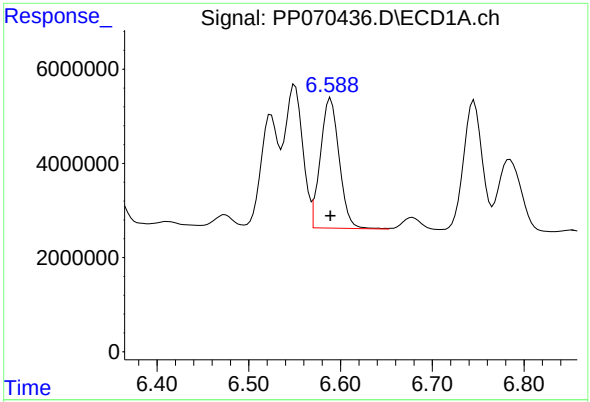

#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 41100725
Conc: 714.20 ng/ml




#24 AR-1248-4

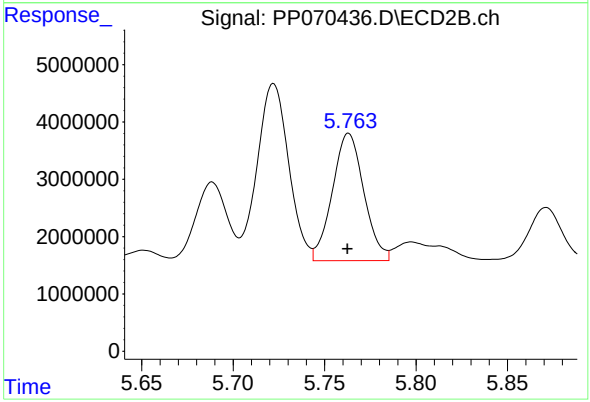
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 26820014
Conc: 697.69 ng/ml




#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 39169453
Conc: 721.63 ng/ml

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




#25 AR-1248-5

R.T.: 5.763 min
Delta R.T.: 0.000 min
Response: 26657299
Conc: 691.99 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
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: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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... | 4.524 | 3.828 | 79654020 | 51588428 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.252 | 8.879 | 55503319 | 50009409 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.676 | 4.915 | 17185780 | 12069051 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 5.948 | 5.153 | 22036493 | 15802407 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 6.151 | 5.195 | 23636389 | 16477236 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 6.550 | 5.368 | 28773776 | 19220672 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 6.589 | 5.762 | 27139688 | 19261400 | 500.000 | 500.000 |

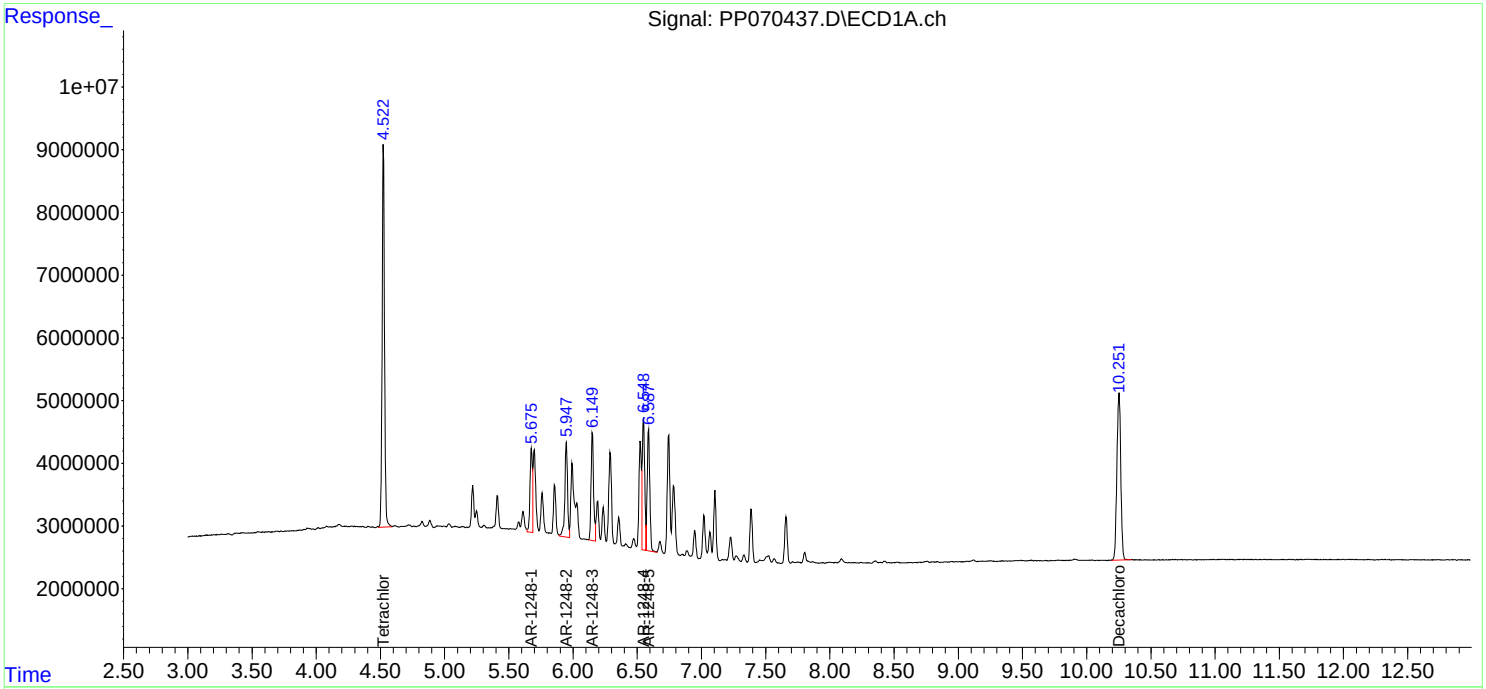
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

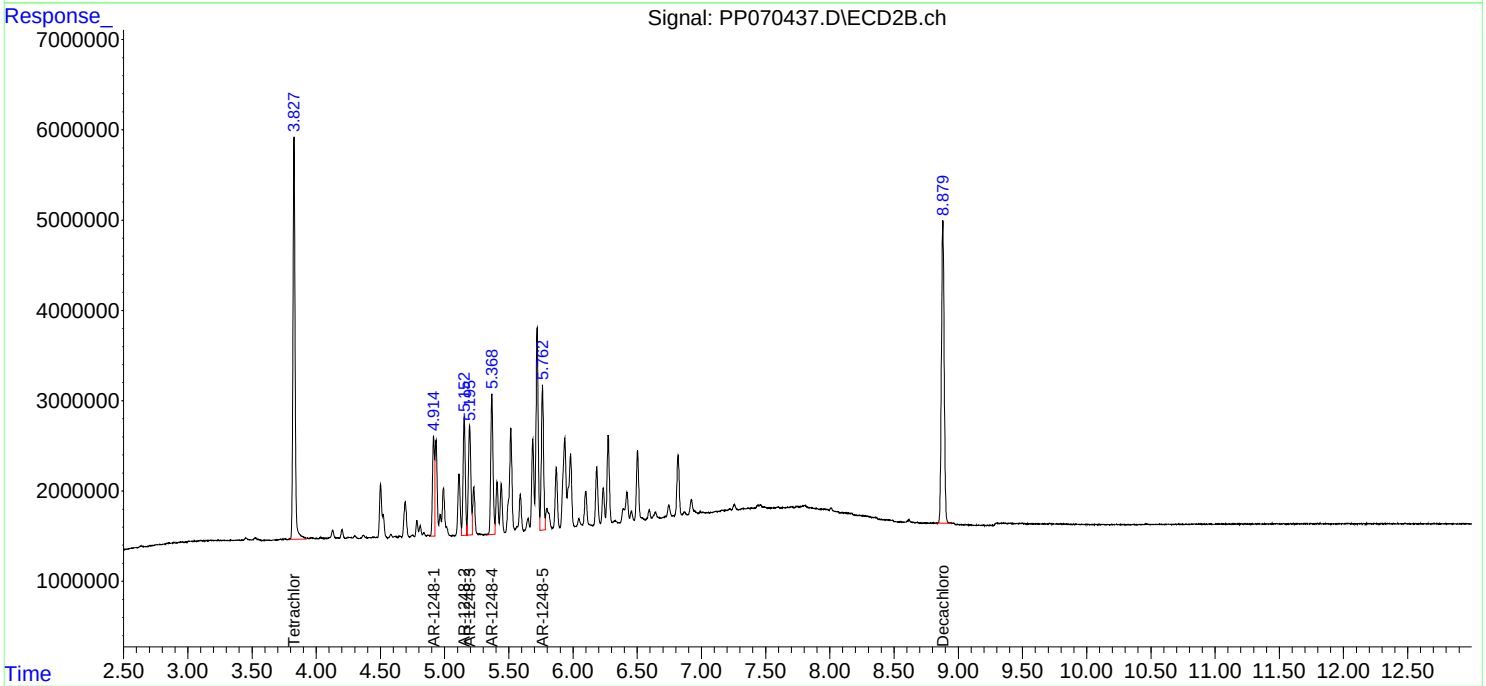
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:06
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 21 Sample Multiplier: 1

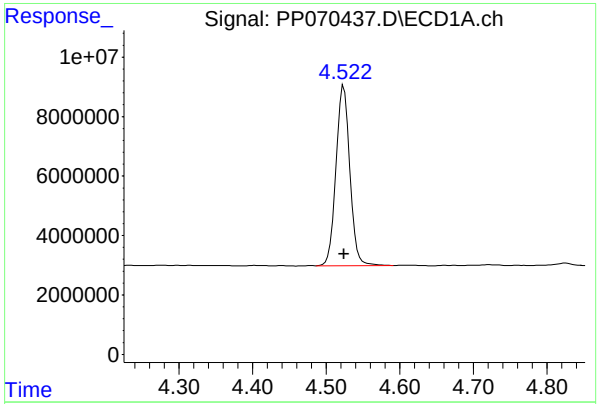
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:28:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



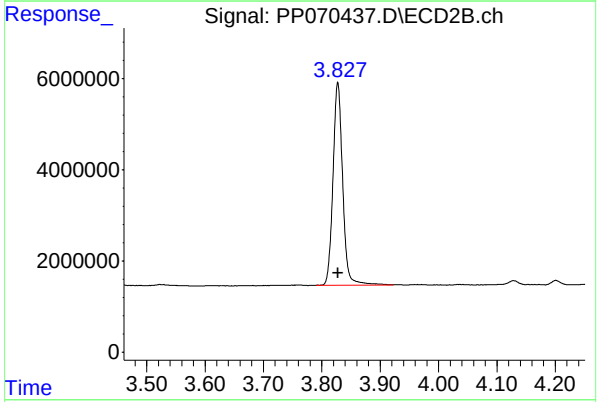






#1 Tetrachloro-m-xylene

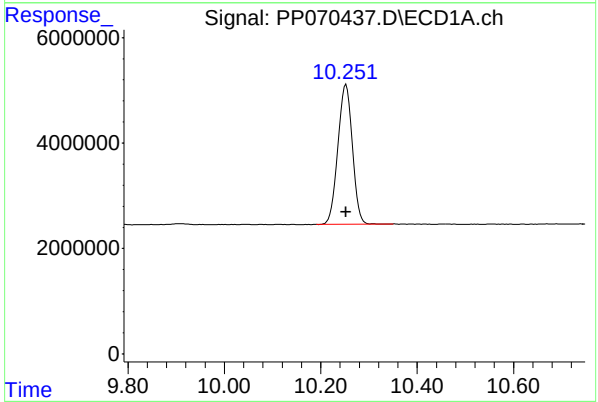
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79654020
Conc: 50.00 ng/ml

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



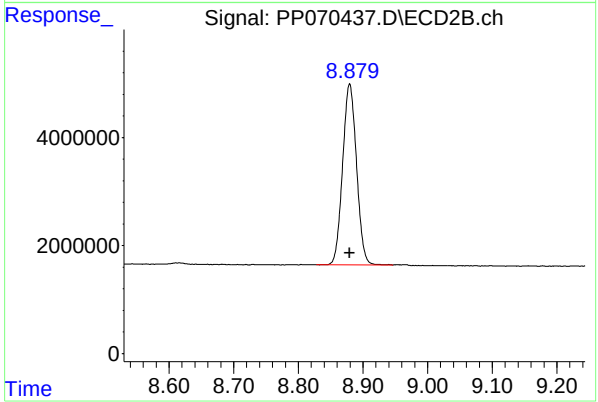

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51588428
Conc: 50.00 ng/ml



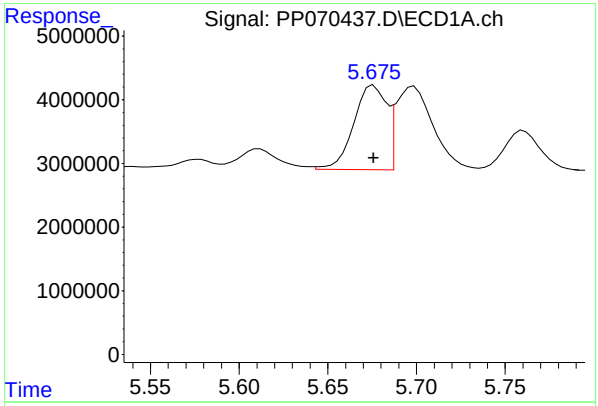

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 55503319
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

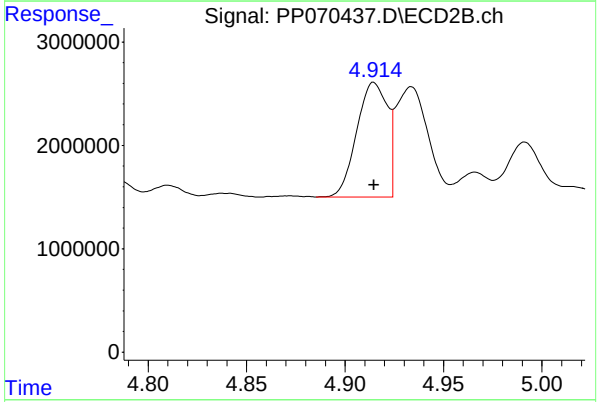
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 50009409
Conc: 50.00 ng/ml




#21 AR-1248-1

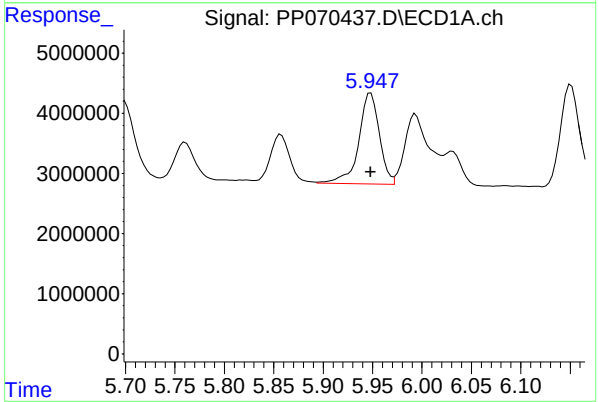
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 17185780
Conc: 500.00 ng/ml

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



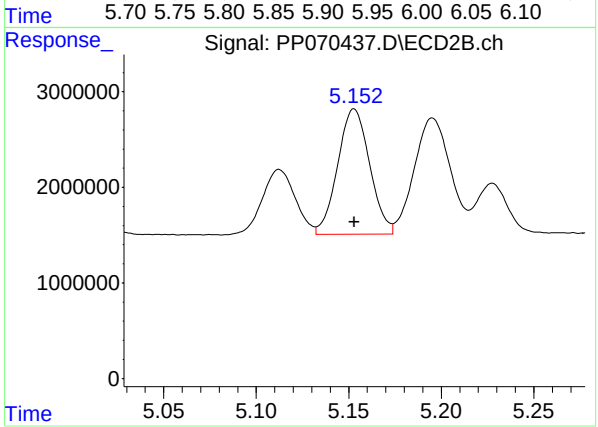

#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 12069051
Conc: 500.00 ng/ml



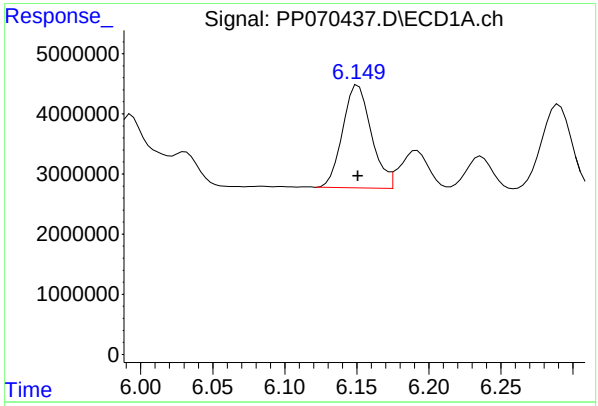

#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22036493
Conc: 500.00 ng/ml




#22 AR-1248-2

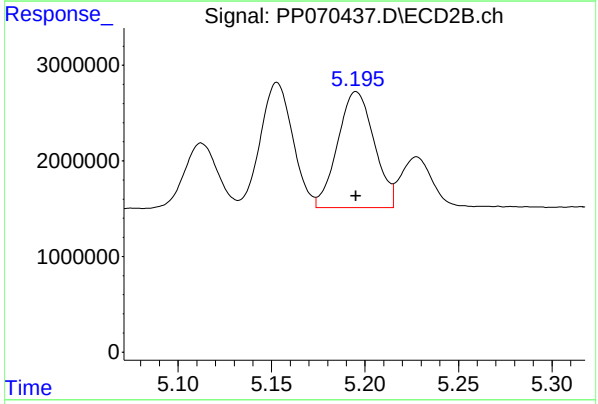
R.T.: 5.153 min
Delta R.T.: 0.000 min
Response: 15802407
Conc: 500.00 ng/ml




#23 AR-1248-3

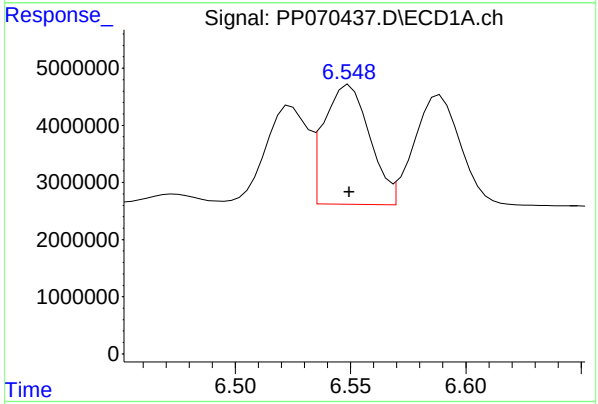
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 23636389
Conc: 500.00 ng/ml

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



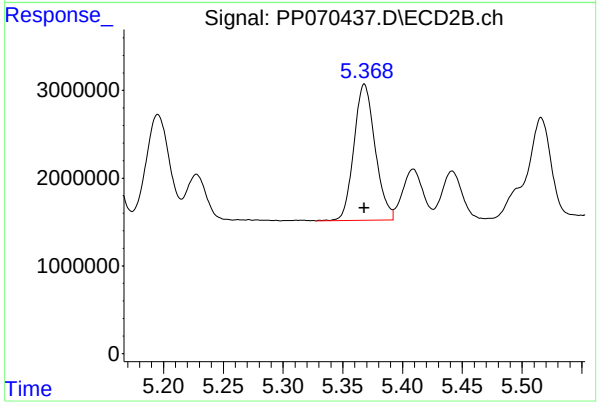

#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16477236
Conc: 500.00 ng/ml



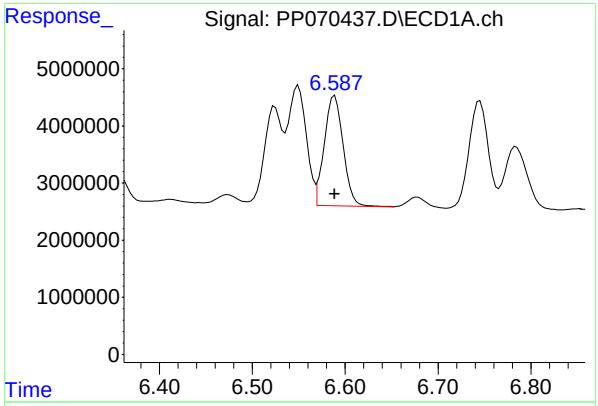

#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 28773776
Conc: 500.00 ng/ml




#24 AR-1248-4

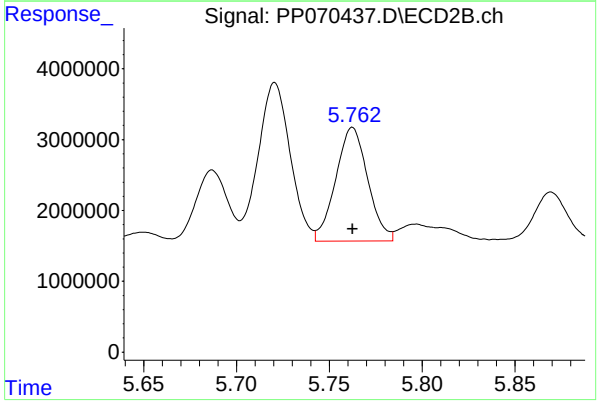
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19220672
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 27139688
Conc: 500.00 ng/ml

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




#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19261400
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
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: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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... | 4.524 | 3.828 | 41374738 | 26771120 | 25.972 | 25.947 |
| 2) | SA Decachlor... | 10.251 | 8.880 | 29104206 | 26702465 | 26.218 | 26.697 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.676 | 4.915 | 9469927 | 6320408 | 275.516 | 261.844 |
| 22) | L5 AR-1248-2 | 5.948 | 5.154 | 11796932 | 8326683 | 267.668 | 263.462 |
| 23) | L5 AR-1248-3 | 6.151 | 5.196 | 12207368 | 8590669 | 258.233 | 260.683 |
| 24) | L5 AR-1248-4 | 6.550 | 5.369 | 15337045 | 10215741 | 266.511 | 265.749 |
| 25) | L5 AR-1248-5 | 6.589 | 5.762 | 14358955 | 10127337 | 264.538 | 262.892 |

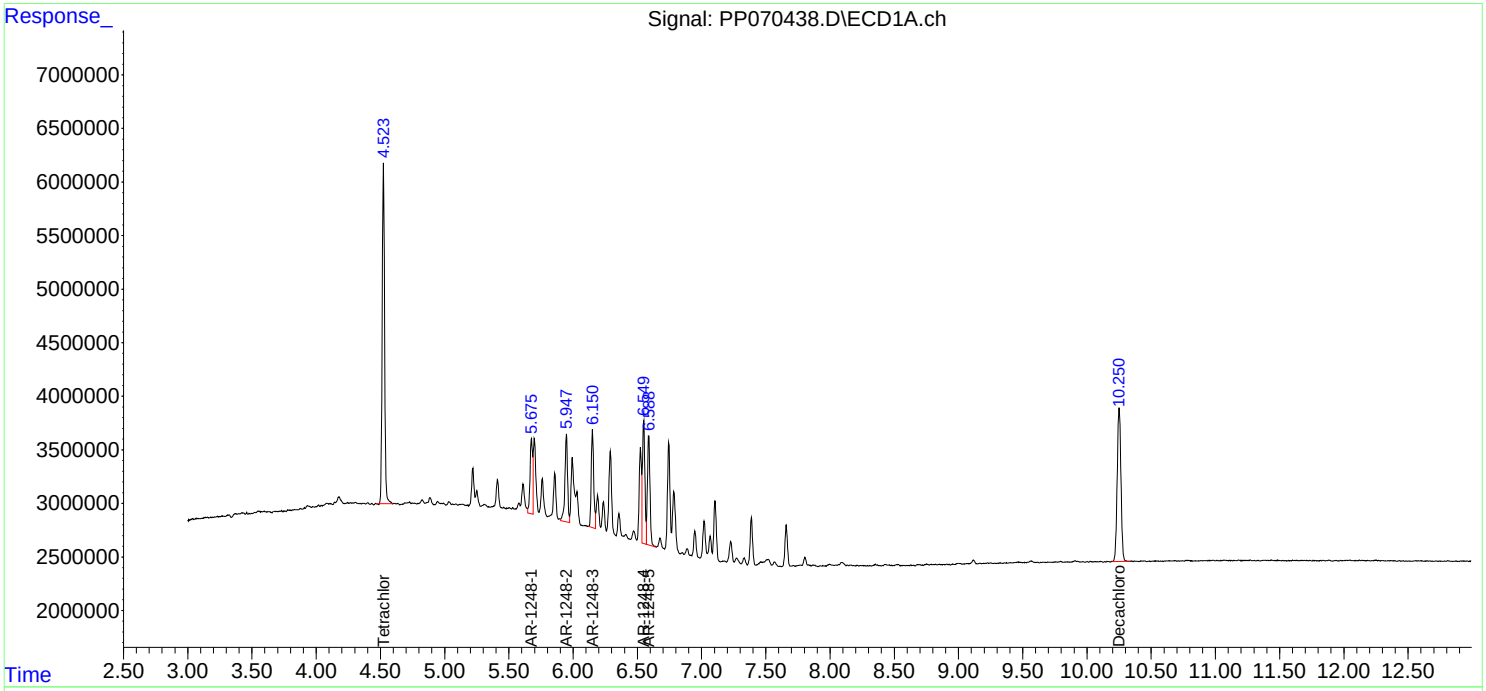
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

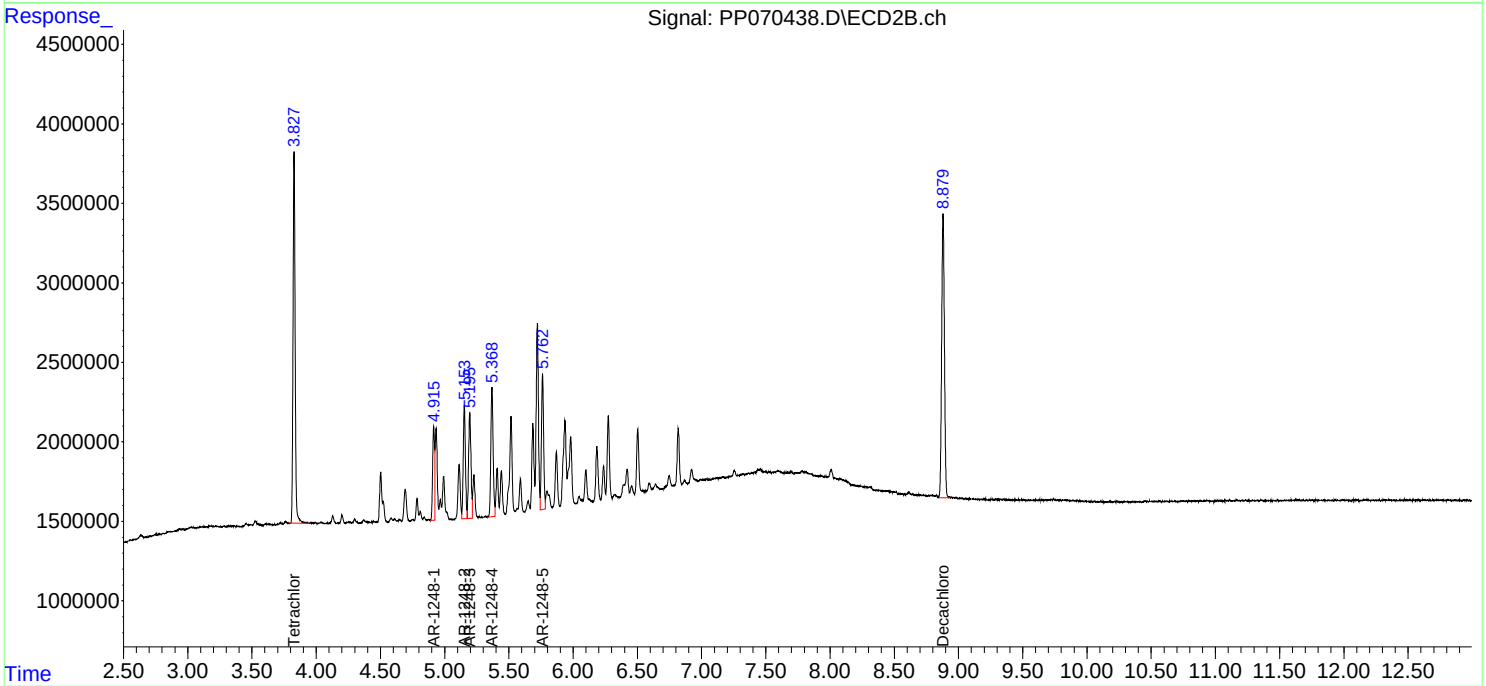
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:22
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 22 Sample Multiplier: 1

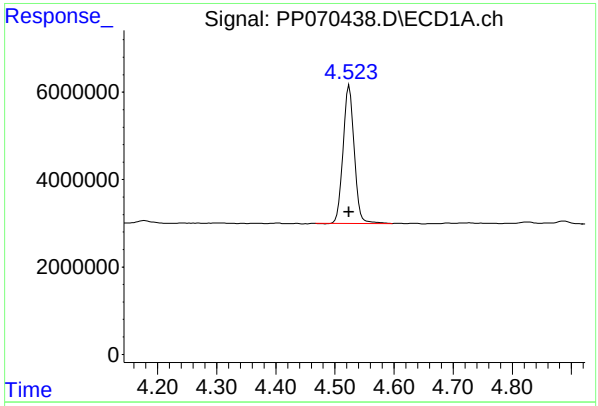
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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



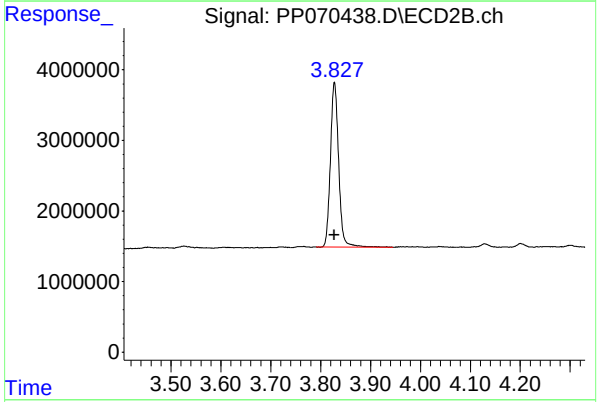






#1 Tetrachloro-m-xylene

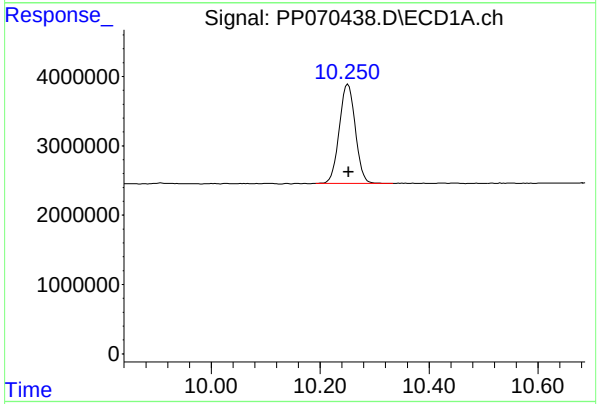
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 41374738
Conc: 25.97 ng/ml

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



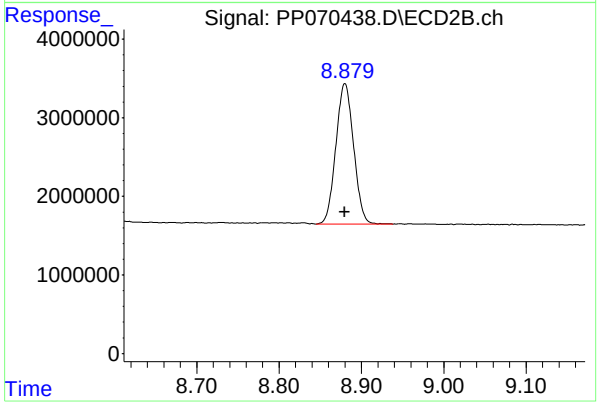

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 26771120
Conc: 25.95 ng/ml



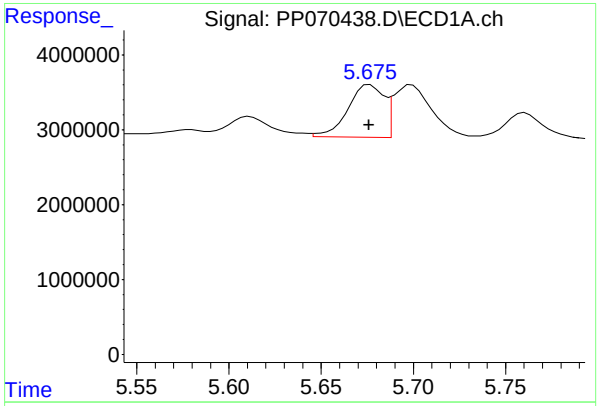

#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.001 min
Response: 29104206
Conc: 26.22 ng/ml




#2 Decachlorobiphenyl

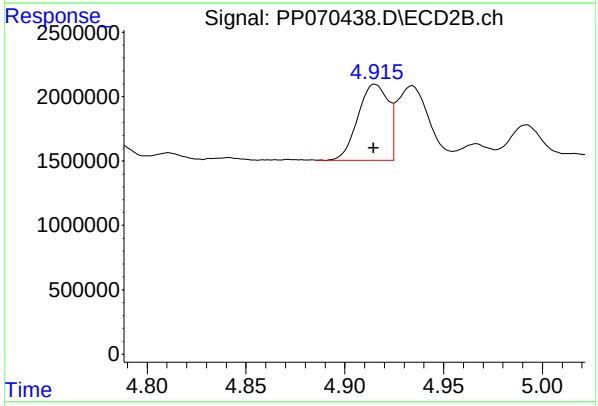
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 26702465
Conc: 26.70 ng/ml




#21 AR-1248-1

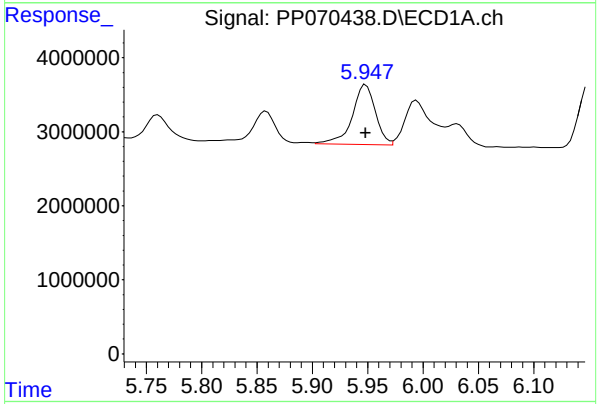
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 9469927
Conc: 275.52 ng/ml

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



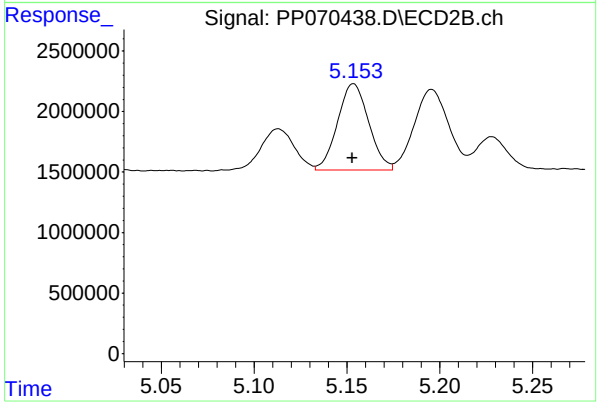

#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 6320408
Conc: 261.84 ng/ml



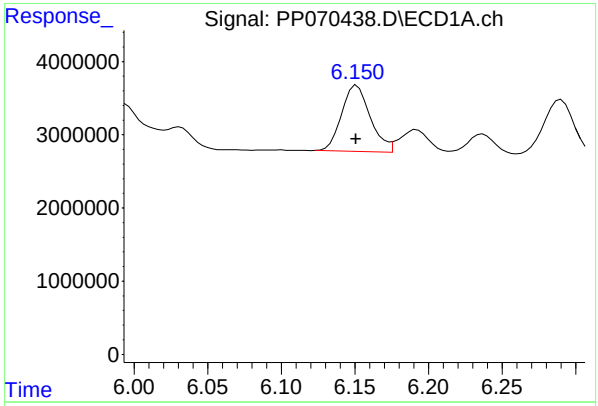

#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 11796932
Conc: 267.67 ng/ml




#22 AR-1248-2

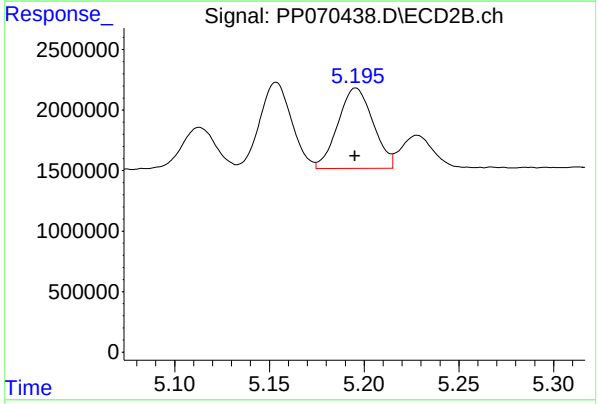
R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 8326683
Conc: 263.46 ng/ml




#23 AR-1248-3

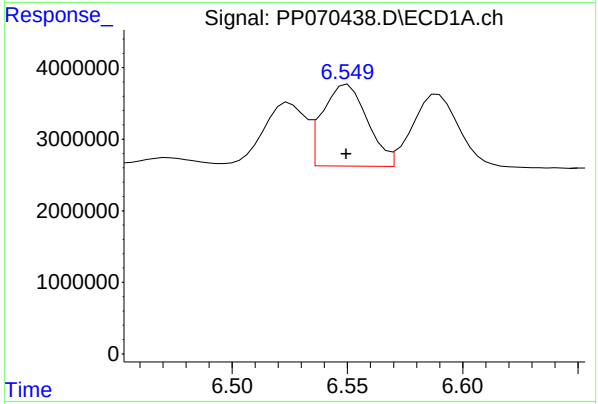
R.T.: 6.151 min
Delta R.T.: 0.000 min
Response: 12207368
Conc: 258.23 ng/ml

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



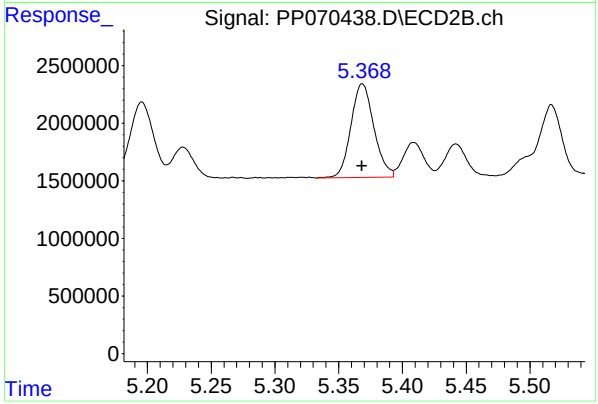

#23 AR-1248-3

R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 8590669
Conc: 260.68 ng/ml



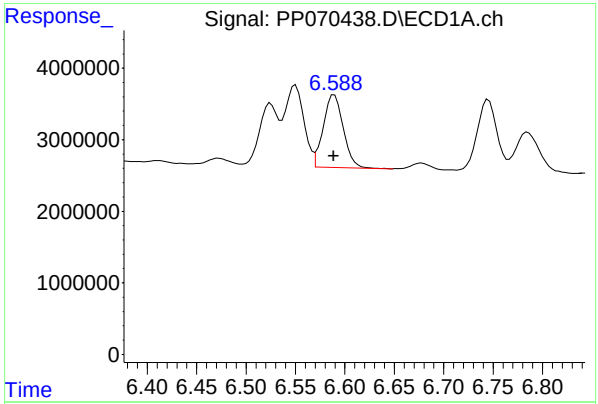

#24 AR-1248-4

R.T.: 6.550 min
Delta R.T.: 0.000 min
Response: 15337045
Conc: 266.51 ng/ml




#24 AR-1248-4

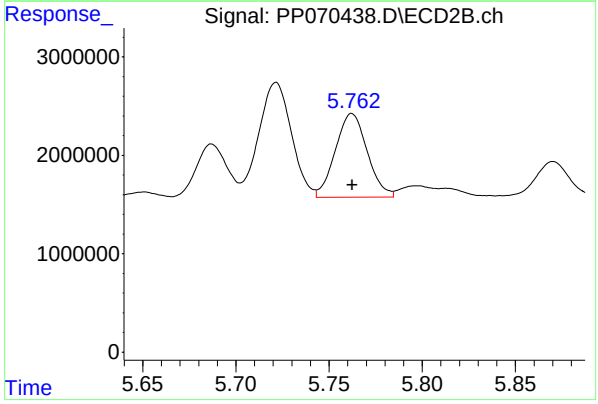
R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 10215741
Conc: 265.75 ng/ml




#25 AR-1248-5

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 14358955
Conc: 264.54 ng/ml

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




#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 10127337
Conc: 262.89 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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... | 4.524 | 3.828 | 8186392 | 5340424 | 5.139 | 5.176 |
| 2) | SA Decachlor... | 10.252 | 8.879 | 5222131 | 5077972 | 4.704 | 5.077 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.675 | 4.916 | 1822515 | 1195056 | 53.024m | 49.509 |
| 22) | L5 AR-1248-2 | 5.946 | 5.154 | 1970177 | 1715212 | 44.703m | 54.271 |
| 23) | L5 AR-1248-3 | 6.152 | 5.195 | 2271691 | 1567360 | 48.055 | 47.561 |
| 24) | L5 AR-1248-4 | 6.551 | 5.368 | 3179324 | 2241362 | 55.247 | 58.306 |
| 25) | L5 AR-1248-5 | 6.588 | 5.762 | 2749990 | 2082066 | 50.664 | 54.048 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:39
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 23 Sample Multiplier: 1

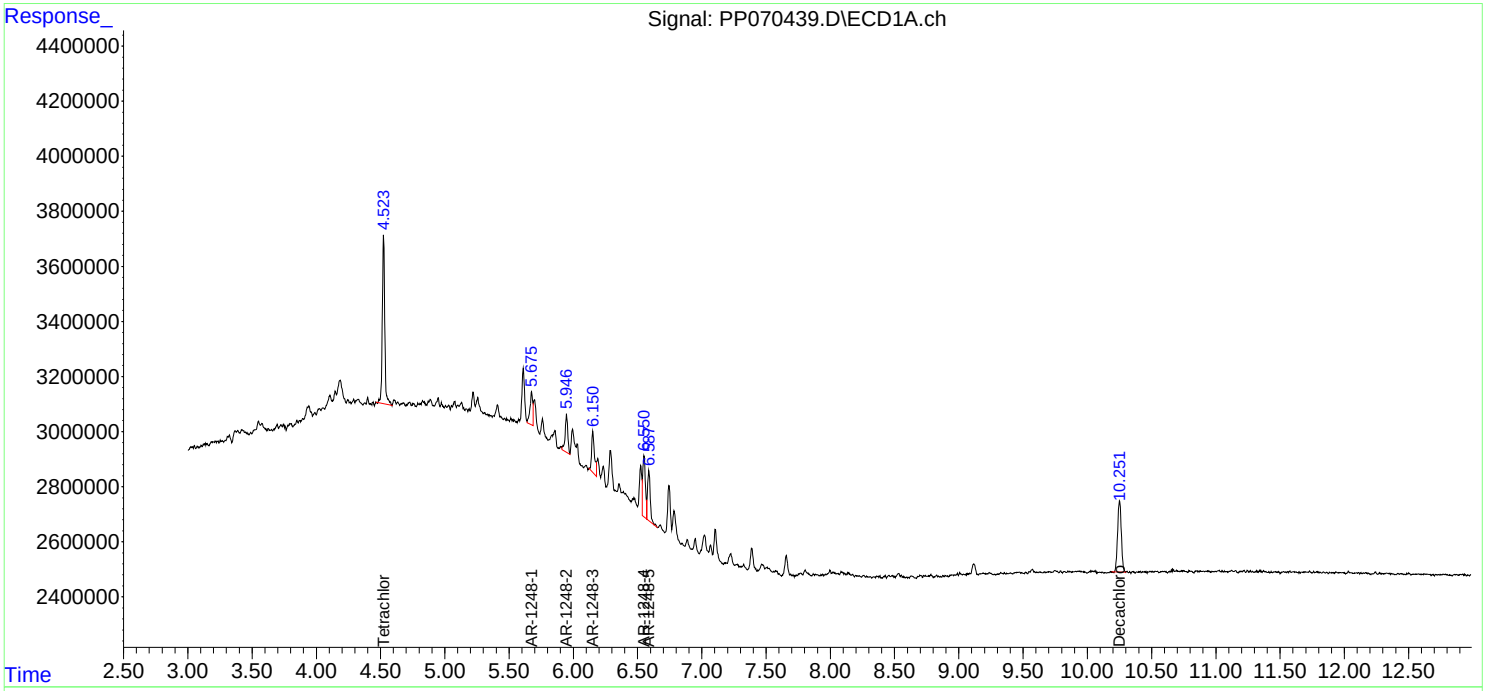
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

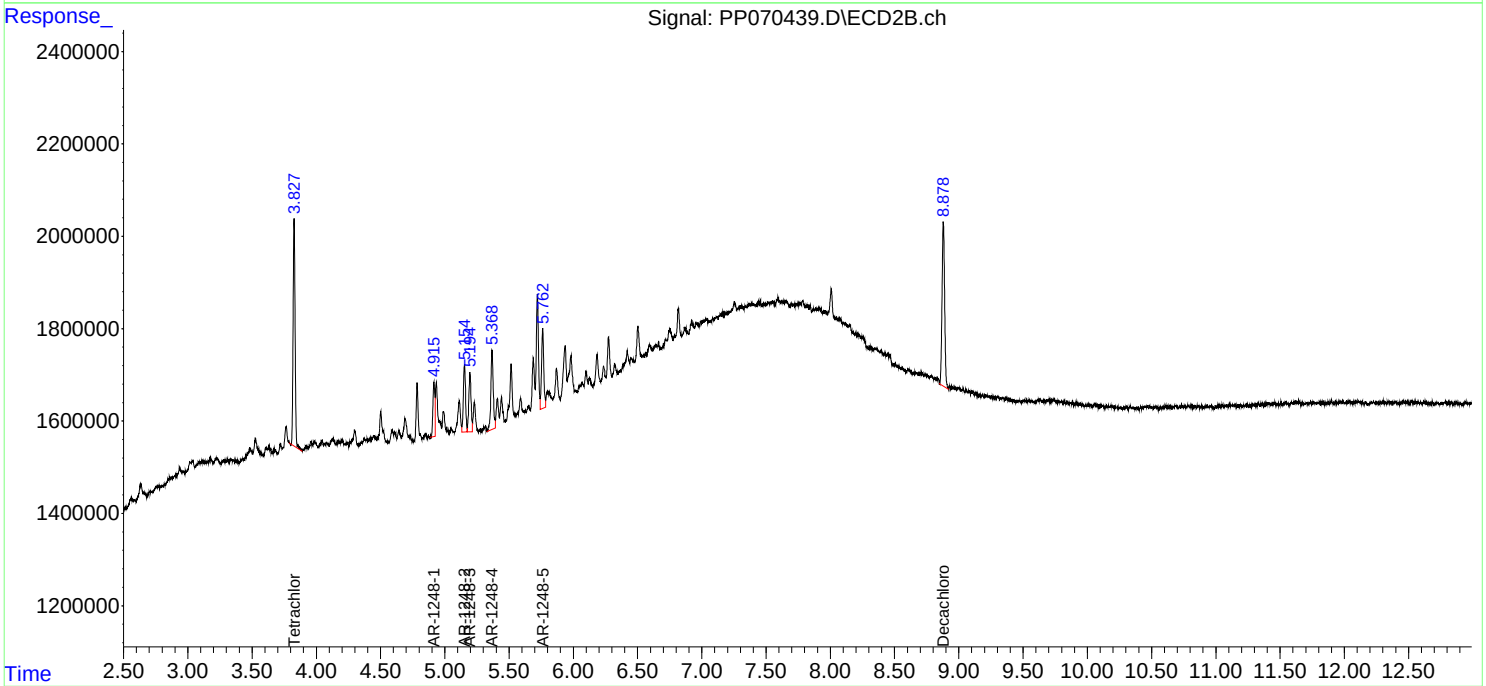
**Manual Integrations APPROVED**

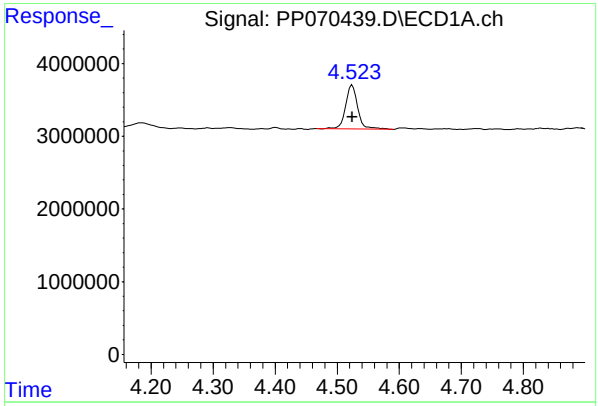
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:29:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:27:44 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





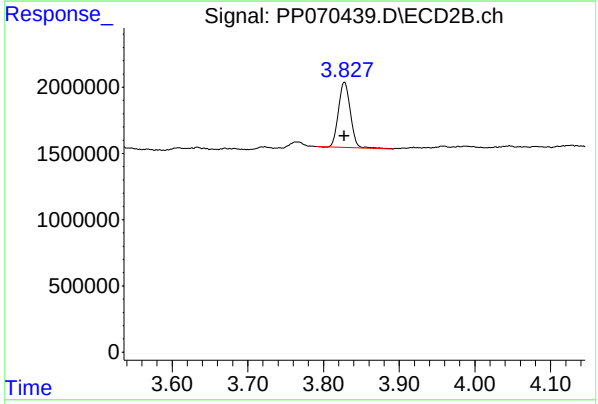

#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 8186392
Conc: 5.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

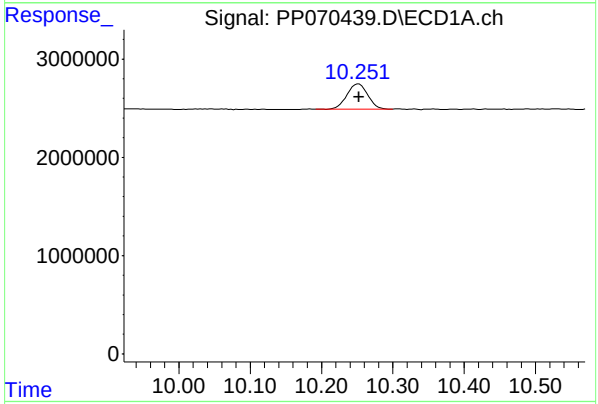
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



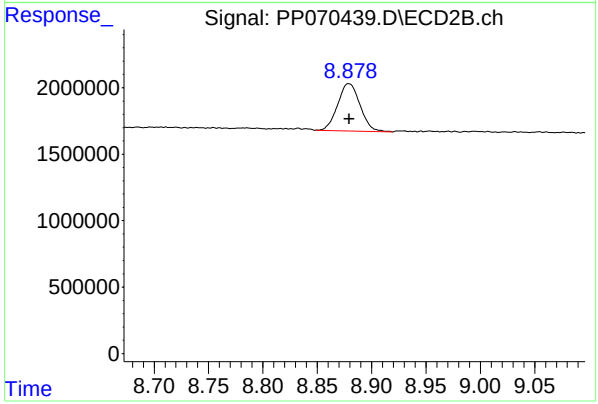

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5340424
Conc: 5.18 ng/ml



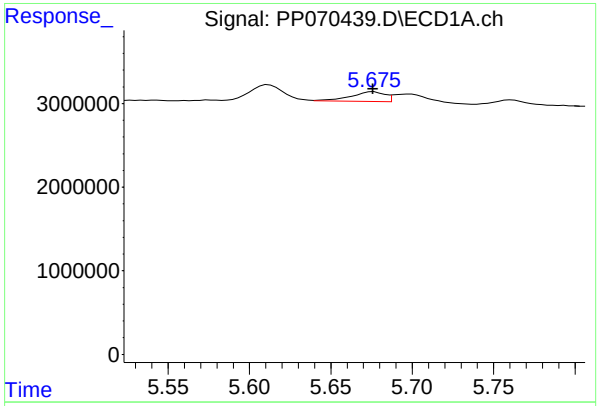

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 5222131
Conc: 4.70 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5077972
Conc: 5.08 ng/ml



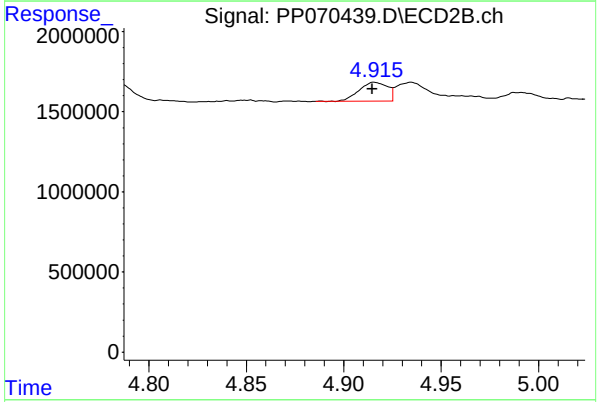

#21 AR-1248-1

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 1822515
Conc: 53.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

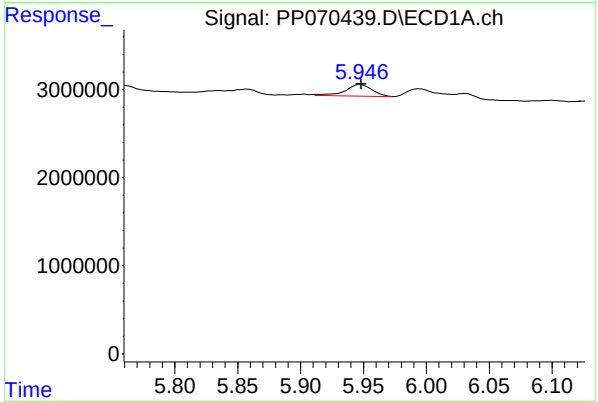
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



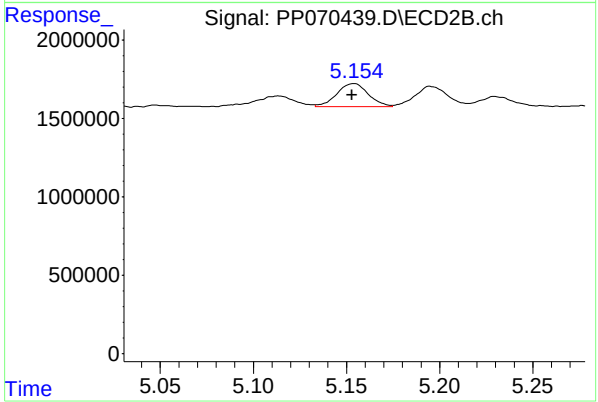

#21 AR-1248-1

R.T.: 4.916 min
Delta R.T.: 0.001 min
Response: 1195056
Conc: 49.51 ng/ml



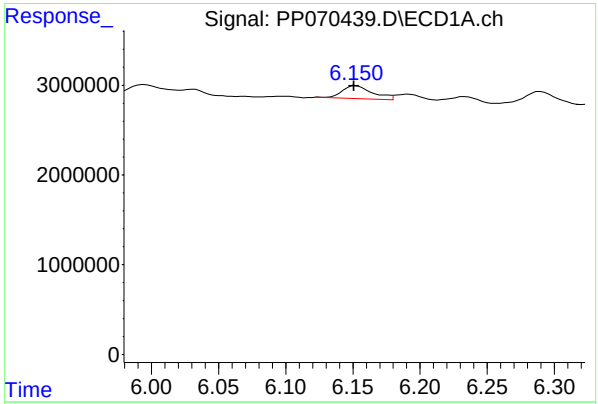

#22 AR-1248-2

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 1970177
Conc: 44.70 ng/ml m




#22 AR-1248-2

R.T.: 5.154 min
Delta R.T.: 0.000 min
Response: 1715212
Conc: 54.27 ng/ml



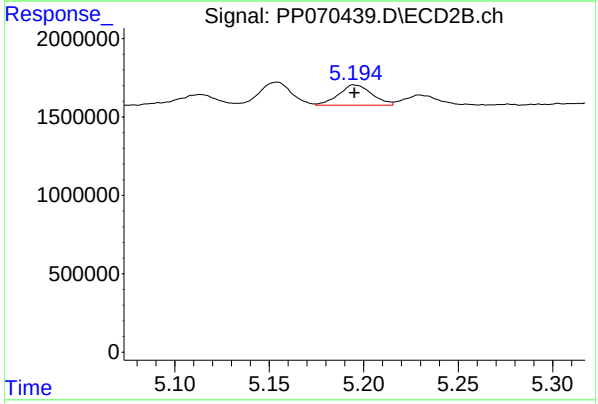

#23 AR-1248-3

R.T.: 6.152 min
Delta R.T.: 0.001 min
Response: 2271691
Conc: 48.05 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

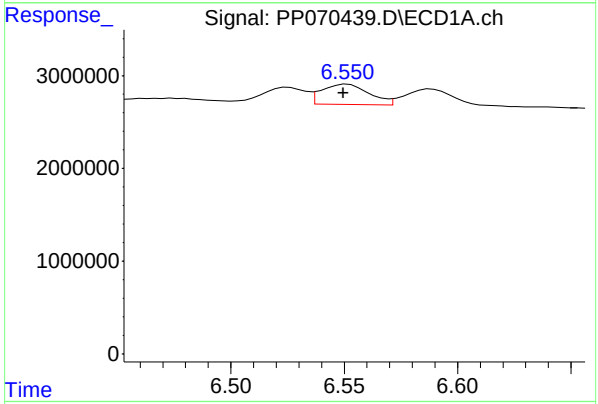
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



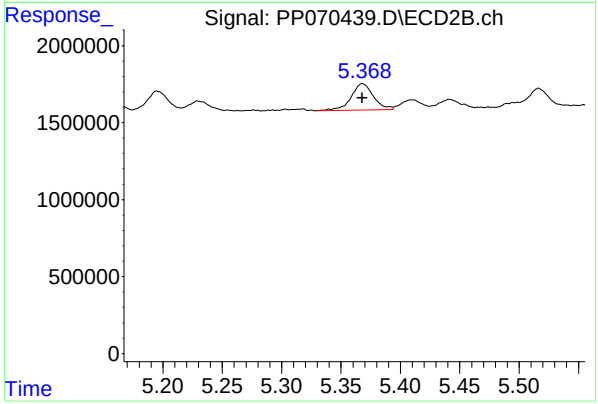

#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 1567360
Conc: 47.56 ng/ml



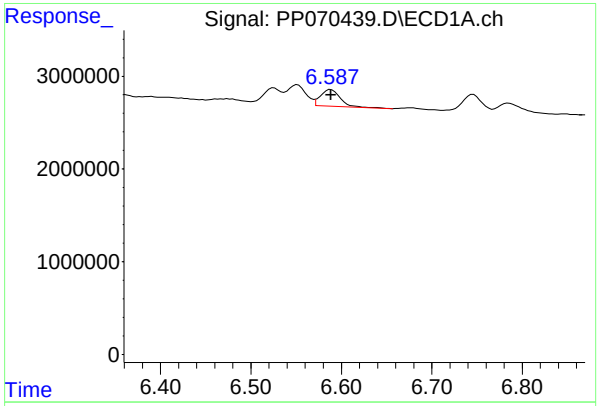

#24 AR-1248-4

R.T.: 6.551 min
Delta R.T.: 0.002 min
Response: 3179324
Conc: 55.25 ng/ml




#24 AR-1248-4

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 2241362
Conc: 58.31 ng/ml



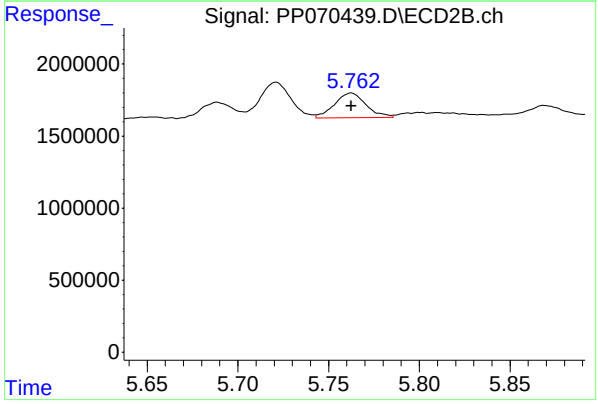

#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 2749990
Conc: 50.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025




#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 2082066
Conc: 54.05 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
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: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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... | 4.525 | 3.828 | 149.1E6 | 96720518 | 93.390 | 94.825 |
| 2) | SA Decachlor... | 10.251 | 8.879 | 105.2E6 | 96618792 | 92.933 | 88.886 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.527 | 5.722 | 52191144 | 49741488 | 893.548 | 880.090 |
| 27) | L6 AR-1254-2 | 6.743 | 5.870 | 76163232 | 43195538 | 909.453 | 890.167 |
| 28) | L6 AR-1254-3 | 7.106 | 6.275 | 78867294 | 69004581 | 913.417 | 911.168 |
| 29) | L6 AR-1254-4 | 7.389 | 6.503 | 65665428 | 48529875 | 916.687 | 908.500 |
| 30) | L6 AR-1254-5 | 7.806 | 6.922 | 65604720 | 63254548 | 923.372 | 917.897 |

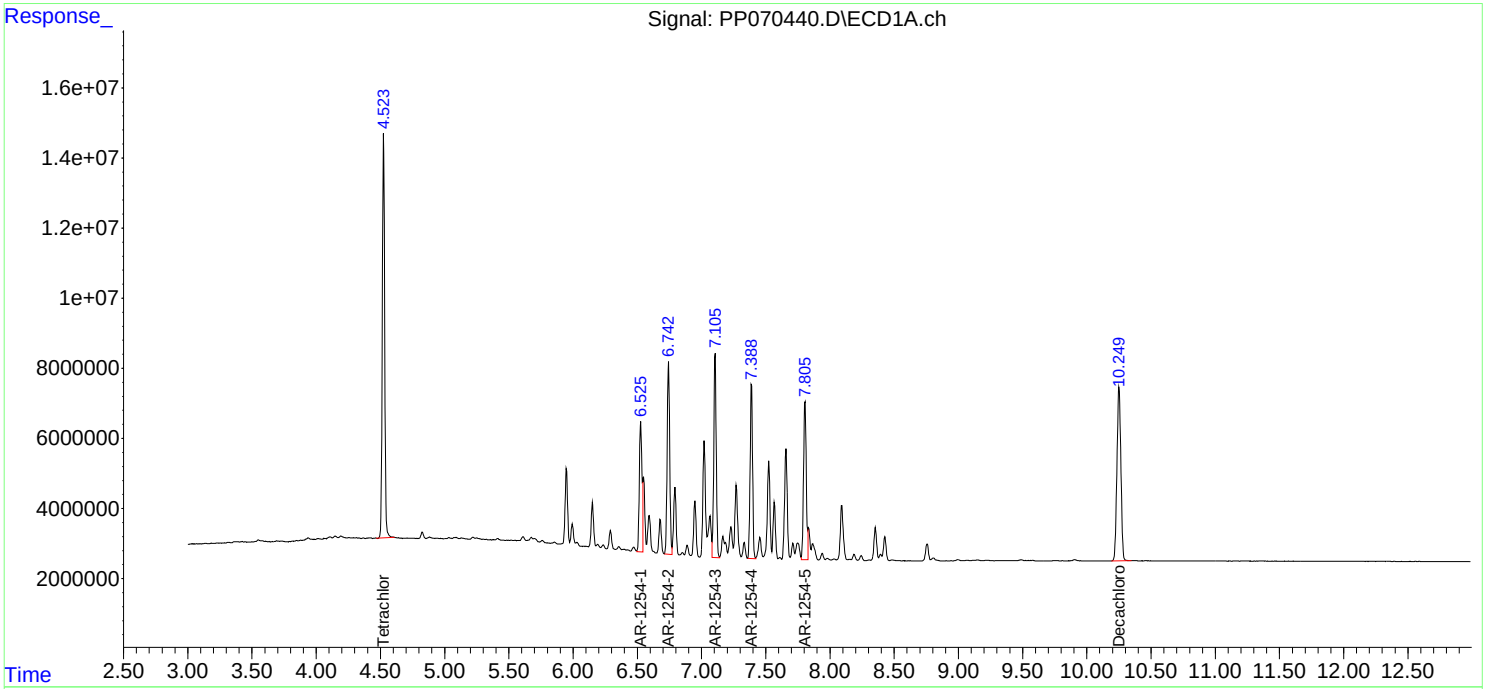
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

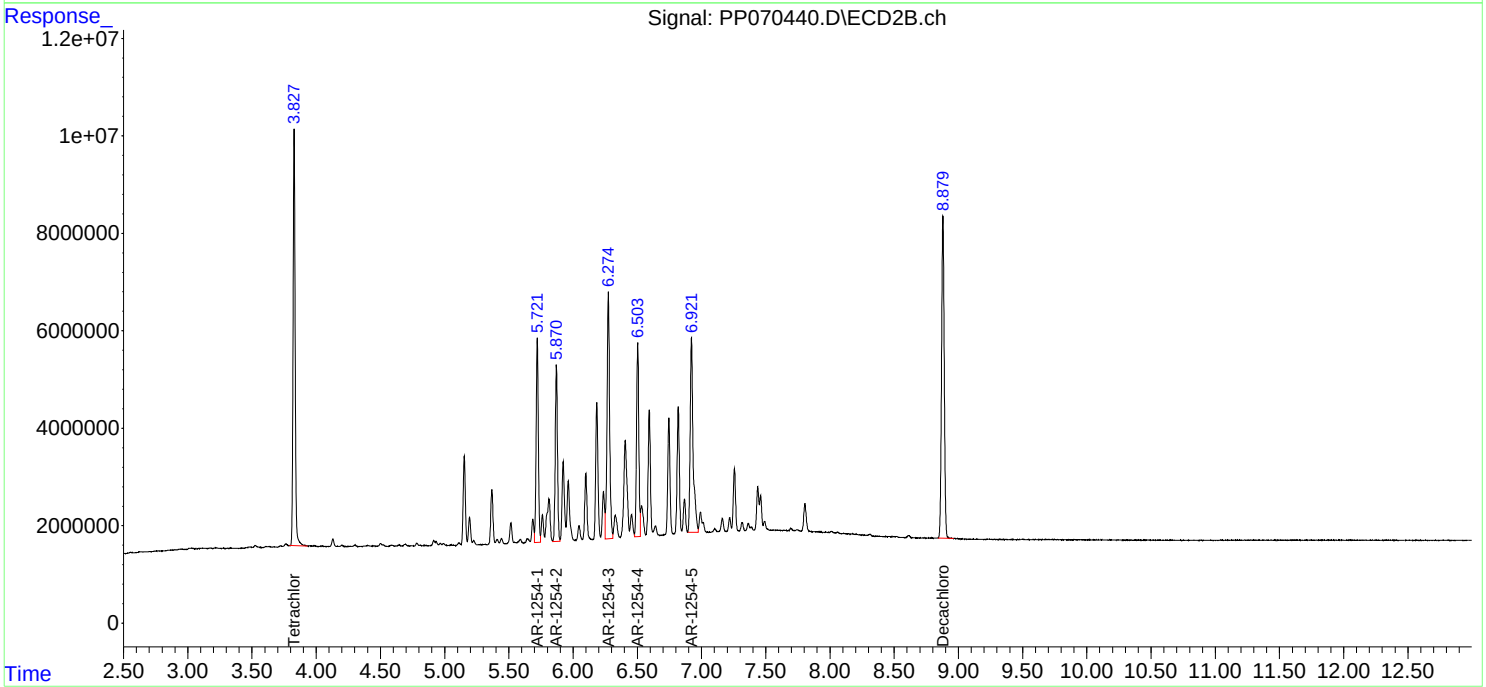
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 20:55
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 24 Sample Multiplier: 1

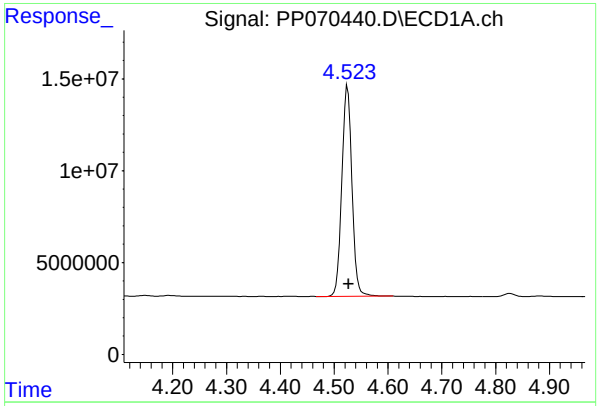
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



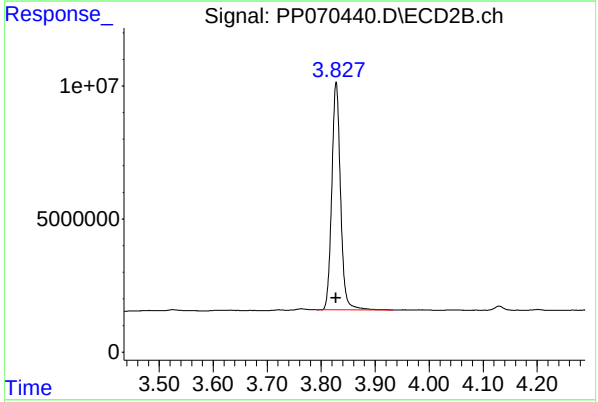






#1 Tetrachloro-m-xylene

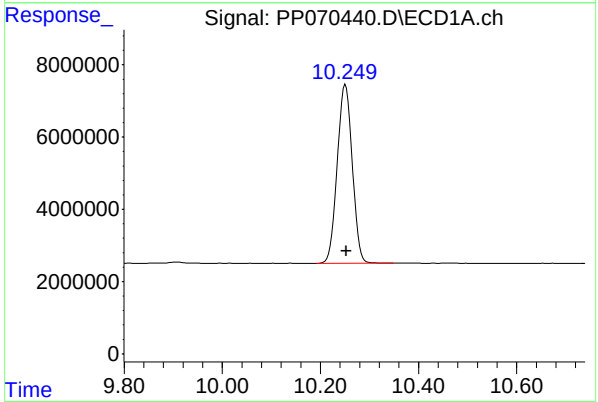
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 149140108
Conc: 93.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



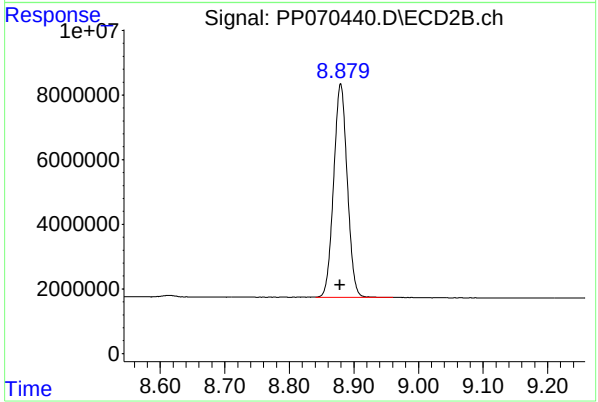

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 96720518
Conc: 94.83 ng/ml



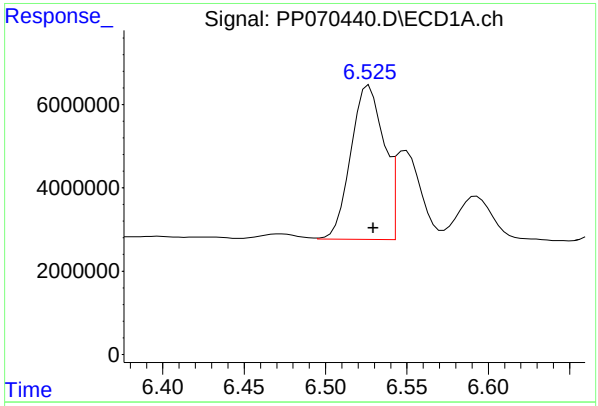

#2 Decachlorobiphenyl

R.T.: 10.251 min
Delta R.T.: -0.002 min
Response: 105177464
Conc: 92.93 ng/ml




#2 Decachlorobiphenyl

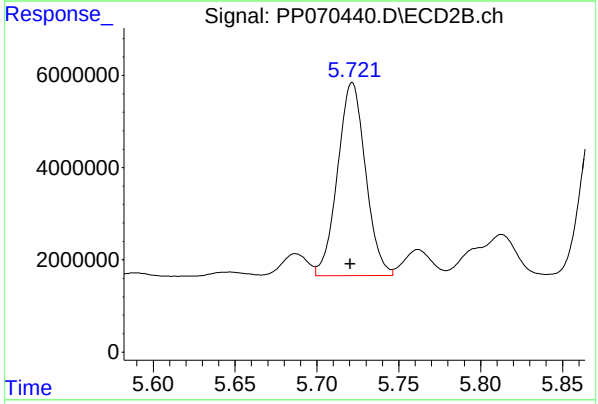
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 96618792
Conc: 88.89 ng/ml




#26 AR-1254-1

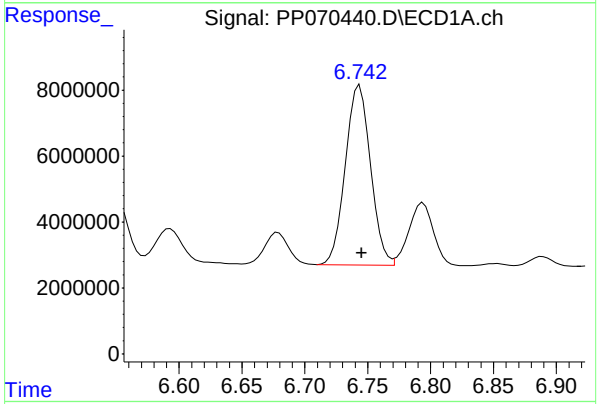
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 52191144
Conc: 893.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



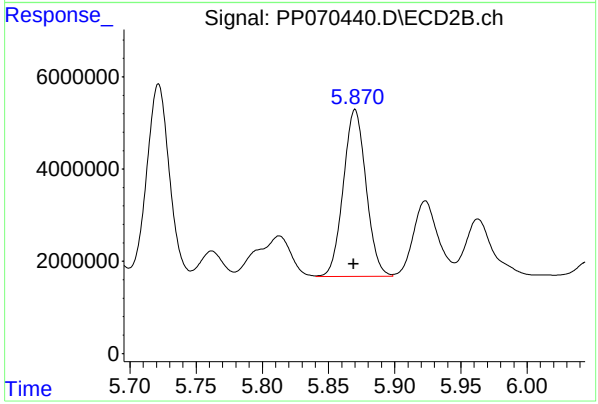

#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 49741488
Conc: 880.09 ng/ml



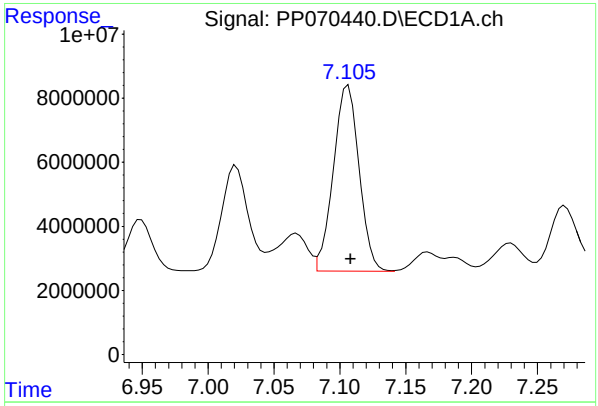

#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 76163232
Conc: 909.45 ng/ml




#27 AR-1254-2

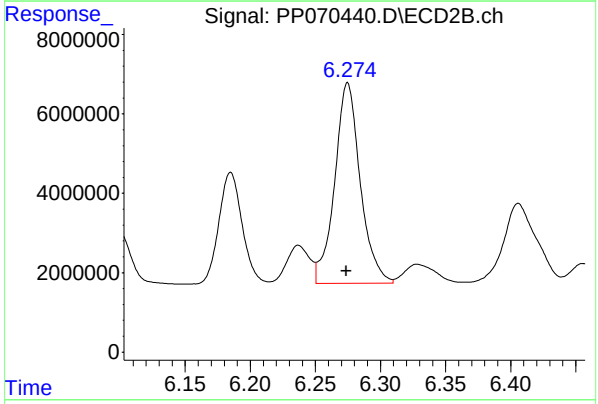
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 43195538
Conc: 890.17 ng/ml




#28 AR-1254-3

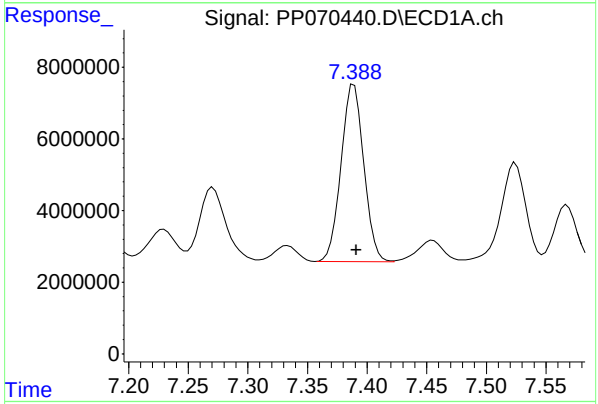
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 78867294
Conc: 913.42 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



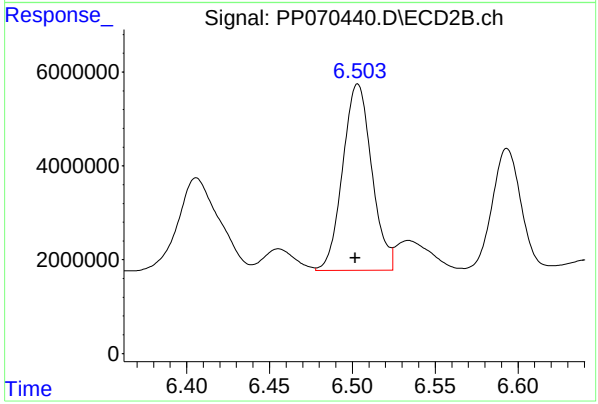

#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 69004581
Conc: 911.17 ng/ml



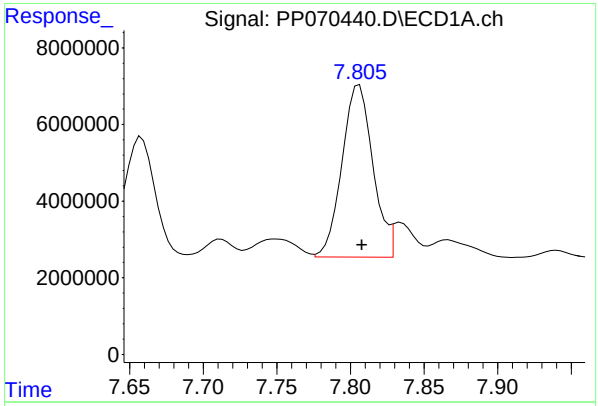

#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 65665428
Conc: 916.69 ng/ml




#29 AR-1254-4

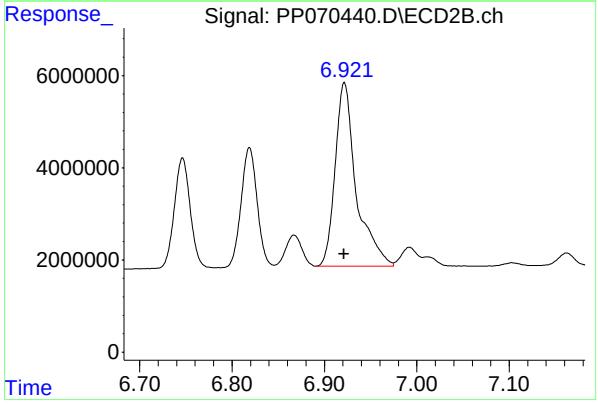
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 48529875
Conc: 908.50 ng/ml




#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 min
Response: 65604720
Conc: 923.37 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000




#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 63254548
Conc: 917.90 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
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: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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... | 4.524 | 3.828 | 116.1E6 | 73807381 | 72.699 | 72.361 |
| 2) | SA Decachlor... | 10.250 | 8.879 | 81355197 | 73665971 | 71.884 | 67.770 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.526 | 5.722 | 41082518 | 39812295 | 703.361 | 704.410 |
| 27) | L6 AR-1254-2 | 6.743 | 5.870 | 59469212 | 34485922 | 710.112 | 710.681 |
| 28) | L6 AR-1254-3 | 7.106 | 6.275 | 60993256 | 54135888 | 706.405 | 714.835 |
| 29) | L6 AR-1254-4 | 7.388 | 6.503 | 51027528 | 38224583 | 712.343 | 715.580 |
| 30) | L6 AR-1254-5 | 7.806 | 6.922 | 50892047 | 48947585 | 716.295 | 710.286 |

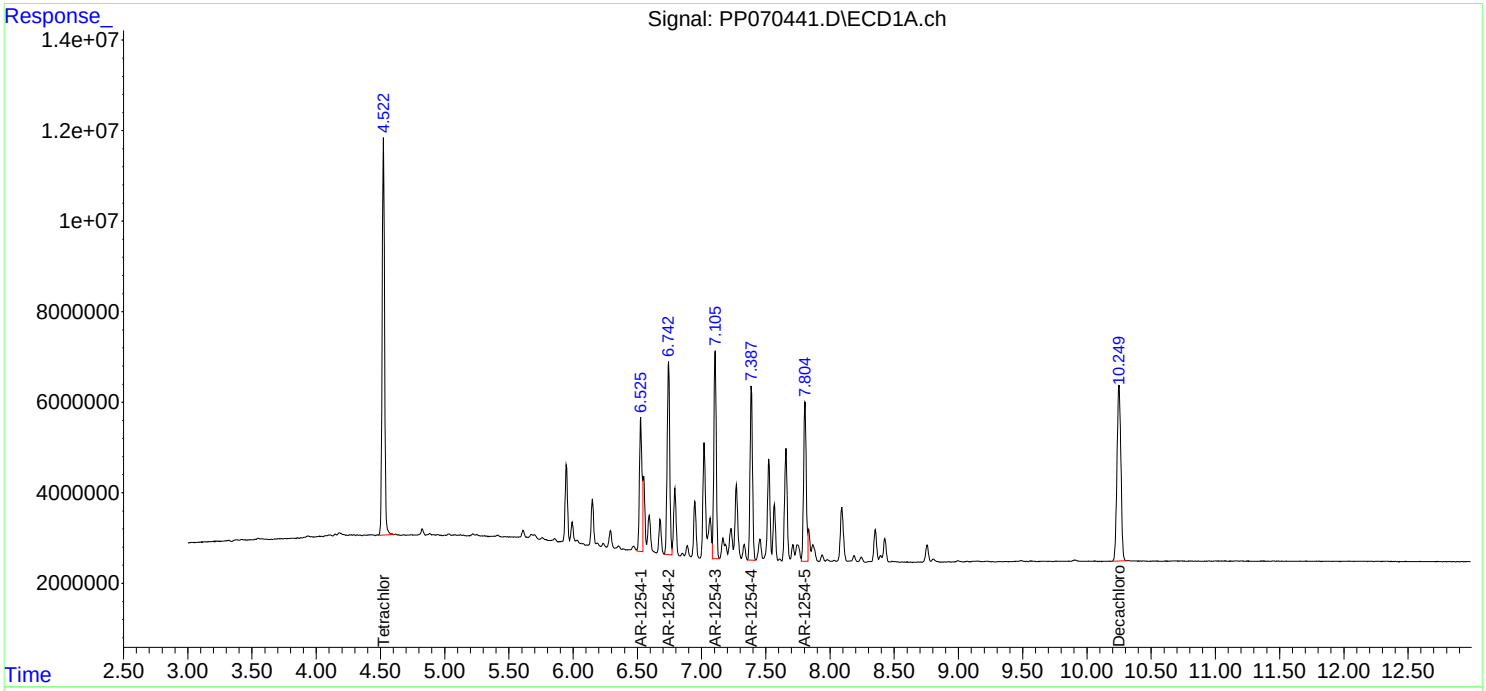
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

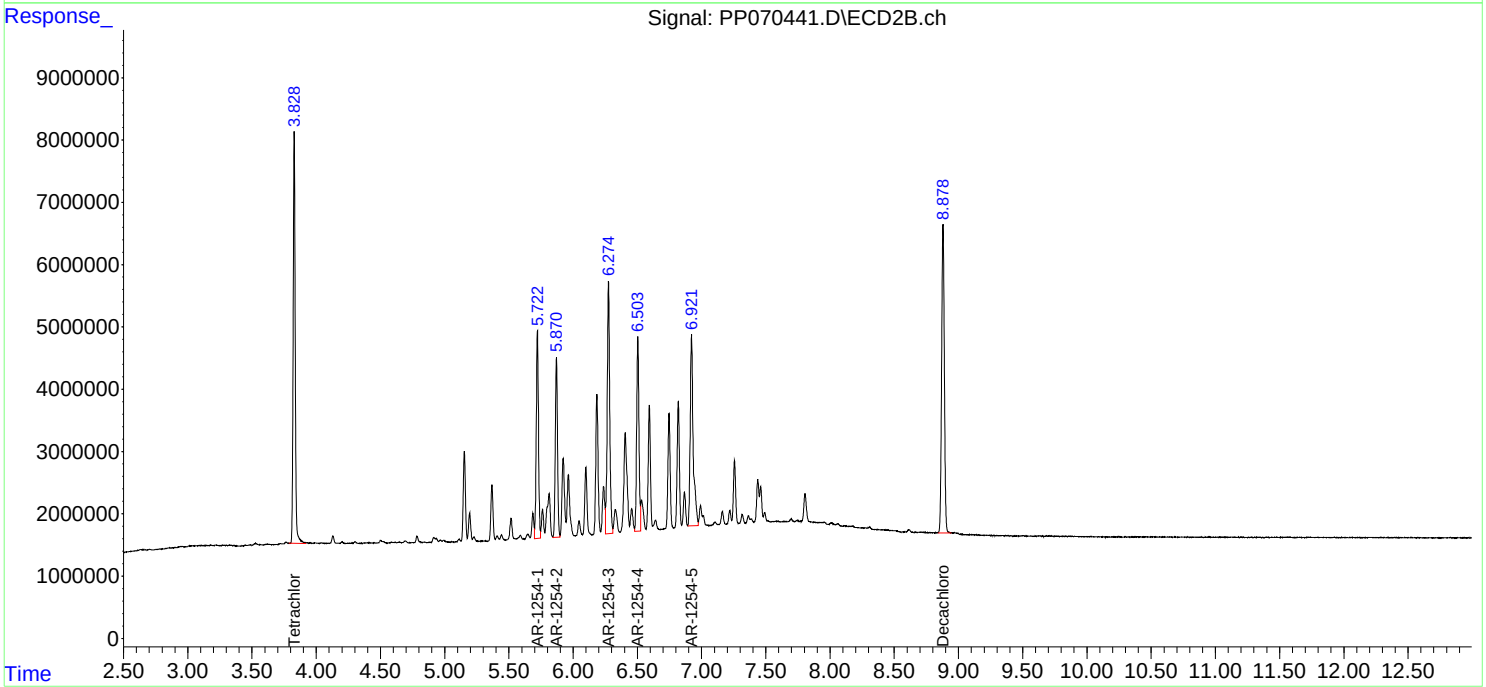
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:11
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 25 Sample Multiplier: 1

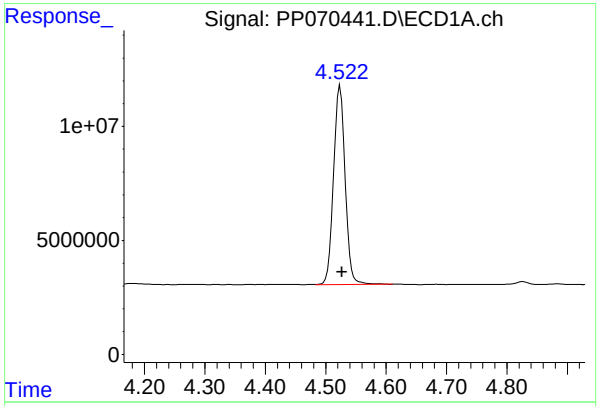
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



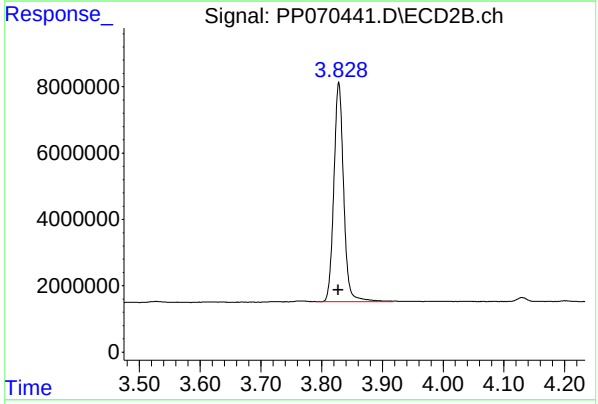






#1 Tetrachloro-m-xylene

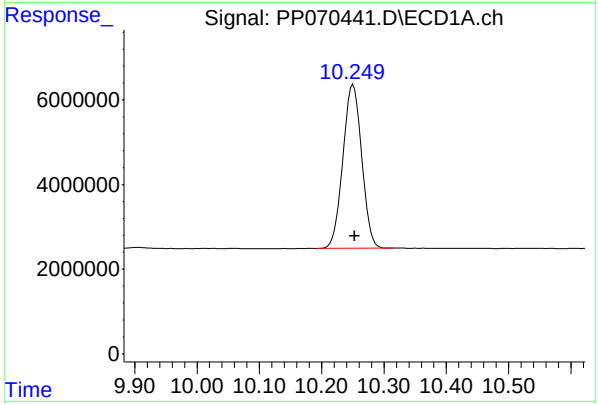
R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 116096349
Conc: 72.70 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



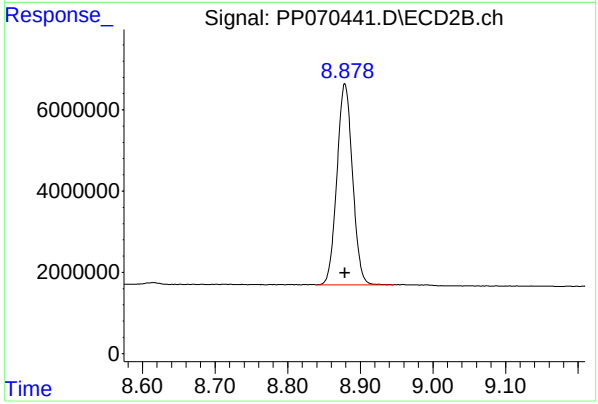

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 73807381
Conc: 72.36 ng/ml



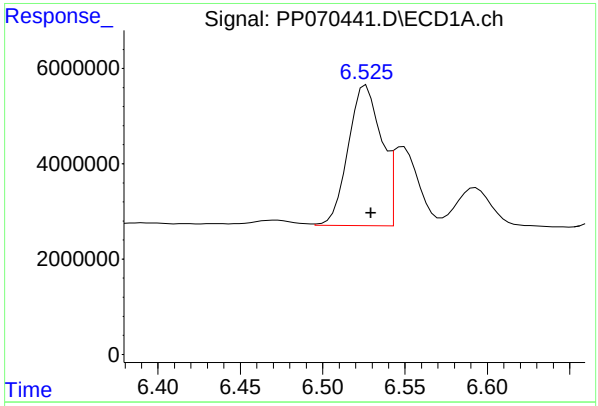

#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 81355197
Conc: 71.88 ng/ml




#2 Decachlorobiphenyl

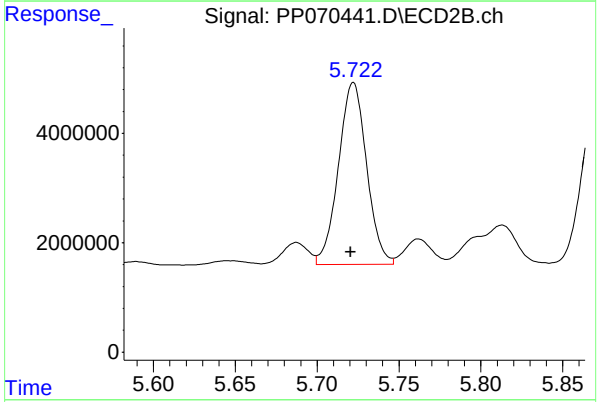
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 73665971
Conc: 67.77 ng/ml




#26 AR-1254-1

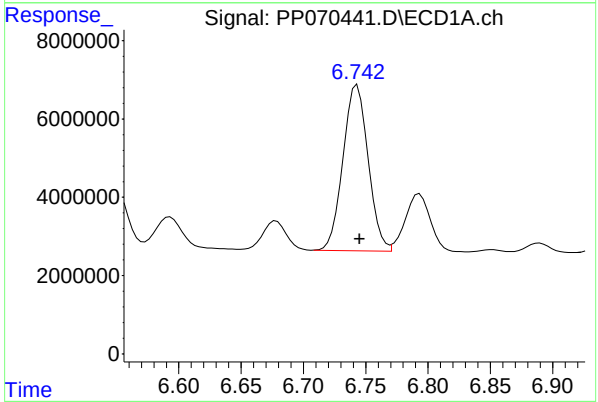
R.T.: 6.526 min
Delta R.T.: -0.003 min
Response: 41082518
Conc: 703.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



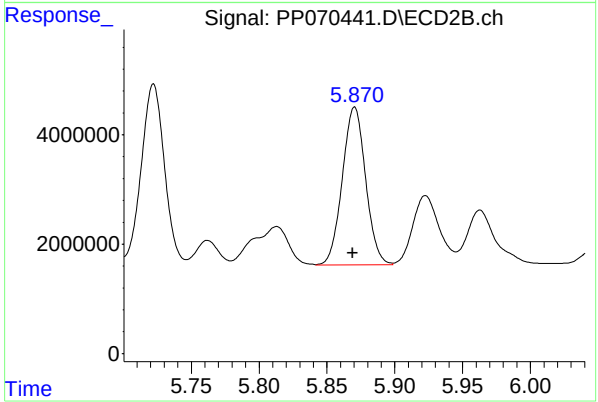

#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.002 min
Response: 39812295
Conc: 704.41 ng/ml



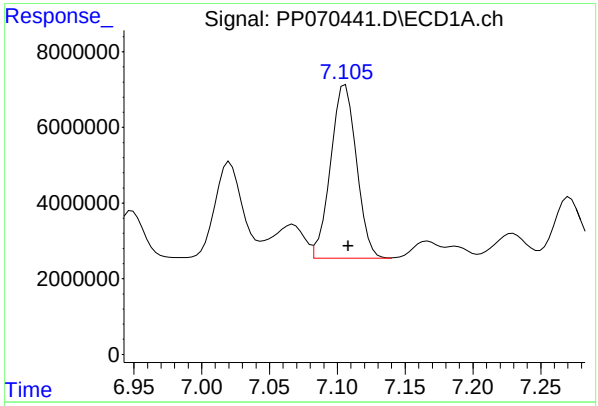

#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 59469212
Conc: 710.11 ng/ml




#27 AR-1254-2

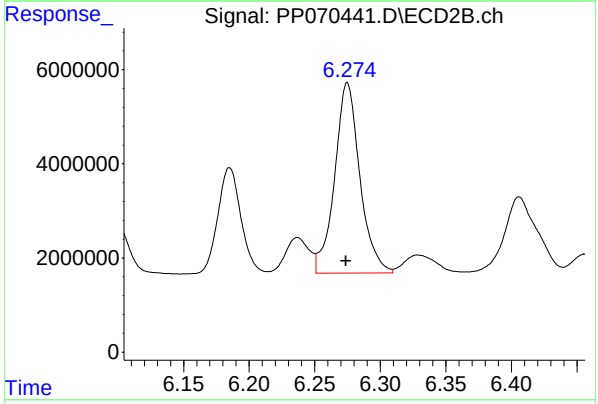
R.T.: 5.870 min
Delta R.T.: 0.002 min
Response: 34485922
Conc: 710.68 ng/ml




#28 AR-1254-3

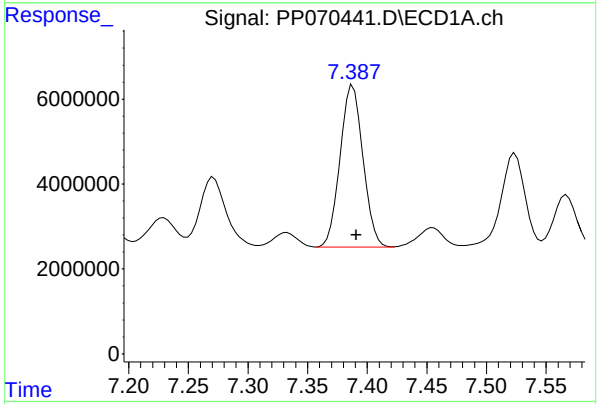
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 60993256
Conc: 706.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



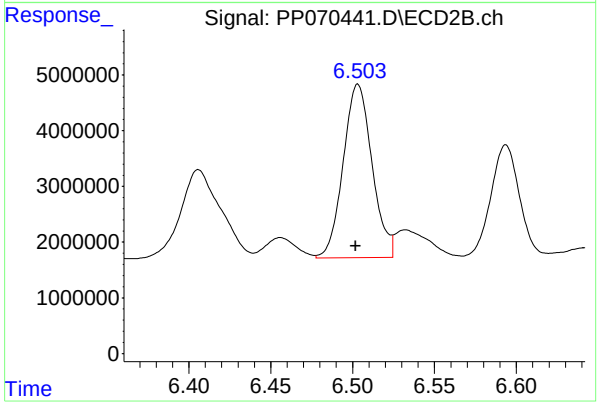

#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.001 min
Response: 54135888
Conc: 714.83 ng/ml



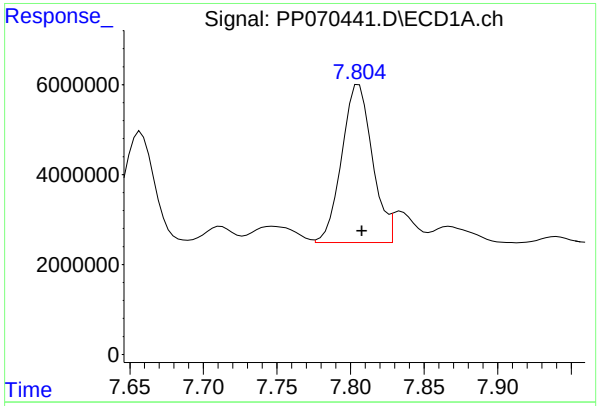

#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 51027528
Conc: 712.34 ng/ml




#29 AR-1254-4

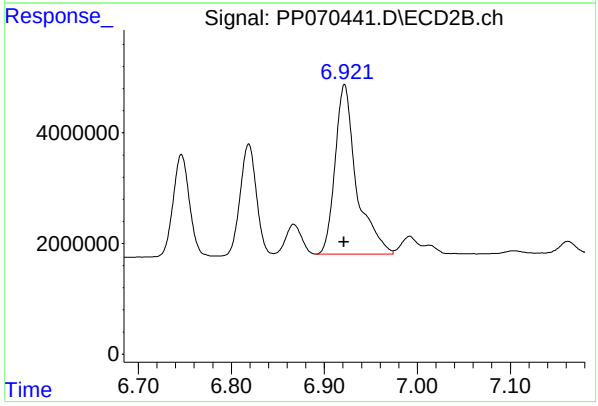
R.T.: 6.503 min
Delta R.T.: 0.001 min
Response: 38224583
Conc: 715.58 ng/ml




#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 min
Response: 50892047
Conc: 716.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750




#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 48947585
Conc: 710.29 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
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: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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... | 4.527 | 3.827 | 79847648 | 50999382 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.253 | 8.879 | 56587852 | 54349698 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.529 | 5.721 | 29204431 | 28259314 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.745 | 5.869 | 41873104 | 24262597 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 7.108 | 6.274 | 43171573 | 37866013 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.391 | 6.502 | 35816695 | 26708804 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 7.808 | 6.921 | 35524526 | 34456229 | 500.000 | 500.000 |

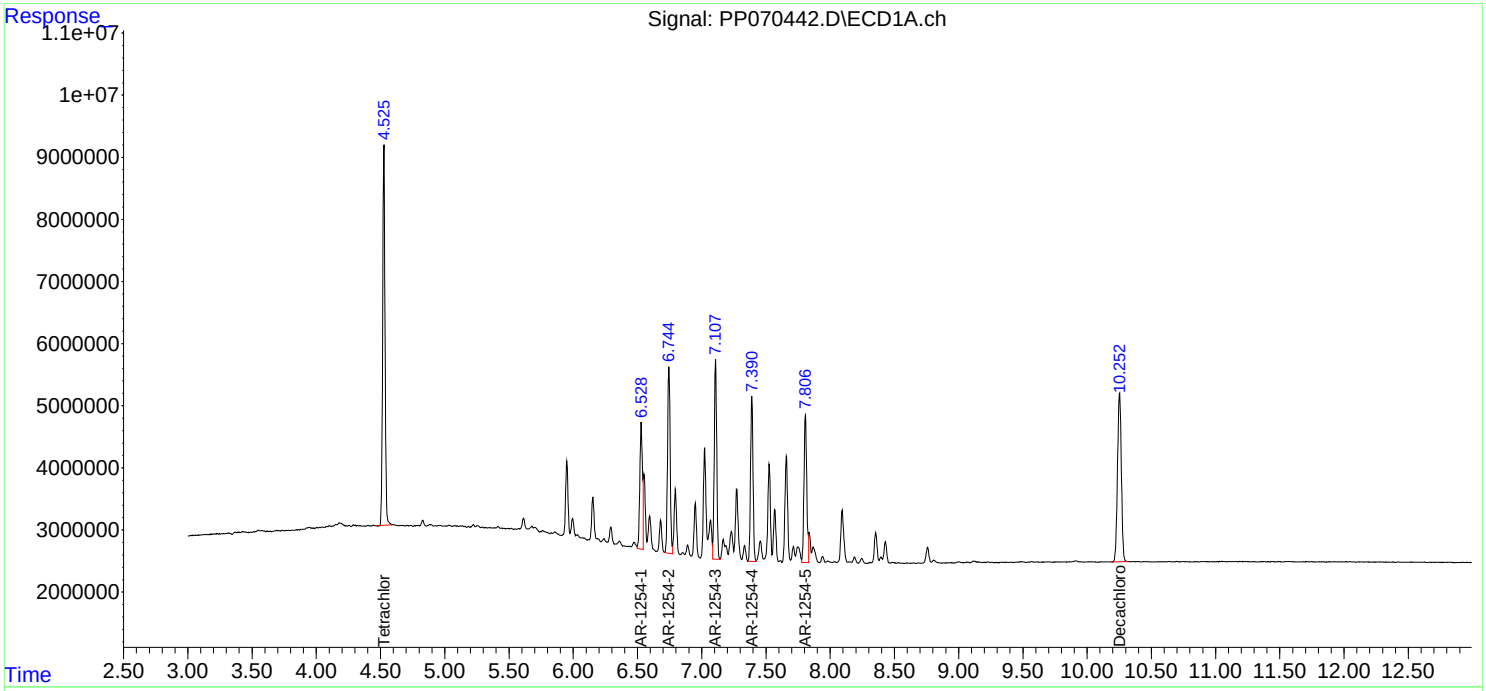
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

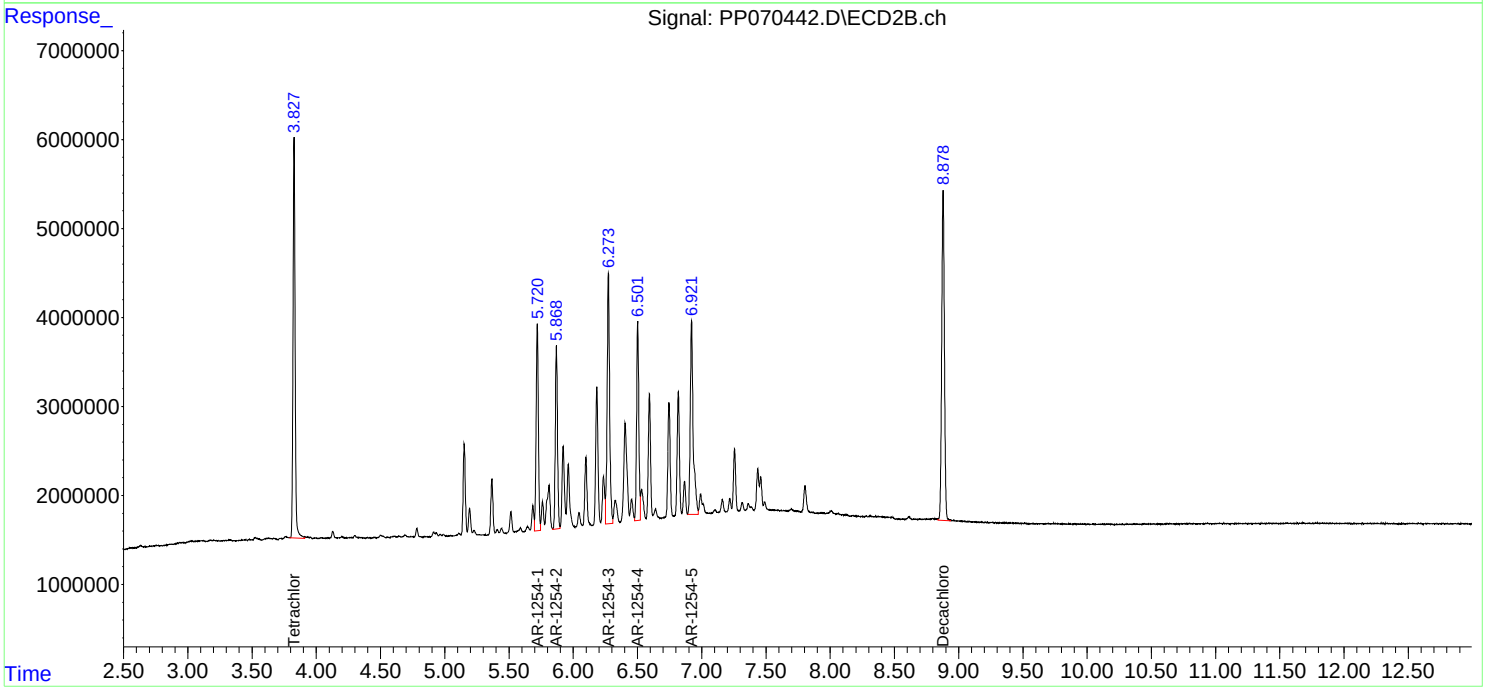
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:28
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 26 Sample Multiplier: 1

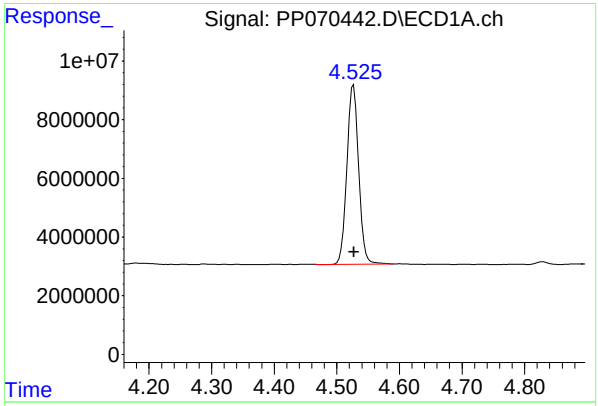
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



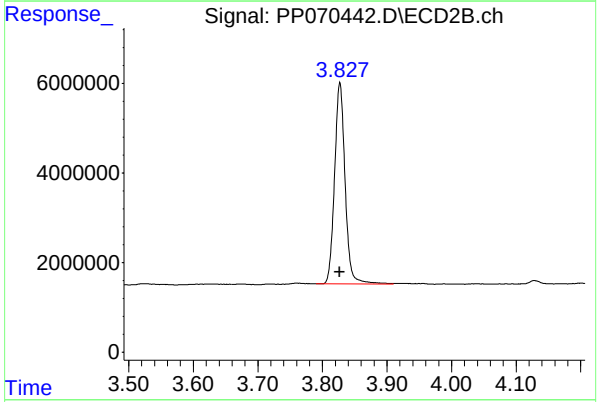






#1 Tetrachloro-m-xylene

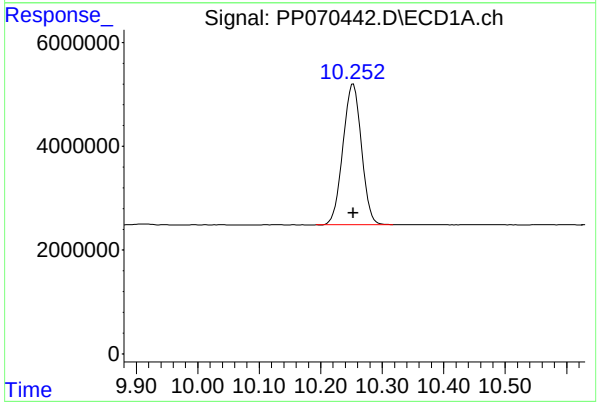
R.T.: 4.527 min
Delta R.T.: 0.000 min
Response: 79847648
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



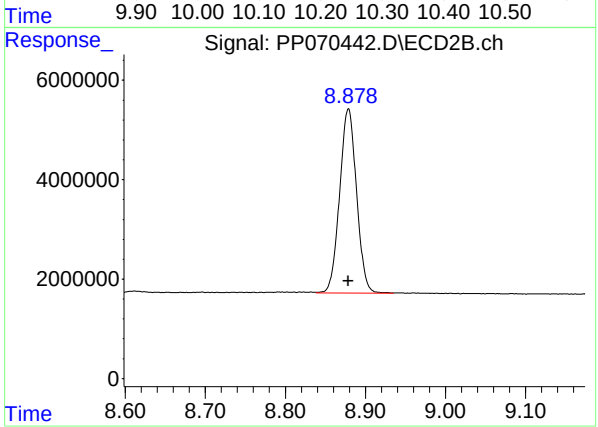

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 50999382
Conc: 50.00 ng/ml



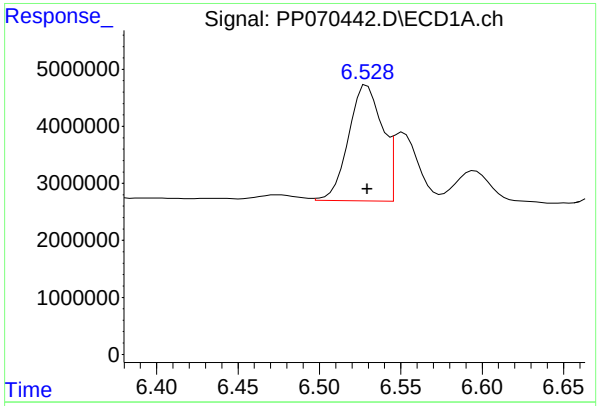

#2 Decachlorobiphenyl

R.T.: 10.253 min
Delta R.T.: 0.000 min
Response: 56587852
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

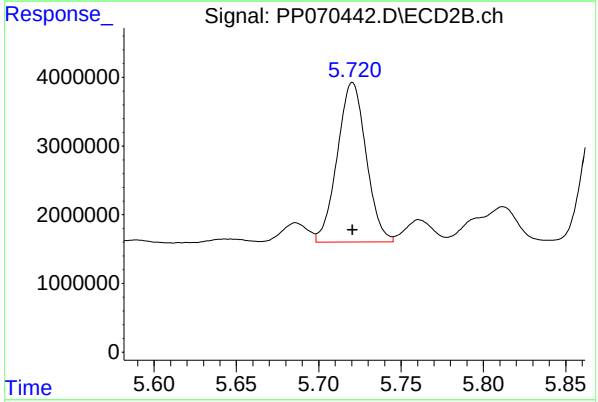
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 54349698
Conc: 50.00 ng/ml




#26 AR-1254-1

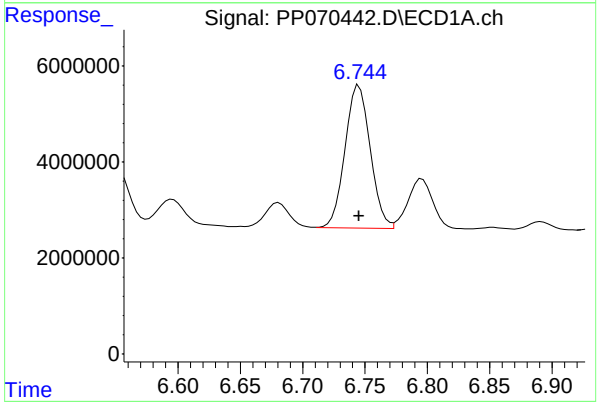
R.T.: 6.529 min
Delta R.T.: 0.000 min
Response: 29204431
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



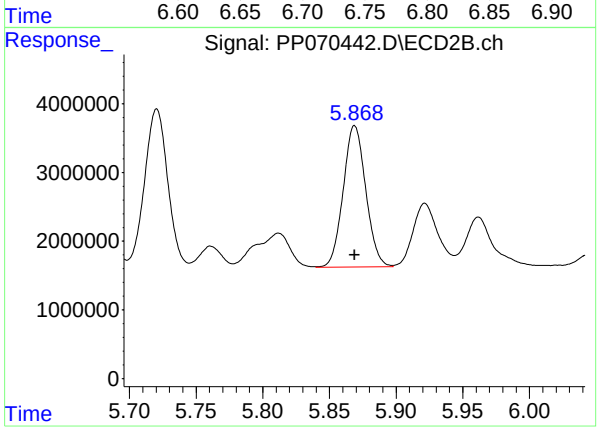

#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28259314
Conc: 500.00 ng/ml



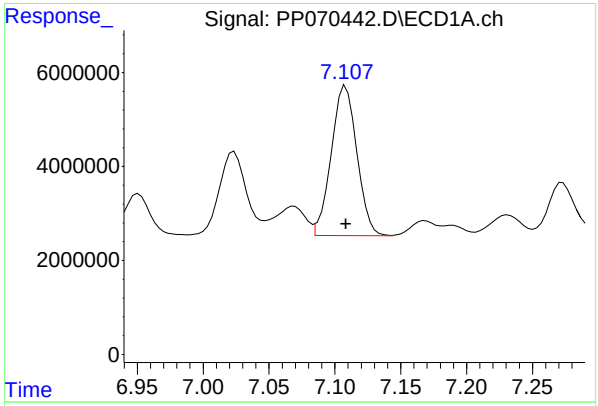

#27 AR-1254-2

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 41873104
Conc: 500.00 ng/ml




#27 AR-1254-2

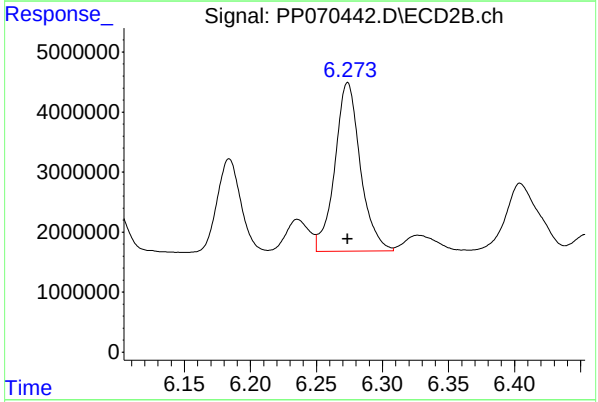
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24262597
Conc: 500.00 ng/ml




#28 AR-1254-3

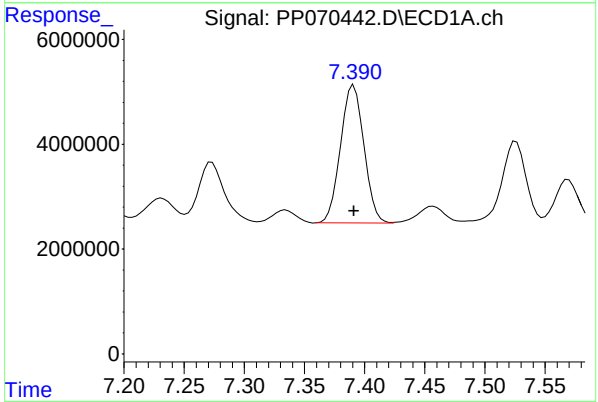
R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 43171573
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



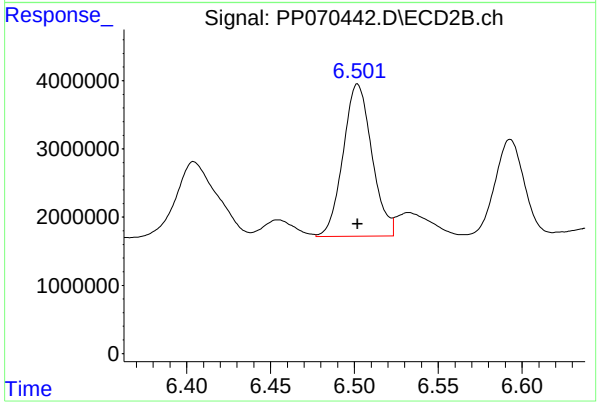

#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 37866013
Conc: 500.00 ng/ml



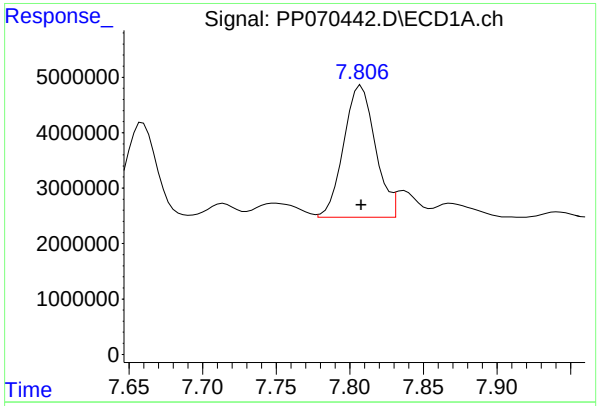

#29 AR-1254-4

R.T.: 7.391 min
Delta R.T.: 0.000 min
Response: 35816695
Conc: 500.00 ng/ml




#29 AR-1254-4

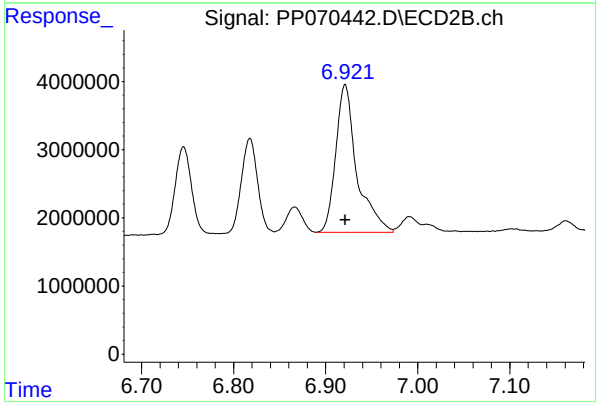
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 26708804
Conc: 500.00 ng/ml




#30 AR-1254-5

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 35524526
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500




#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 34456229
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
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: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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... | 4.522 | 3.828 | 41995422 | 27154292 | 26.297 | 26.622 |
| 2) | SA Decachlor... | 10.247 | 8.879 | 29750638 | 28828167 | 26.287 | 26.521 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.524 | 5.721 | 15632135 | 15086022 | 267.633 | 266.921 |
| 27) | L6 AR-1254-2 | 6.740 | 5.869 | 22251661 | 13109555 | 265.704 | 270.160 |
| 28) | L6 AR-1254-3 | 7.103 | 6.274 | 22535007 | 20354474 | 260.994 | 268.770 |
| 29) | L6 AR-1254-4 | 7.386 | 6.502 | 18941969 | 14262234 | 264.429 | 266.995 |
| 30) | L6 AR-1254-5 | 7.802 | 6.921 | 18651779 | 18303656 | 262.520 | 265.607 |

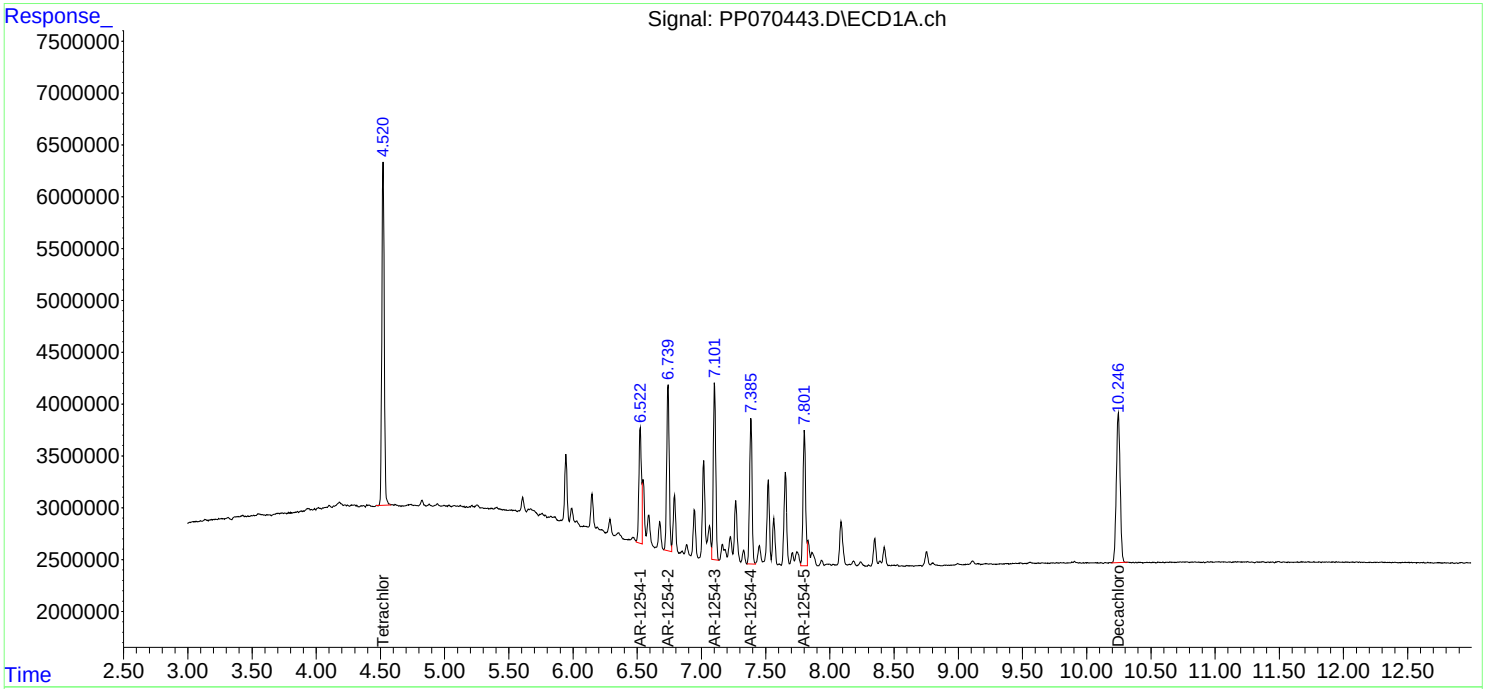
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

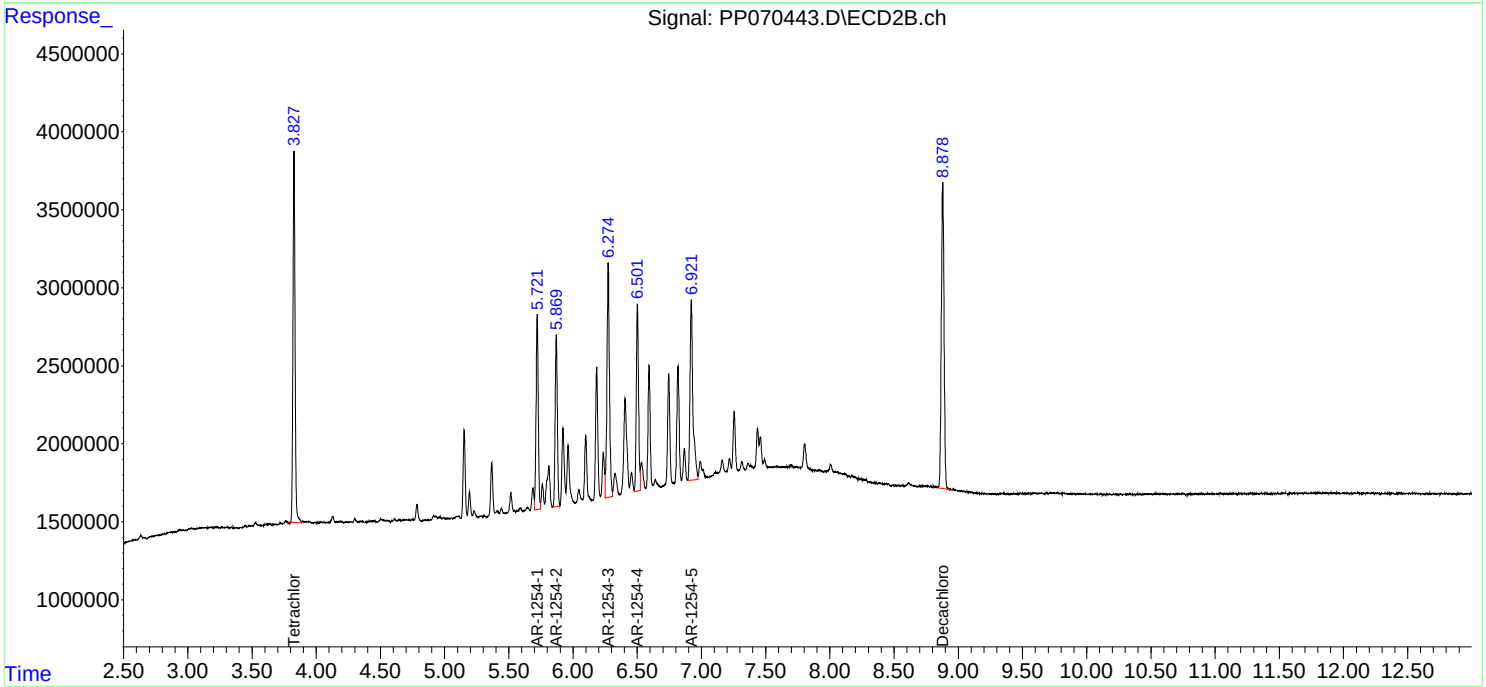
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 21:44
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 27 Sample Multiplier: 1

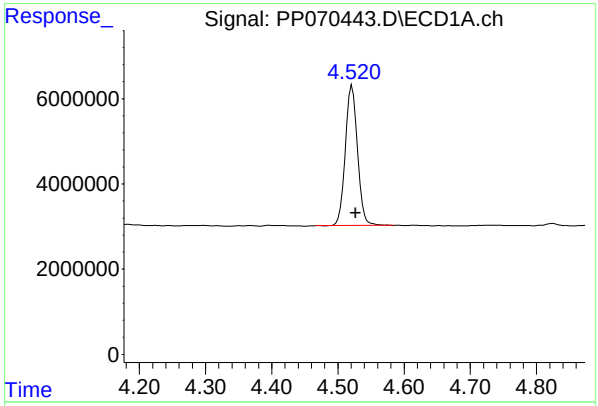
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



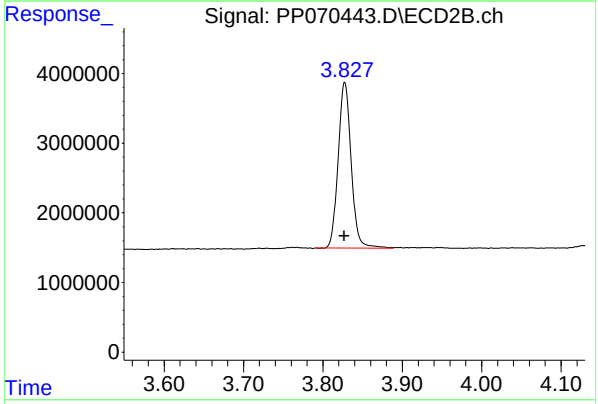






#1 Tetrachloro-m-xylene

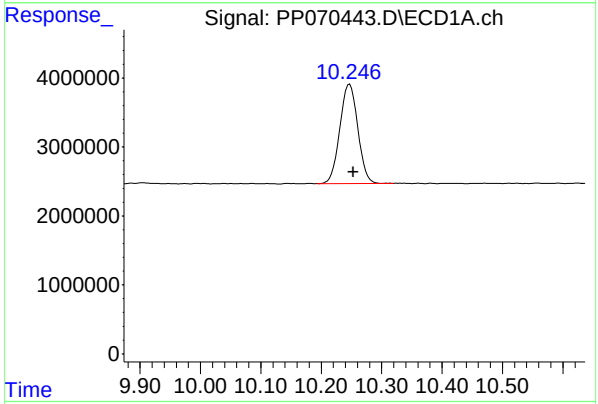
R.T.: 4.522 min
Delta R.T.: -0.005 min
Response: 41995422
Conc: 26.30 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



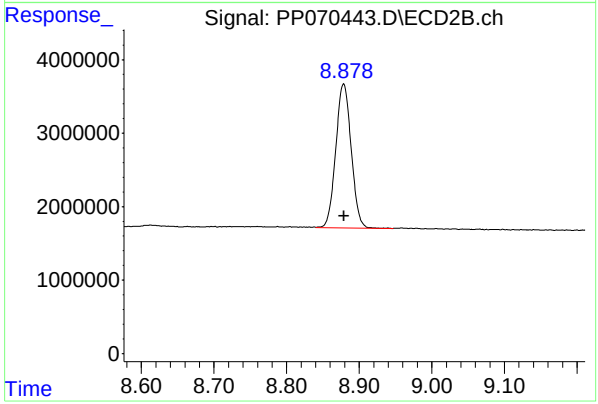

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 27154292
Conc: 26.62 ng/ml



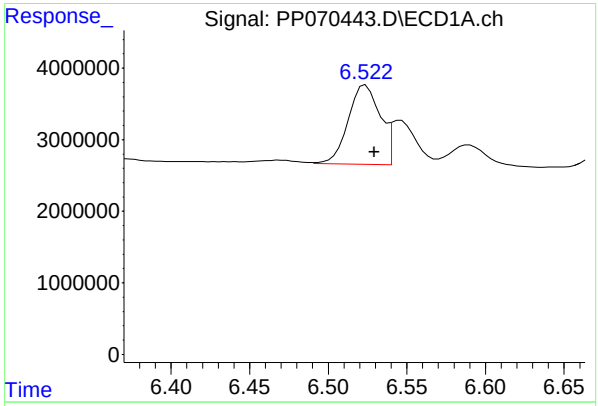

#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.006 min
Response: 29750638
Conc: 26.29 ng/ml




#2 Decachlorobiphenyl

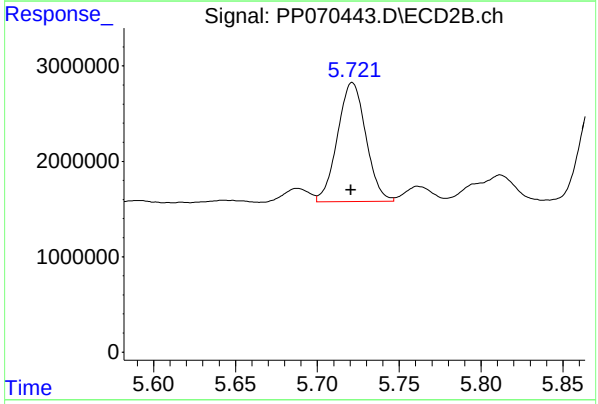
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 28828167
Conc: 26.52 ng/ml




#26 AR-1254-1

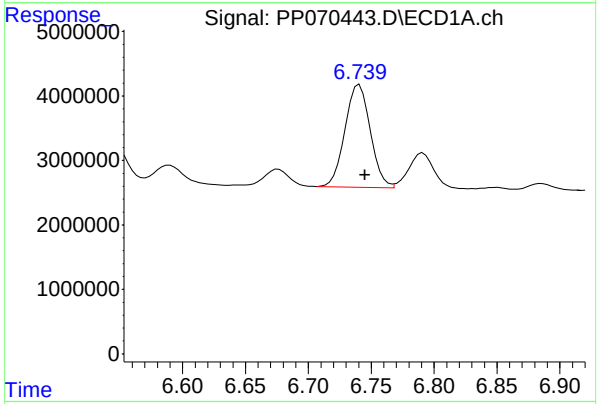
R.T.: 6.524 min
Delta R.T.: -0.006 mi
Response: 15632135
Conc: 267.63 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



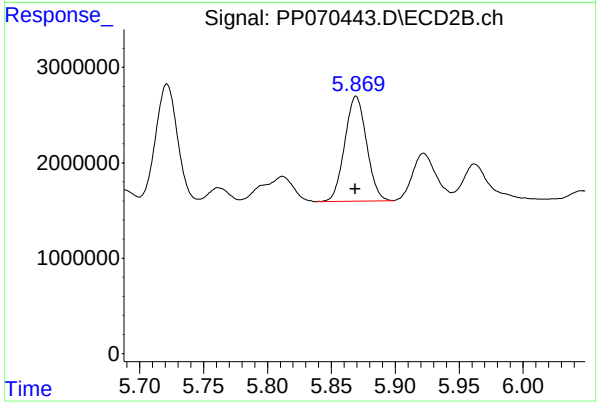

#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 15086022
Conc: 266.92 ng/ml



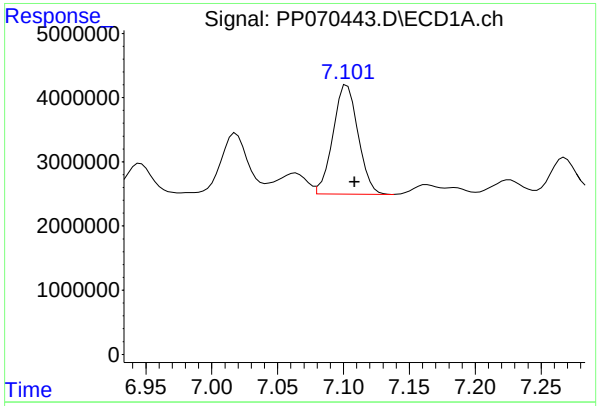

#27 AR-1254-2

R.T.: 6.740 min
Delta R.T.: -0.005 min
Response: 22251661
Conc: 265.70 ng/ml




#27 AR-1254-2

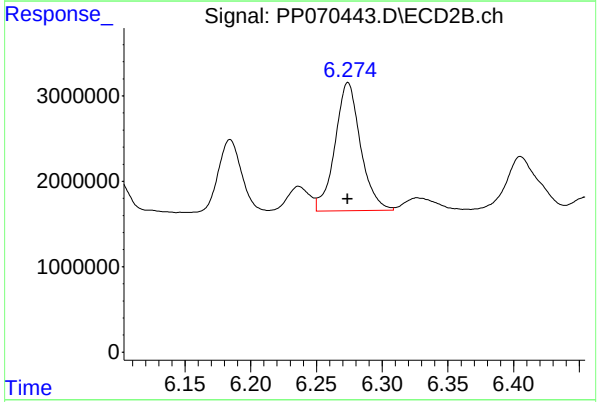
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 13109555
Conc: 270.16 ng/ml




#28 AR-1254-3

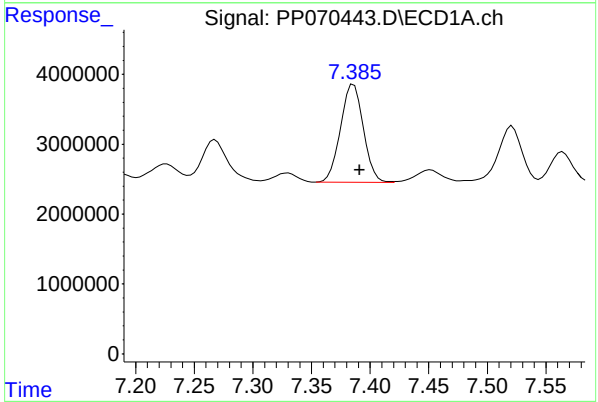
R.T.: 7.103 min
Delta R.T.: -0.006 min
Response: 22535007
Conc: 260.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



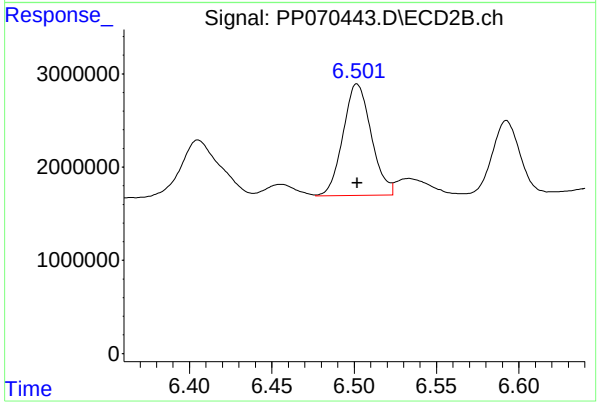

#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 20354474
Conc: 268.77 ng/ml



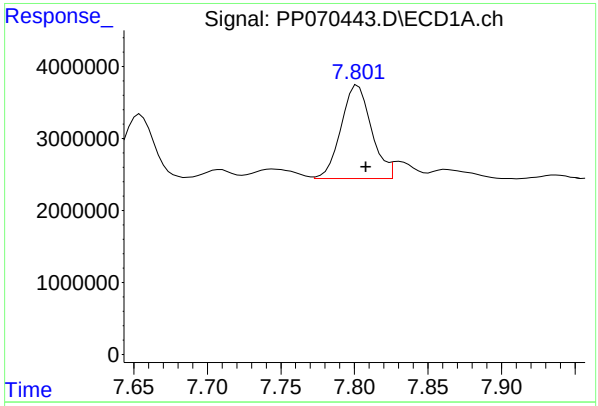

#29 AR-1254-4

R.T.: 7.386 min
Delta R.T.: -0.005 min
Response: 18941969
Conc: 264.43 ng/ml




#29 AR-1254-4

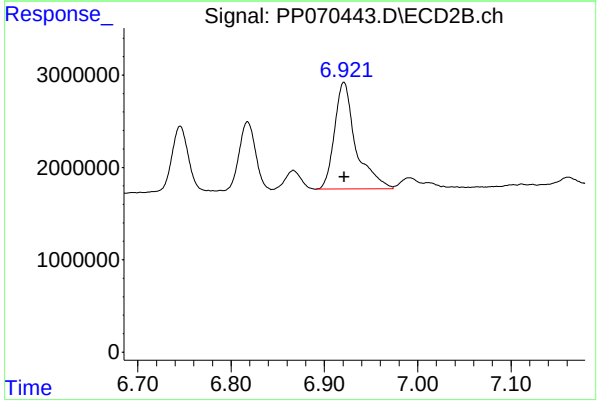
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 14262234
Conc: 266.99 ng/ml




#30 AR-1254-5

R.T.: 7.802 min
Delta R.T.: -0.005 mi
Response: 18651779
Conc: 262.52 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 18303656
Conc: 265.61 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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... | 4.525 | 3.828 | 8190039 | 4946549 | 5.129 | 4.850 |
| 2) | SA Decachlor... | 10.249 | 8.879 | 5357119 | 5757506 | 4.733 | 5.297 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.527 | 5.722 | 2919684 | 3096335 | 49.987 | 54.784 |
| 27) | L6 AR-1254-2 | 6.743 | 5.870 | 3852617 | 2719612 | 46.003 | 56.045 |
| 28) | L6 AR-1254-3 | 7.107 | 6.275 | 4209211 | 3937712 | 48.750 | 51.995 |
| 29) | L6 AR-1254-4 | 7.388 | 6.503 | 3479126 | 2689850 | 48.568 | 50.355 |
| 30) | L6 AR-1254-5 | 7.806 | 6.922 | 3508468 | 3731398 | 49.381 | 54.147 |

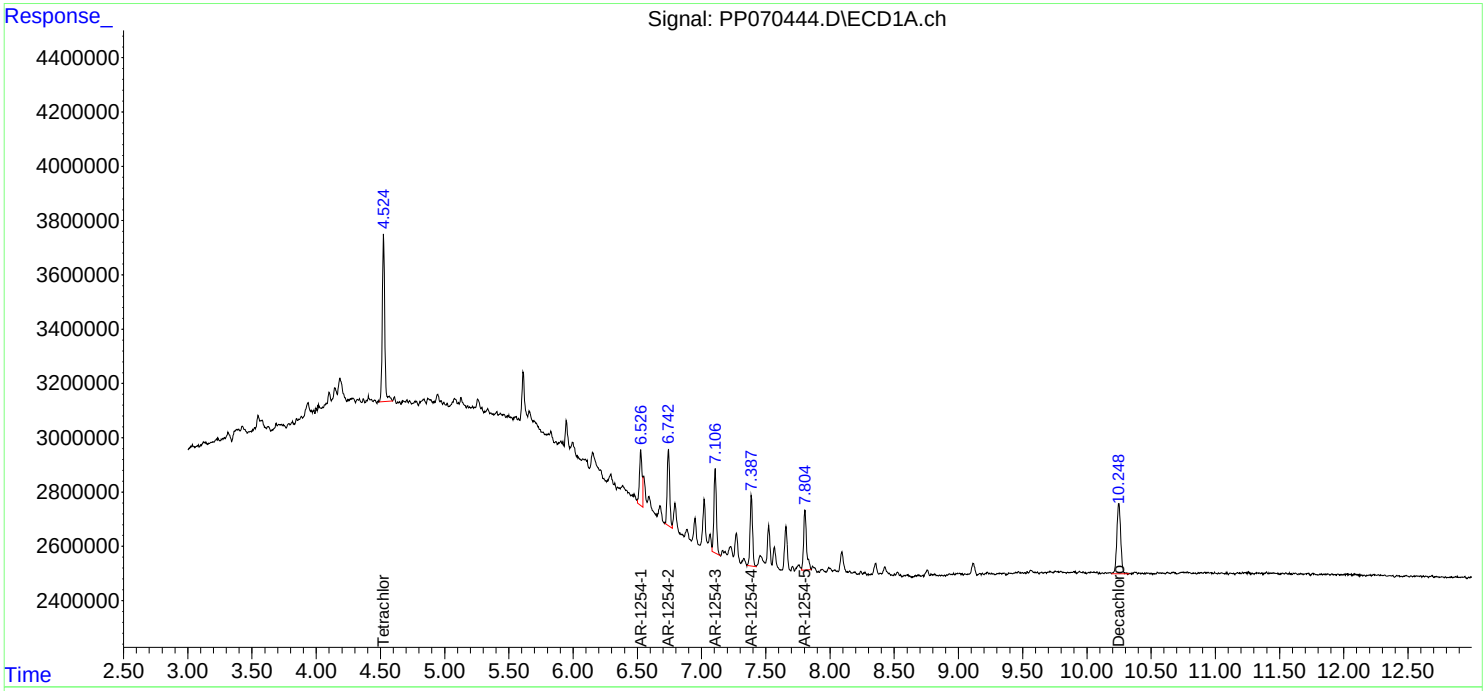
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

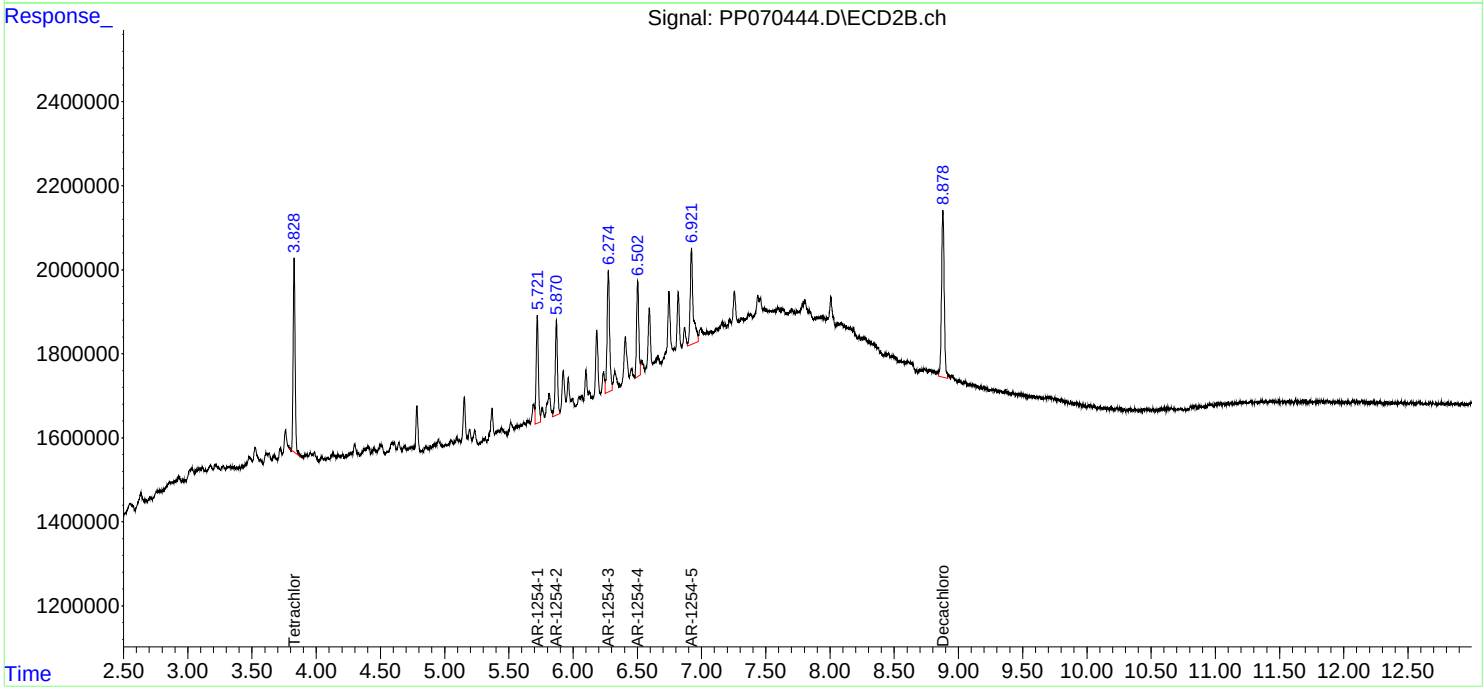
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:00
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 28 Sample Multiplier: 1

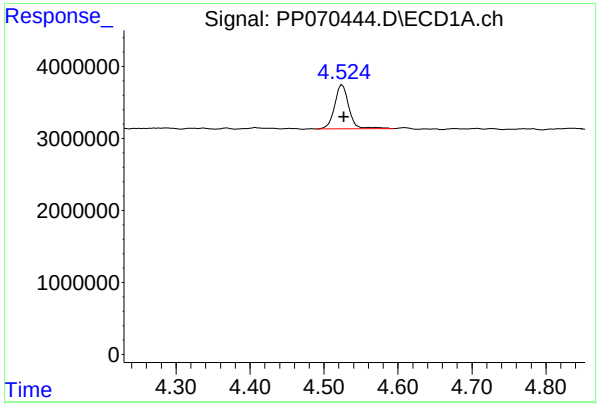
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:41:00 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



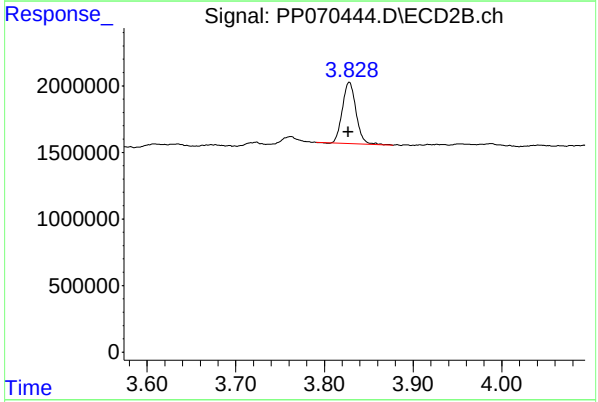






#1 Tetrachloro-m-xylene

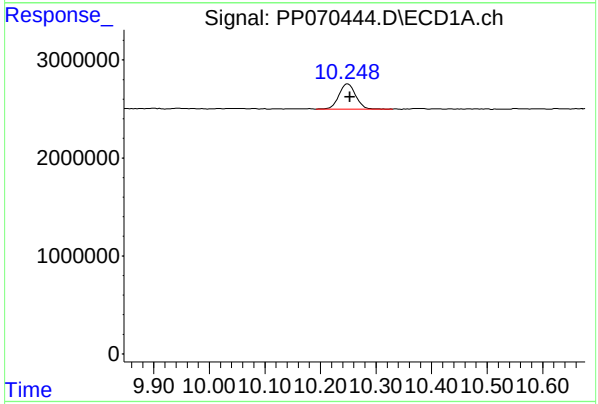
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 8190039
Conc: 5.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



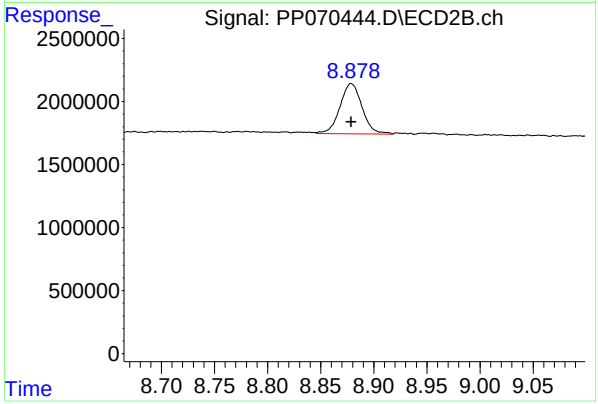

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.001 min
Response: 4946549
Conc: 4.85 ng/ml



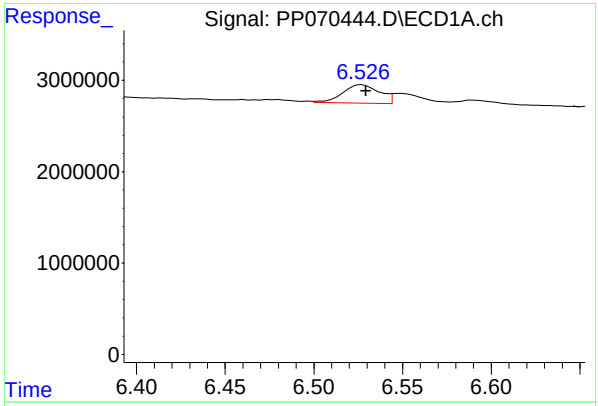

#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.004 min
Response: 5357119
Conc: 4.73 ng/ml




#2 Decachlorobiphenyl

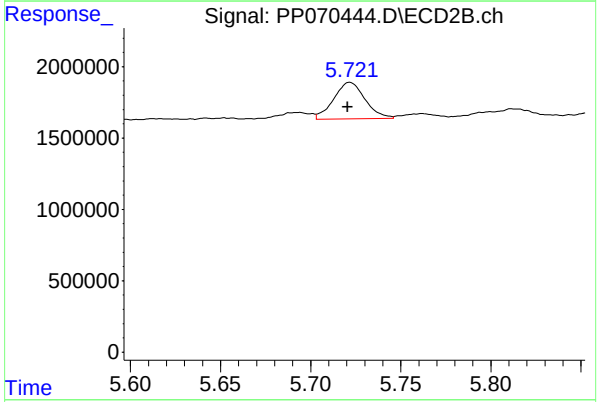
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 5757506
Conc: 5.30 ng/ml




#26 AR-1254-1

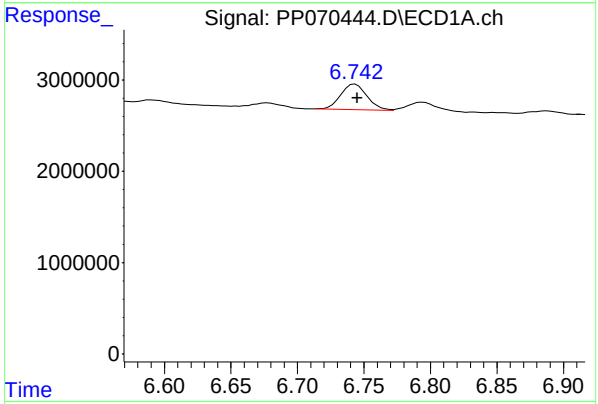
R.T.: 6.527 min
Delta R.T.: -0.002 min
Response: 2919684
Conc: 49.99 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



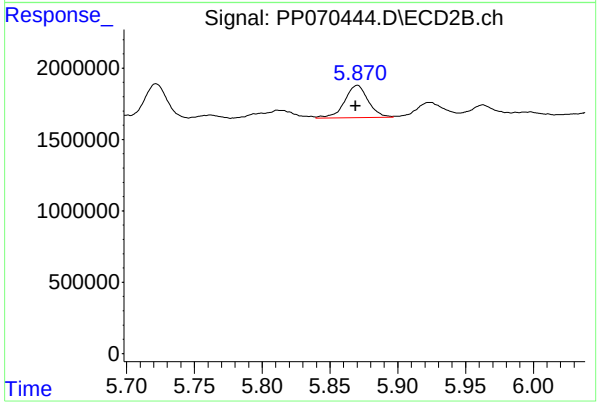

#26 AR-1254-1

R.T.: 5.722 min
Delta R.T.: 0.001 min
Response: 3096335
Conc: 54.78 ng/ml



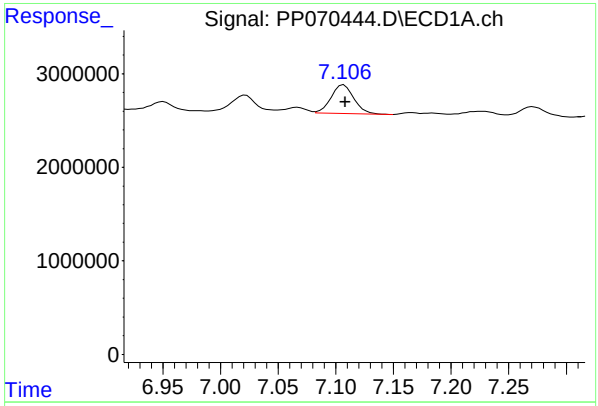

#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3852617
Conc: 46.00 ng/ml




#27 AR-1254-2

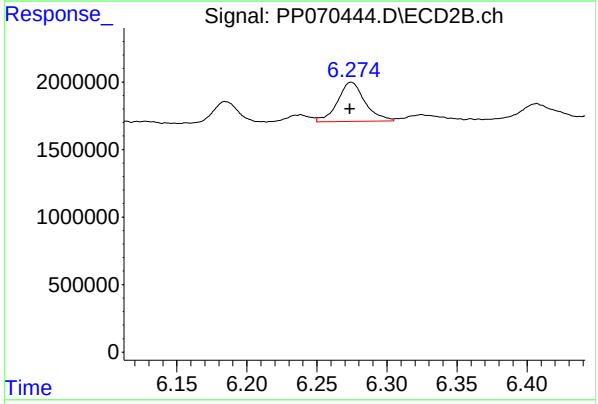
R.T.: 5.870 min
Delta R.T.: 0.001 min
Response: 2719612
Conc: 56.05 ng/ml




#28 AR-1254-3

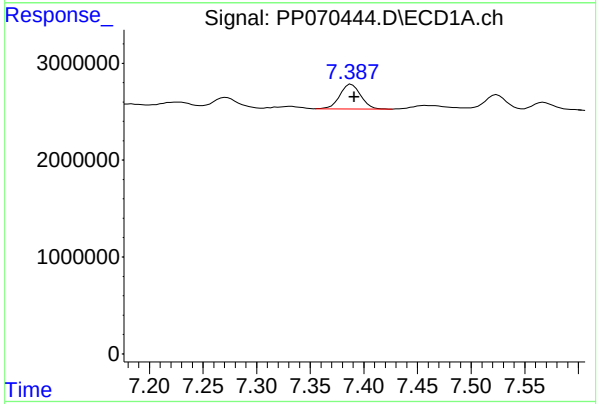
R.T.: 7.107 min
Delta R.T.: -0.001 min
Response: 4209211
Conc: 48.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



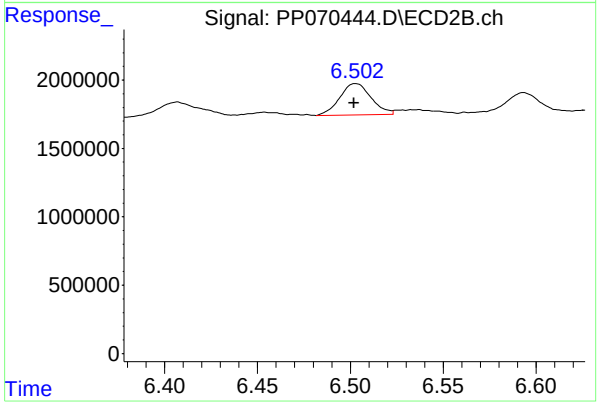

#28 AR-1254-3

R.T.: 6.275 min
Delta R.T.: 0.000 min
Response: 3937712
Conc: 52.00 ng/ml



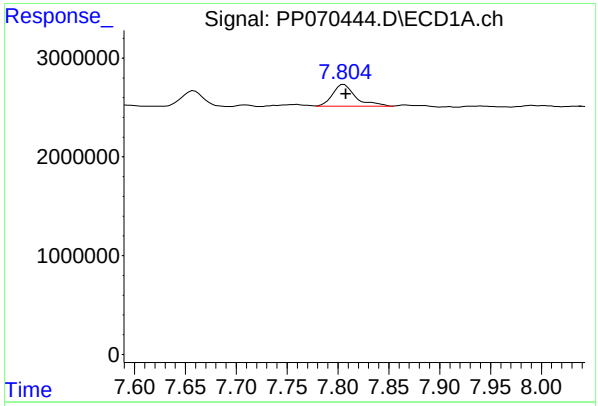

#29 AR-1254-4

R.T.: 7.388 min
Delta R.T.: -0.003 min
Response: 3479126
Conc: 48.57 ng/ml




#29 AR-1254-4

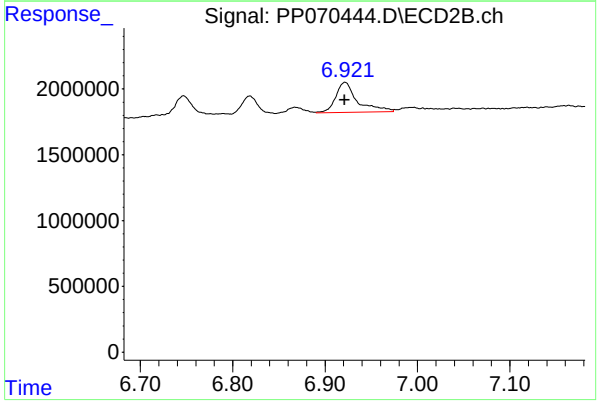
R.T.: 6.503 min
Delta R.T.: 0.000 min
Response: 2689850
Conc: 50.36 ng/ml




#30 AR-1254-5

R.T.: 7.806 min
Delta R.T.: -0.002 mi
Response: 3508468
Conc: 49.38 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050




#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: 0.000 min
Response: 3731398
Conc: 54.15 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
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: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 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... | 4.524 | 3.828 | 79987375 | 50598241 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.249 | 8.880 | 55265895 | 53517923 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 8.107 | 6.960 | 40859309 | 41831981 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.427 | 7.219 | 82356816 | 34364927 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 8.745 | 7.743 | 56082248 | 32993103 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 8.830 | 7.808 | 41901860 | 52217661 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.487 | 8.310 | 29448112 | 25775032 | 500.000 | 500.000 |

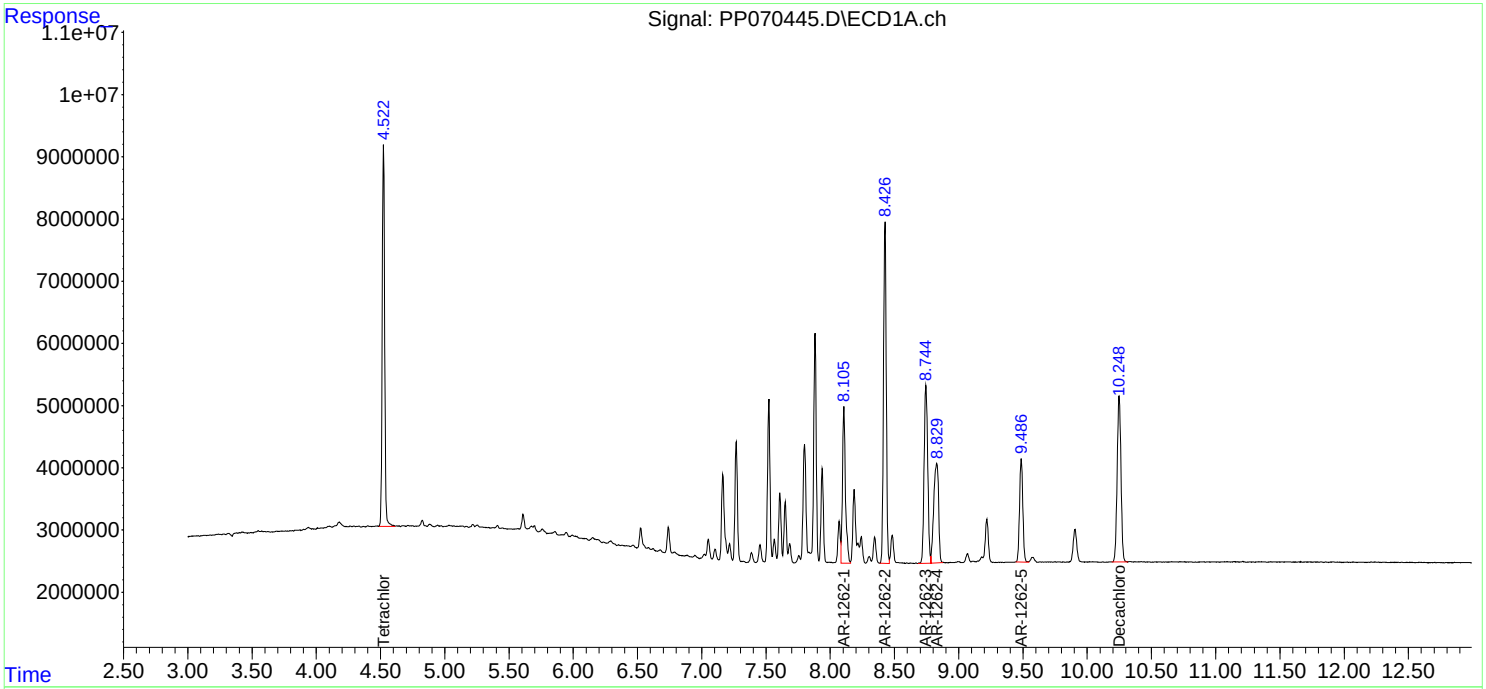
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

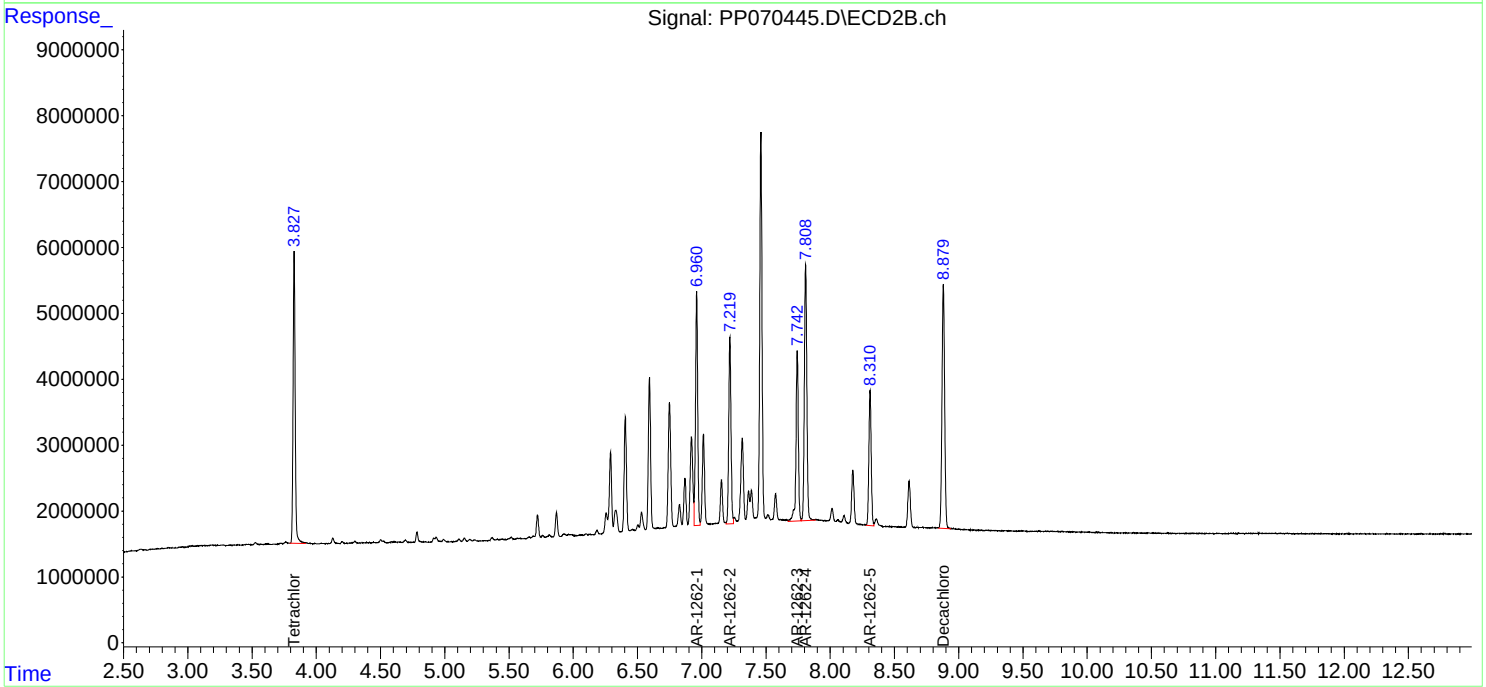
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070445.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:16
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 29 Sample Multiplier: 1

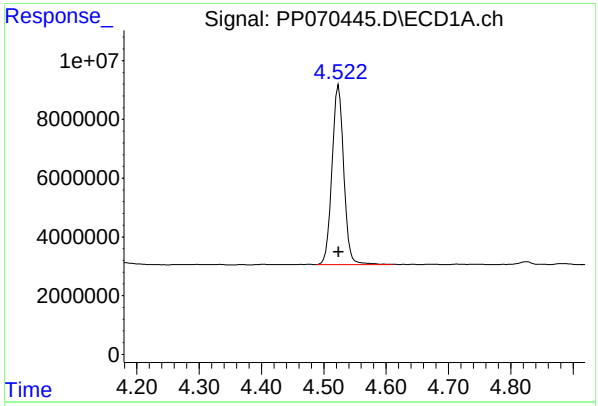
**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 22:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 22:53:51 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



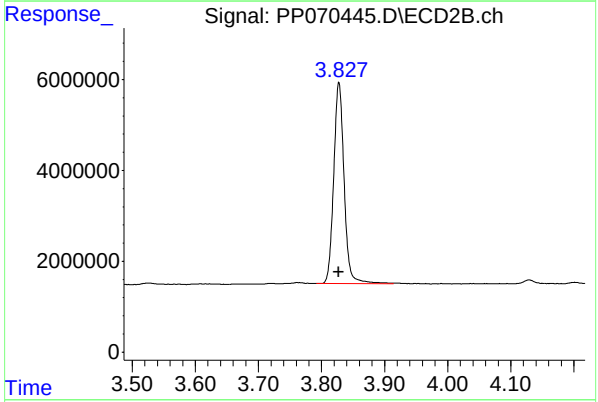






#1 Tetrachloro-m-xylene

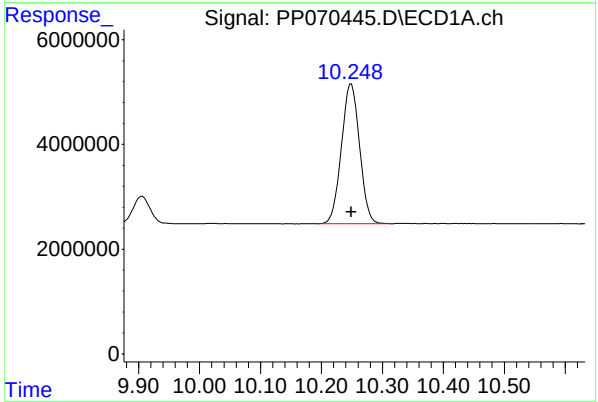
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 79987375
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



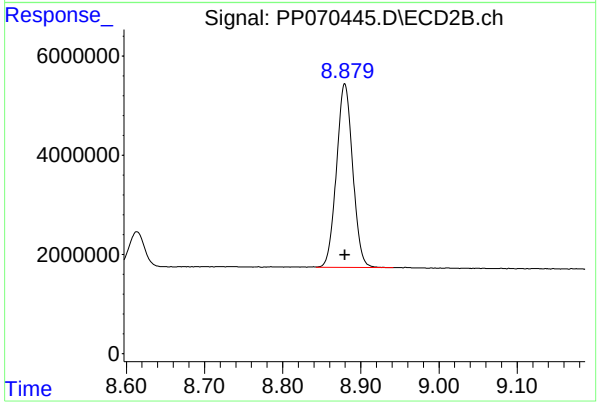

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 50598241
Conc: 50.00 ng/ml



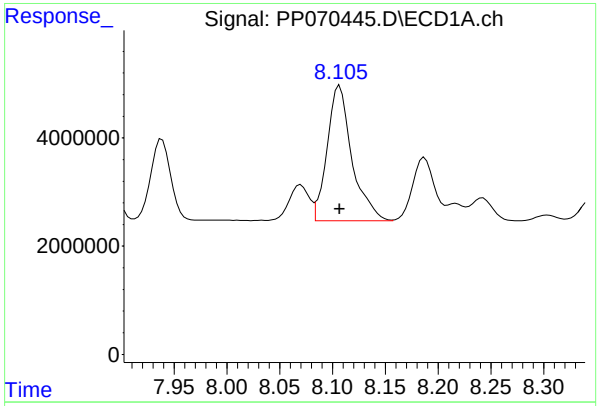

#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: 0.000 min
Response: 55265895
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

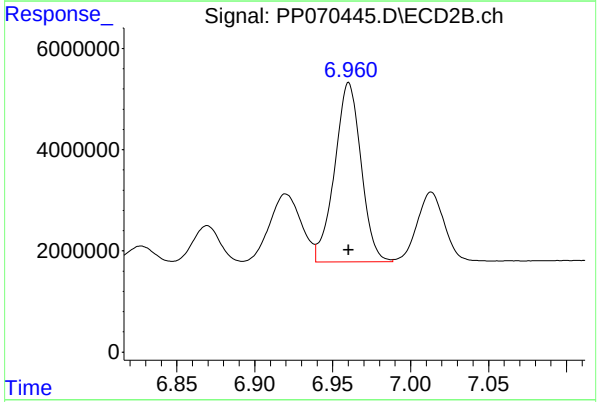
R.T.: 8.880 min
Delta R.T.: 0.000 min
Response: 53517923
Conc: 50.00 ng/ml




#36 AR-1262-1

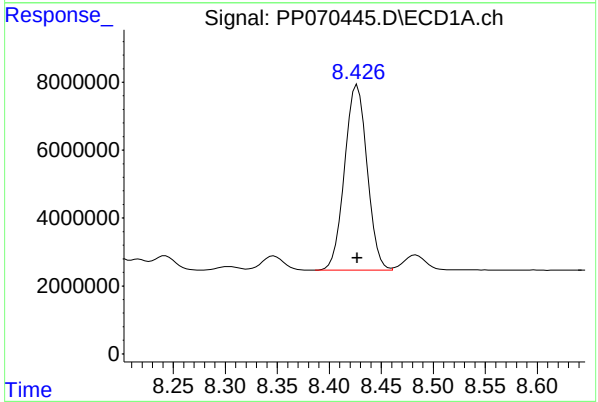
R.T.: 8.107 min
Delta R.T.: 0.000 mi
Response: 40859309
Conc: 500.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



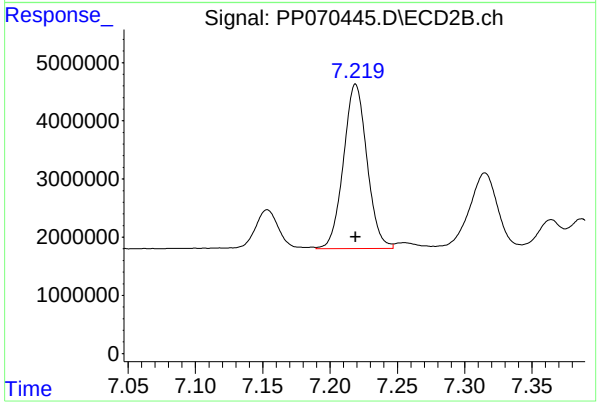

#36 AR-1262-1

R.T.: 6.960 min
Delta R.T.: 0.000 min
Response: 41831981
Conc: 500.00 ng/ml



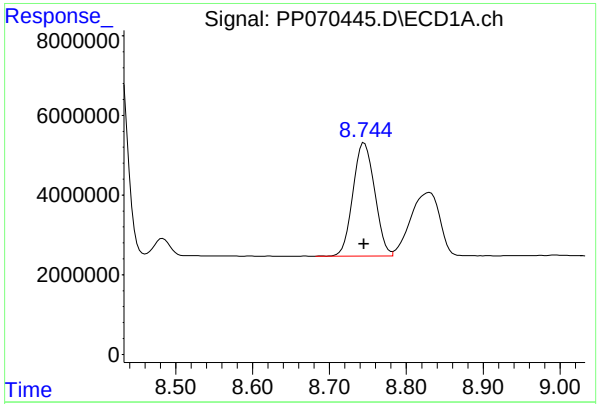

#37 AR-1262-2

R.T.: 8.427 min
Delta R.T.: 0.000 min
Response: 82356816
Conc: 500.00 ng/ml




#37 AR-1262-2

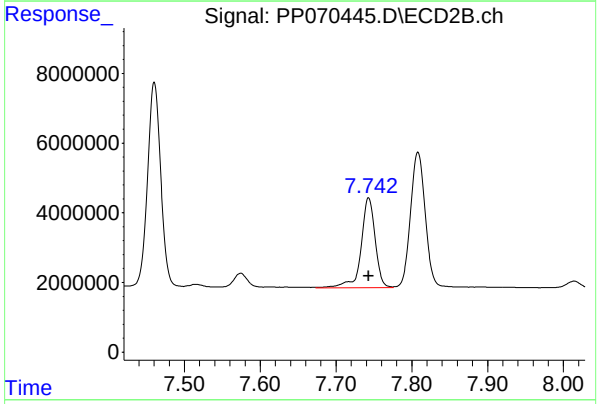
R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 34364927
Conc: 500.00 ng/ml




#38 AR-1262-3

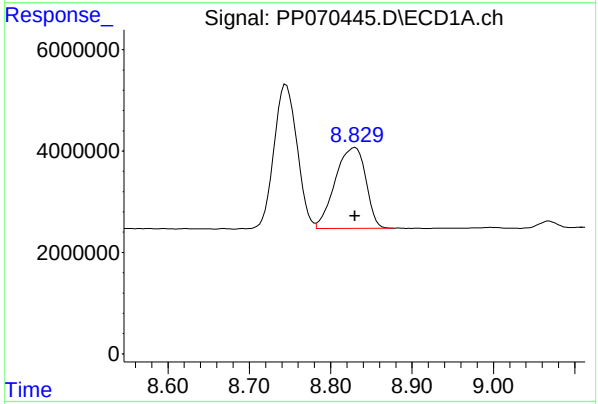
R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 56082248
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



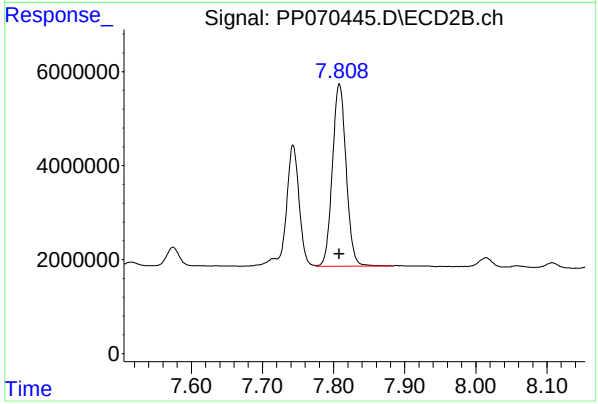

#38 AR-1262-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 32993103
Conc: 500.00 ng/ml



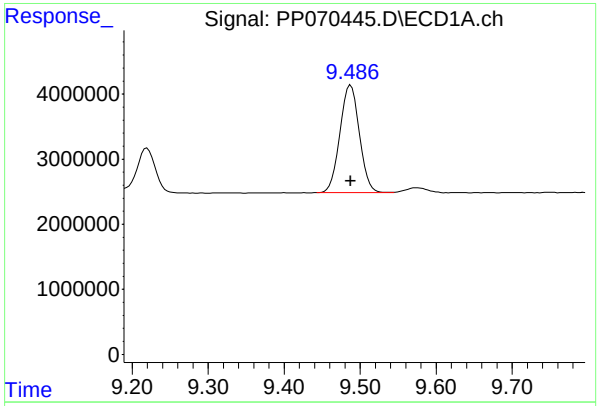

#39 AR-1262-4

R.T.: 8.830 min
Delta R.T.: 0.000 min
Response: 41901860
Conc: 500.00 ng/ml




#39 AR-1262-4

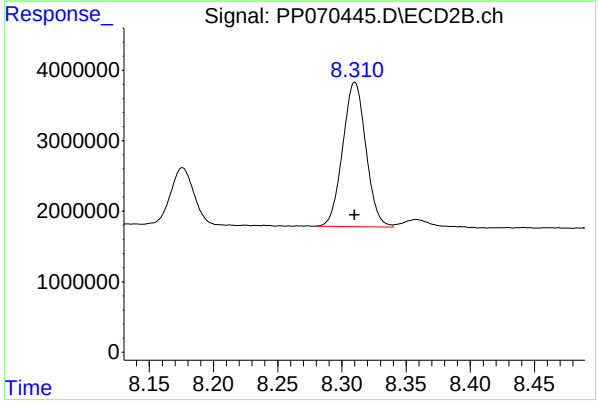
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 52217661
Conc: 500.00 ng/ml




#40 AR-1262-5

R.T.: 9.487 min
Delta R.T.: 0.000 mi
Response: 29448112
Conc: 500.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500




#40 AR-1262-5

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 25775032
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
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: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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... | 4.527 | 3.827 | 156.0E6 | 101.9E6 | 94.867 | 92.435 |
| 2) | SA Decachlor... | 10.254 | 8.878 | 179.7E6 | 163.2E6 | 93.195 | 93.675 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.745 | 7.743 | 188.5E6 | 168.4E6 | 935.648 | 940.387 |
| 42) | L9 AR-1268-2 | 8.839 | 7.808 | 162.7E6 | 142.0E6 | 939.401 | 947.708 |
| 43) | L9 AR-1268-3 | 9.072 | 8.015 | 140.0E6 | 125.4E6 | 934.124 | 967.486 |
| 44) | L9 AR-1268-4 | 9.491 | 8.309 | 62601215 | 54287293 | 945.965 | 955.597 |
| 45) | L9 AR-1268-5 | 9.911 | 8.613 | 401.2E6 | 364.2E6 | 947.852 | 962.567 |

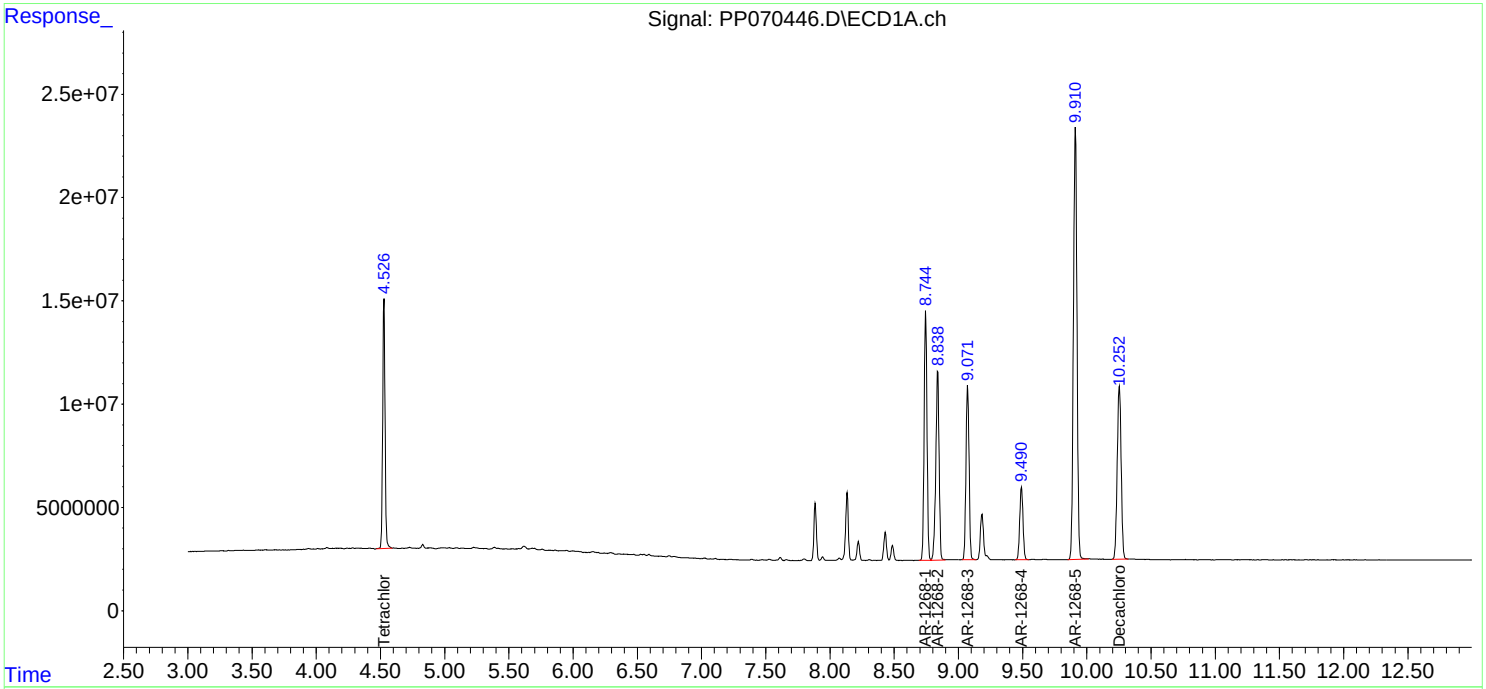
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

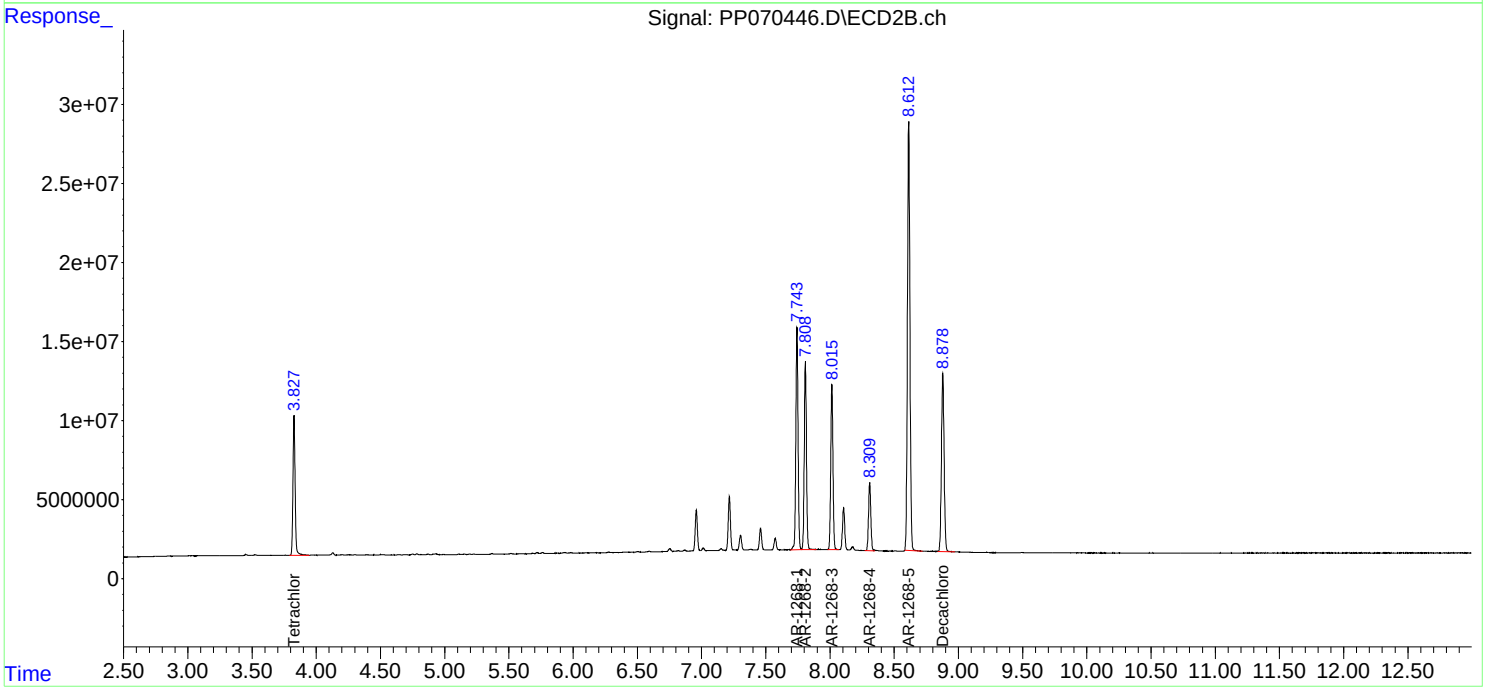
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070446.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:33
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 30 Sample Multiplier: 1

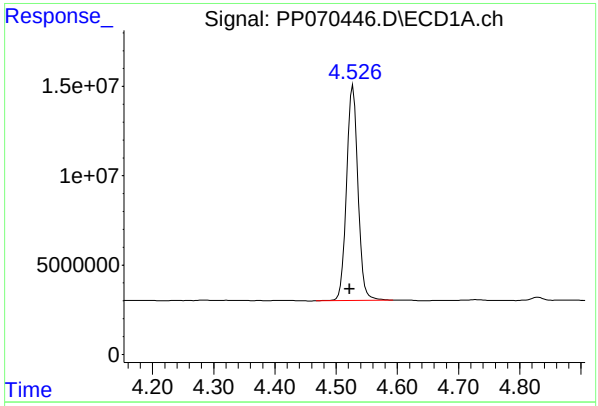
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



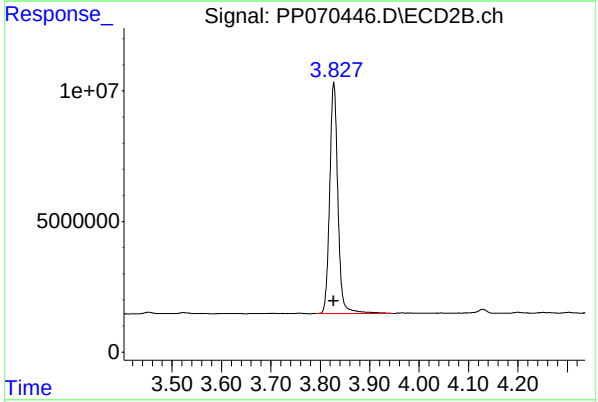






#1 Tetrachloro-m-xylene

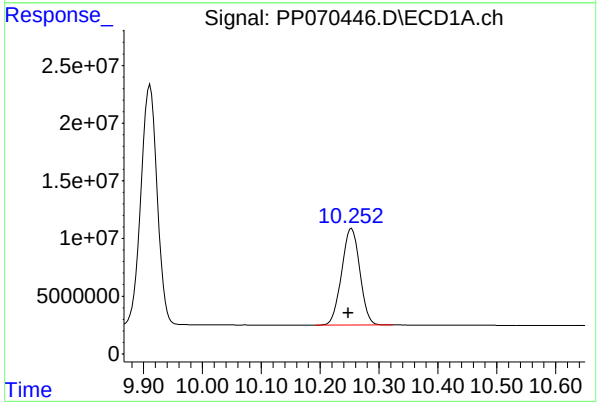
R.T.: 4.527 min
Delta R.T.: 0.005 min
Response: 155964491
Conc: 94.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



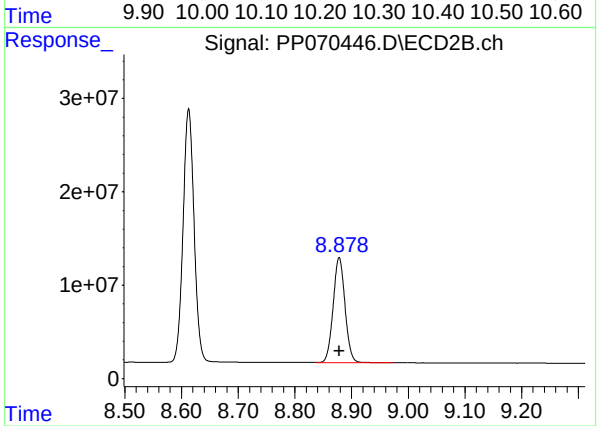

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 101943210
Conc: 92.43 ng/ml



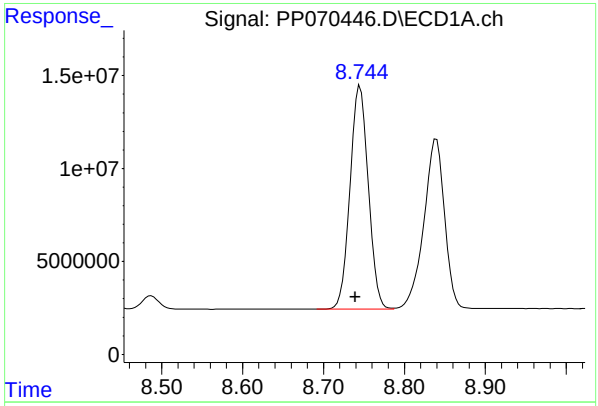

#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: 0.005 min
Response: 179730530
Conc: 93.19 ng/ml




#2 Decachlorobiphenyl

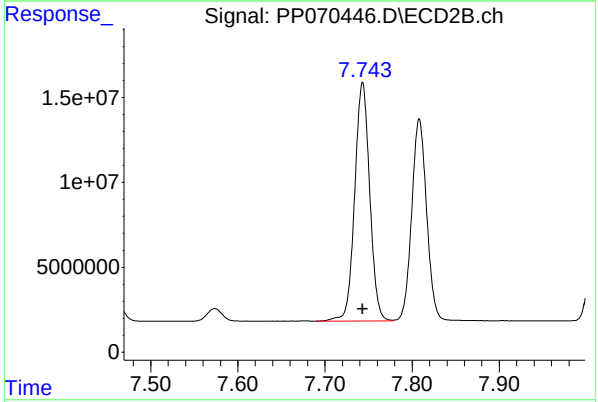
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 163211603
Conc: 93.68 ng/ml




#41 AR-1268-1

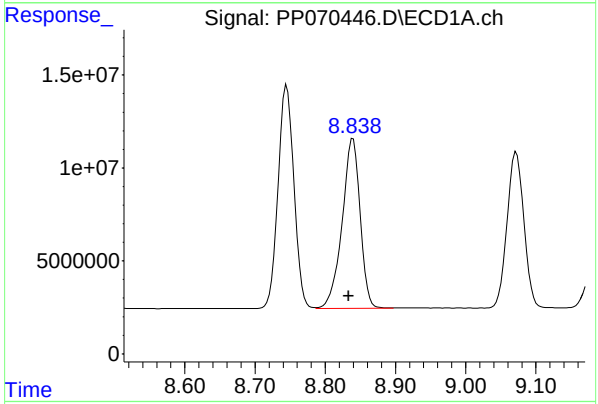
R.T.: 8.745 min
Delta R.T.: 0.006 min
Response: 188529701
Conc: 935.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



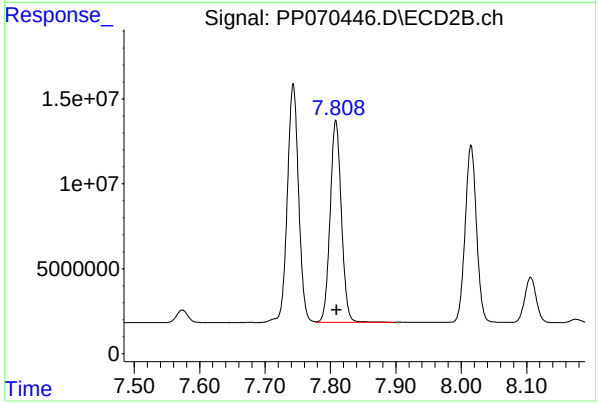

#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 168373725
Conc: 940.39 ng/ml



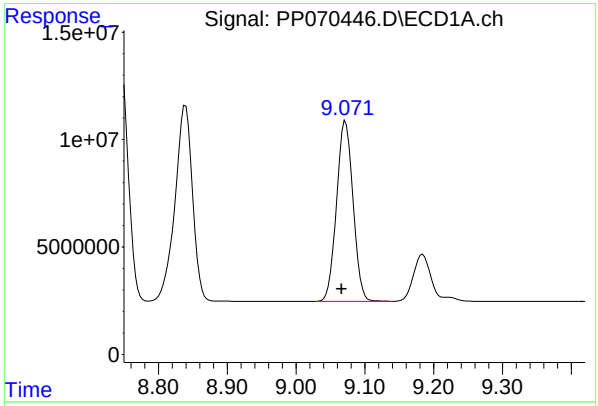

#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.006 min
Response: 162712211
Conc: 939.40 ng/ml




#42 AR-1268-2

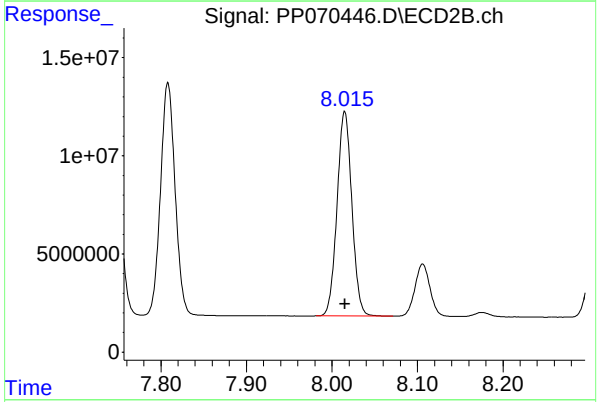
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 142006892
Conc: 947.71 ng/ml




#43 AR-1268-3

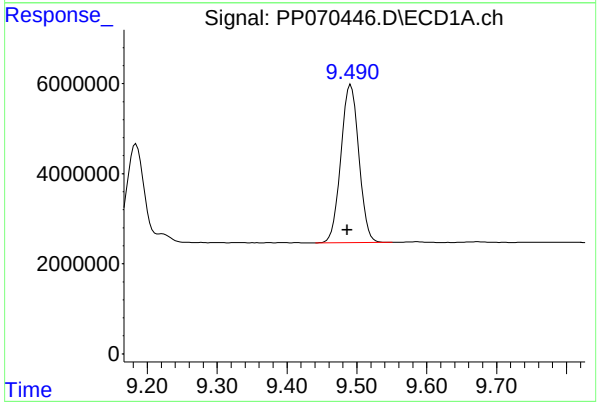
R.T.: 9.072 min
Delta R.T.: 0.006 min
Response: 139964894
Conc: 934.12 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



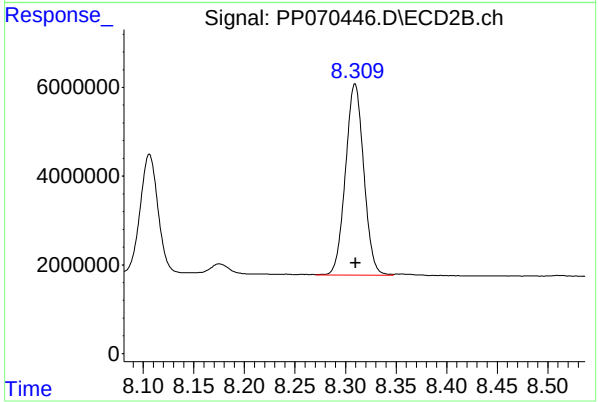

#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 125351560
Conc: 967.49 ng/ml



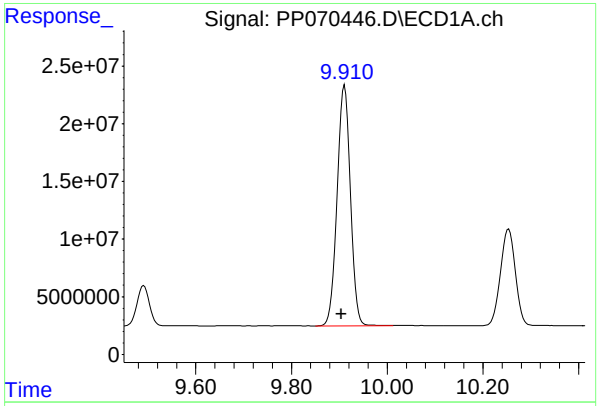

#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 62601215
Conc: 945.97 ng/ml




#44 AR-1268-4

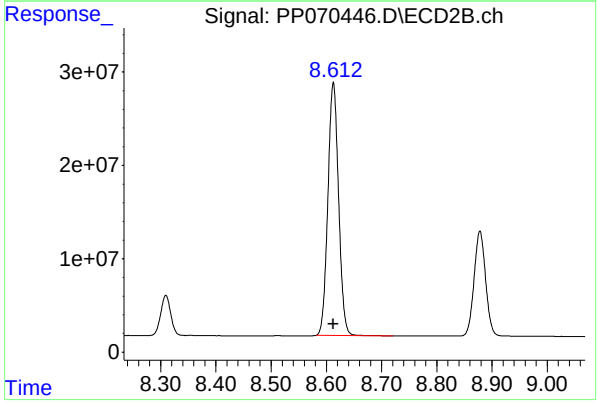
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 54287293
Conc: 955.60 ng/ml




#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.007 mi
Response: 401160937
Conc: 947.85 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000




#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 364151928
Conc: 962.57 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
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: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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... | 4.525 | 3.828 | 116.7E6 | 77586720 | 71.014 | 70.350 |
| 2) | SA Decachlor... | 10.250 | 8.879 | 138.1E6 | 124.4E6 | 71.630 | 71.383 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.742 | 7.744 | 143.6E6 | 124.5E6 | 712.768 | 695.587 |
| 42) | L9 AR-1268-2 | 8.836 | 7.809 | 124.1E6 | 105.1E6 | 716.292 | 701.198 |
| 43) | L9 AR-1268-3 | 9.069 | 8.016 | 107.0E6 | 90348904 | 713.888 | 697.329 |
| 44) | L9 AR-1268-4 | 9.489 | 8.309 | 47447237 | 39925484 | 716.974 | 702.792 |
| 45) | L9 AR-1268-5 | 9.908 | 8.614 | 305.7E6 | 271.7E6 | 722.384 | 718.128 |

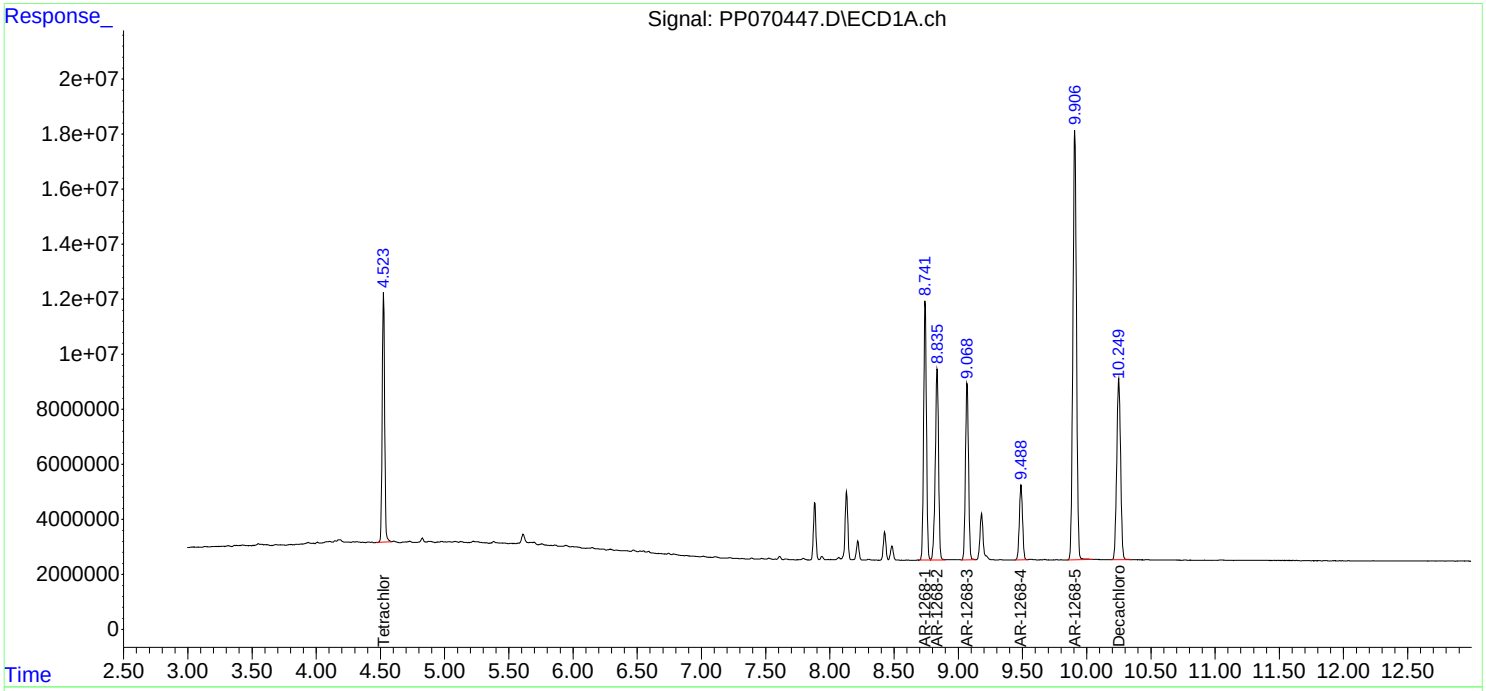
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

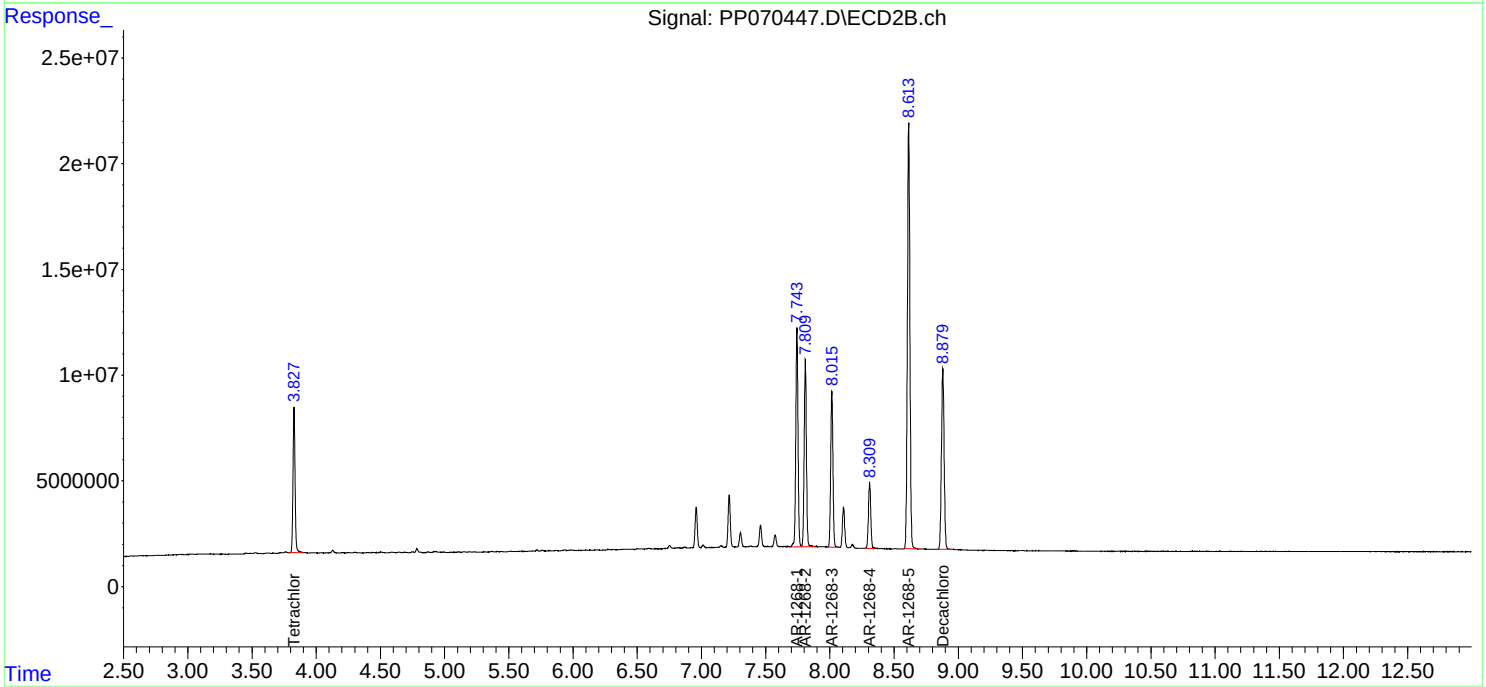
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070447.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 22:49
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 31 Sample Multiplier: 1

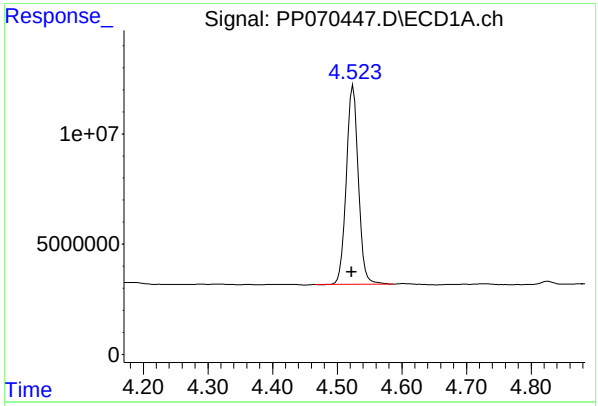
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



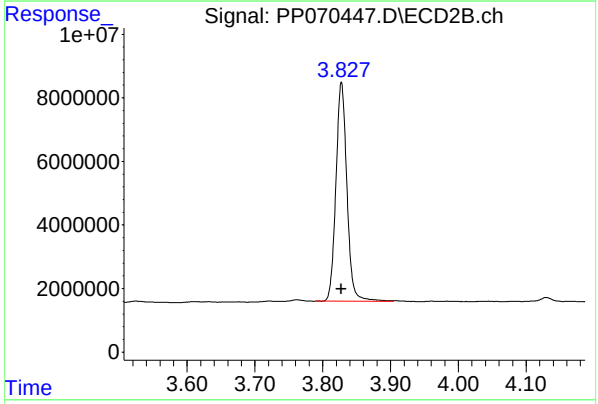






#1 Tetrachloro-m-xylene

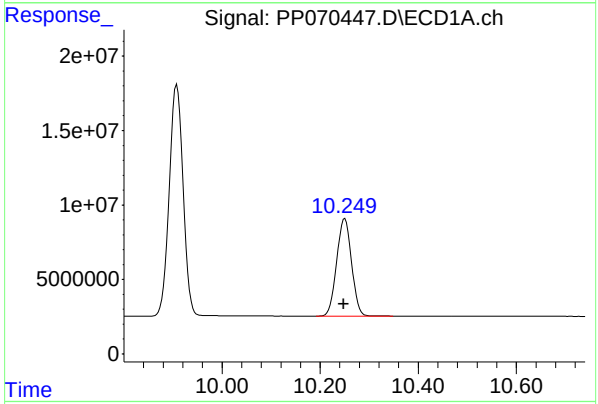
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 116749803
Conc: 71.01 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



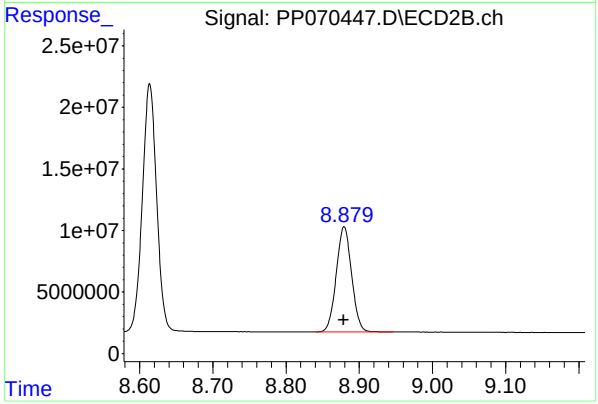

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 77586720
Conc: 70.35 ng/ml



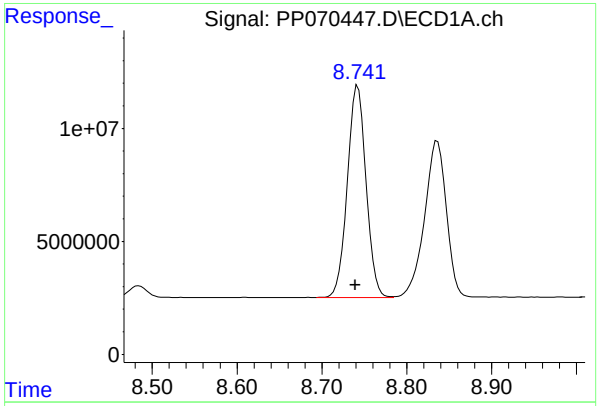

#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 138141204
Conc: 71.63 ng/ml




#2 Decachlorobiphenyl

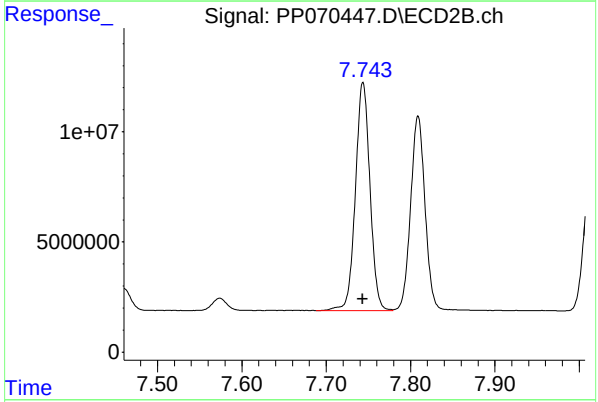
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 124371034
Conc: 71.38 ng/ml




#41 AR-1268-1

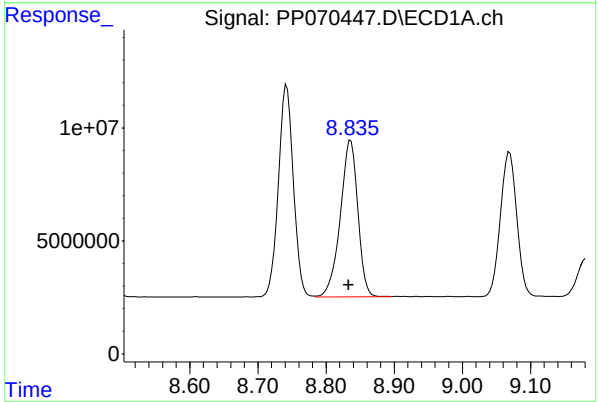
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 143620217
Conc: 712.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



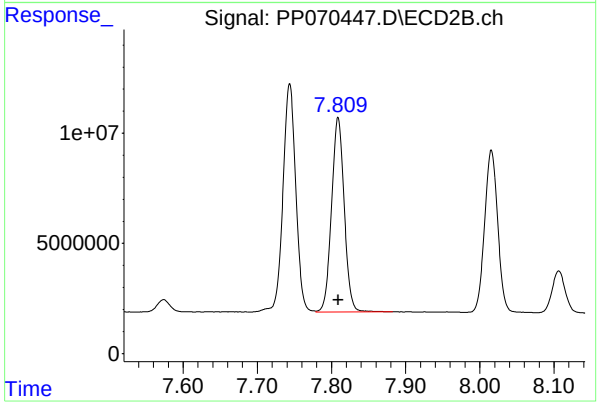

#41 AR-1268-1

R.T.: 7.744 min
Delta R.T.: 0.000 min
Response: 124542867
Conc: 695.59 ng/ml



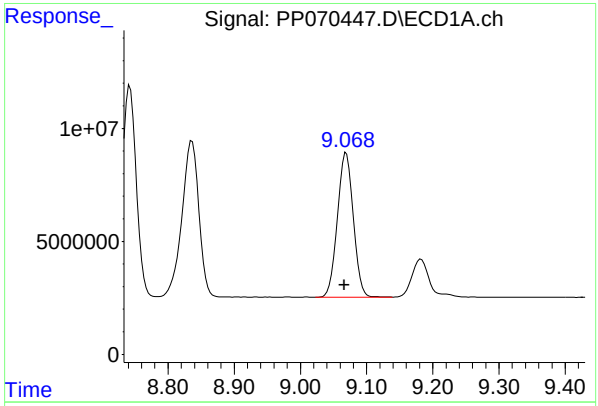

#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.003 min
Response: 124067871
Conc: 716.29 ng/ml




#42 AR-1268-2

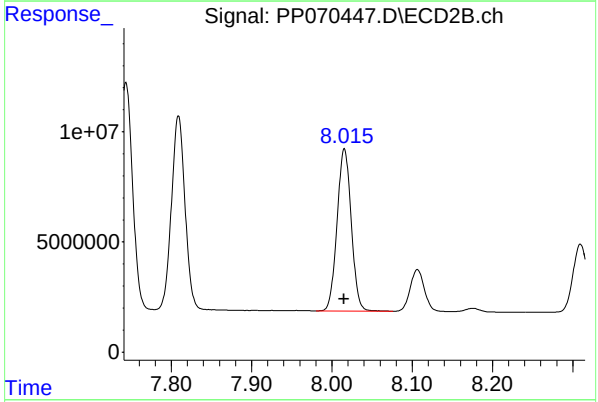
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 105069147
Conc: 701.20 ng/ml




#43 AR-1268-3

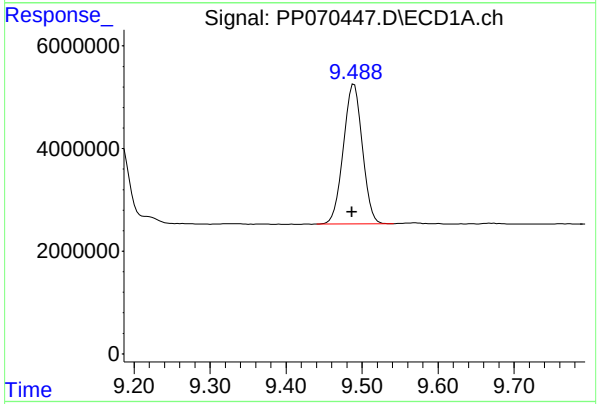
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 106965737
Conc: 713.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



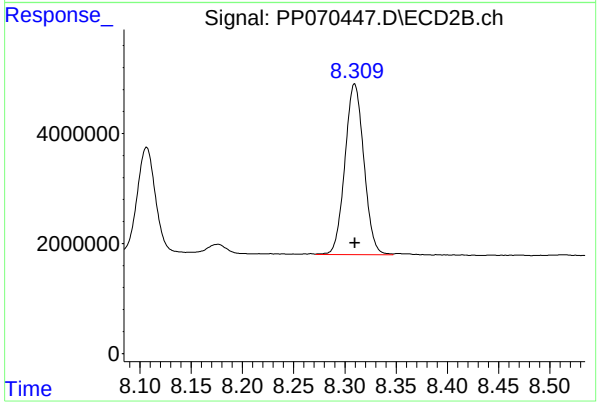

#43 AR-1268-3

R.T.: 8.016 min
Delta R.T.: 0.000 min
Response: 90348904
Conc: 697.33 ng/ml



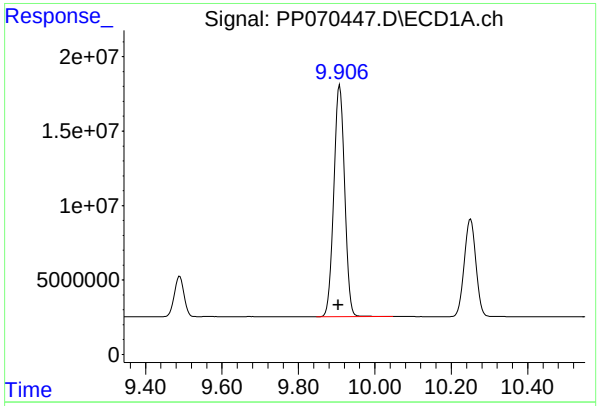

#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 47447237
Conc: 716.97 ng/ml




#44 AR-1268-4

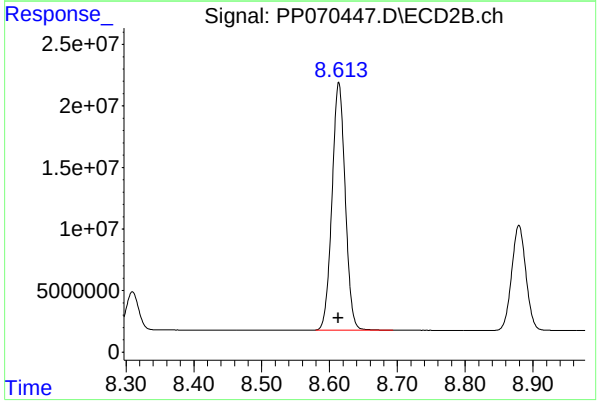
R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 39925484
Conc: 702.79 ng/ml




#45 AR-1268-5

R.T.: 9.908 min
Delta R.T.: 0.003 min
Response: 305735587
Conc: 722.38 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750




#45 AR-1268-5

R.T.: 8.614 min
Delta R.T.: 0.000 min
Response: 271677616
Conc: 718.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
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: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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... | 4.522 | 3.827 | 82202011 | 55143422 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.248 | 8.879 | 96427272 | 87115877 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.740 | 7.743 | 100.7E6 | 89523621 | 500.000 | 500.000 |
| 42) | L9 AR-1268-2 | 8.833 | 7.809 | 86604260 | 74921217 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.066 | 8.015 | 74917746 | 64782125 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.487 | 8.310 | 33088538 | 28404907 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.904 | 8.613 | 211.6E6 | 189.2E6 | 500.000 | 500.000 |

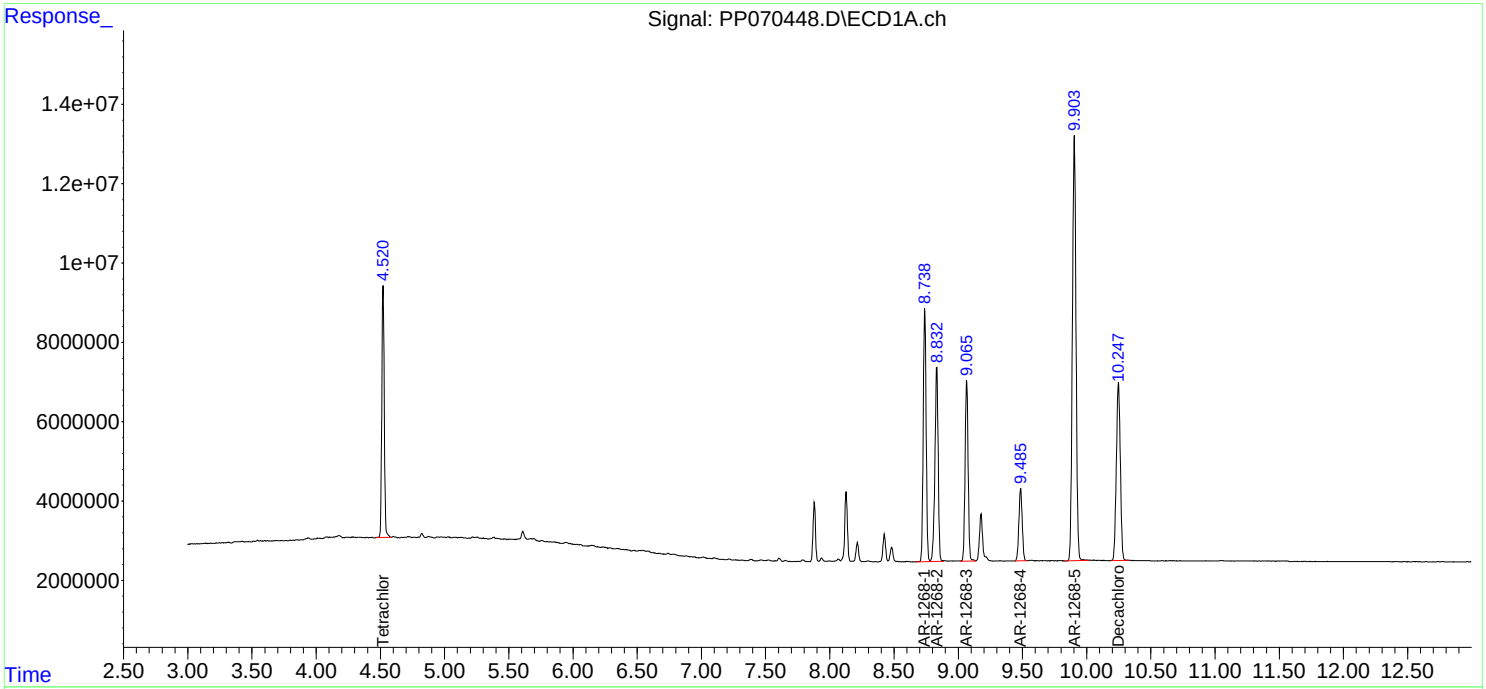
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

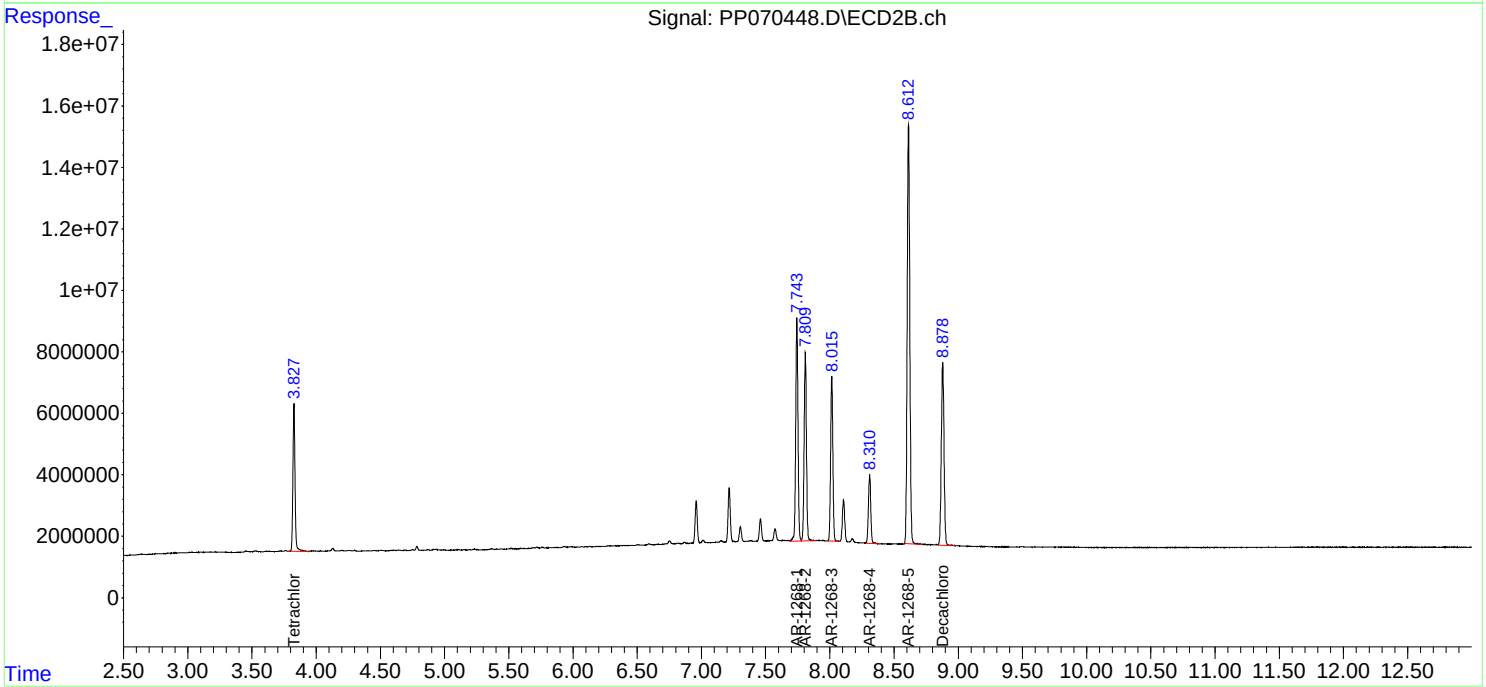
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070448.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:05
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 32 Sample Multiplier: 1

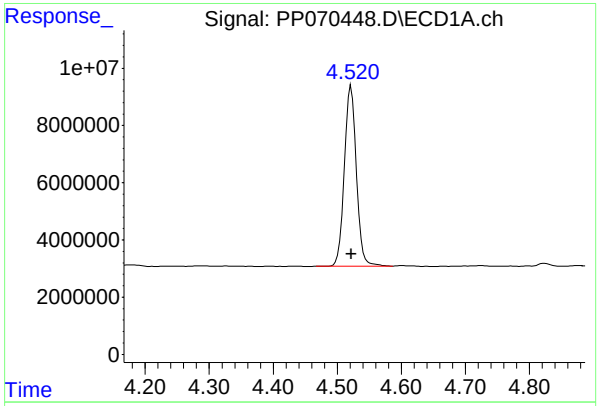
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



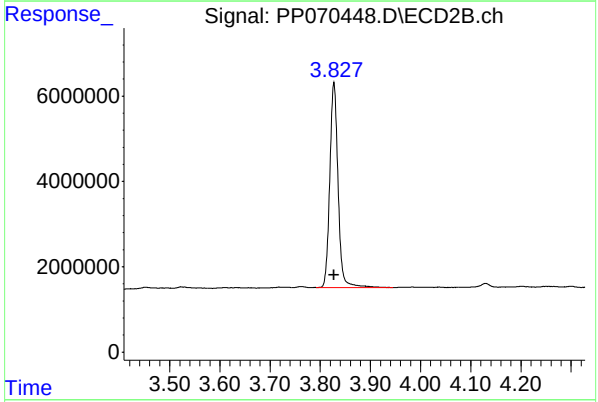






#1 Tetrachloro-m-xylene

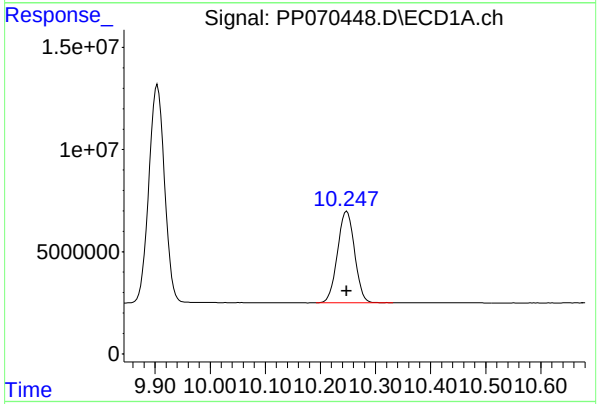
R.T.: 4.522 min
Delta R.T.: 0.000 min
Response: 82202011
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



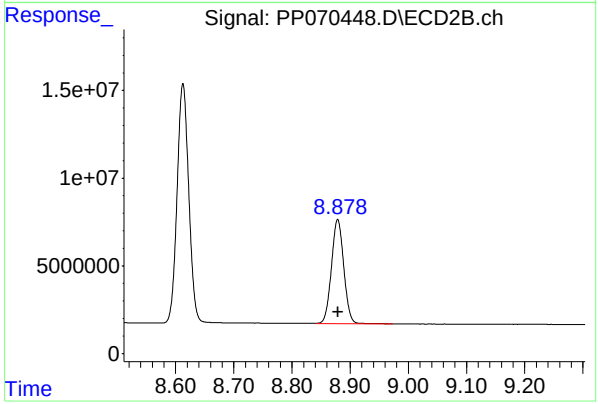

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 55143422
Conc: 50.00 ng/ml



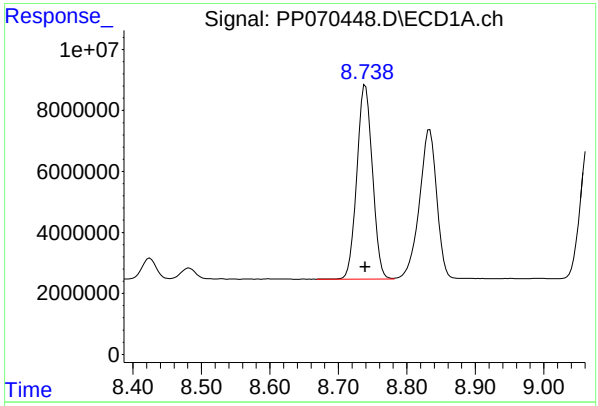

#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 96427272
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

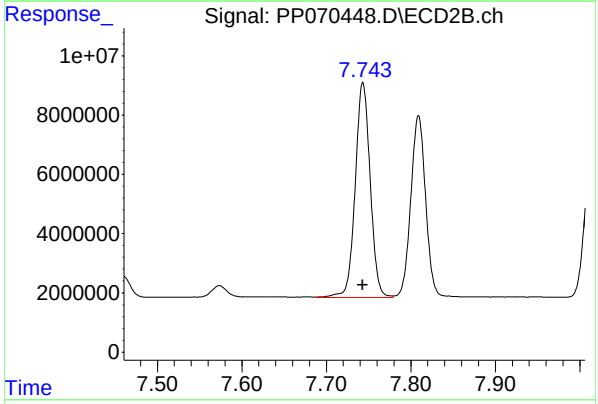
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 87115877
Conc: 50.00 ng/ml




#41 AR-1268-1

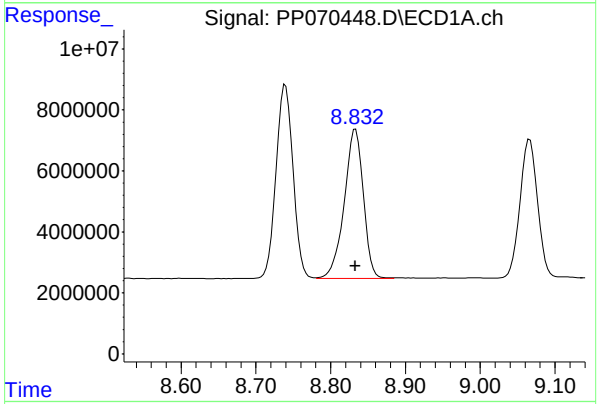
R.T.: 8.740 min
Delta R.T.: 0.000 min
Response: 100748213
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



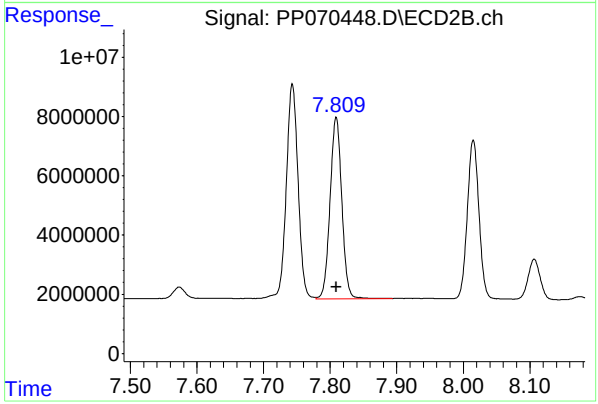

#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 89523621
Conc: 500.00 ng/ml



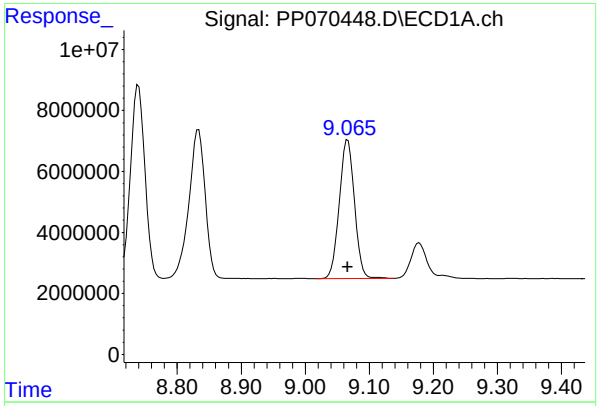

#42 AR-1268-2

R.T.: 8.833 min
Delta R.T.: 0.000 min
Response: 86604260
Conc: 500.00 ng/ml




#42 AR-1268-2

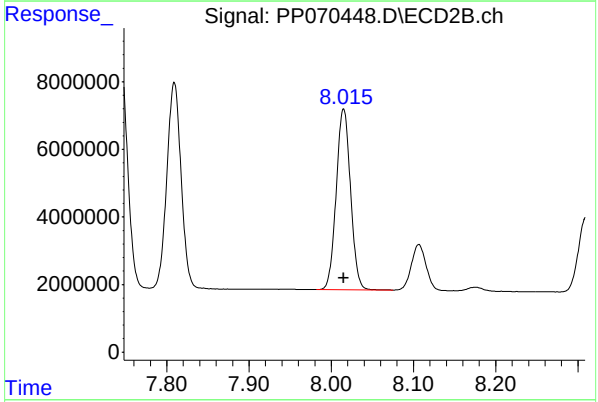
R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 74921217
Conc: 500.00 ng/ml




#43 AR-1268-3

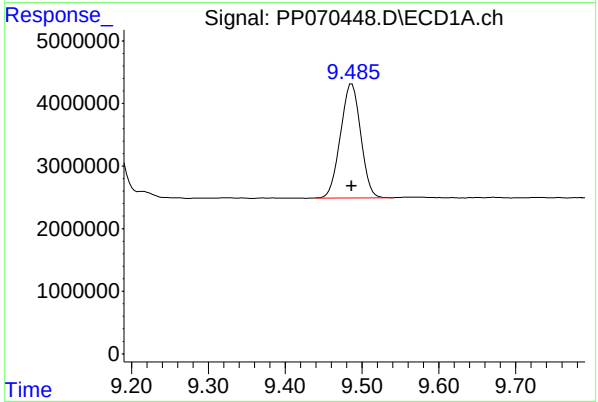
R.T.: 9.066 min
Delta R.T.: 0.000 min
Response: 74917746
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



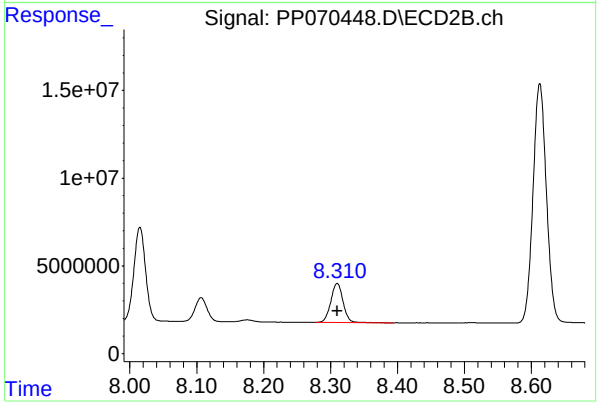

#43 AR-1268-3

R.T.: 8.015 min
Delta R.T.: 0.000 min
Response: 64782125
Conc: 500.00 ng/ml



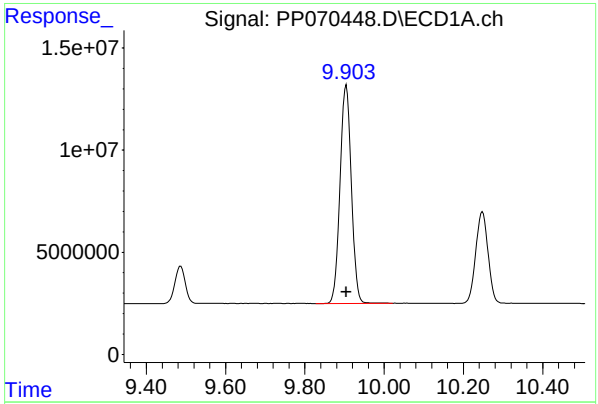

#44 AR-1268-4

R.T.: 9.487 min
Delta R.T.: 0.000 min
Response: 33088538
Conc: 500.00 ng/ml




#44 AR-1268-4

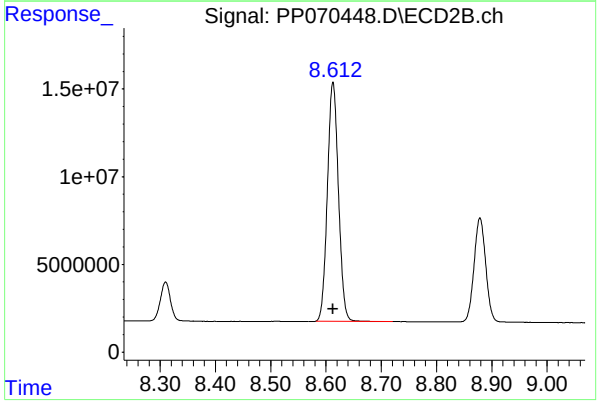
R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 28404907
Conc: 500.00 ng/ml




#45 AR-1268-5

R.T.: 9.904 min
Delta R.T.: 0.000 min
Response: 211615812
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500




#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 189156722
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
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: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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... | 4.523 | 3.826 | 42716878 | 29621715 | 25.983 | 26.859 |
| 2) | SA Decachlor... | 10.248 | 8.877 | 50455822 | 45920300 | 26.163 | 26.356 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.741 | 7.742 | 52769831 | 46752818 | 261.890 | 261.120 |
| 42) | L9 AR-1268-2 | 8.834 | 7.808 | 45106498 | 38372677 | 260.417 | 256.087 |
| 43) | L9 AR-1268-3 | 9.067 | 8.014 | 38921973 | 33274907 | 259.765 | 256.822 |
| 44) | L9 AR-1268-4 | 9.486 | 8.308 | 16901246 | 14619988 | 255.394 | 257.350 |
| 45) | L9 AR-1268-5 | 9.905 | 8.612 | 110.8E6 | 95223241 | 261.876 | 251.705 |

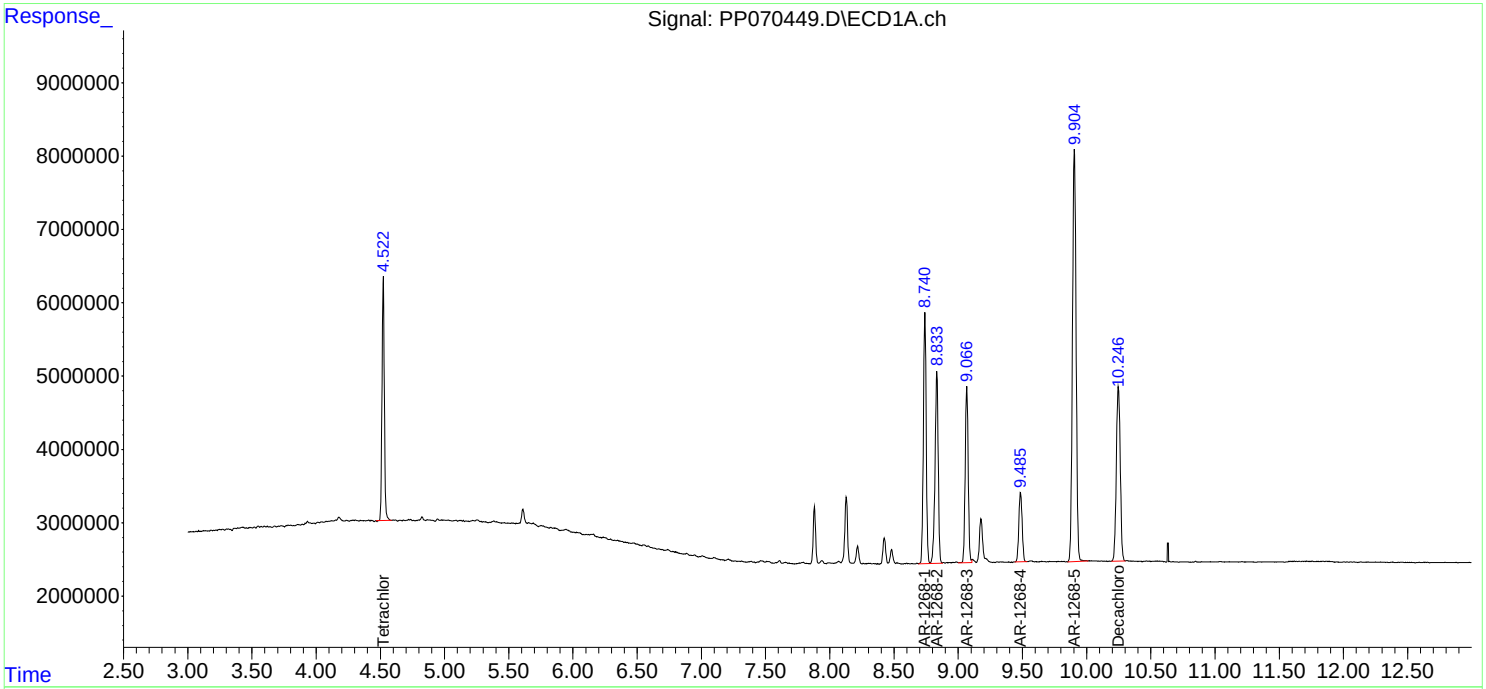
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

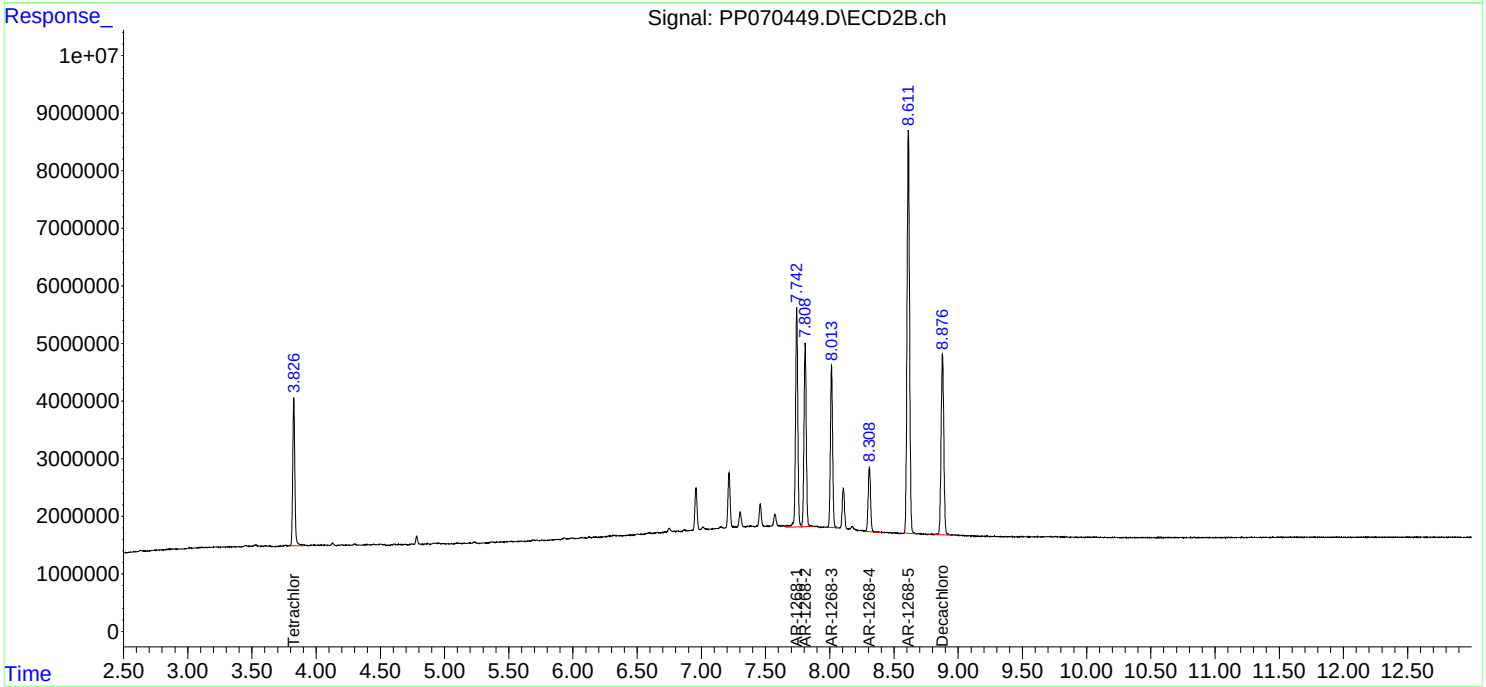
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070449.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:22
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 33 Sample Multiplier: 1

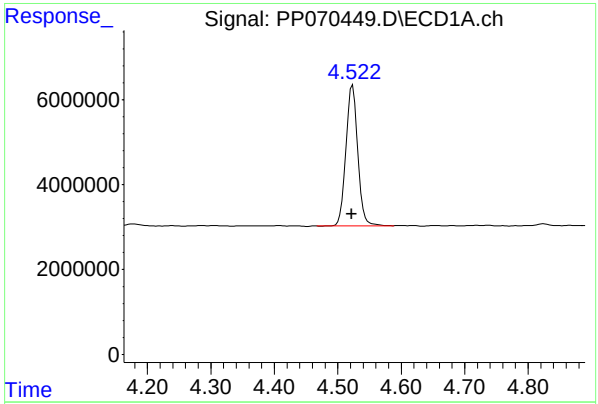
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:51:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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



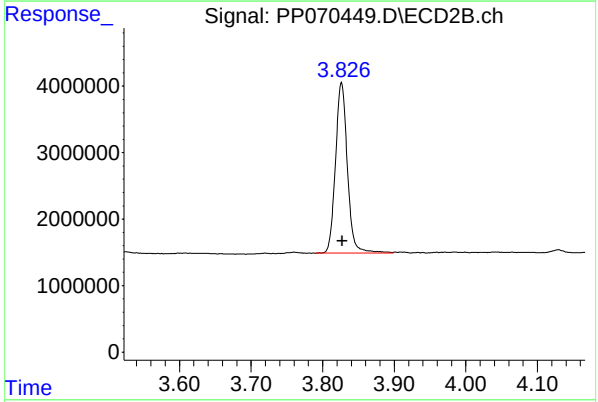






#1 Tetrachloro-m-xylene

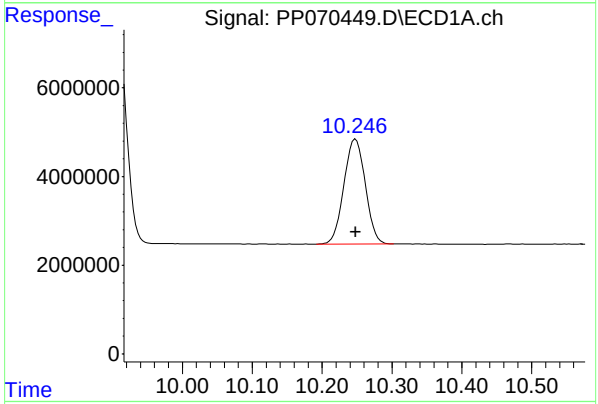
R.T.: 4.523 min
Delta R.T.: 0.001 min
Response: 42716878
Conc: 25.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



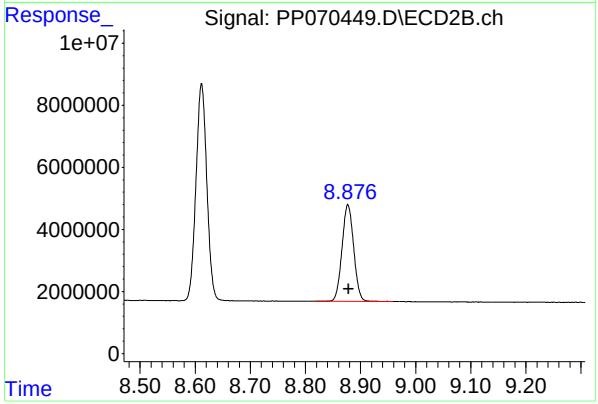

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.001 min
Response: 29621715
Conc: 26.86 ng/ml



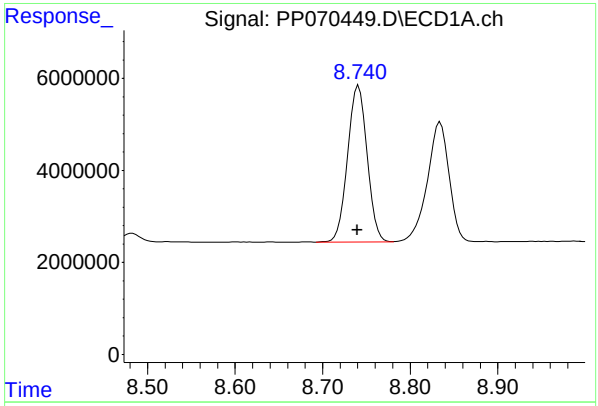

#2 Decachlorobiphenyl

R.T.: 10.248 min
Delta R.T.: 0.000 min
Response: 50455822
Conc: 26.16 ng/ml




#2 Decachlorobiphenyl

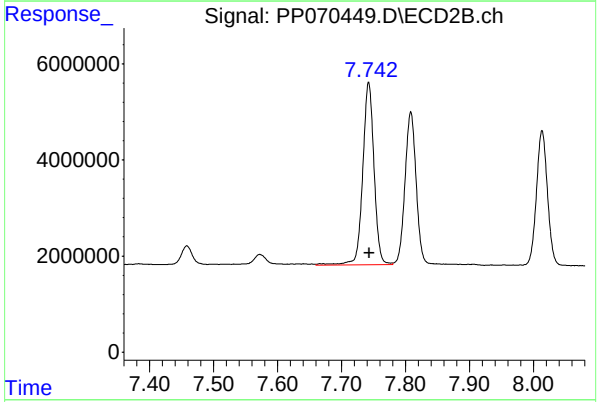
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 45920300
Conc: 26.36 ng/ml




#41 AR-1268-1

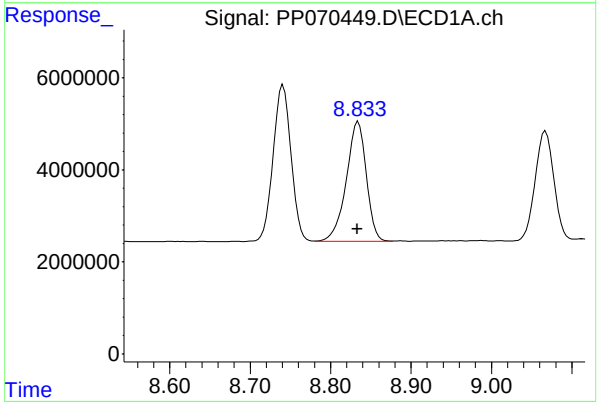
R.T.: 8.741 min
Delta R.T.: 0.002 min
Response: 52769831
Conc: 261.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



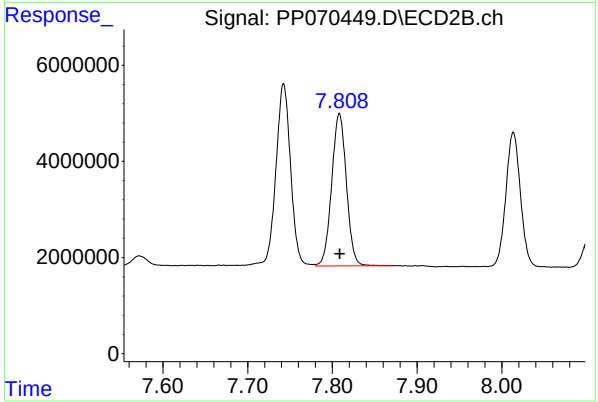

#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 46752818
Conc: 261.12 ng/ml



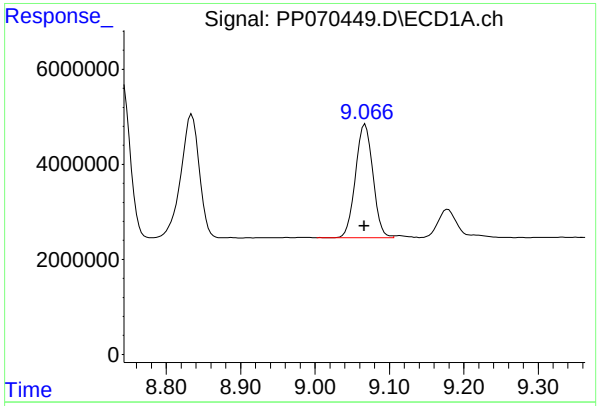

#42 AR-1268-2

R.T.: 8.834 min
Delta R.T.: 0.001 min
Response: 45106498
Conc: 260.42 ng/ml




#42 AR-1268-2

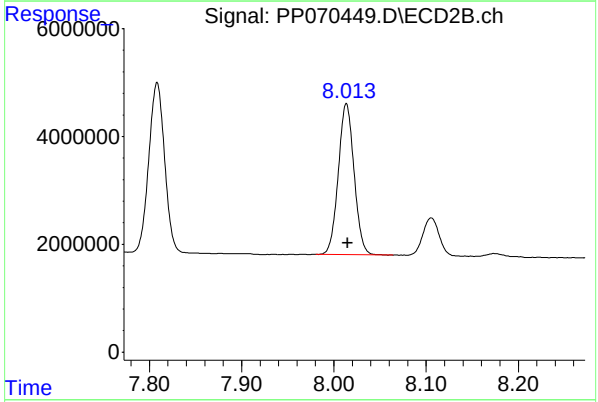
R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 38372677
Conc: 256.09 ng/ml




#43 AR-1268-3

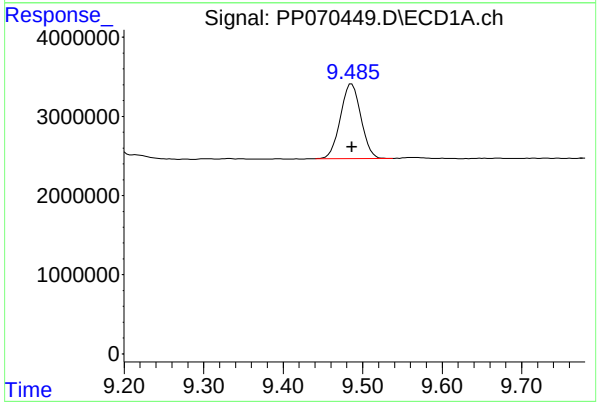
R.T.: 9.067 min
Delta R.T.: 0.001 min
Response: 38921973
Conc: 259.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



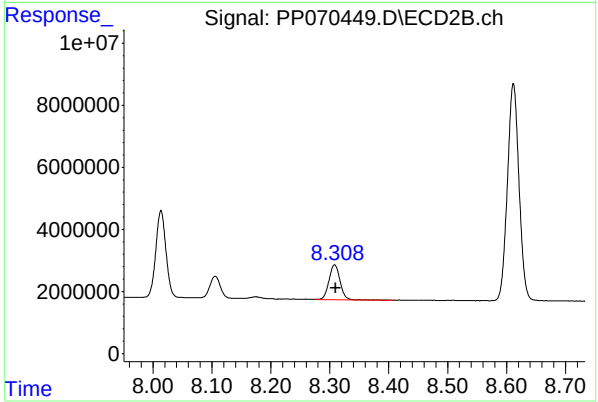

#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.002 min
Response: 33274907
Conc: 256.82 ng/ml



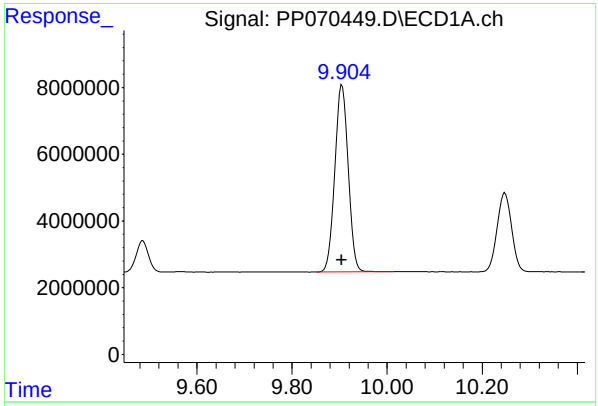

#44 AR-1268-4

R.T.: 9.486 min
Delta R.T.: 0.000 min
Response: 16901246
Conc: 255.39 ng/ml




#44 AR-1268-4

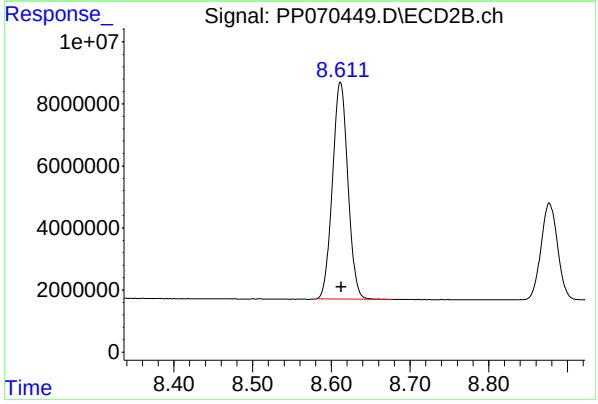
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 14619988
Conc: 257.35 ng/ml




#45 AR-1268-5

R.T.: 9.905 min
Delta R.T.: 0.000 mi
Response: 110834314
Conc: 261.88 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250




#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 95223241
Conc: 251.70 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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... | 4.528 | 3.828 | 8554411 | 5571543 | 5.289 | 5.133 |
| 2) | SA Decachlor... | 10.252 | 8.879 | 9326315 | 9031570 | 4.918 | 5.259 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.745 | 7.743 | 9919952 | 8743585 | 50.063 | 49.928m |
| 42) | L9 AR-1268-2 | 8.839 | 7.808 | 8340607 | 7243137 | 48.935 | 49.489m |
| 43) | L9 AR-1268-3 | 9.072 | 8.014 | 7178199 | 6658040 | 48.822 | 52.376m |
| 44) | L9 AR-1268-4 | 9.491 | 8.309 | 2987981 | 2604541 | 46.032 | 46.758 |
| 45) | L9 AR-1268-5 | 9.910 | 8.613 | 21070074 | 17728904 | 50.305 | 47.735 |

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

ICAL Form

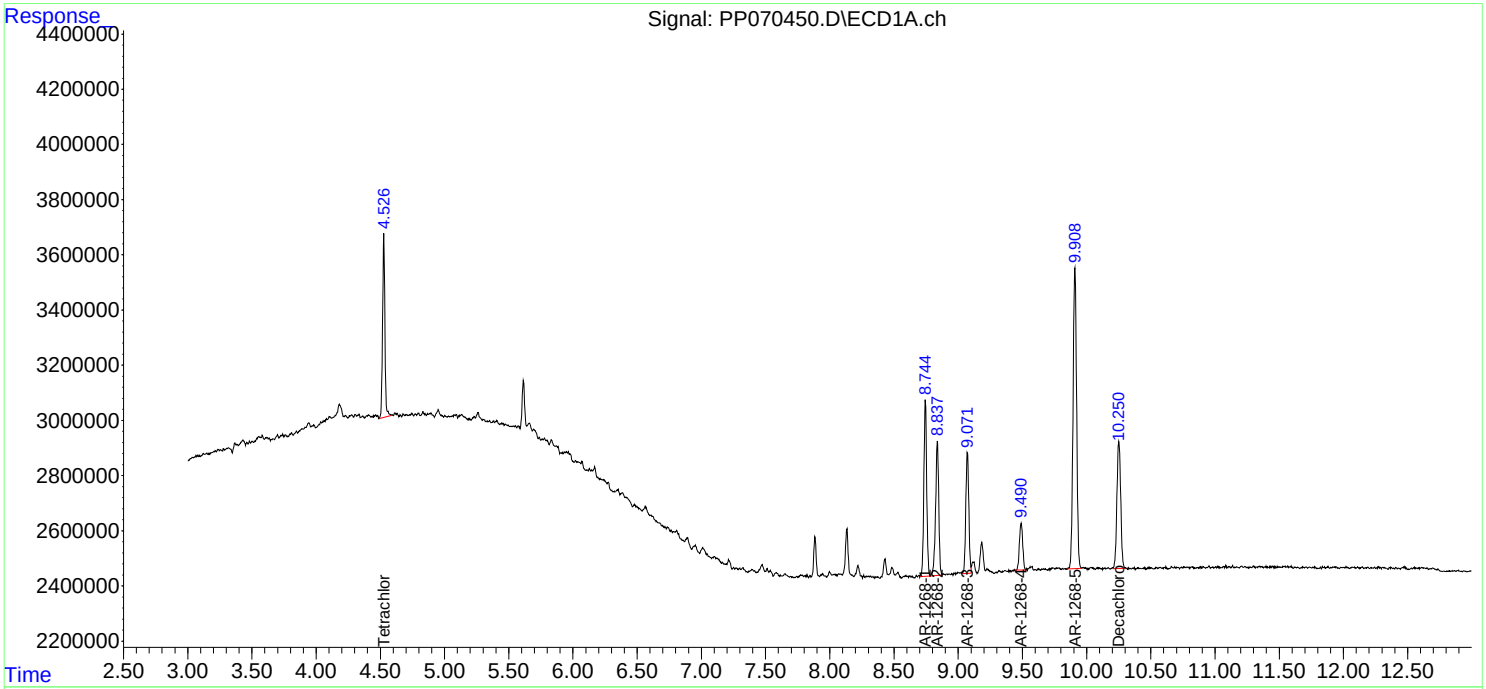
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070450.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:38
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 34 Sample Multiplier: 1

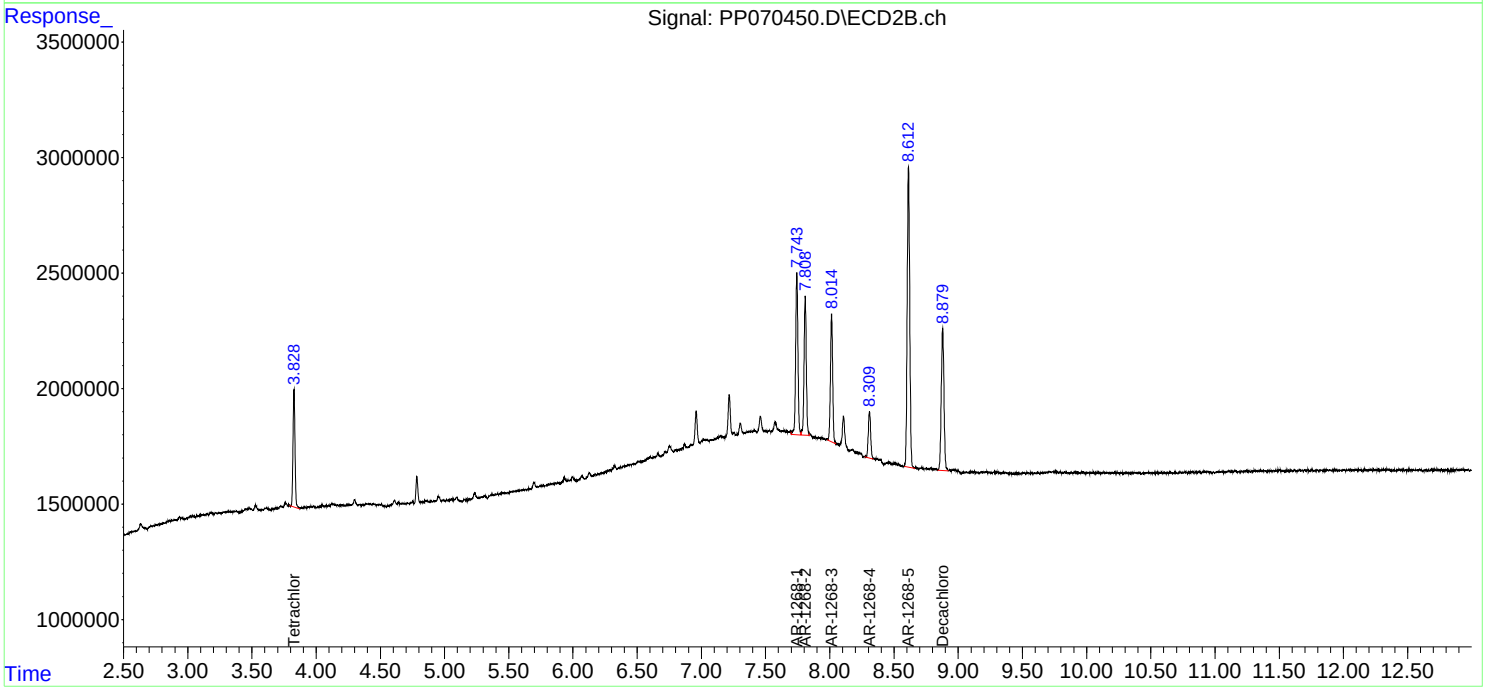
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

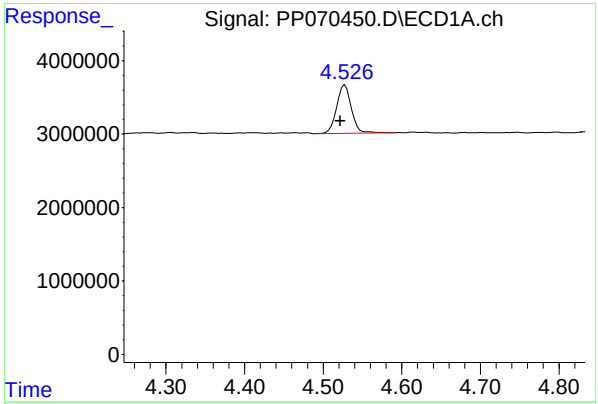
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 11 23:57:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 11 23:28:39 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





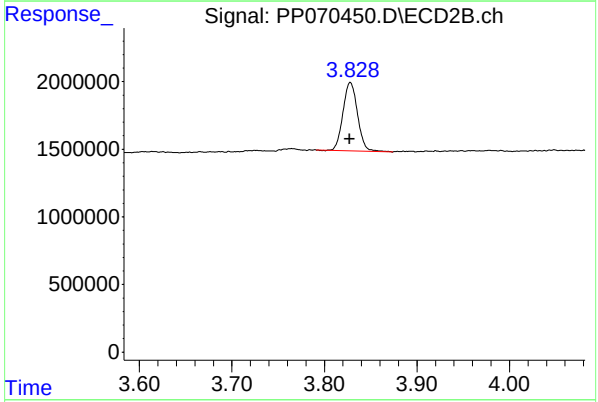

#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.006 min
Response: 8554411
Conc: 5.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

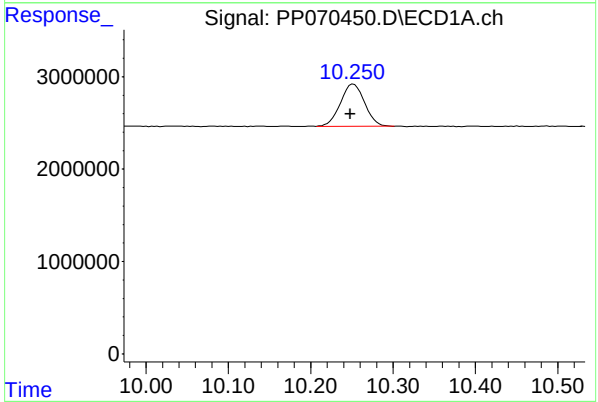
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



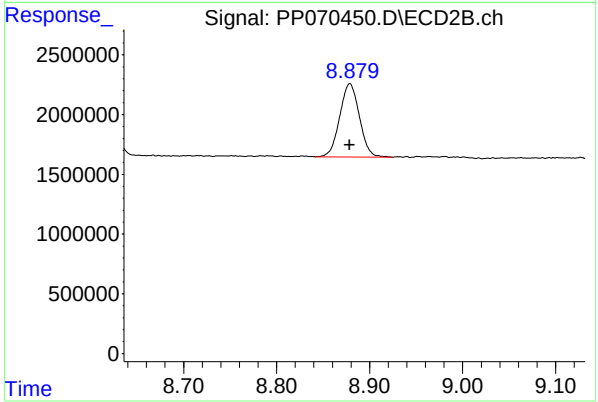

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 5571543
Conc: 5.13 ng/ml



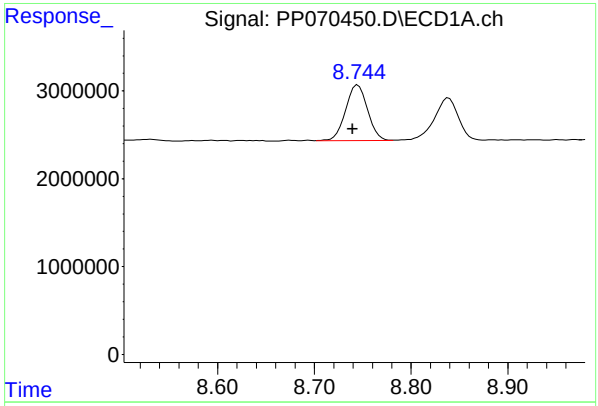

#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.004 min
Response: 9326315
Conc: 4.92 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 9031570
Conc: 5.26 ng/ml



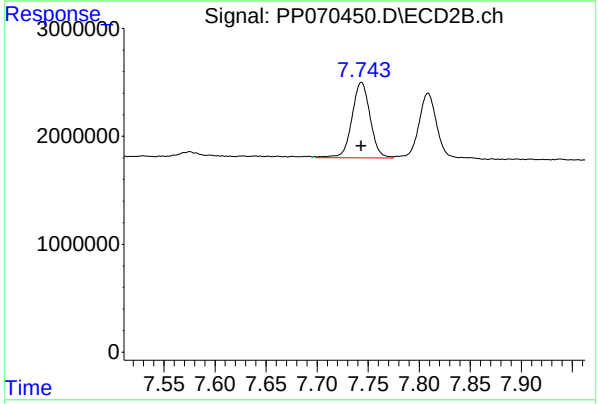

#41 AR-1268-1

R.T.: 8.745 min
Delta R.T.: 0.005 mi
Response: 9919952
Conc: 50.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

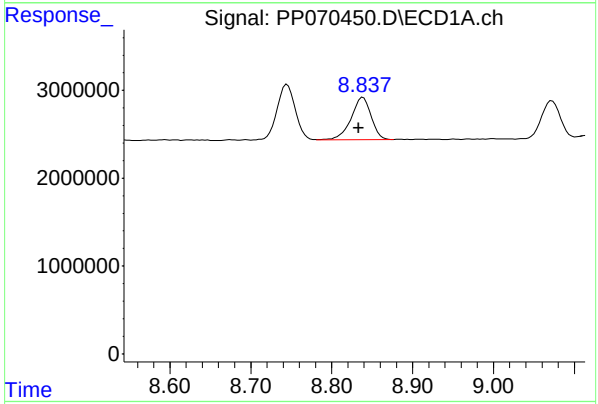
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



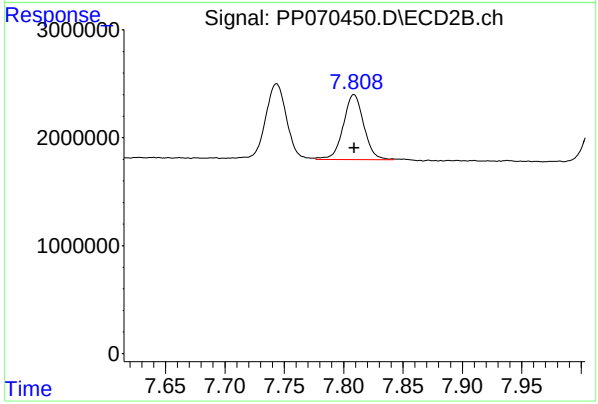

#41 AR-1268-1

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 8743585
Conc: 49.93 ng/ml m



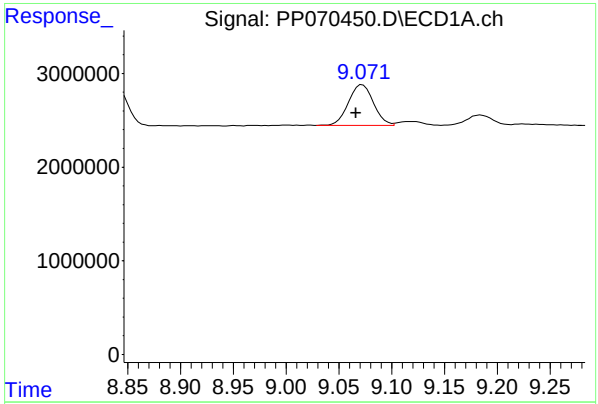

#42 AR-1268-2

R.T.: 8.839 min
Delta R.T.: 0.005 min
Response: 8340607
Conc: 48.93 ng/ml




#42 AR-1268-2

R.T.: 7.808 min
Delta R.T.: 0.000 min
Response: 7243137
Conc: 49.49 ng/ml m



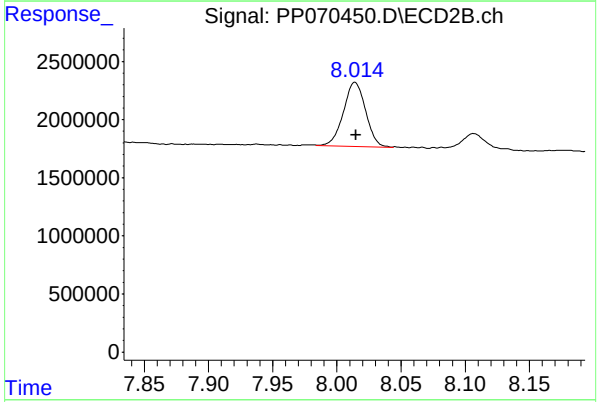

#43 AR-1268-3

R.T.: 9.072 min
Delta R.T.: 0.006 mi
Response: 7178199
Conc: 48.82 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

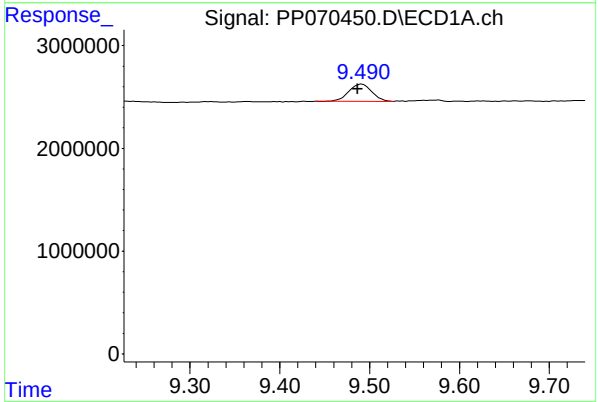
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



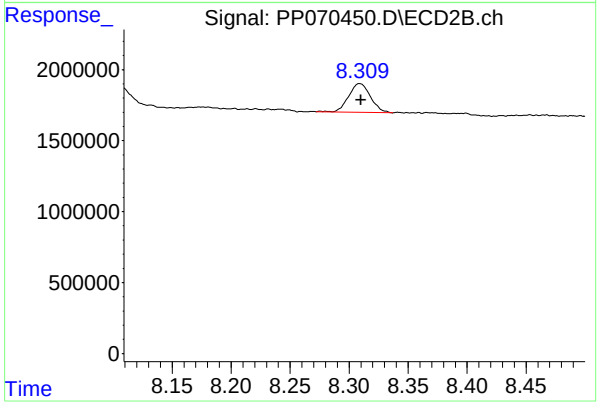

#43 AR-1268-3

R.T.: 8.014 min
Delta R.T.: -0.001 min
Response: 6658040
Conc: 52.38 ng/ml m



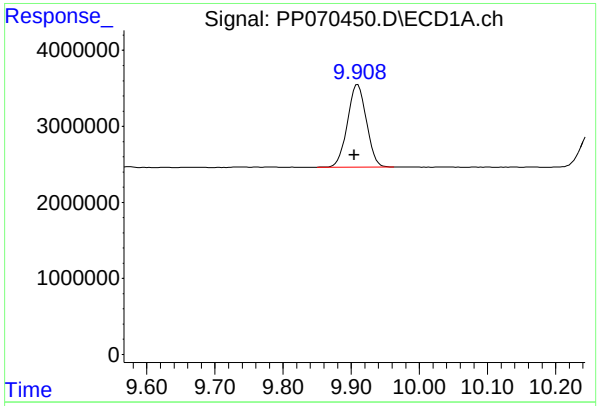

#44 AR-1268-4

R.T.: 9.491 min
Delta R.T.: 0.005 min
Response: 2987981
Conc: 46.03 ng/ml




#44 AR-1268-4

R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 2604541
Conc: 46.76 ng/ml



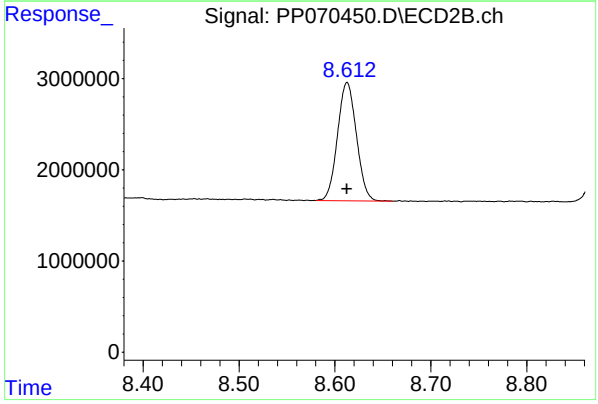

#45 AR-1268-5

R.T.: 9.910 min
Delta R.T.: 0.005 mi
Response: 21070074
Conc: 50.31 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025




#45 AR-1268-5

R.T.: 8.613 min
Delta R.T.: 0.000 min
Response: 17728904
Conc: 47.74 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 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... | 4.523 | 3.827 | 81467484 | 52091643 | 52.378 | 51.973 |
| 2) | SA Decachlor... | 10.249 | 8.877 | 57030864 | 51101188 | 53.684 | 52.231 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.675 | 4.914 | 26763573 | 18466483 | 516.161 | 513.635 |
| 4) | L1 AR-1016-2 | 5.697 | 4.933 | 39150950 | 25663697 | 547.223 | 493.849 |
| 5) | L1 AR-1016-3 | 5.760 | 5.111 | 24376753 | 14439904 | 535.307 | 507.493 |
| 6) | L1 AR-1016-4 | 5.857 | 5.152 | 20068166 | 11515792 | 514.070 | 514.330 |
| 7) | L1 AR-1016-5 | 6.150 | 5.367 | 18221356 | 14760415 | 526.294 | 496.668 |
| 31) | L7 AR-1260-1 | 7.269 | 6.404 | 31459138 | 25772586 | 535.582 | 517.684 |
| 32) | L7 AR-1260-2 | 7.523 | 6.592 | 43093099 | 34068219 | 525.250 | 515.502 |
| 33) | L7 AR-1260-3 | 7.882 | 6.746 | 35379890 | 29455426 | 538.034 | 514.979 |
| 34) | L7 AR-1260-4 | 8.106 | 7.218 | 34778399 | 26486148 | 532.246 | 517.676 |
| 35) | L7 AR-1260-5 | 8.427 | 7.460 | 73694362 | 66685007 | 539.184 | 517.800 |

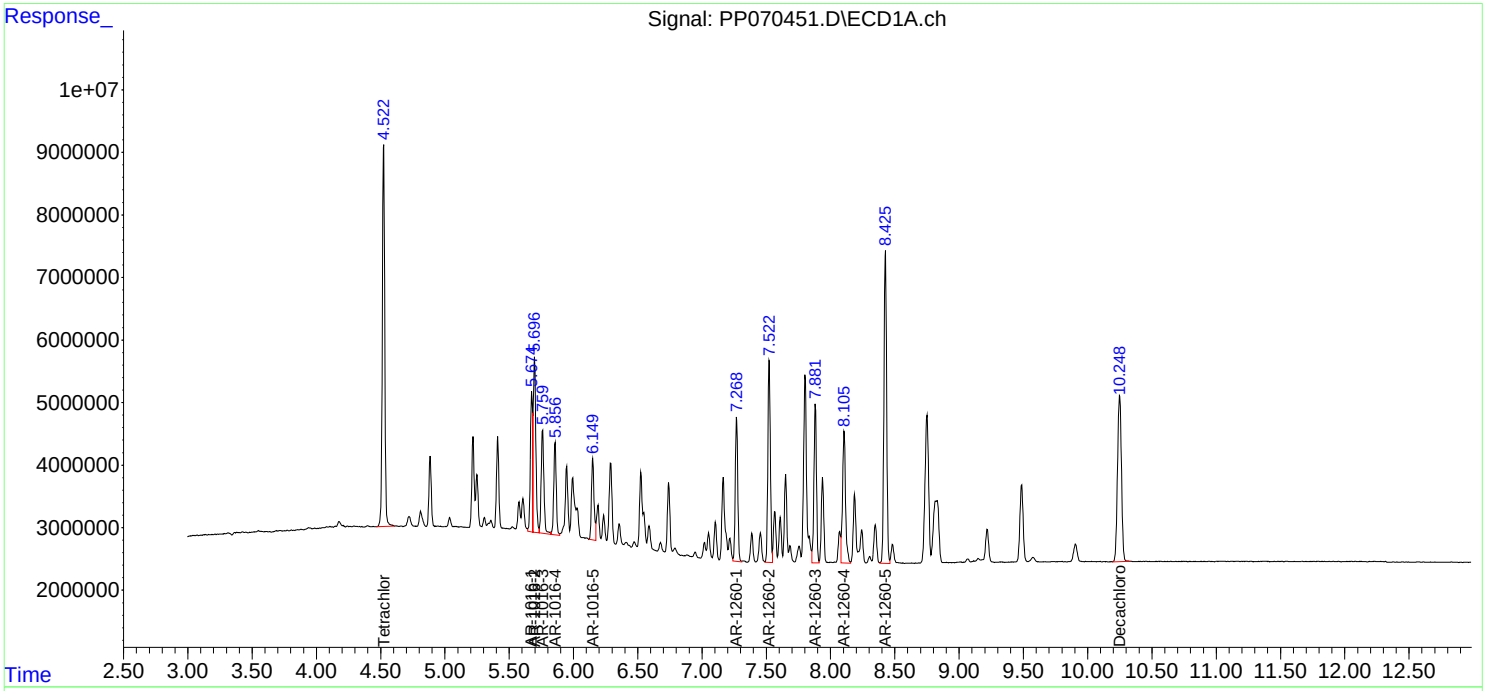
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

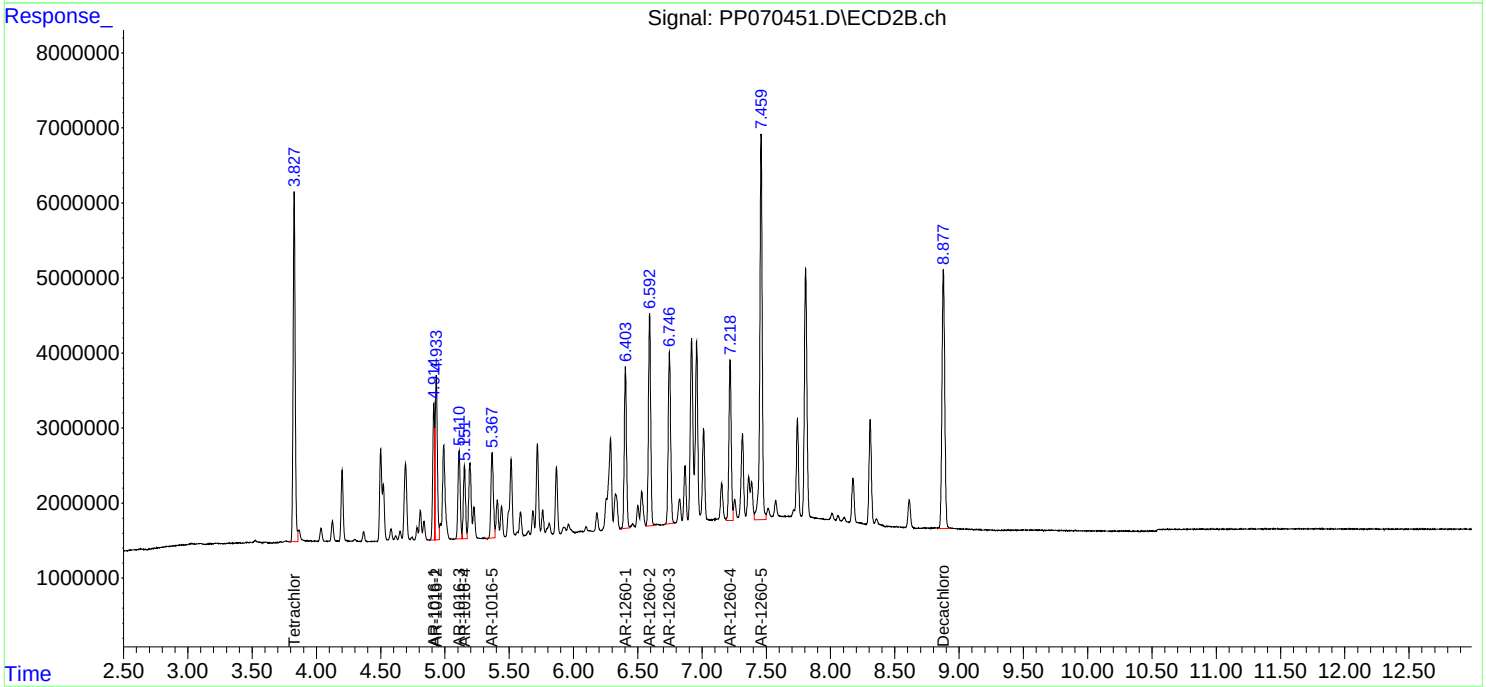
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070451.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 23:54
Operator : YP\AJ
Sample : PP031125ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

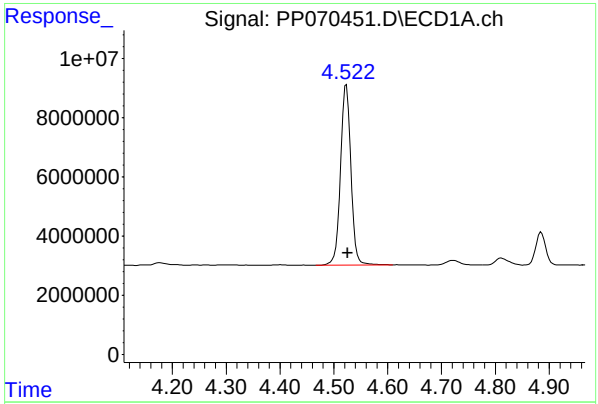
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 00:06:24 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



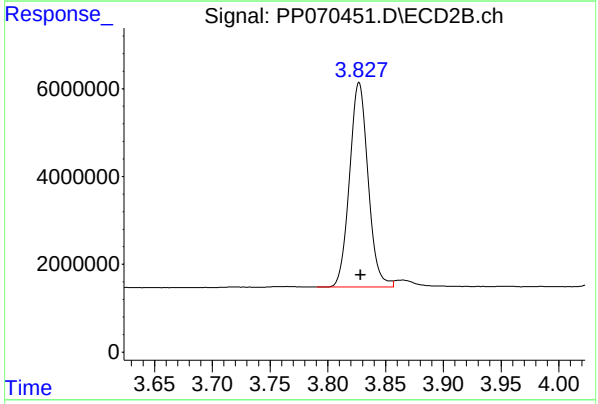






#1 Tetrachloro-m-xylene

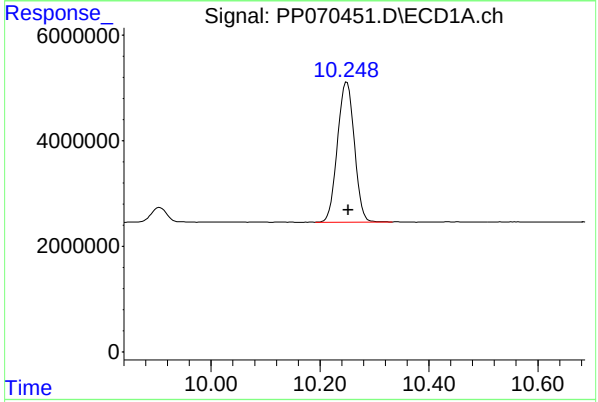
R.T.: 4.523 min
Delta R.T.: -0.003 mi
Response: 81467484
Conc: 52.38 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



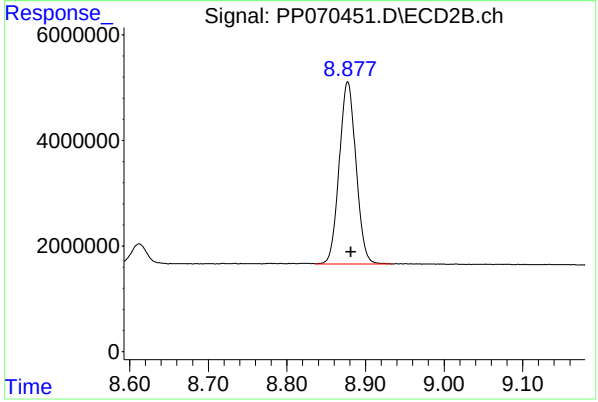

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.001 min
Response: 52091643
Conc: 51.97 ng/ml



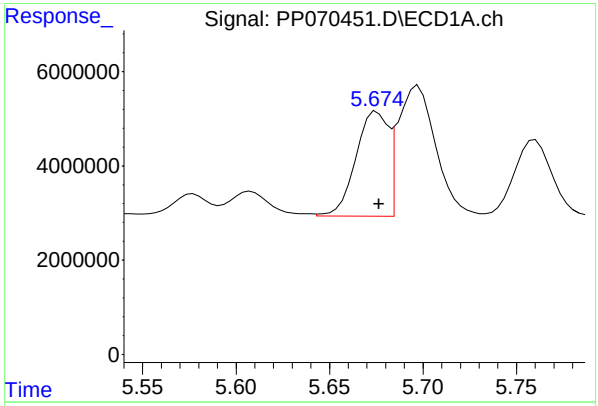

#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57030864
Conc: 53.68 ng/ml




#2 Decachlorobiphenyl

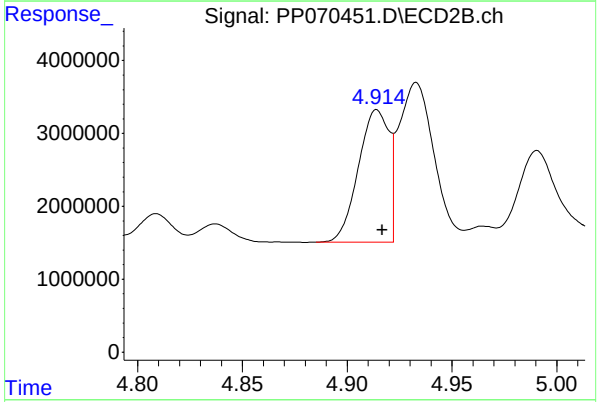
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 51101188
Conc: 52.23 ng/ml




#3 AR-1016-1

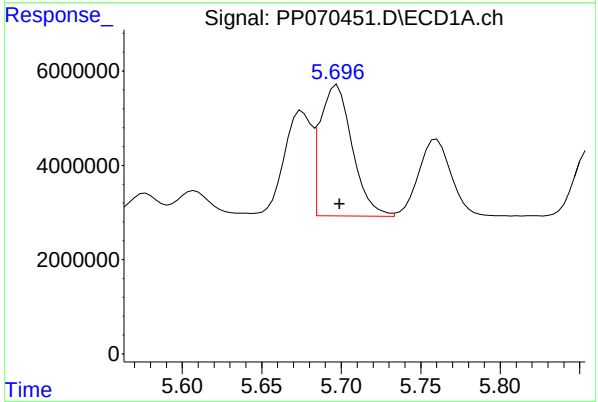
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 26763573
Conc: 516.16 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



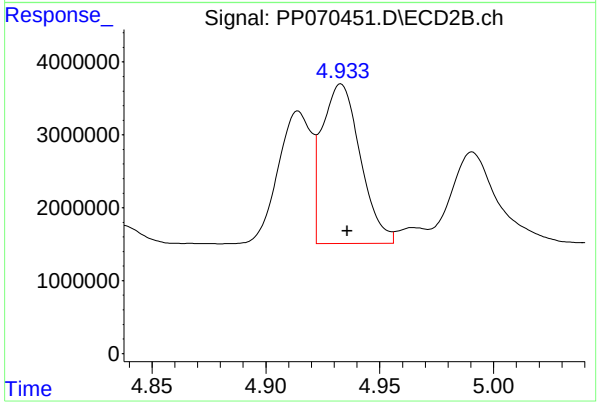

#3 AR-1016-1

R.T.: 4.914 min
Delta R.T.: -0.003 min
Response: 18466483
Conc: 513.64 ng/ml



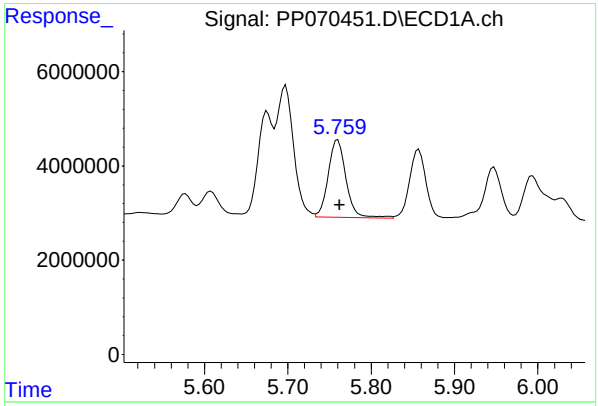

#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 39150950
Conc: 547.22 ng/ml




#4 AR-1016-2

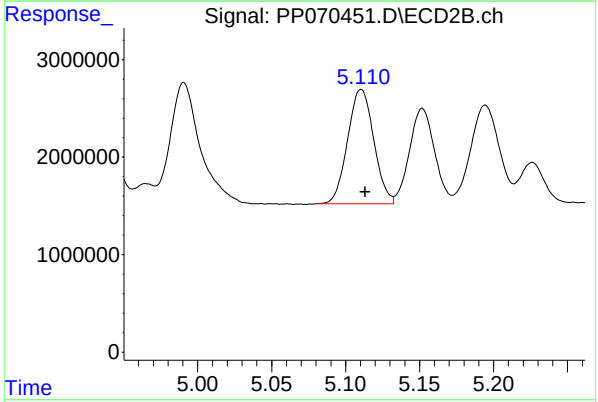
R.T.: 4.933 min
Delta R.T.: -0.003 min
Response: 25663697
Conc: 493.85 ng/ml




#5 AR-1016-3

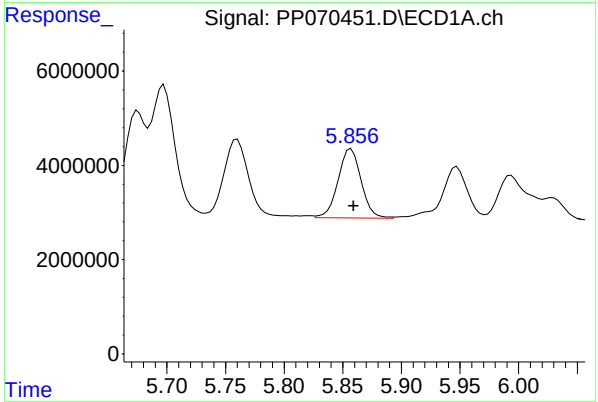
R.T.: 5.760 min
Delta R.T.: -0.002 mi
Response: 24376753
Conc: 535.31 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



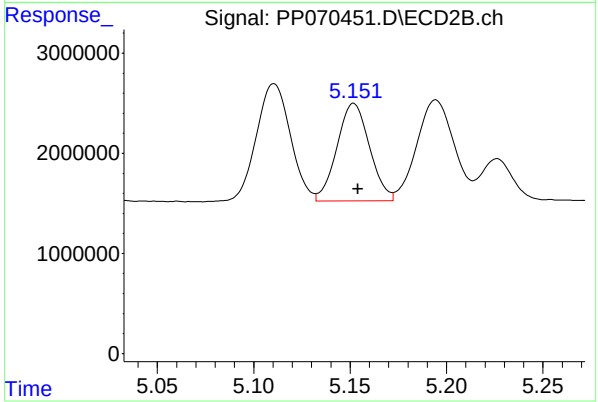

#5 AR-1016-3

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 14439904
Conc: 507.49 ng/ml



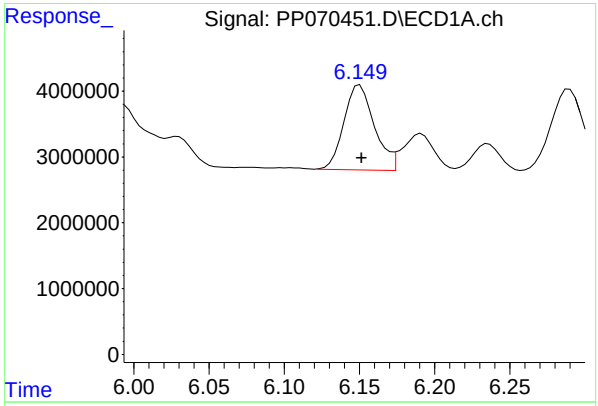

#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 20068166
Conc: 514.07 ng/ml




#6 AR-1016-4

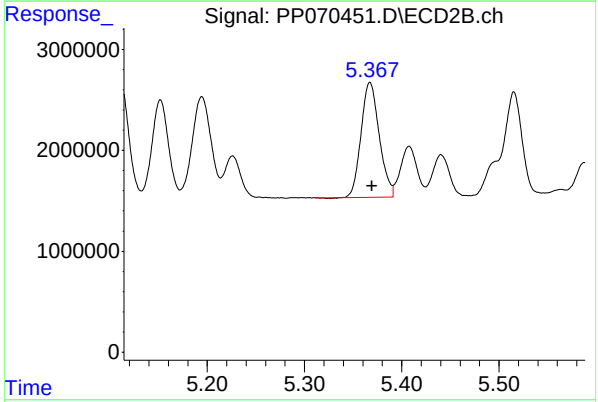
R.T.: 5.152 min
Delta R.T.: -0.002 min
Response: 11515792
Conc: 514.33 ng/ml




#7 AR-1016-5

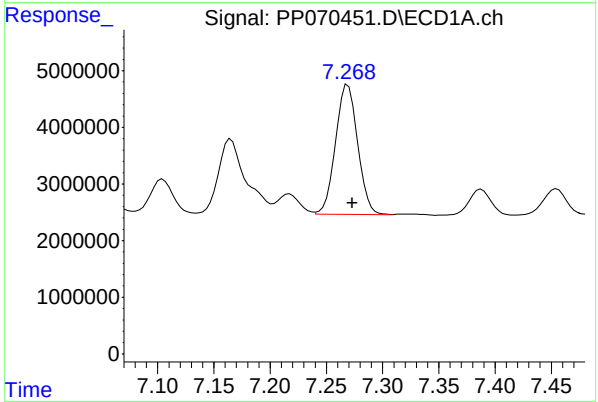
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 18221356
Conc: 526.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



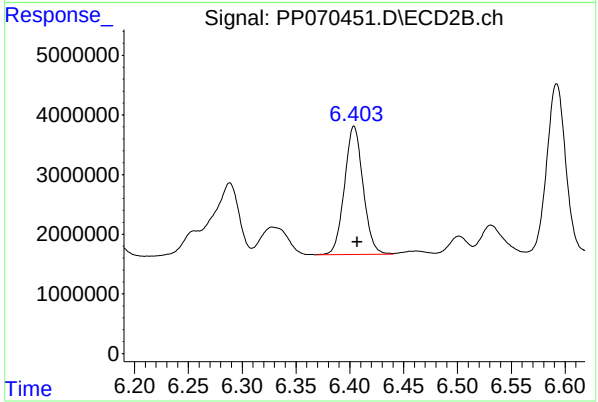

#7 AR-1016-5

R.T.: 5.367 min
Delta R.T.: -0.002 min
Response: 14760415
Conc: 496.67 ng/ml



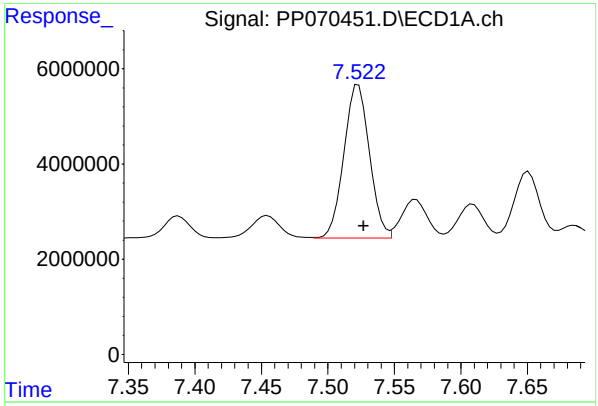

#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.004 min
Response: 31459138
Conc: 535.58 ng/ml




#31 AR-1260-1

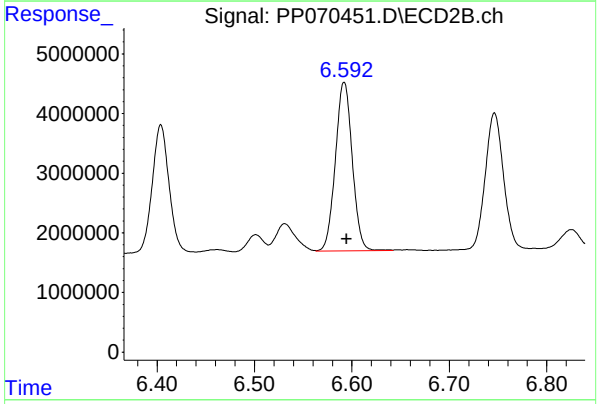
R.T.: 6.404 min
Delta R.T.: -0.003 min
Response: 25772586
Conc: 517.68 ng/ml




#32 AR-1260-2

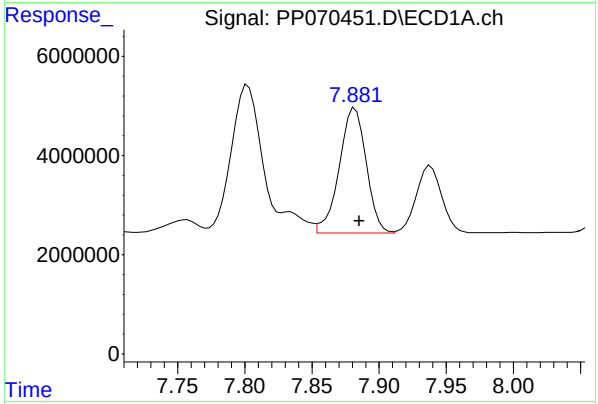
R.T.: 7.523 min
Delta R.T.: -0.004 min
Response: 43093099
Conc: 525.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



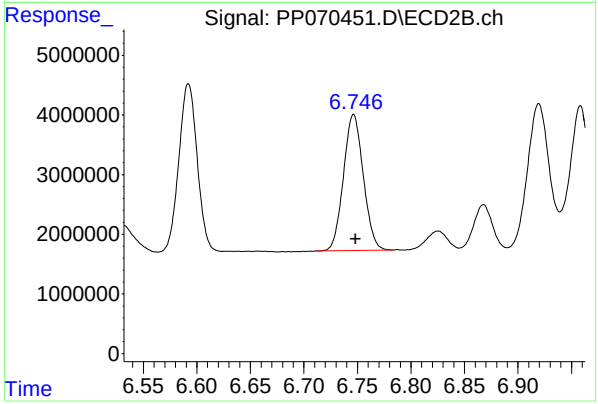

#32 AR-1260-2

R.T.: 6.592 min
Delta R.T.: -0.002 min
Response: 34068219
Conc: 515.50 ng/ml



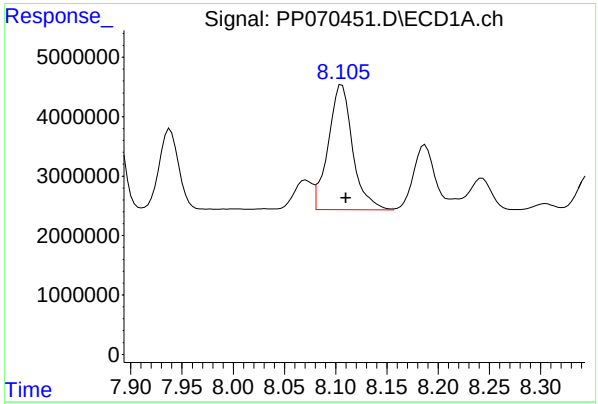

#33 AR-1260-3

R.T.: 7.882 min
Delta R.T.: -0.003 min
Response: 35379890
Conc: 538.03 ng/ml




#33 AR-1260-3

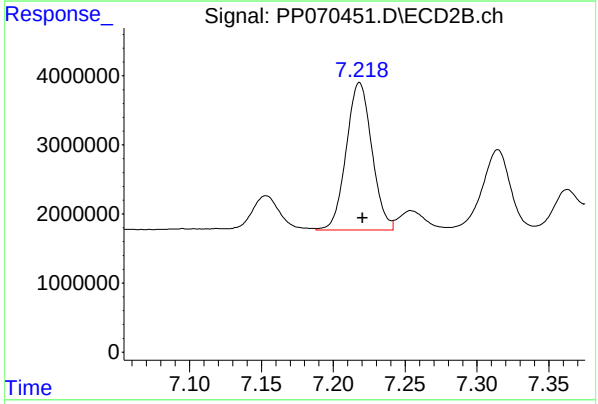
R.T.: 6.746 min
Delta R.T.: -0.002 min
Response: 29455426
Conc: 514.98 ng/ml




#34 AR-1260-4

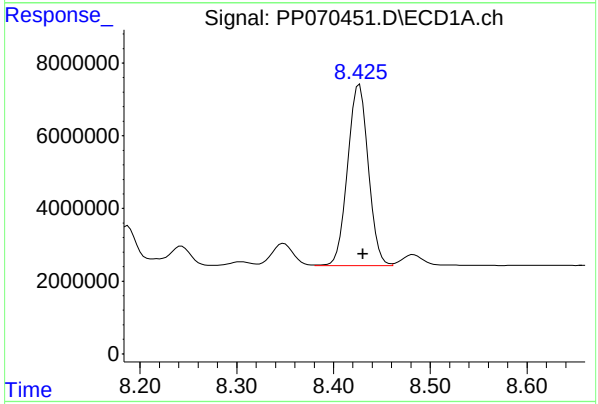
R.T.: 8.106 min
Delta R.T.: -0.004 min
Response: 34778399
Conc: 532.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125



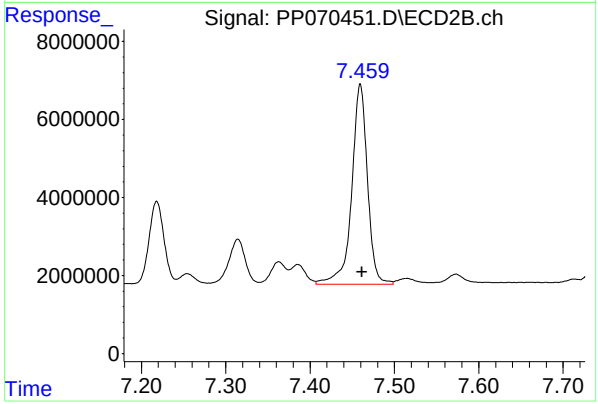

#34 AR-1260-4

R.T.: 7.218 min
Delta R.T.: -0.002 min
Response: 26486148
Conc: 517.68 ng/ml




#35 AR-1260-5

R.T.: 8.427 min
Delta R.T.: -0.004 min
Response: 73694362
Conc: 539.18 ng/ml




#35 AR-1260-5

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 66685007
Conc: 517.80 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 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... | 4.525 | 3.828 | 82637423 | 51891496 | 51.851 | 48.744 |
| 2) | SA Decachlor... | 10.250 | 8.879 | 56319561 | 51738897 | 52.291 | 51.344 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.887 | 4.202 | 17817484 | 13234008 | 501.090 | 503.008 |
| 12) | L3 AR-1232-2 | 5.412 | 4.934 | 9000524 | 12831570 | 533.581 | 497.115 |
| 13) | L3 AR-1232-3 | 5.698 | 5.112 | 19000238 | 6787601 | 519.562 | 484.519 |
| 14) | L3 AR-1232-4 | 5.858 | 5.196 | 9460626 | 5871572 | 498.077 | 501.319 |
| 15) | L3 AR-1232-5 | 5.948 | 5.368 | 6697975 | 6583987 | 516.729 | 503.825 |

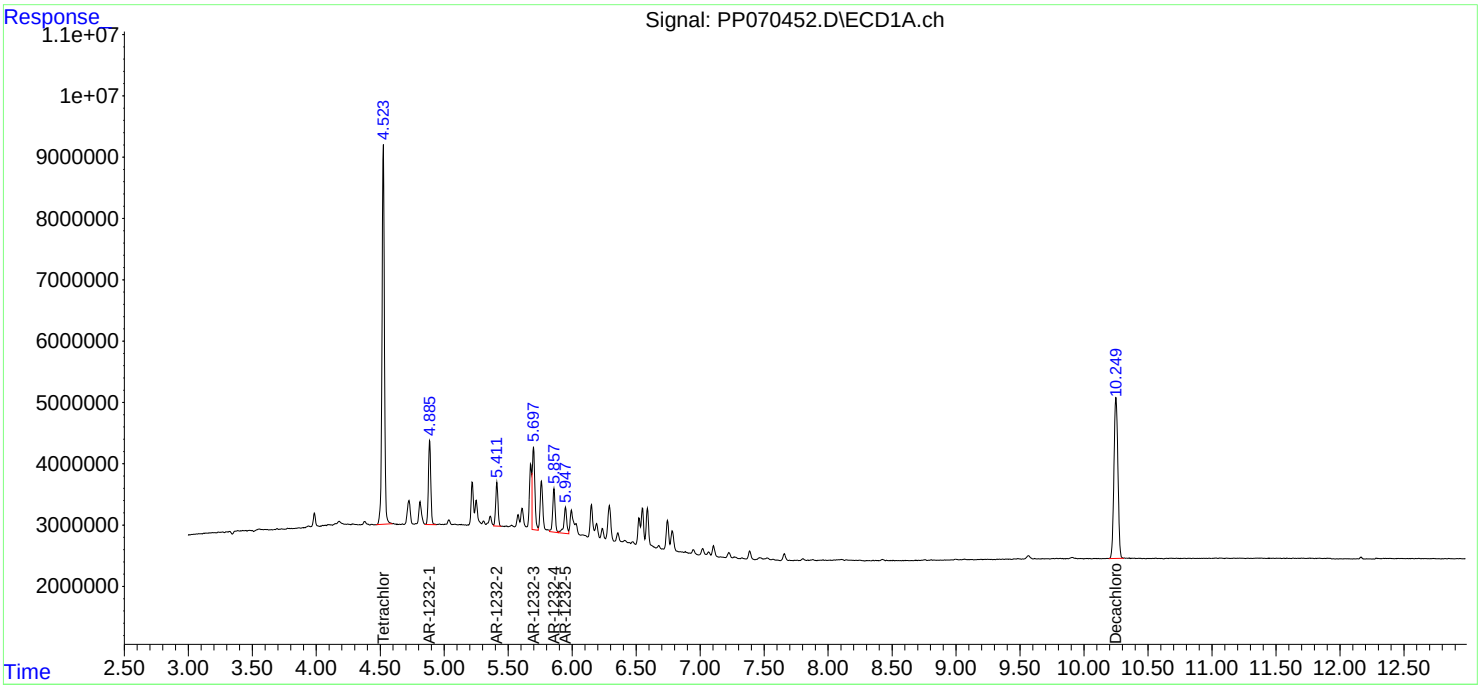
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

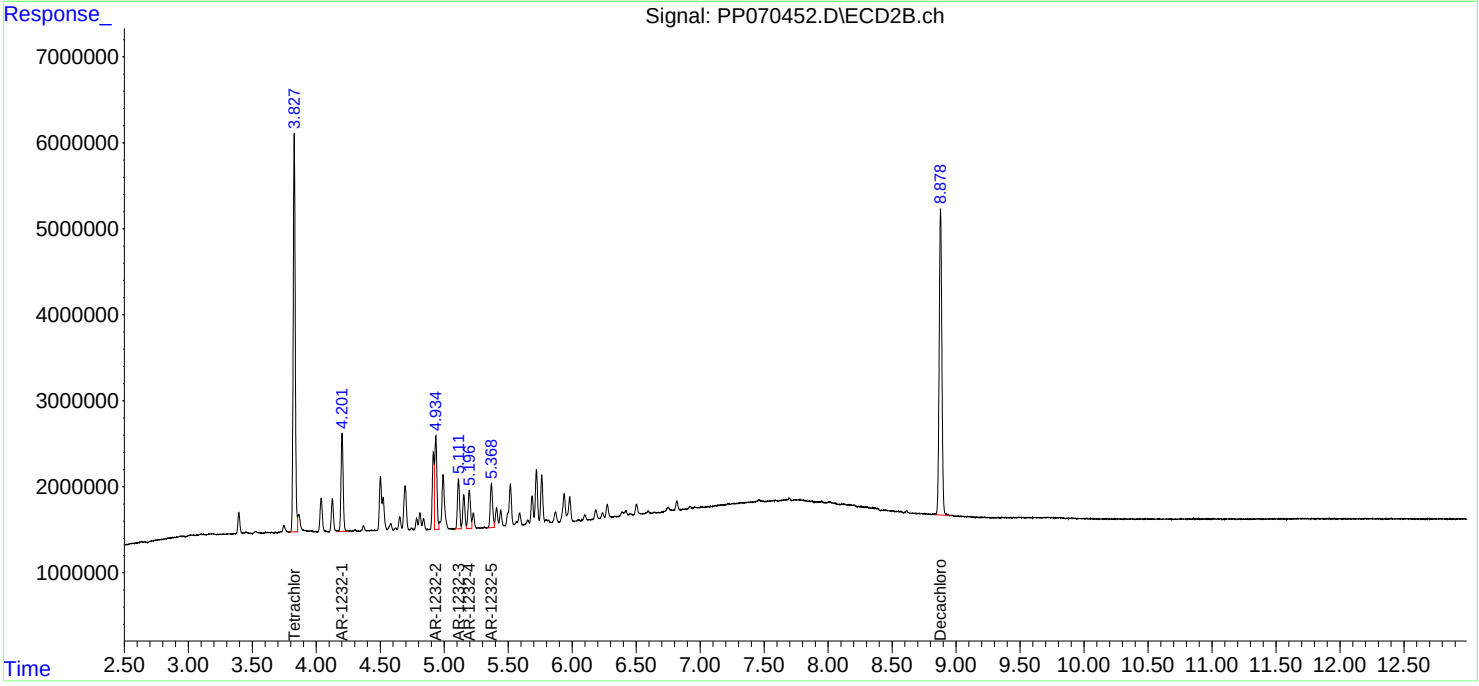
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070452.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:10
Operator : YP\AJ
Sample : AR1232ICV500
Misc :
ALS Vial : 36 Sample Multiplier: 1

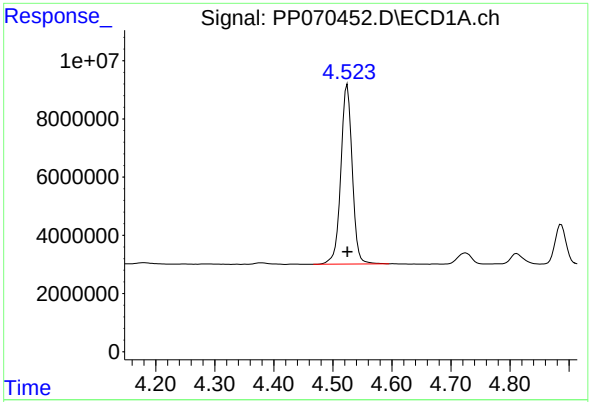
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 05:20:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 05:19:07 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



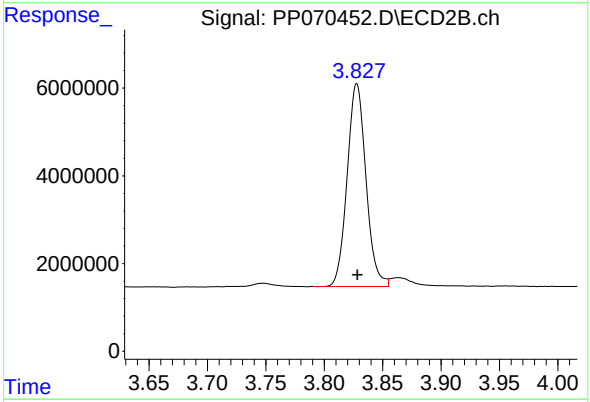






#1 Tetrachloro-m-xylene

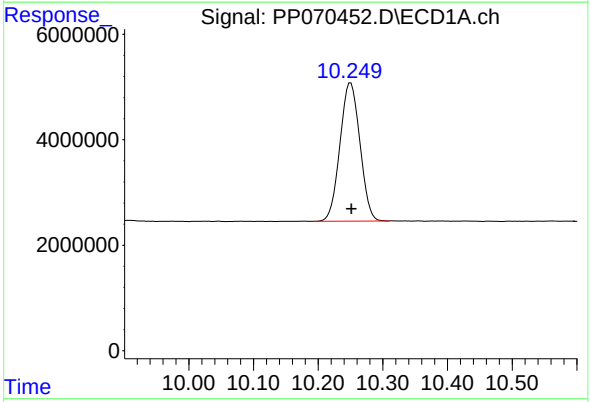
R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 82637423
Conc: 51.85 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232



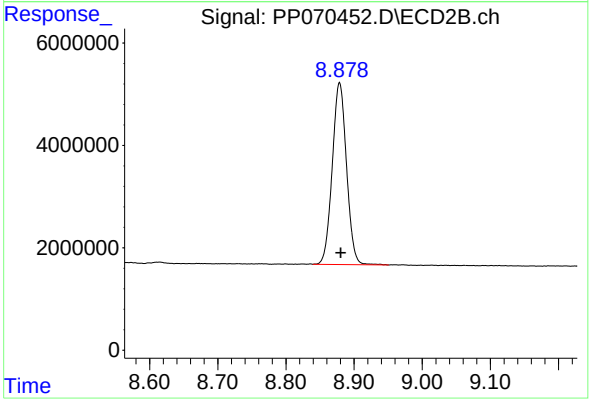

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 51891496
Conc: 48.74 ng/ml



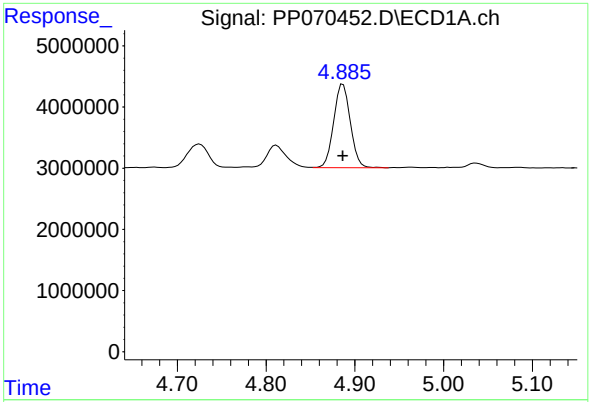

#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.001 min
Response: 56319561
Conc: 52.29 ng/ml




#2 Decachlorobiphenyl

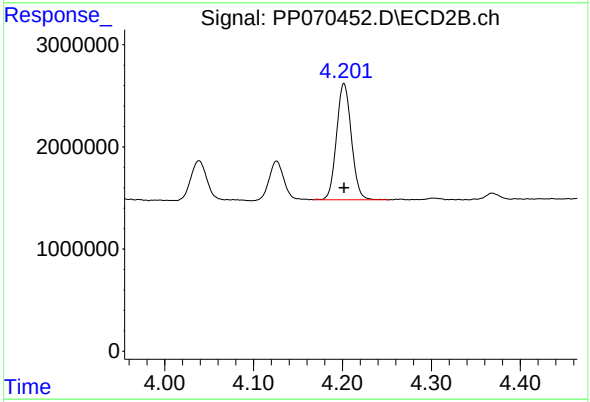
R.T.: 8.879 min
Delta R.T.: -0.002 min
Response: 51738897
Conc: 51.34 ng/ml




#11 AR-1232-1

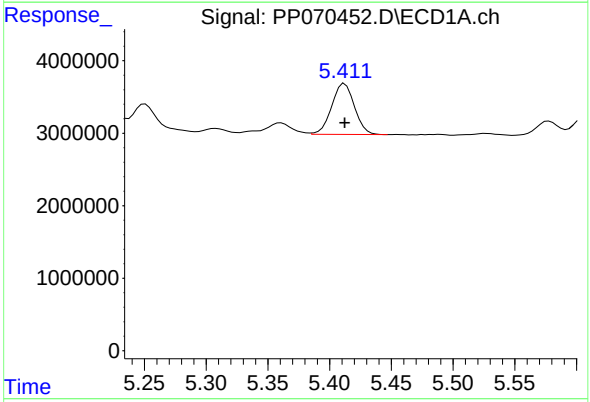
R.T.: 4.887 min
Delta R.T.: 0.000 min
Response: 17817484
Conc: 501.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232



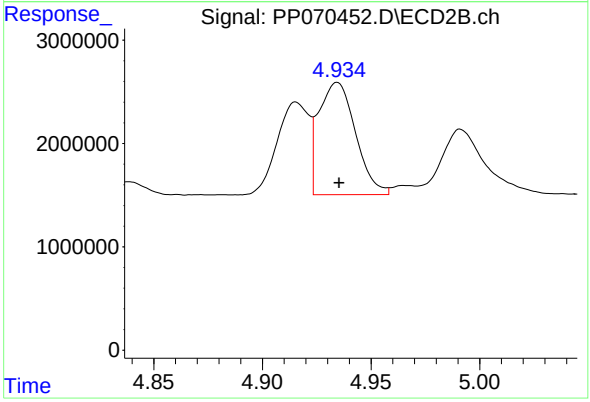

#11 AR-1232-1

R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 13234008
Conc: 503.01 ng/ml



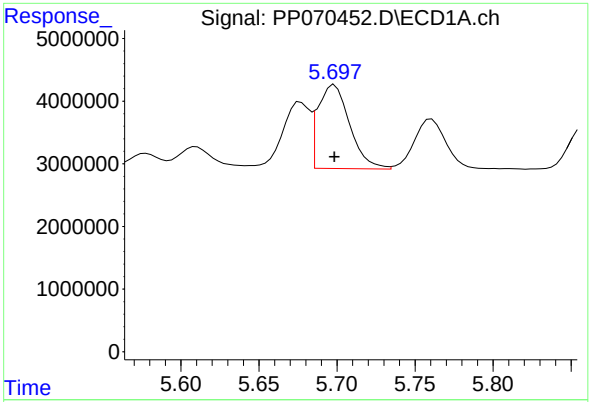

#12 AR-1232-2

R.T.: 5.412 min
Delta R.T.: 0.000 min
Response: 9000524
Conc: 533.58 ng/ml




#12 AR-1232-2

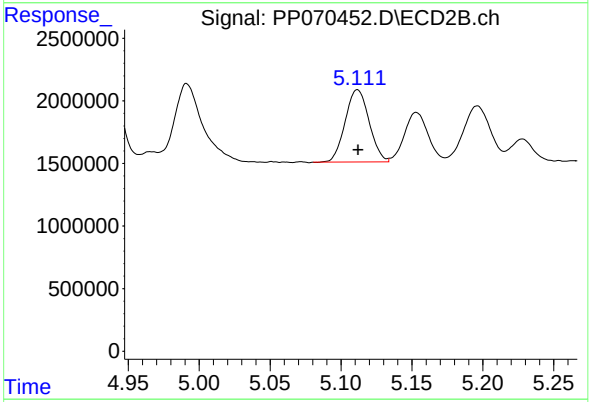
R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 12831570
Conc: 497.11 ng/ml




#13 AR-1232-3

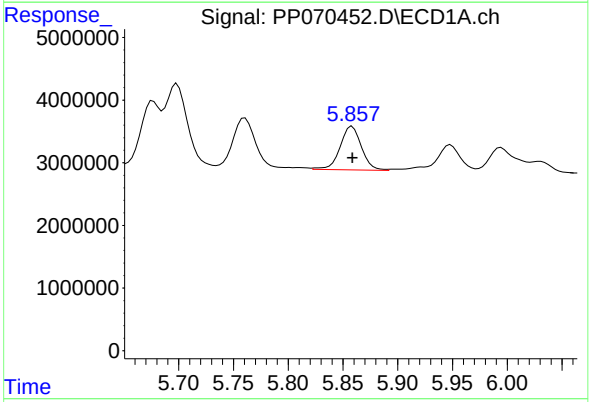
R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 19000238
Conc: 519.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232



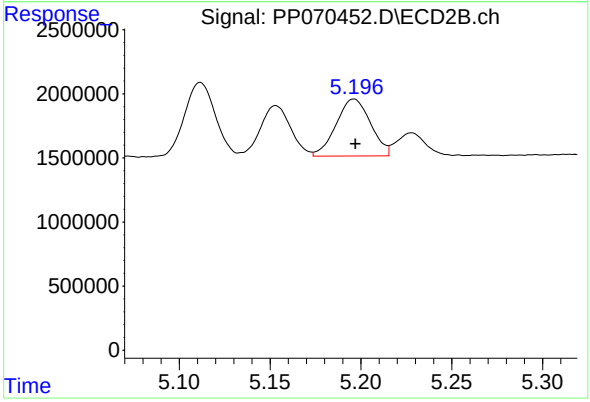

#13 AR-1232-3

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 6787601
Conc: 484.52 ng/ml



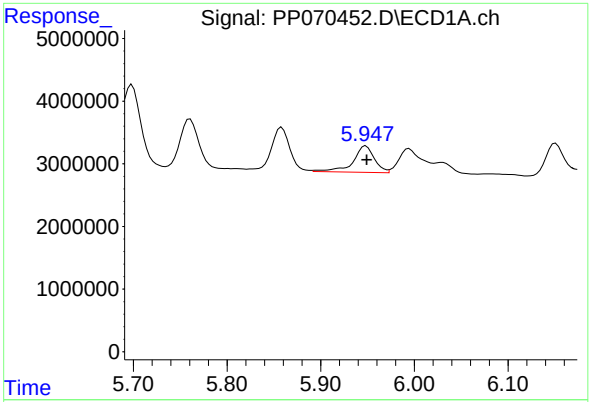

#14 AR-1232-4

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 9460626
Conc: 498.08 ng/ml




#14 AR-1232-4

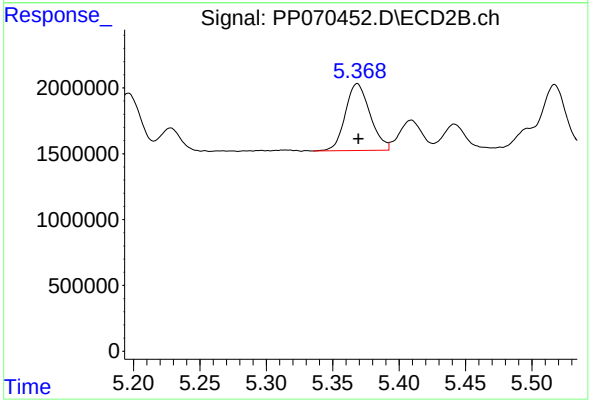
R.T.: 5.196 min
Delta R.T.: 0.000 min
Response: 5871572
Conc: 501.32 ng/ml




#15 AR-1232-5

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 6697975
Conc: 516.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1232




#15 AR-1232-5

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 6583987
Conc: 503.83 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 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... | 4.522 | 3.828 | 80900104 | 52039514 | 51.573 | 51.996 |
| 2) | SA Decachlor... | 10.247 | 8.877 | 56432259 | 50213028 | 52.789 | 48.963 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.673 | 4.914 | 21829875 | 15588752 | 491.127 | 509.246 |
| 17) | L4 AR-1242-2 | 5.695 | 4.933 | 32588571 | 21901951 | 530.924 | 502.366 |
| 18) | L4 AR-1242-3 | 5.758 | 5.111 | 19614357 | 12116039 | 528.672 | 508.387 |
| 19) | L4 AR-1242-4 | 5.855 | 5.195 | 16599935 | 11430650 | 516.600 | 518.573 |
| 20) | L4 AR-1242-5 | 6.586 | 5.720 | 17030676 | 14600485 | 548.536 | 522.919 |

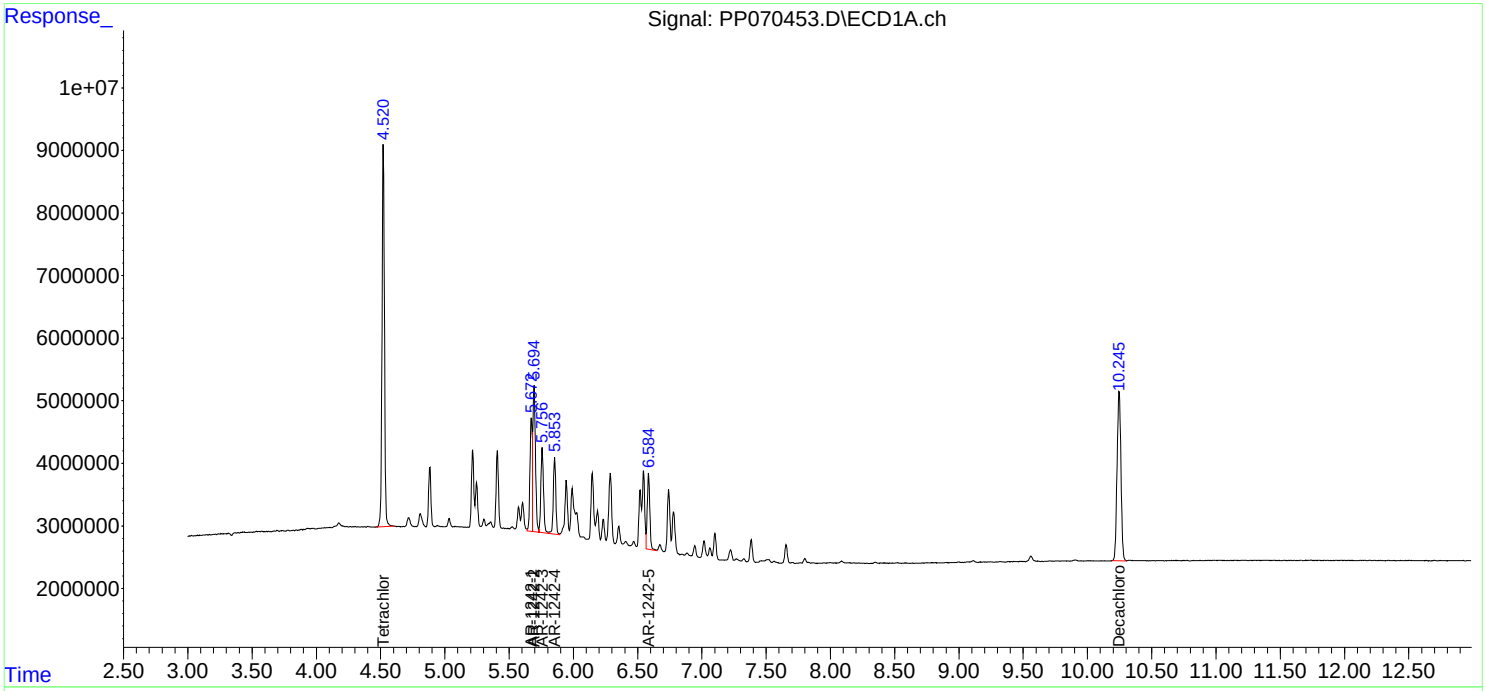
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

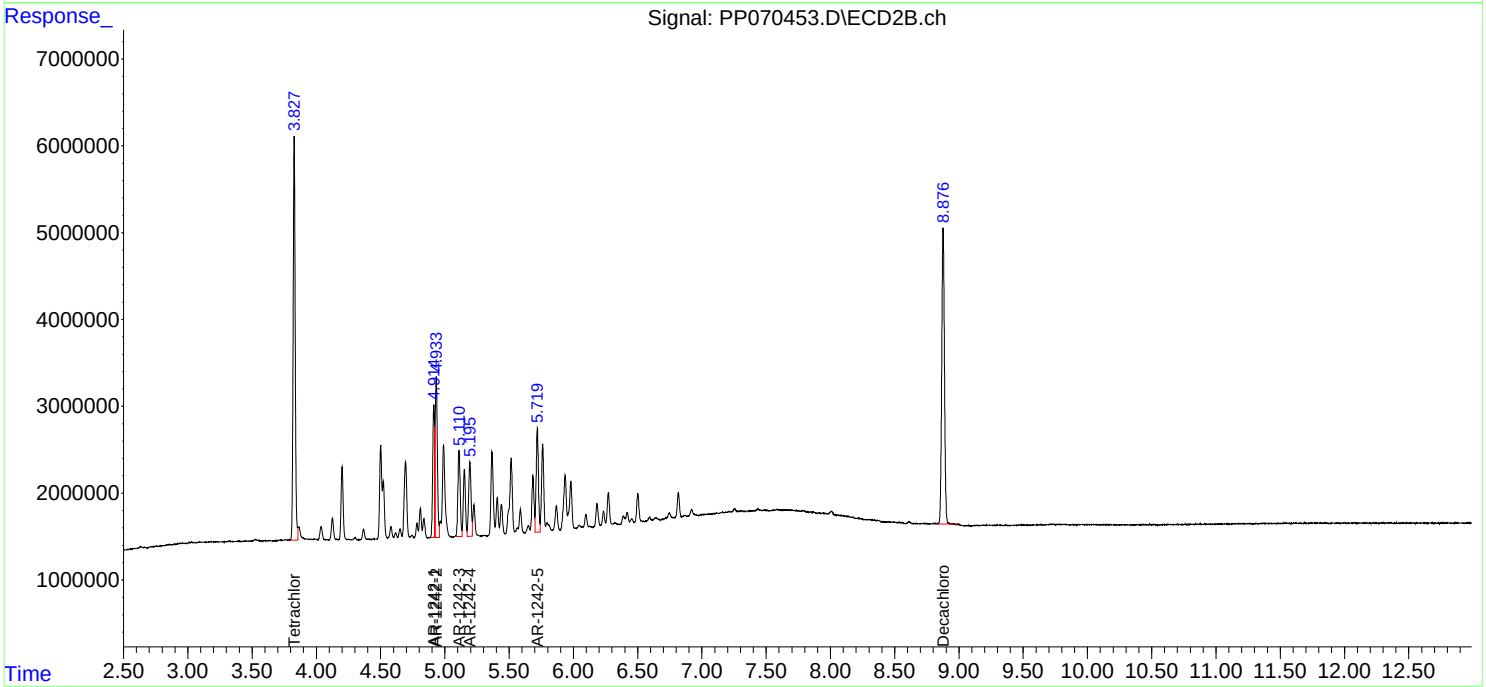
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070453.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:27
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 37 Sample Multiplier: 1

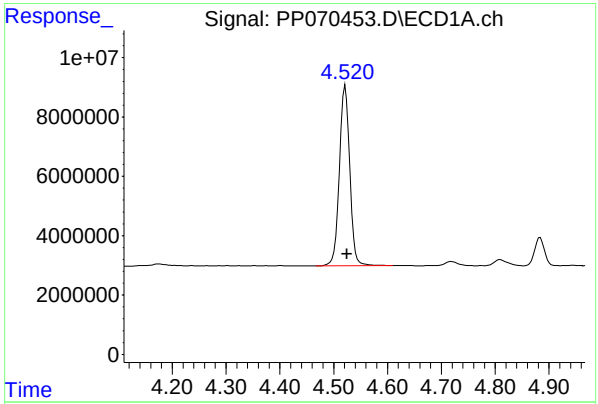
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 02:29:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:28:34 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



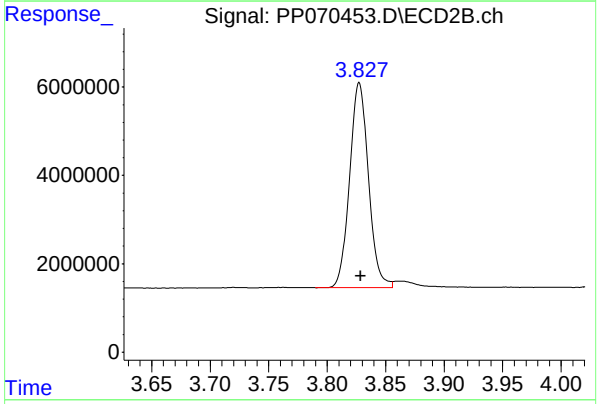






#1 Tetrachloro-m-xylene

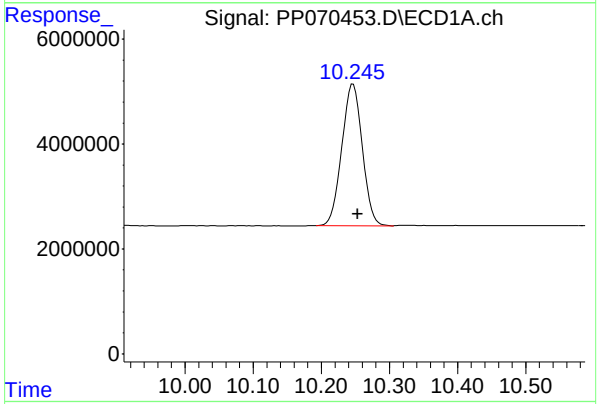
R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 80900104
Conc: 51.57 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242



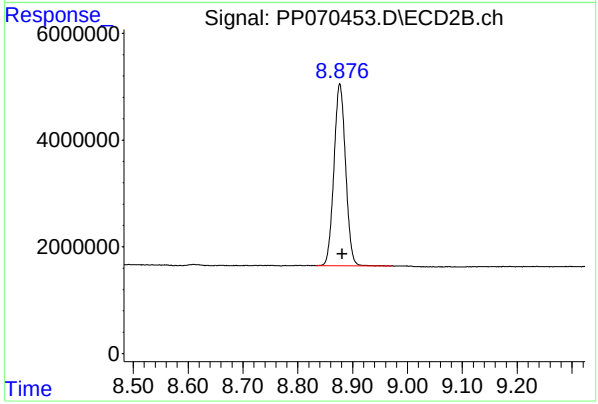

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.001 min
Response: 52039514
Conc: 52.00 ng/ml



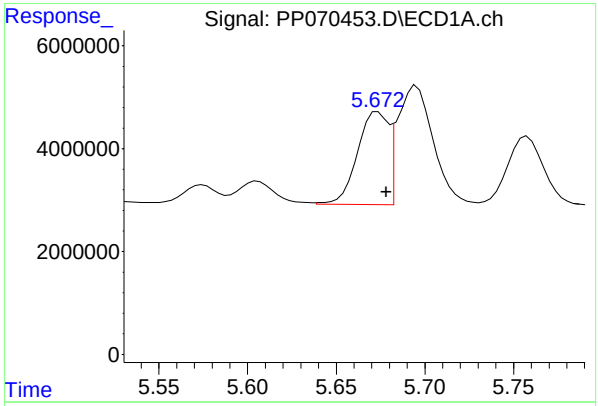

#2 Decachlorobiphenyl

R.T.: 10.247 min
Delta R.T.: -0.007 min
Response: 56432259
Conc: 52.79 ng/ml




#2 Decachlorobiphenyl

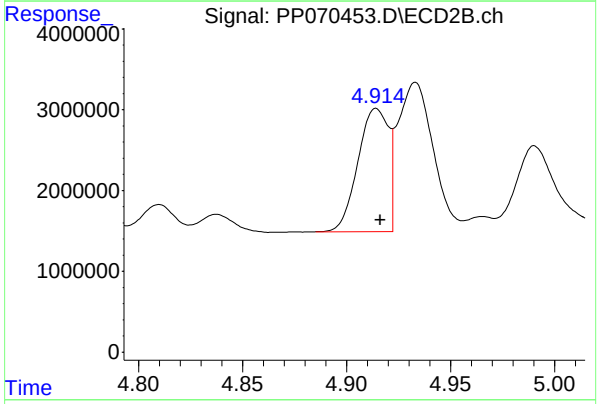
R.T.: 8.877 min
Delta R.T.: -0.004 min
Response: 50213028
Conc: 48.96 ng/ml




#16 AR-1242-1

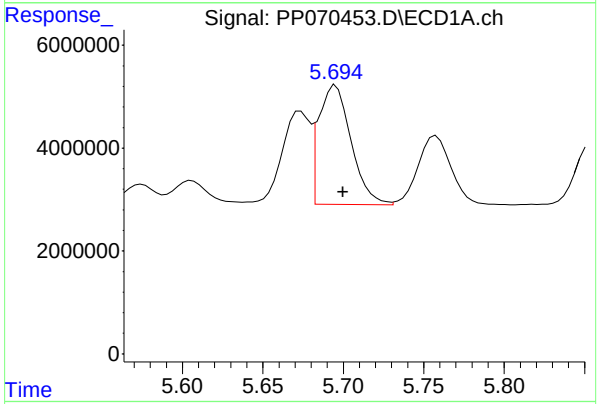
R.T.: 5.673 min
Delta R.T.: -0.005 min
Response: 21829875
Conc: 491.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242



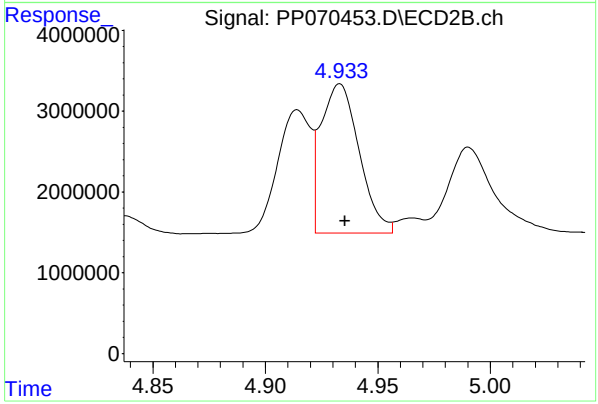

#16 AR-1242-1

R.T.: 4.914 min
Delta R.T.: -0.002 min
Response: 15588752
Conc: 509.25 ng/ml



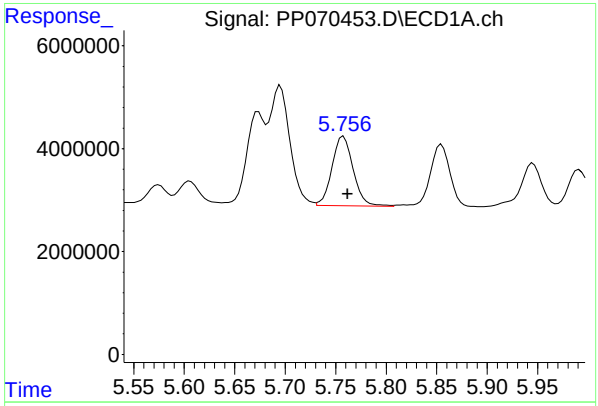

#17 AR-1242-2

R.T.: 5.695 min
Delta R.T.: -0.005 min
Response: 32588571
Conc: 530.92 ng/ml




#17 AR-1242-2

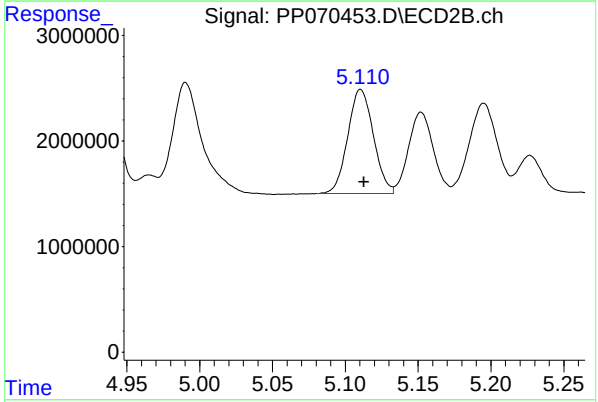
R.T.: 4.933 min
Delta R.T.: -0.002 min
Response: 21901951
Conc: 502.37 ng/ml




#18 AR-1242-3

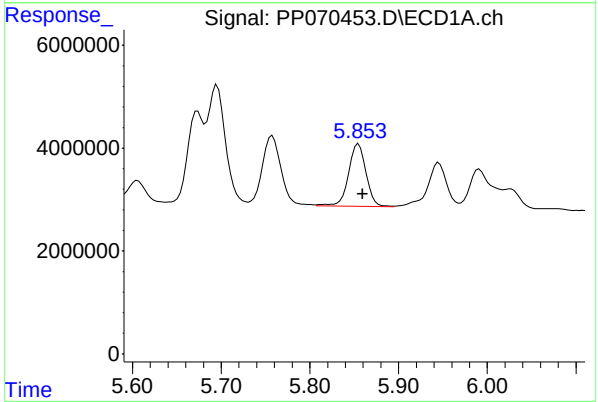
R.T.: 5.758 min
Delta R.T.: -0.004 min
Response: 19614357
Conc: 528.67 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242



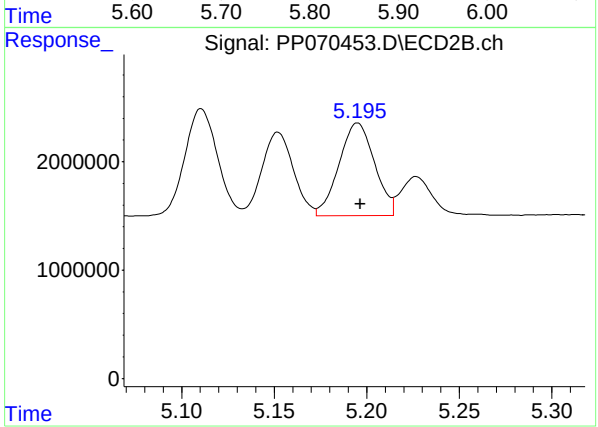

#18 AR-1242-3

R.T.: 5.111 min
Delta R.T.: -0.002 min
Response: 12116039
Conc: 508.39 ng/ml



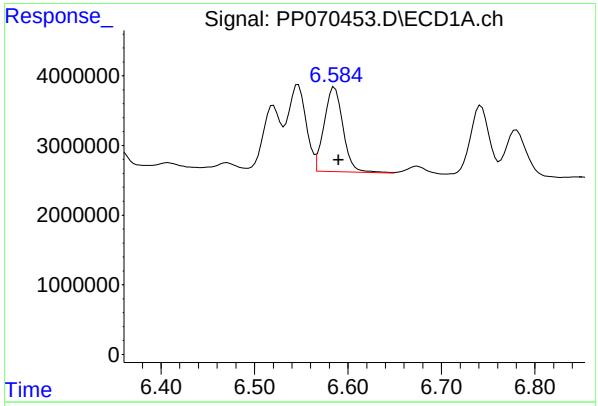

#19 AR-1242-4

R.T.: 5.855 min
Delta R.T.: -0.005 min
Response: 16599935
Conc: 516.60 ng/ml




#19 AR-1242-4

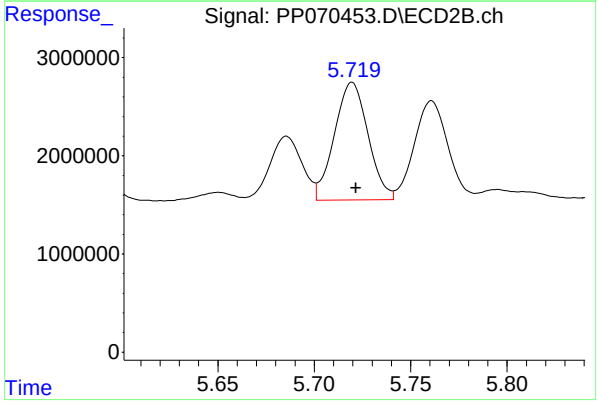
R.T.: 5.195 min
Delta R.T.: -0.001 min
Response: 11430650
Conc: 518.57 ng/ml




#20 AR-1242-5

R.T.: 6.586 min
Delta R.T.: -0.005 min
Response: 17030676
Conc: 548.54 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1242




#20 AR-1242-5

R.T.: 5.720 min
Delta R.T.: -0.002 min
Response: 14600485
Conc: 522.92 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 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... | 4.523 | 3.827 | 80763365 | 51993820 | 51.381 | 50.996 |
| 2) | SA Decachlor... | 10.249 | 8.879 | 57381734 | 53329390 | 53.107 | 53.338 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.675 | 4.915 | 17366035 | 11930350 | 508.434 | 508.204 |
| 22) | L5 AR-1248-2 | 5.948 | 5.152 | 22908060 | 15777449 | 539.683 | 504.016 |
| 23) | L5 AR-1248-3 | 6.150 | 5.195 | 24248973 | 16449582 | 525.454 | 518.561 |
| 24) | L5 AR-1248-4 | 6.549 | 5.368 | 29245571 | 19332171 | 504.310 | 496.038 |
| 25) | L5 AR-1248-5 | 6.588 | 5.762 | 27662486 | 19099791 | 515.251 | 501.482 |

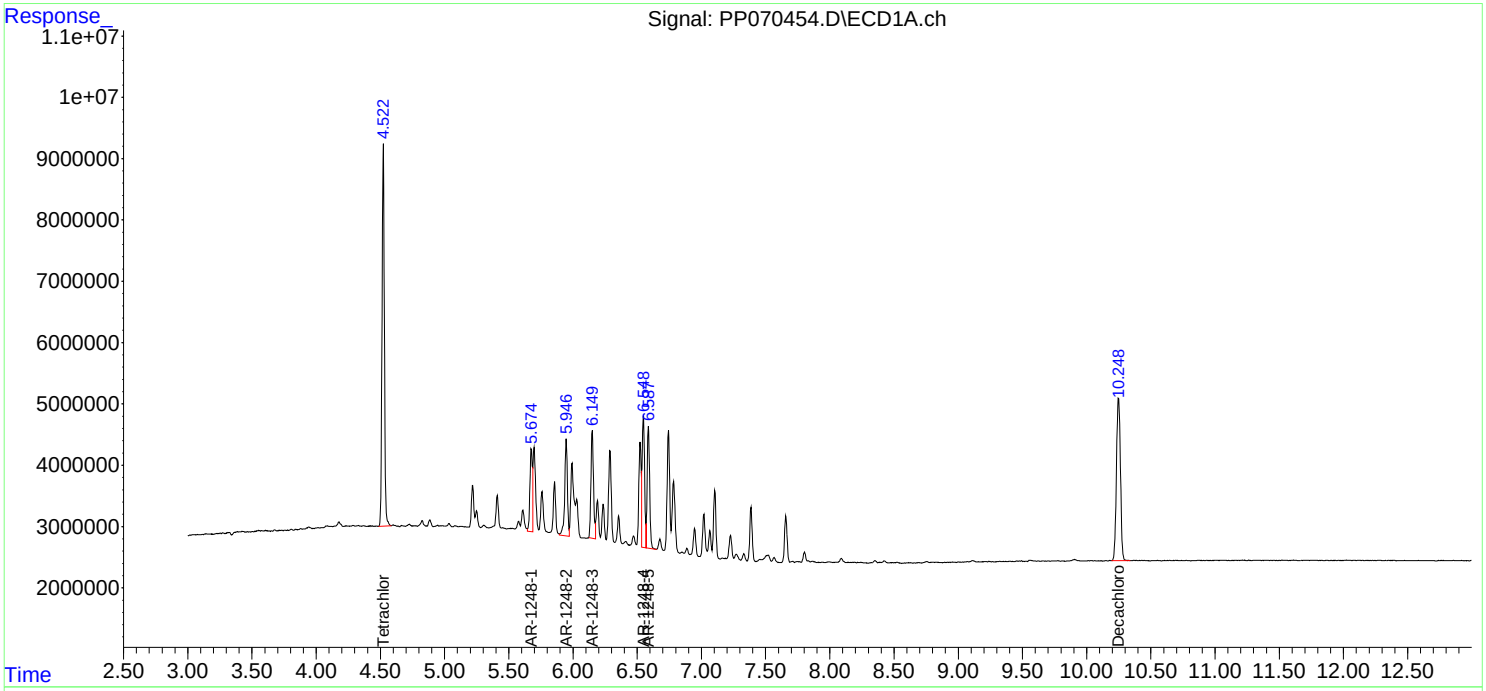
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

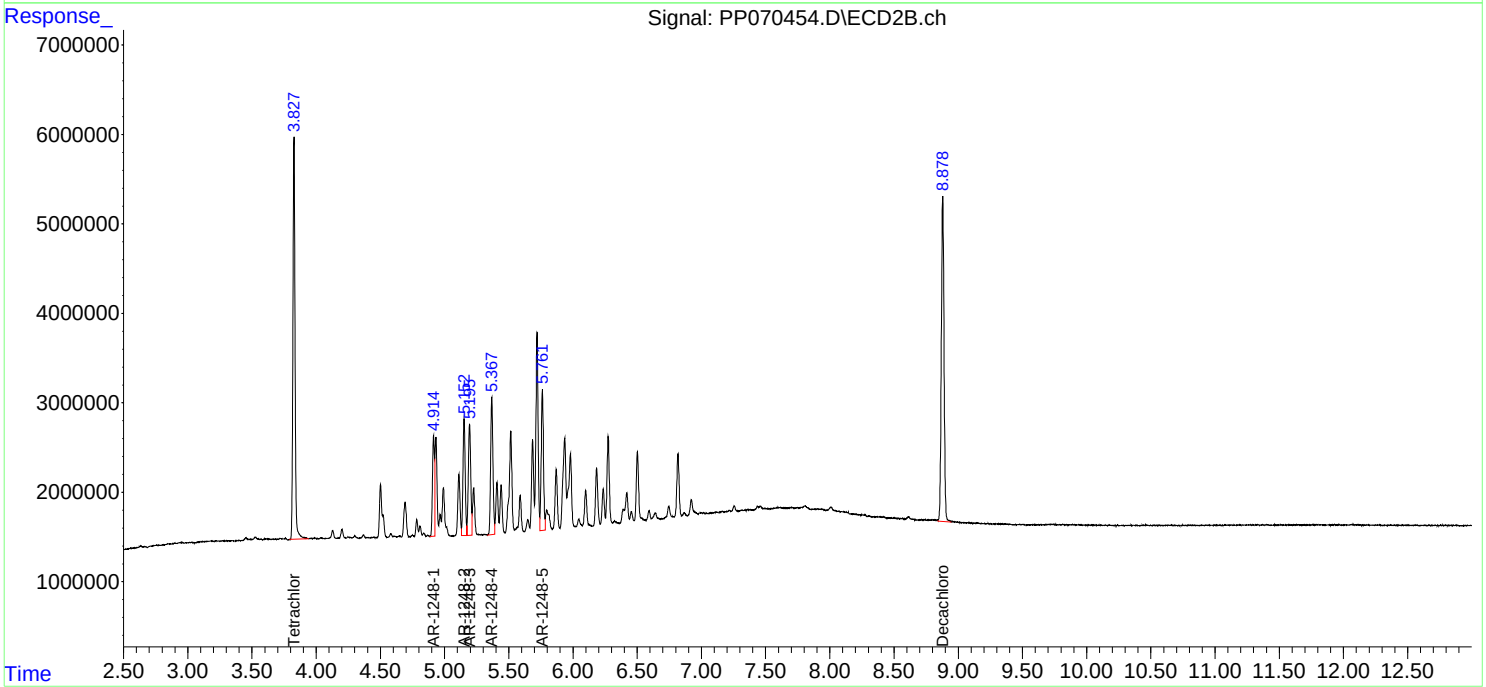
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:43
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 38 Sample Multiplier: 1

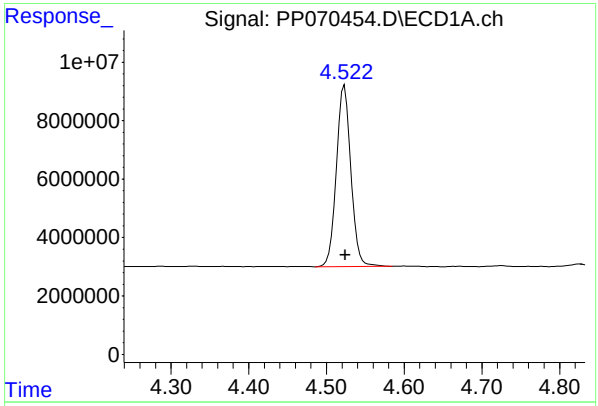
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:44:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:39:22 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



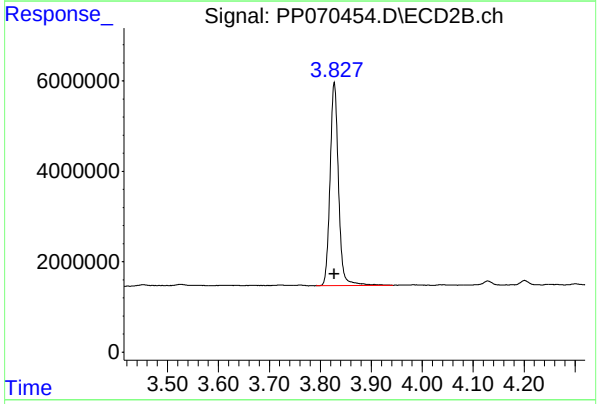






#1 Tetrachloro-m-xylene

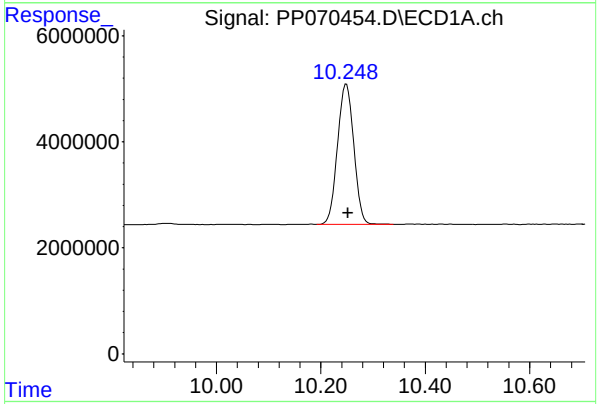
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 80763365
Conc: 51.38 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248



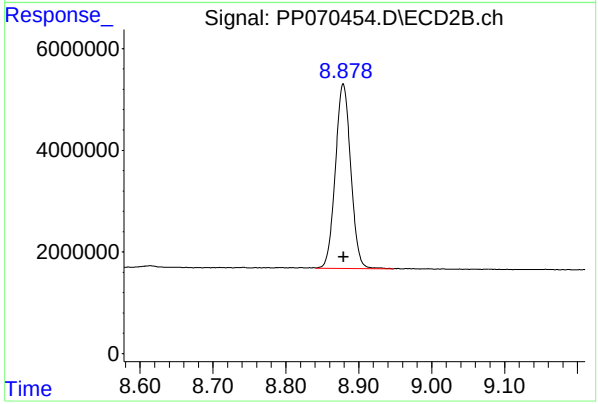

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 51993820
Conc: 51.00 ng/ml



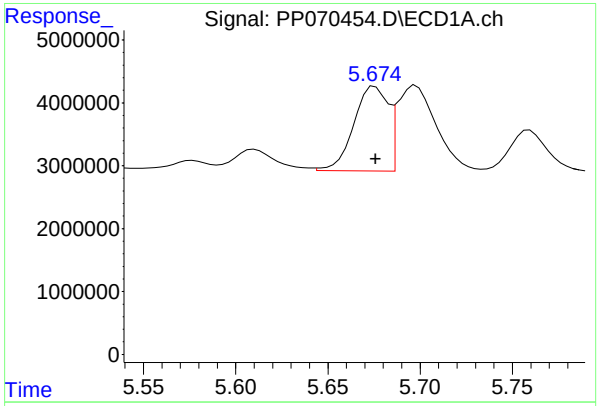

#2 Decachlorobiphenyl

R.T.: 10.249 min
Delta R.T.: -0.003 min
Response: 57381734
Conc: 53.11 ng/ml




#2 Decachlorobiphenyl

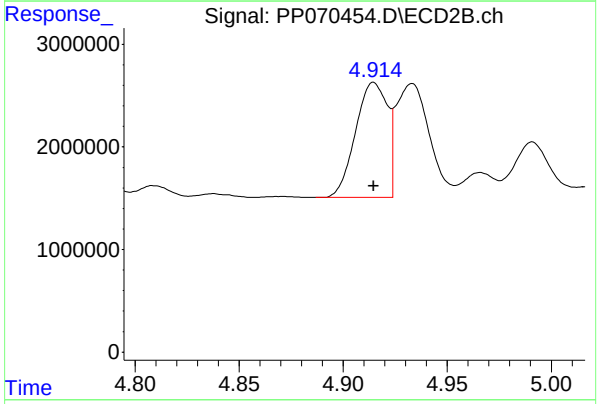
R.T.: 8.879 min
Delta R.T.: 0.000 min
Response: 53329390
Conc: 53.34 ng/ml




#21 AR-1248-1

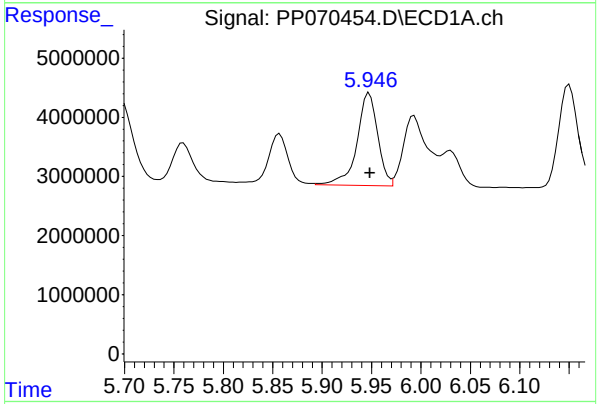
R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 17366035
Conc: 508.43 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248



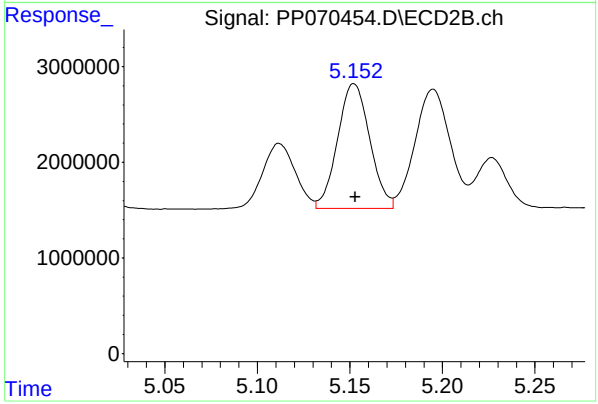

#21 AR-1248-1

R.T.: 4.915 min
Delta R.T.: 0.000 min
Response: 11930350
Conc: 508.20 ng/ml



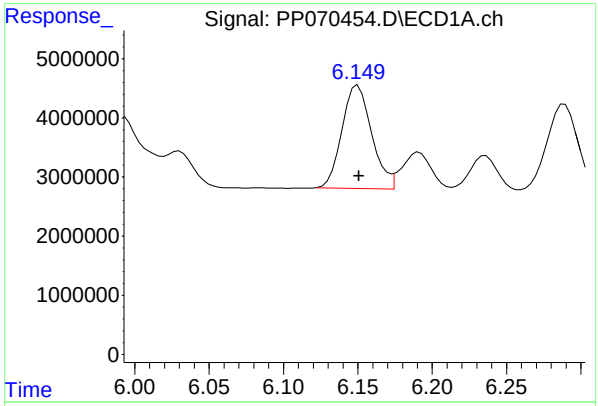

#22 AR-1248-2

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 22908060
Conc: 539.68 ng/ml




#22 AR-1248-2

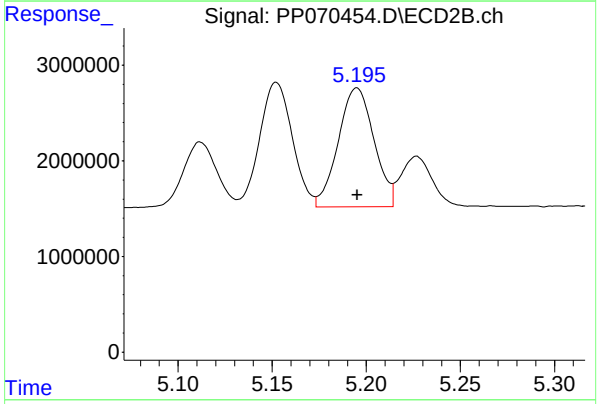
R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 15777449
Conc: 504.02 ng/ml




#23 AR-1248-3

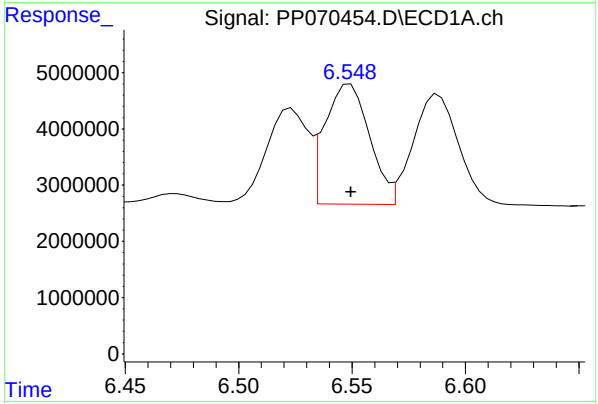
R.T.: 6.150 min
Delta R.T.: 0.000 min
Response: 24248973
Conc: 525.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248



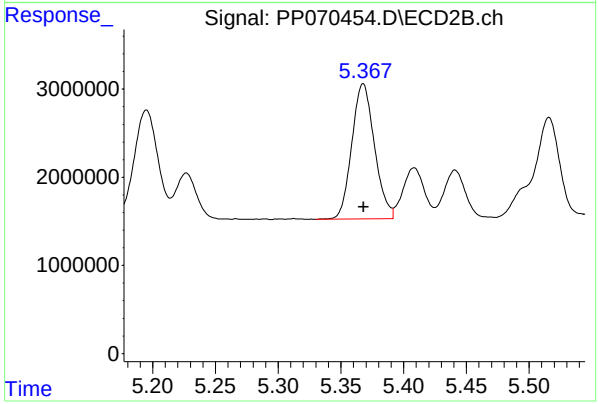

#23 AR-1248-3

R.T.: 5.195 min
Delta R.T.: 0.000 min
Response: 16449582
Conc: 518.56 ng/ml



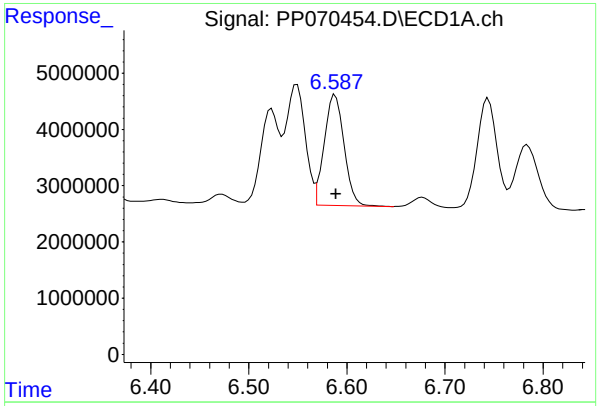

#24 AR-1248-4

R.T.: 6.549 min
Delta R.T.: 0.000 min
Response: 29245571
Conc: 504.31 ng/ml




#24 AR-1248-4

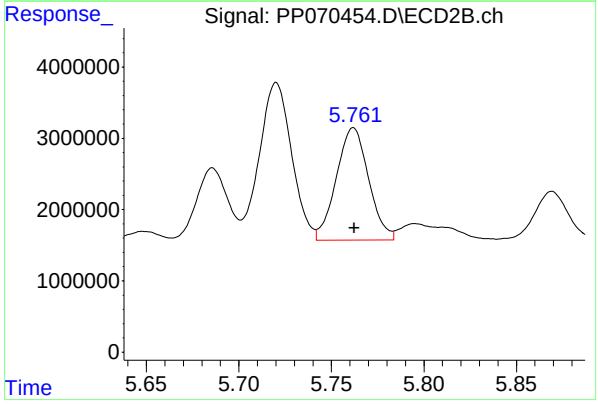
R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 19332171
Conc: 496.04 ng/ml




#25 AR-1248-5

R.T.: 6.588 min
Delta R.T.: 0.000 min
Response: 27662486
Conc: 515.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1248




#25 AR-1248-5

R.T.: 5.762 min
Delta R.T.: 0.000 min
Response: 19099791
Conc: 501.48 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 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... | 4.525 | 3.827 | 82035673 | 53945391 | 51.568 | 53.445 |
| 2) | SA Decachlor... | 10.250 | 8.878 | 58425643 | 54856879 | 52.829 | 51.364 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.527 | 5.721 | 29456235 | 28994348 | 514.431 | 514.789 |
| 27) | L6 AR-1254-2 | 6.743 | 5.869 | 42978463 | 24997724 | 530.257 | 511.133 |
| 28) | L6 AR-1254-3 | 7.106 | 6.274 | 43763209 | 38958184 | 519.927 | 516.564 |
| 29) | L6 AR-1254-4 | 7.389 | 6.502 | 36692419 | 27576382 | 523.152 | 522.756 |
| 30) | L6 AR-1254-5 | 7.805 | 6.921 | 36360967 | 35678139 | 520.504 | 516.666 |

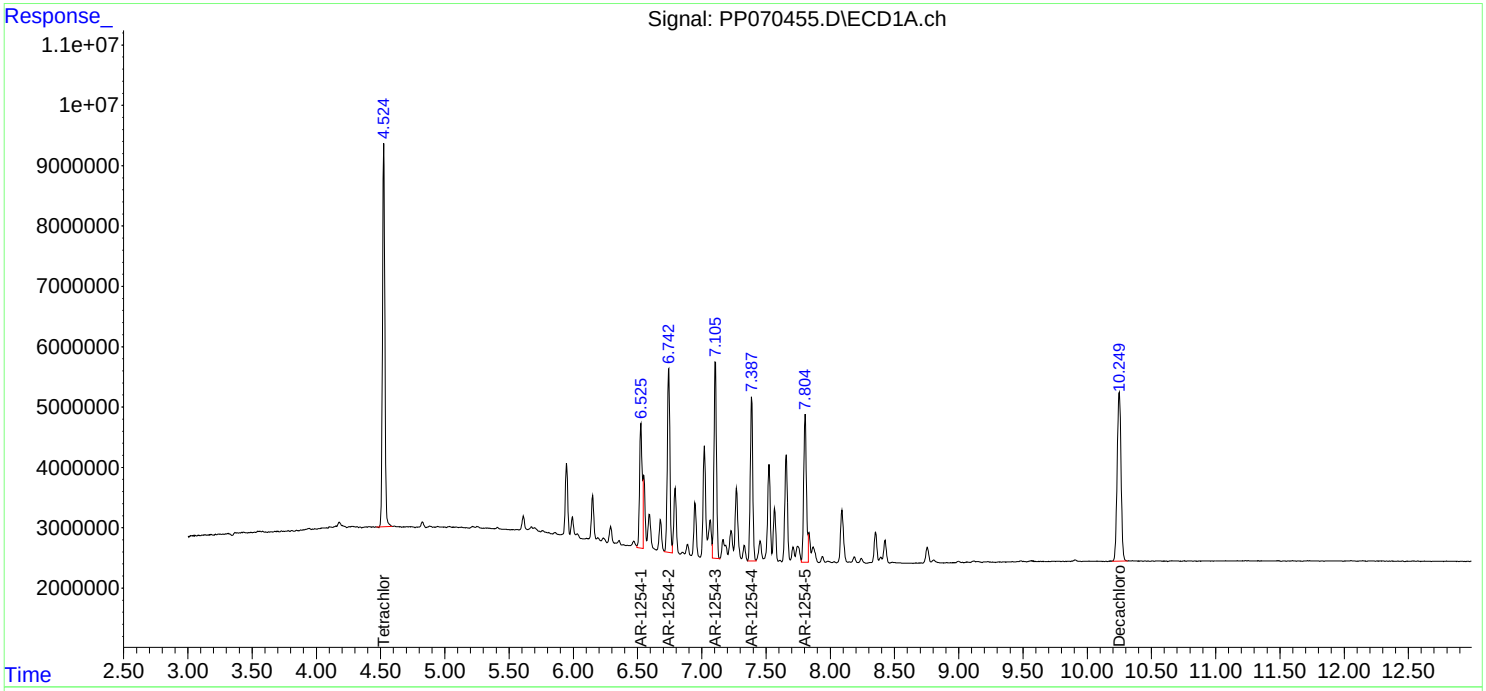
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

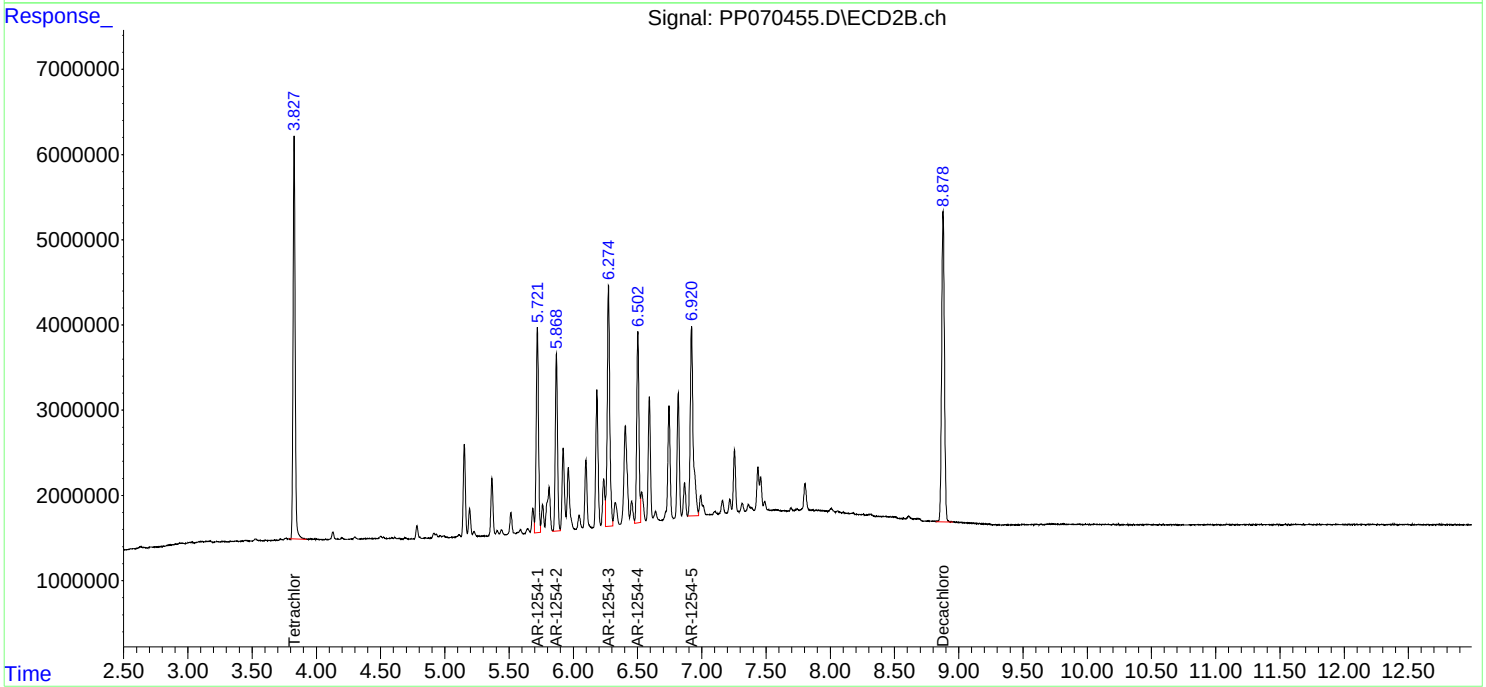
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 00:59
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 39 Sample Multiplier: 1

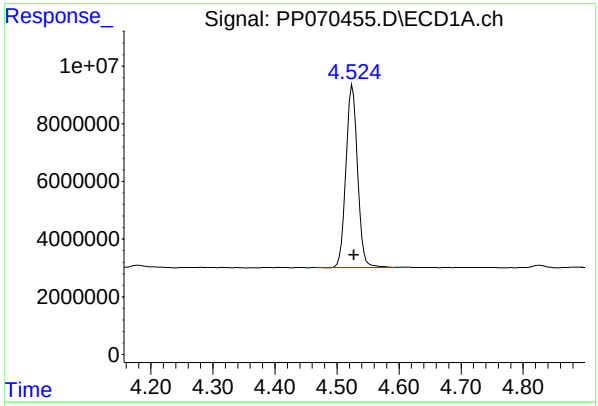
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:56:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:49:19 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



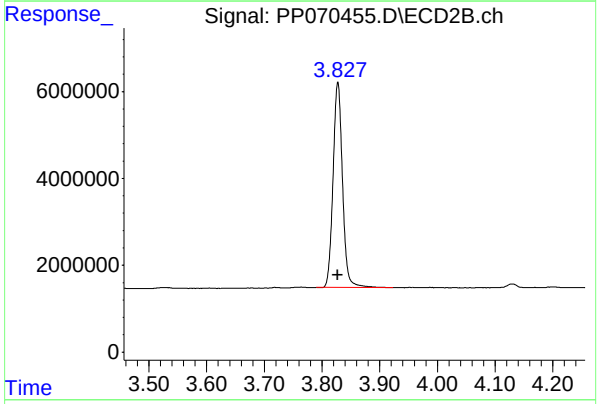






#1 Tetrachloro-m-xylene

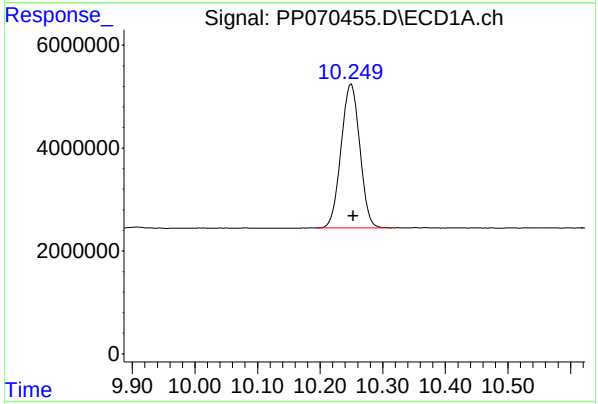
R.T.: 4.525 min
Delta R.T.: -0.002 mi
Response: 82035673
Conc: 51.57 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254



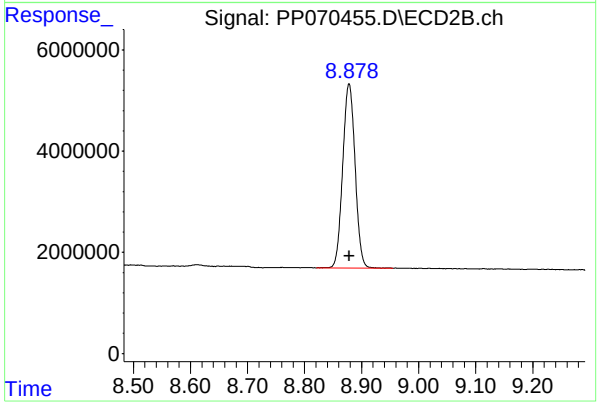

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: 0.000 min
Response: 53945391
Conc: 53.45 ng/ml



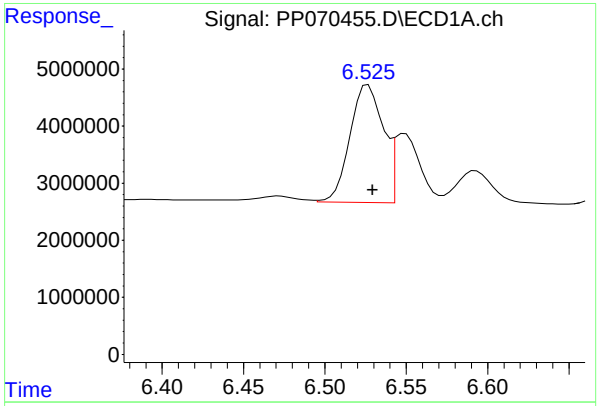

#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: -0.003 min
Response: 58425643
Conc: 52.83 ng/ml




#2 Decachlorobiphenyl

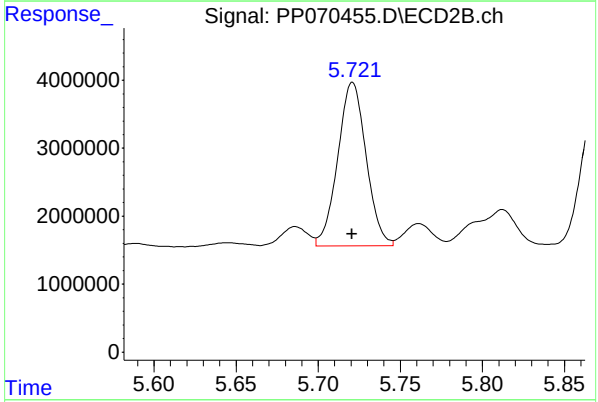
R.T.: 8.878 min
Delta R.T.: 0.000 min
Response: 54856879
Conc: 51.36 ng/ml




#26 AR-1254-1

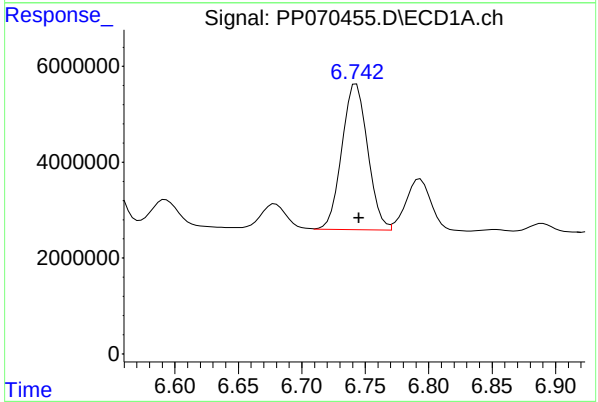
R.T.: 6.527 min
Delta R.T.: -0.003 min
Response: 29456235
Conc: 514.43 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254



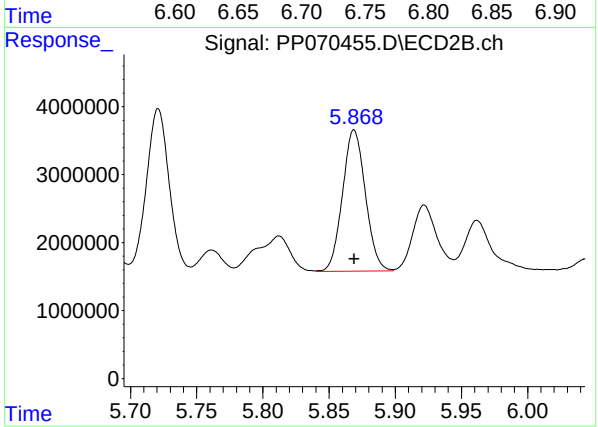

#26 AR-1254-1

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 28994348
Conc: 514.79 ng/ml



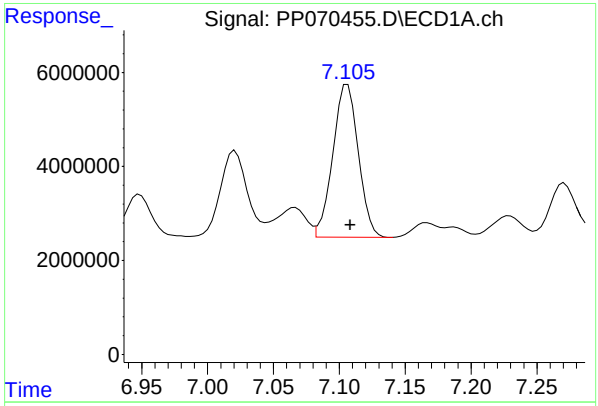

#27 AR-1254-2

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 42978463
Conc: 530.26 ng/ml




#27 AR-1254-2

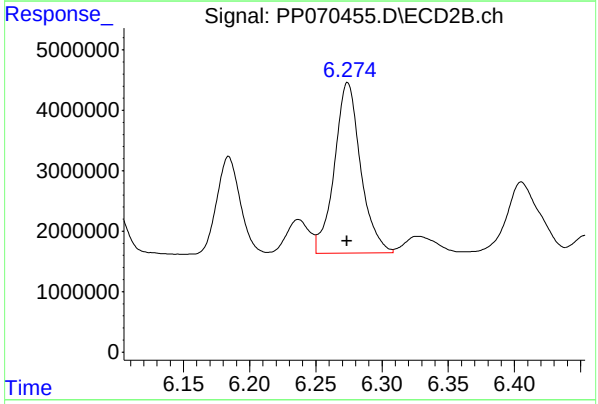
R.T.: 5.869 min
Delta R.T.: 0.000 min
Response: 24997724
Conc: 511.13 ng/ml




#28 AR-1254-3

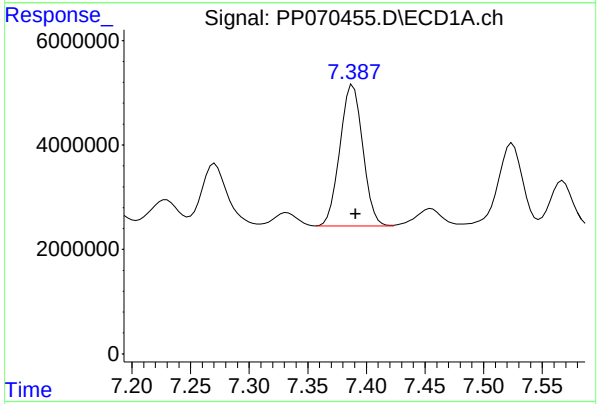
R.T.: 7.106 min
Delta R.T.: -0.002 min
Response: 43763209
Conc: 519.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254



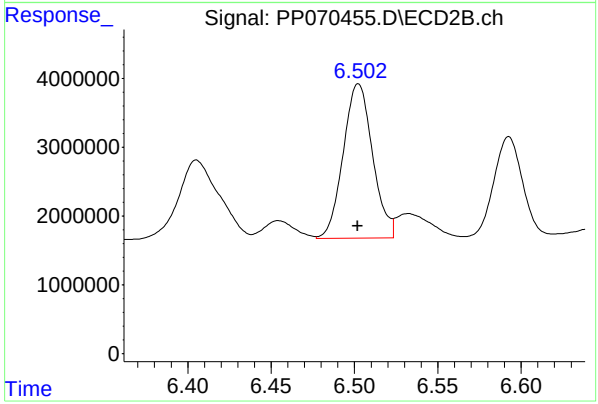

#28 AR-1254-3

R.T.: 6.274 min
Delta R.T.: 0.000 min
Response: 38958184
Conc: 516.56 ng/ml



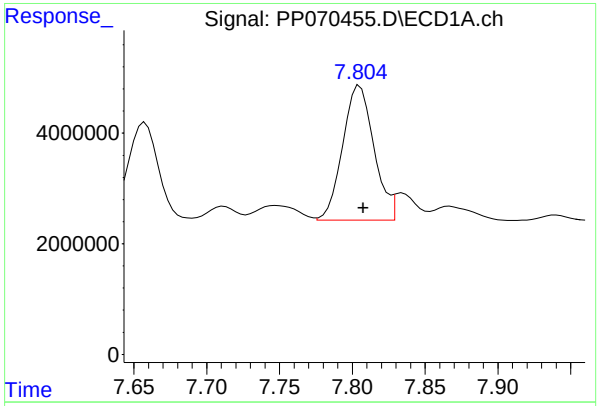

#29 AR-1254-4

R.T.: 7.389 min
Delta R.T.: -0.002 min
Response: 36692419
Conc: 523.15 ng/ml




#29 AR-1254-4

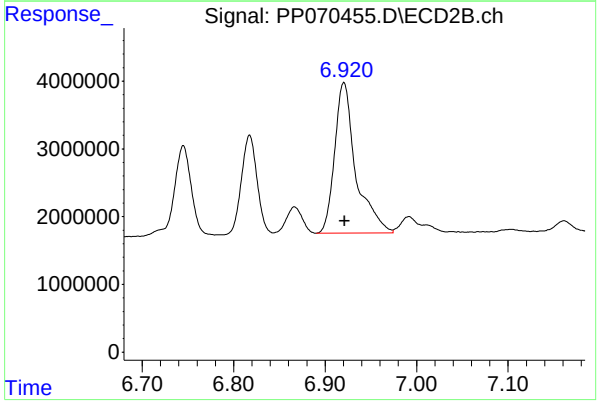
R.T.: 6.502 min
Delta R.T.: 0.000 min
Response: 27576382
Conc: 522.76 ng/ml




#30 AR-1254-5

R.T.: 7.805 min
Delta R.T.: -0.003 mi
Response: 36360967
Conc: 520.50 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1254




#30 AR-1254-5

R.T.: 6.921 min
Delta R.T.: 0.000 min
Response: 35678139
Conc: 516.67 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 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... | 4.525 | 3.826 | 82956019 | 55353504 | 50.459 | 50.190 |
| 2) | SA Decachlor... | 10.250 | 8.877 | 97699870 | 88842686 | 50.660 | 50.991 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.742 | 7.742 | 101.7E6 | 89726484 | 504.572 | 501.133 |
| 42) | L9 AR-1268-2 | 8.836 | 7.807 | 87505543 | 76005918 | 505.203 | 507.239 |
| 43) | L9 AR-1268-3 | 9.069 | 8.013 | 75570485 | 65882951 | 504.356 | 508.496 |
| 44) | L9 AR-1268-4 | 9.489 | 8.308 | 33480982 | 28268151 | 505.930 | 497.593 |
| 45) | L9 AR-1268-5 | 9.907 | 8.612 | 213.6E6 | 191.8E6 | 504.629 | 506.856 |

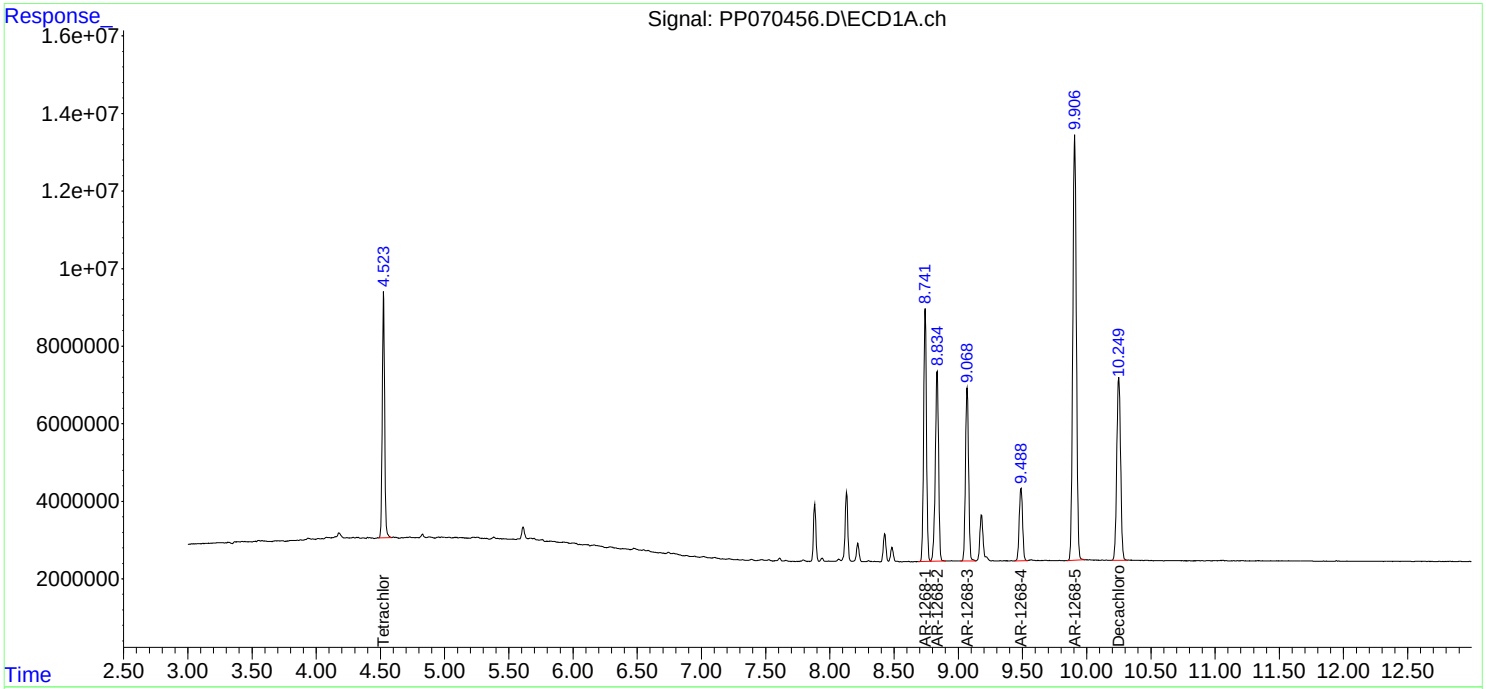
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

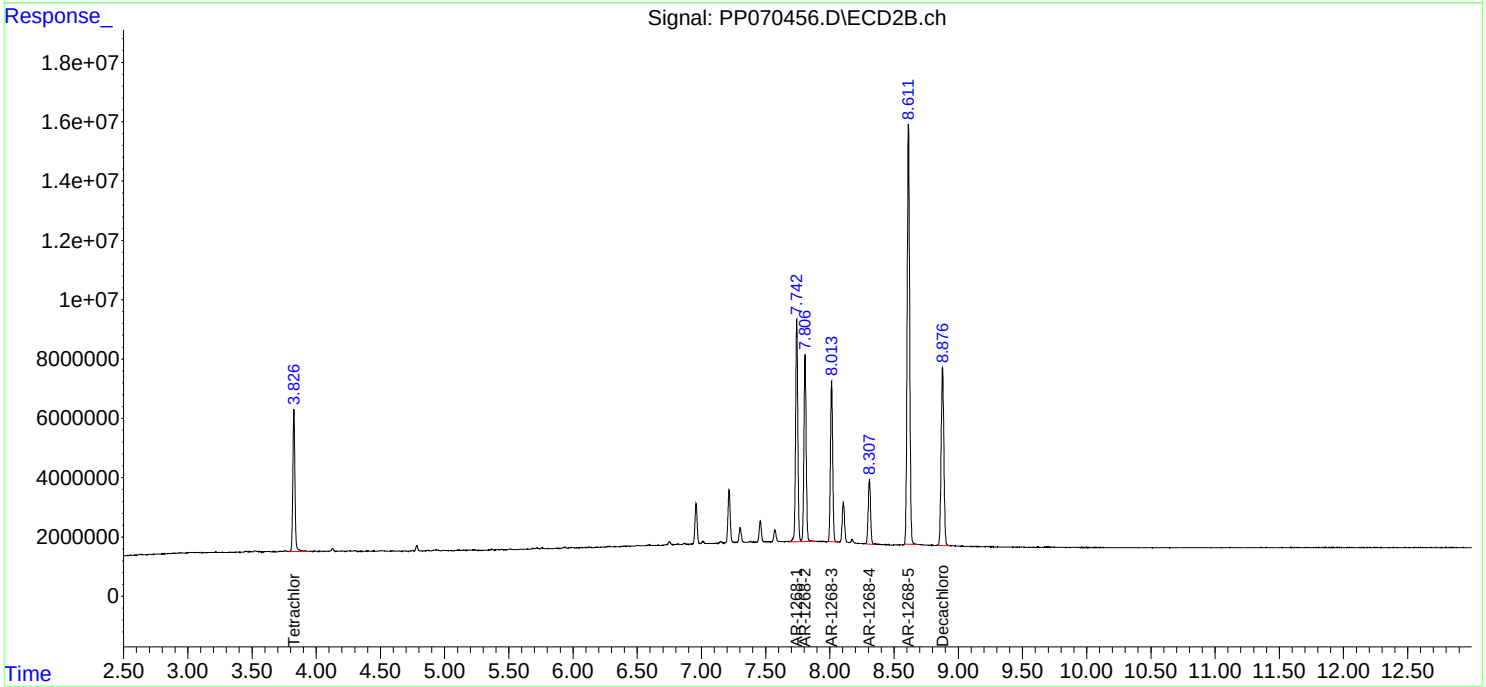
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 01:16
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 40 Sample Multiplier: 1

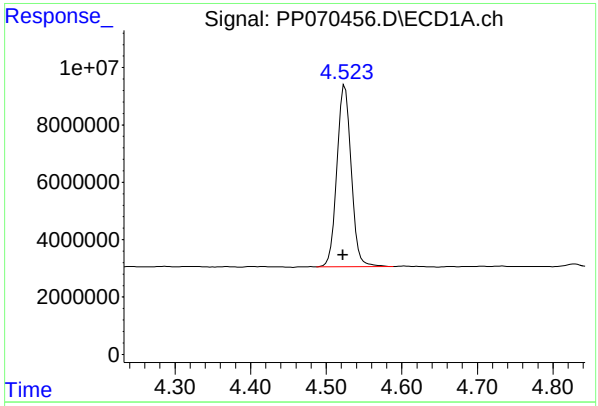
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 01:57:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 01:57:27 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



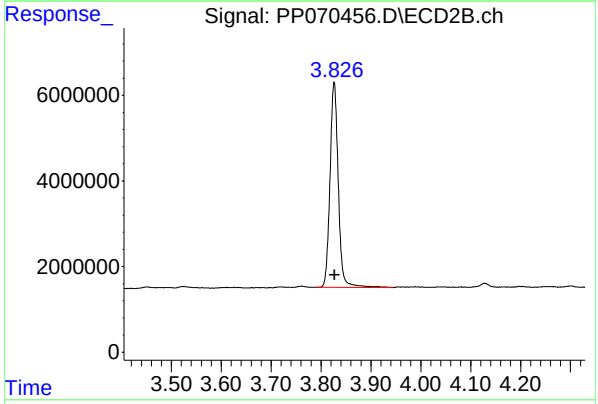






#1 Tetrachloro-m-xylene

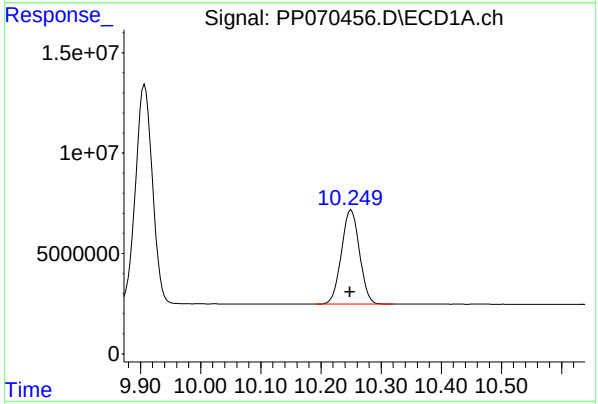
R.T.: 4.525 min
Delta R.T.: 0.003 min
Response: 82956019
Conc: 50.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268



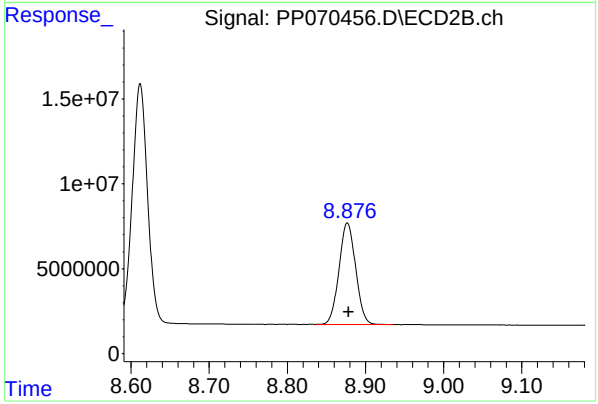

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: 0.000 min
Response: 55353504
Conc: 50.19 ng/ml



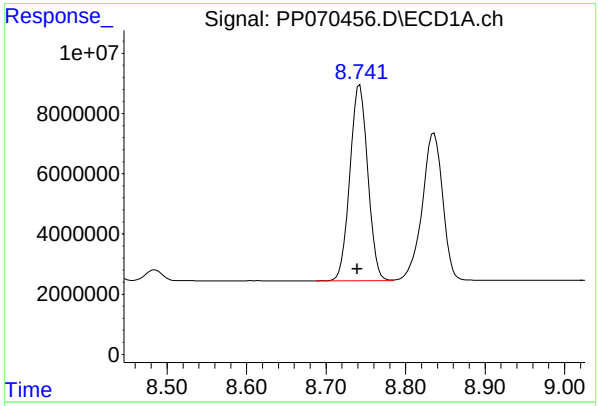

#2 Decachlorobiphenyl

R.T.: 10.250 min
Delta R.T.: 0.002 min
Response: 97699870
Conc: 50.66 ng/ml




#2 Decachlorobiphenyl

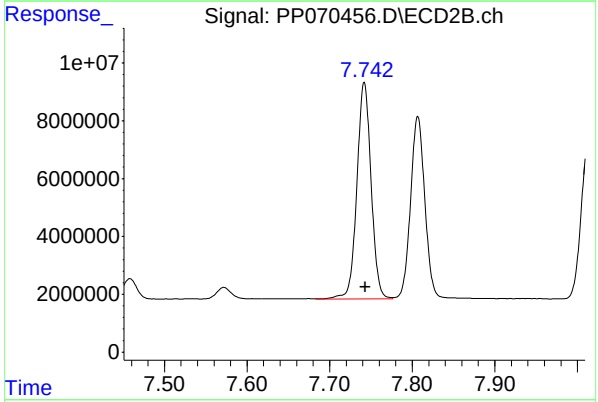
R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 88842686
Conc: 50.99 ng/ml




#41 AR-1268-1

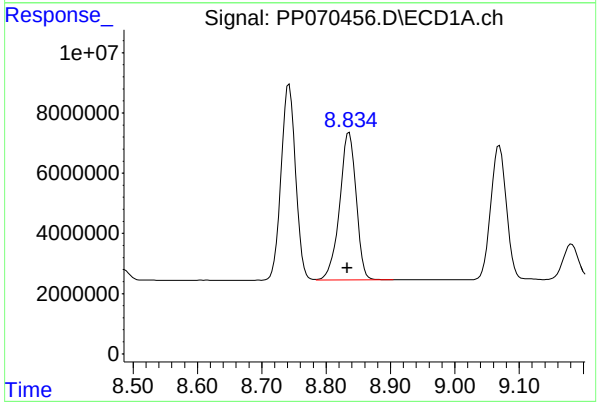
R.T.: 8.742 min
Delta R.T.: 0.003 min
Response: 101669370
Conc: 504.57 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268



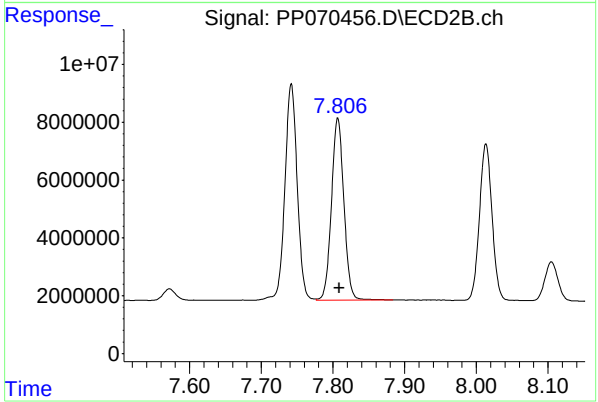

#41 AR-1268-1

R.T.: 7.742 min
Delta R.T.: -0.001 min
Response: 89726484
Conc: 501.13 ng/ml



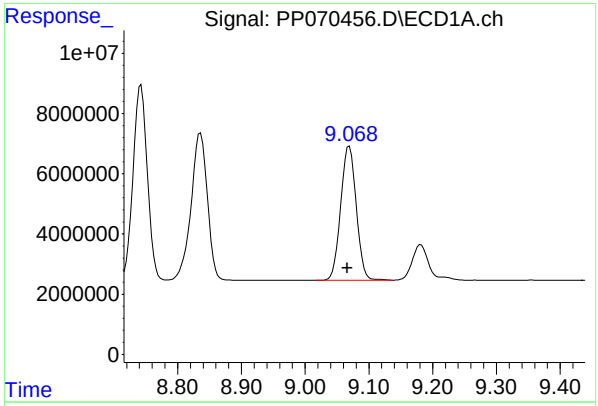

#42 AR-1268-2

R.T.: 8.836 min
Delta R.T.: 0.002 min
Response: 87505543
Conc: 505.20 ng/ml




#42 AR-1268-2

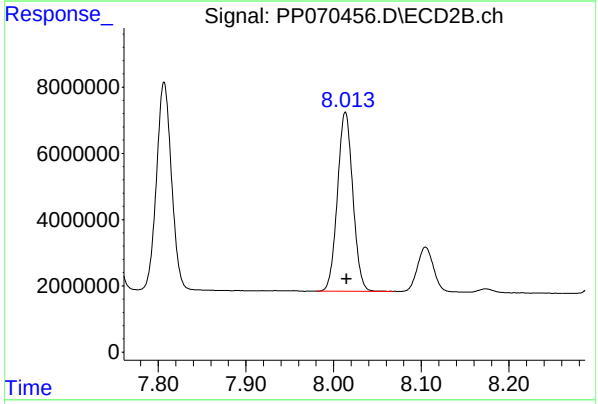
R.T.: 7.807 min
Delta R.T.: -0.002 min
Response: 76005918
Conc: 507.24 ng/ml




#43 AR-1268-3

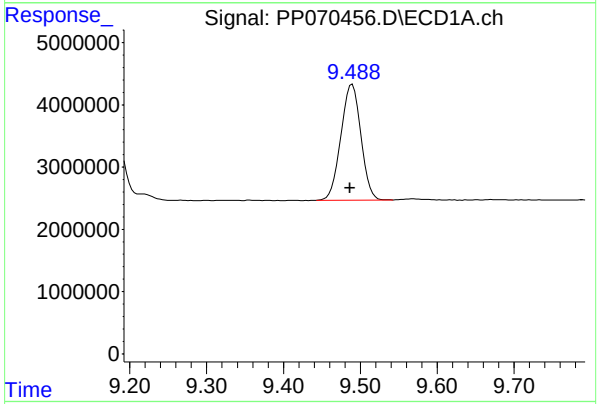
R.T.: 9.069 min
Delta R.T.: 0.003 min
Response: 75570485
Conc: 504.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268



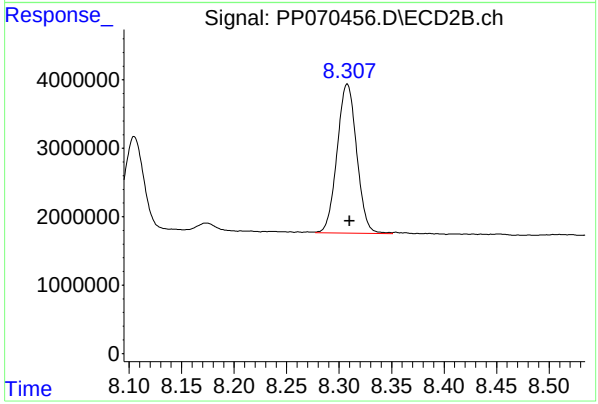

#43 AR-1268-3

R.T.: 8.013 min
Delta R.T.: -0.002 min
Response: 65882951
Conc: 508.50 ng/ml



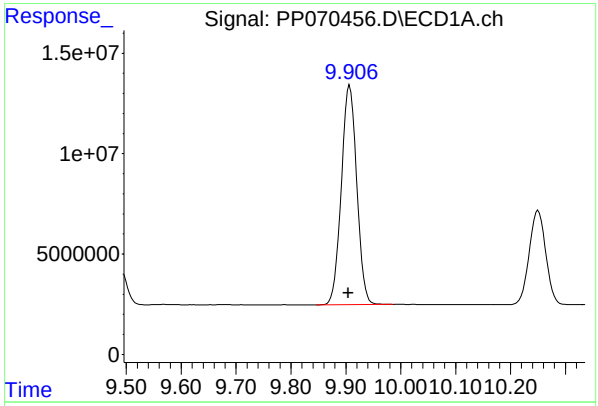

#44 AR-1268-4

R.T.: 9.489 min
Delta R.T.: 0.003 min
Response: 33480982
Conc: 505.93 ng/ml




#44 AR-1268-4

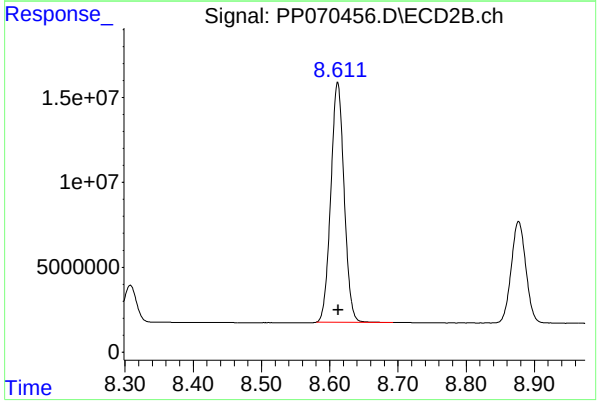
R.T.: 8.308 min
Delta R.T.: -0.002 min
Response: 28268151
Conc: 497.59 ng/ml




#45 AR-1268-5

R.T.: 9.907 min
Delta R.T.: 0.003 min
Response: 213574982
Conc: 504.63 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP031125AR1268




#45 AR-1268-5

R.T.: 8.612 min
Delta R.T.: -0.001 min
Response: 191750380
Conc: 506.86 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 14:00 **Initial Calibration Time(s):** 15:13 23:38

**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) | 5.67 | 5.68 | 5.58 | 5.78 | 0.01 |
| Aroclor-1016-2 | (2) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.86 | 5.86 | 5.76 | 5.96 | 0.00 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.00 |
| Aroclor-1260-1 | (1) | 7.27 | 7.27 | 7.17 | 7.37 | 0.00 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.10 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.42 | 8.43 | 8.33 | 8.53 | 0.01 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.15 | 10.35 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 14:00 **Initial Calibration Time(s):** 15:13 23:38

**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) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.37 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.22 | 7.22 | 7.12 | 7.32 | 0.00 |
| Aroclor-1260-5 | (5) | 7.46 | 7.46 | 7.36 | 7.56 | 0.00 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.73 | 3.93 | 0.00 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.674 | 5.577 | 5.777 | 464.700 | 500.000 | -7.1 |
| Aroclor-1016-2 | 5.696 | 5.599 | 5.799 | 510.500 | 500.000 | 2.1 |
| Aroclor-1016-3 | 5.759 | 5.661 | 5.861 | 489.260 | 500.000 | -2.1 |
| Aroclor-1016-4 | 5.856 | 5.758 | 5.958 | 488.460 | 500.000 | -2.3 |
| Aroclor-1016-5 | 6.149 | 6.051 | 6.251 | 489.200 | 500.000 | -2.2 |
| Aroclor-1260-1 | 7.268 | 7.171 | 7.371 | 520.980 | 500.000 | 4.2 |
| Aroclor-1260-2 | 7.521 | 7.425 | 7.625 | 510.080 | 500.000 | 2.0 |
| Aroclor-1260-3 | 7.880 | 7.783 | 7.983 | 512.770 | 500.000 | 2.6 |
| Aroclor-1260-4 | 8.104 | 8.008 | 8.208 | 494.890 | 500.000 | -1.0 |
| Aroclor-1260-5 | 8.424 | 8.328 | 8.528 | 504.270 | 500.000 | 0.9 |
| Decachlorobiphenyl | 10.245 | 10.152 | 10.352 | 50.120 | 50.000 | 0.2 |
| Tetrachloro-m-xylene | 4.523 | 4.424 | 4.624 | 48.210 | 50.000 | -3.6 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070589.D **Time Analyzed:** 14:00

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.913 | 4.817 | 5.017 | 513.500 | 500.000 | 2.7 |
| Aroclor-1016-2 | 4.932 | 4.836 | 5.036 | 494.410 | 500.000 | -1.1 |
| Aroclor-1016-3 | 5.109 | 5.013 | 5.213 | 506.870 | 500.000 | 1.4 |
| Aroclor-1016-4 | 5.150 | 5.054 | 5.254 | 516.010 | 500.000 | 3.2 |
| Aroclor-1016-5 | 5.365 | 5.270 | 5.470 | 506.660 | 500.000 | 1.3 |
| Aroclor-1260-1 | 6.402 | 6.307 | 6.507 | 504.610 | 500.000 | 0.9 |
| Aroclor-1260-2 | 6.590 | 6.495 | 6.695 | 495.670 | 500.000 | -0.9 |
| Aroclor-1260-3 | 6.744 | 6.649 | 6.849 | 493.220 | 500.000 | -1.4 |
| Aroclor-1260-4 | 7.215 | 7.121 | 7.321 | 472.030 | 500.000 | -5.6 |
| Aroclor-1260-5 | 7.456 | 7.362 | 7.562 | 467.540 | 500.000 | -6.5 |
| Decachlorobiphenyl | 8.874 | 8.781 | 8.981 | 46.020 | 50.000 | -8.0 |
| Tetrachloro-m-xylene | 3.826 | 3.729 | 3.929 | 51.360 | 50.000 | 2.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
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: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.523 | 3.826 | 74983034 | 51473099 | 48.209 | 51.356 |
| 2) | SA Decachlor... | 10.245 | 8.874 | 53242264 | 45022317 | 50.118 | 46.018 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.674 | 4.913 | 24095295 | 18461721 | 464.701 | 513.503 |
| 4) | L1 AR-1016-2 | 5.696 | 4.932 | 36523489 | 25692761 | 510.498 | 494.408 |
| 5) | L1 AR-1016-3 | 5.759 | 5.109 | 22280060 | 14422233 | 489.264 | 506.872 |
| 6) | L1 AR-1016-4 | 5.856 | 5.150 | 19068242 | 11553330 | 488.456 | 516.006 |
| 7) | L1 AR-1016-5 | 6.149 | 5.365 | 16937091 | 15057475 | 489.200 | 506.664 |
| 31) | L7 AR-1260-1 | 7.268 | 6.402 | 30601597 | 25121600 | 520.983 | 504.608 |
| 32) | L7 AR-1260-2 | 7.521 | 6.590 | 41848207 | 32757904 | 510.076 | 495.675 |
| 33) | L7 AR-1260-3 | 7.880 | 6.744 | 33718797 | 28211056 | 512.774 | 493.223 |
| 34) | L7 AR-1260-4 | 8.104 | 7.215 | 32337322 | 24150825 | 494.888 | 472.032 |
| 35) | L7 AR-1260-5 | 8.424 | 7.456 | 68921769 | 60212728 | 504.265 | 467.544 |

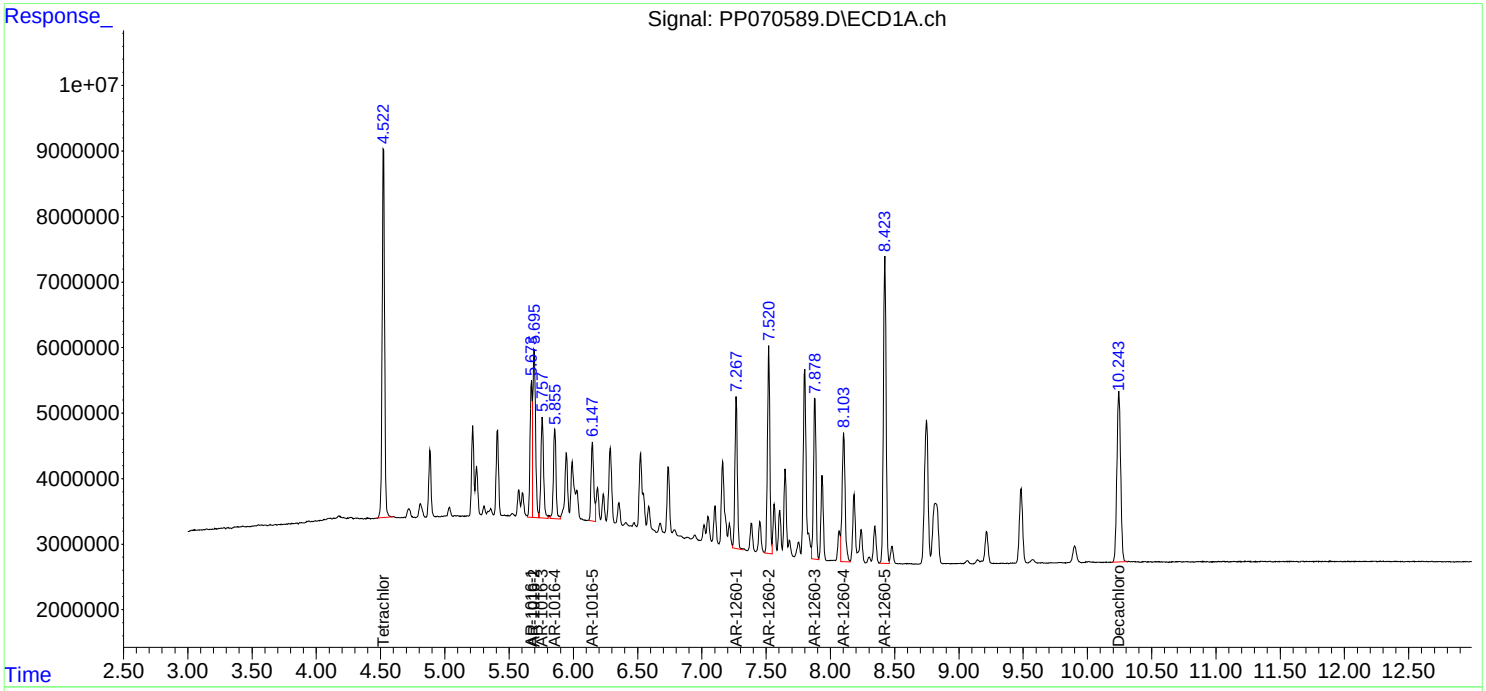
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

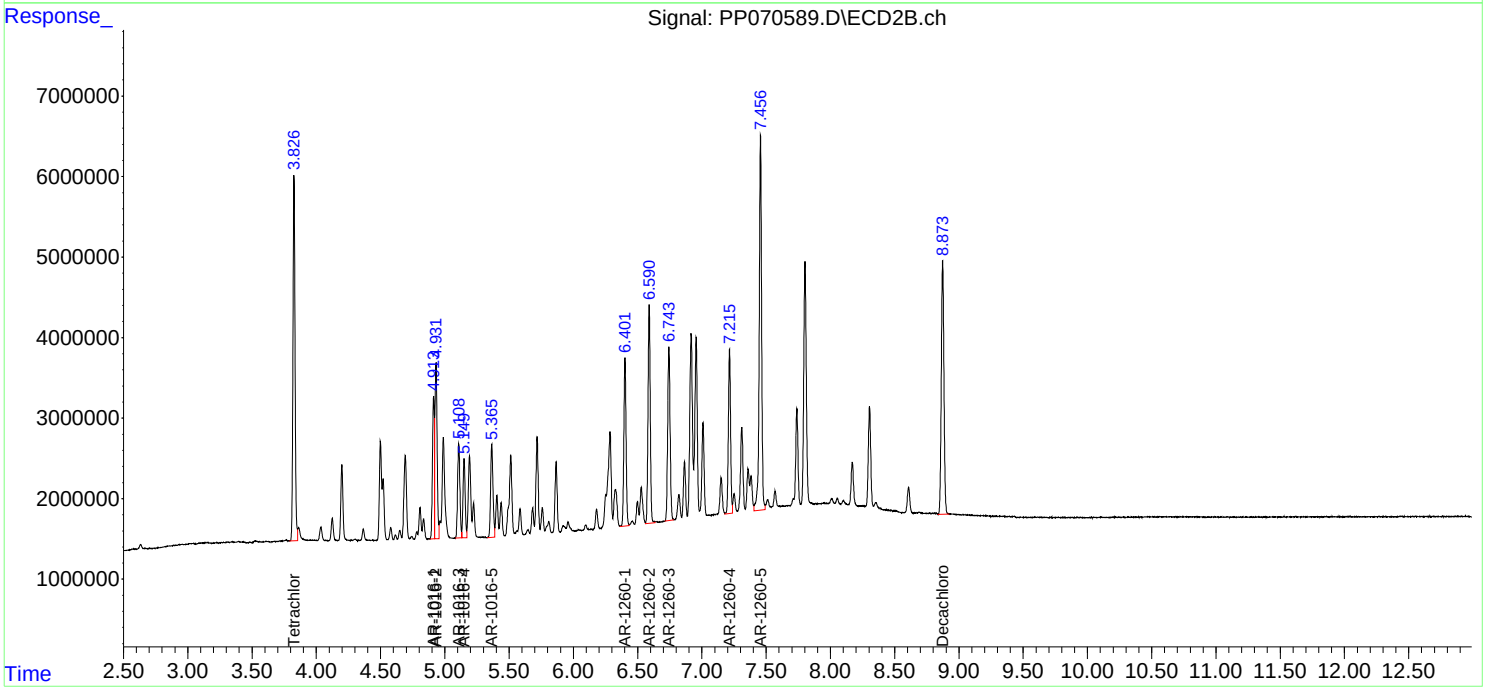
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 14:00
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

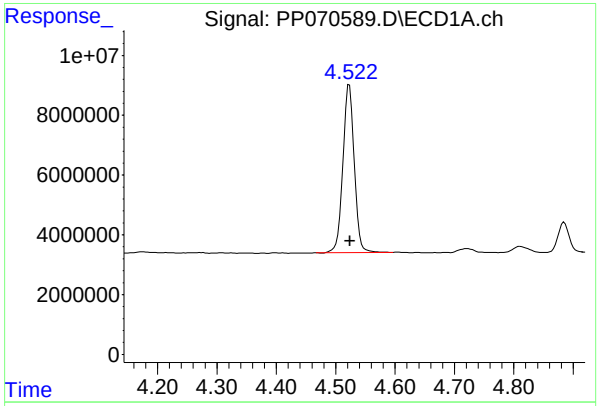
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



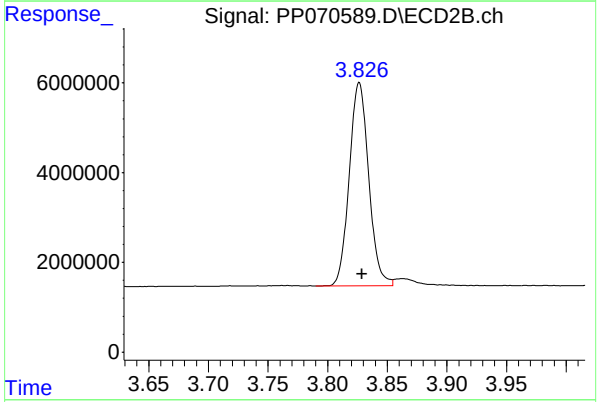






#1 Tetrachloro-m-xylene

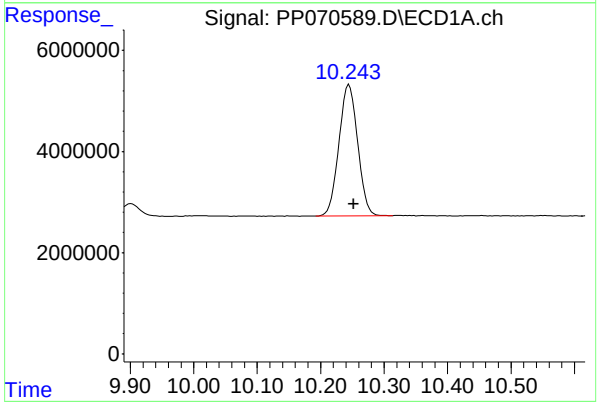
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 74983034
Conc: 48.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



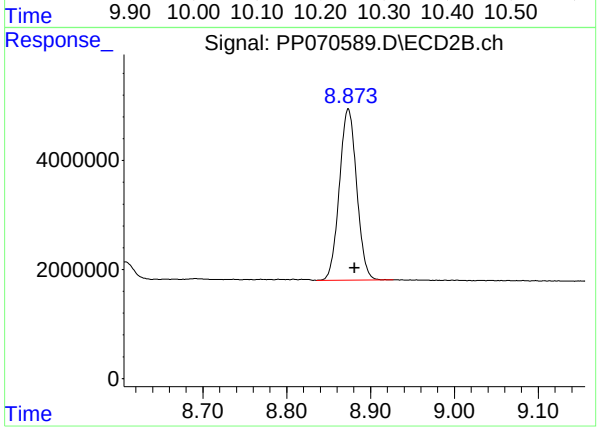

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.002 min
Response: 51473099
Conc: 51.36 ng/ml



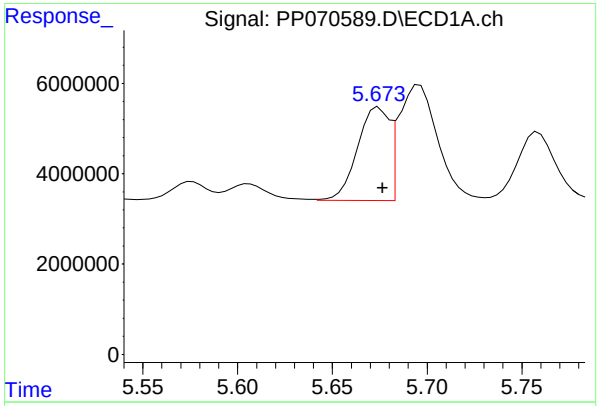

#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 53242264
Conc: 50.12 ng/ml




#2 Decachlorobiphenyl

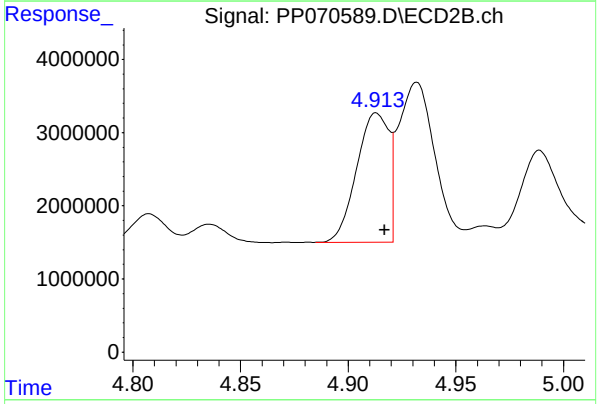
R.T.: 8.874 min
Delta R.T.: -0.008 min
Response: 45022317
Conc: 46.02 ng/ml




#3 AR-1016-1

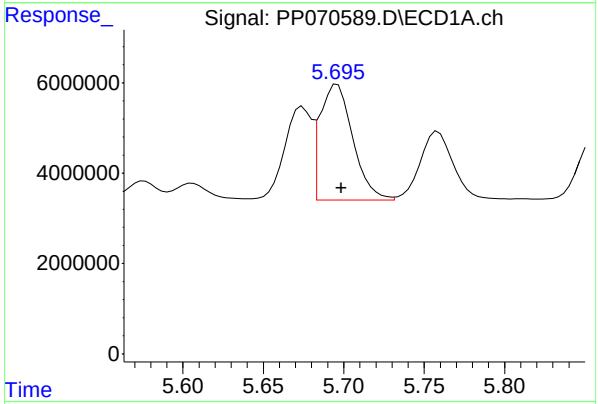
R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24095295
Conc: 464.70 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



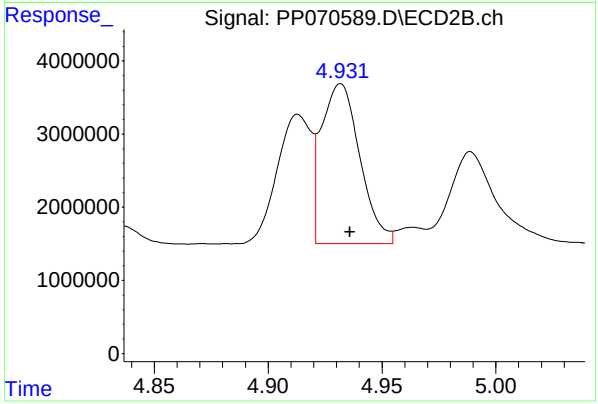

#3 AR-1016-1

R.T.: 4.913 min
Delta R.T.: -0.004 min
Response: 18461721
Conc: 513.50 ng/ml



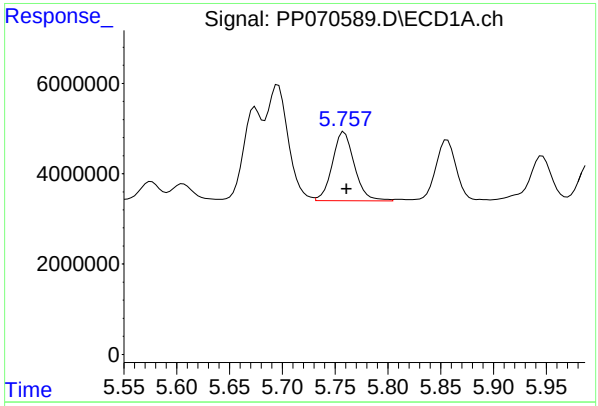

#4 AR-1016-2

R.T.: 5.696 min
Delta R.T.: -0.003 min
Response: 36523489
Conc: 510.50 ng/ml




#4 AR-1016-2

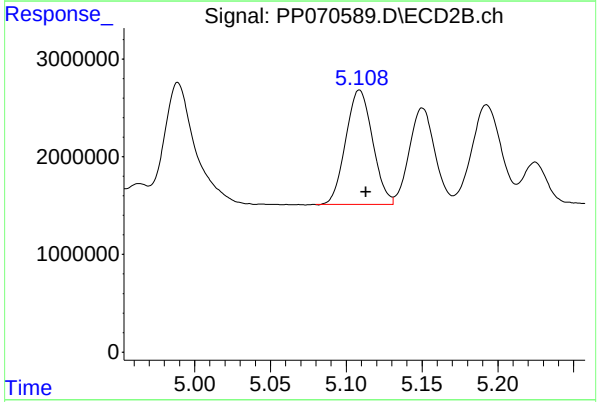
R.T.: 4.932 min
Delta R.T.: -0.004 min
Response: 25692761
Conc: 494.41 ng/ml




#5 AR-1016-3

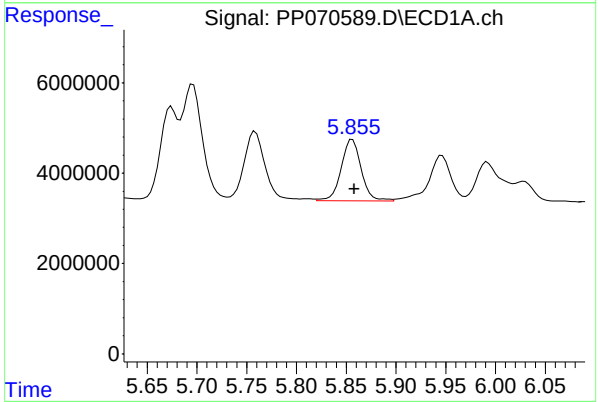
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 22280060
Conc: 489.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



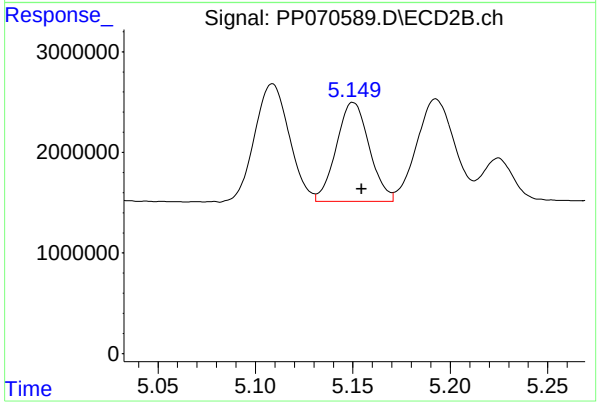

#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14422233
Conc: 506.87 ng/ml



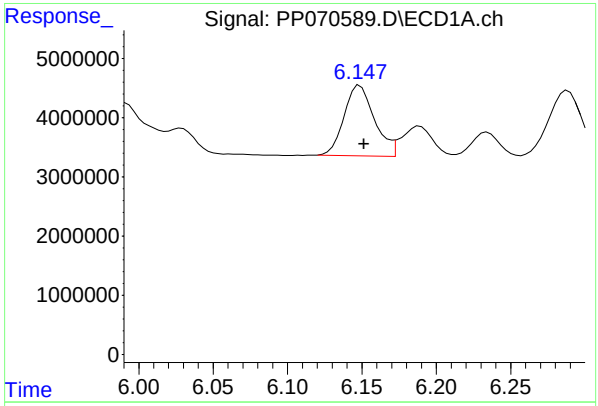

#6 AR-1016-4

R.T.: 5.856 min
Delta R.T.: -0.002 min
Response: 19068242
Conc: 488.46 ng/ml




#6 AR-1016-4

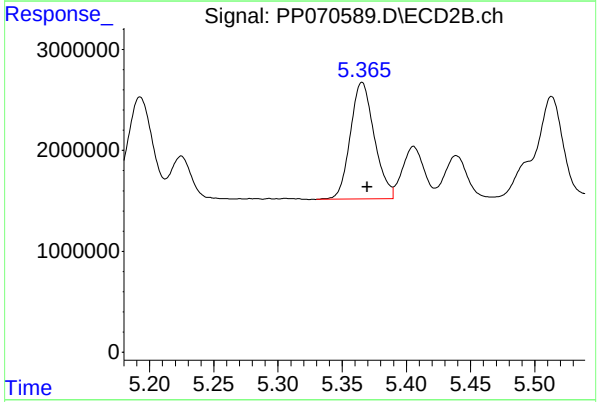
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11553330
Conc: 516.01 ng/ml




#7 AR-1016-5

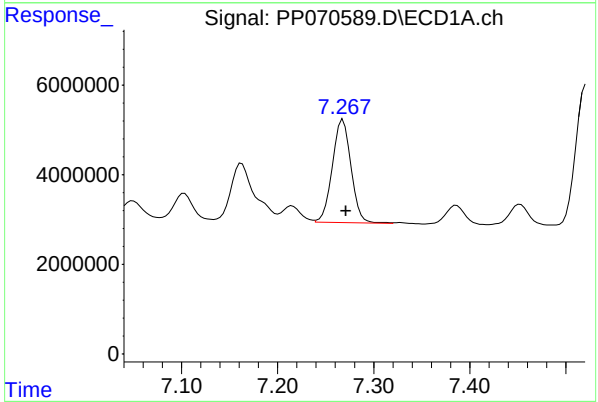
R.T.: 6.149 min
Delta R.T.: -0.003 min
Response: 16937091
Conc: 489.20 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



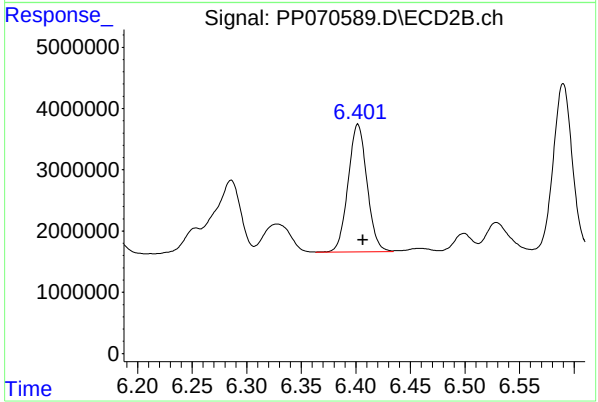

#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.004 min
Response: 15057475
Conc: 506.66 ng/ml



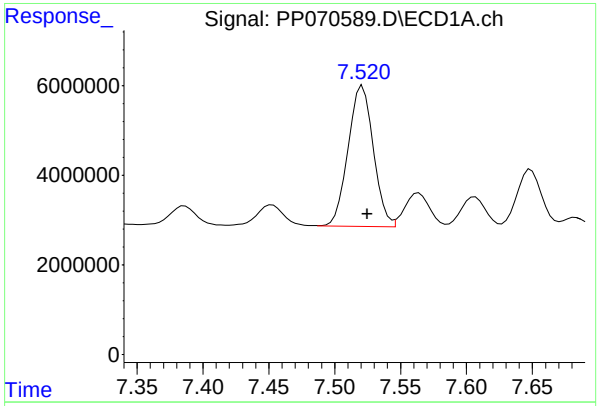

#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 30601597
Conc: 520.98 ng/ml




#31 AR-1260-1

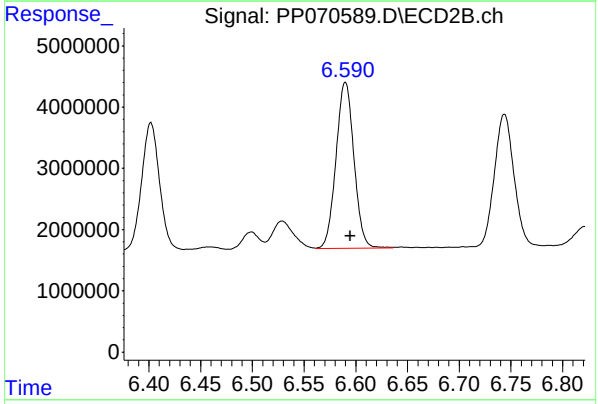
R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 25121600
Conc: 504.61 ng/ml




#32 AR-1260-2

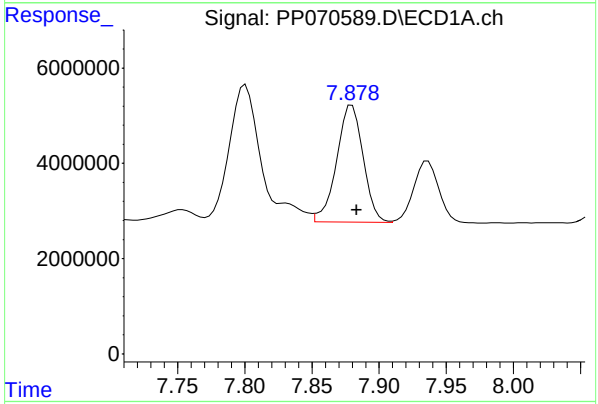
R.T.: 7.521 min
Delta R.T.: -0.004 min
Response: 41848207
Conc: 510.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



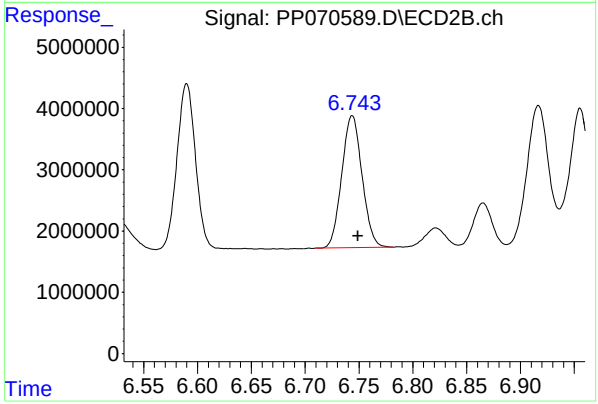

#32 AR-1260-2

R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 32757904
Conc: 495.67 ng/ml



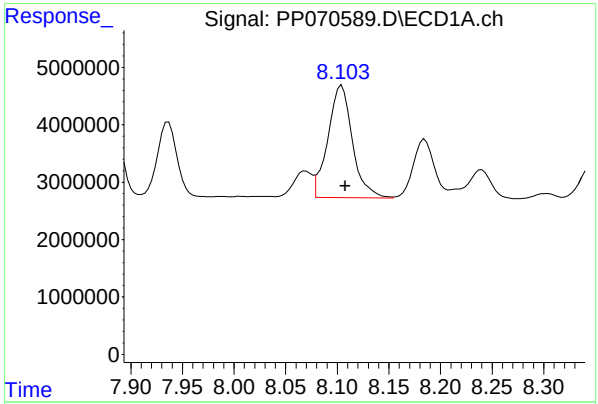

#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33718797
Conc: 512.77 ng/ml




#33 AR-1260-3

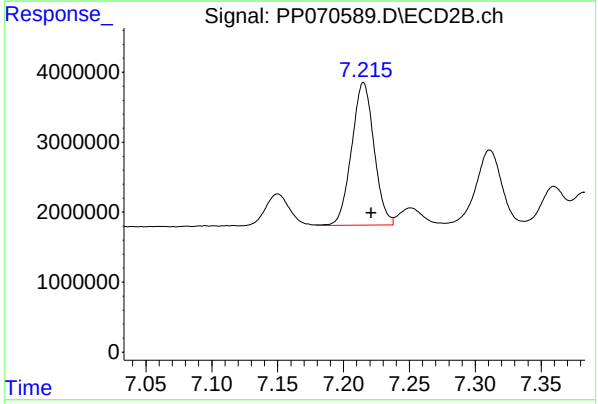
R.T.: 6.744 min
Delta R.T.: -0.005 min
Response: 28211056
Conc: 493.22 ng/ml




#34 AR-1260-4

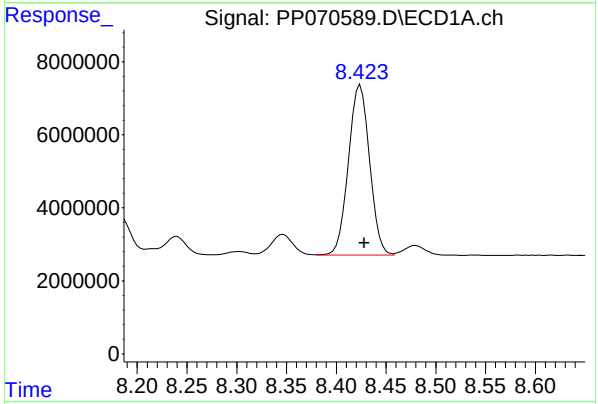
R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 32337322
Conc: 494.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



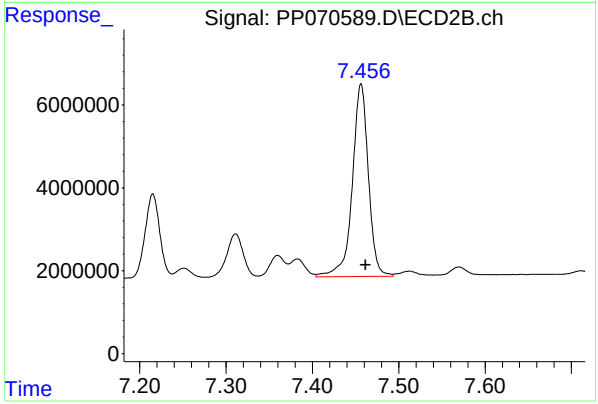

#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 24150825
Conc: 472.03 ng/ml




#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 68921769
Conc: 504.27 ng/ml




#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.005 min
Response: 60212728
Conc: 467.54 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 18:37 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Aroclor-1016-2 | (2) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.86 | 5.86 | 5.76 | 5.96 | 0.00 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.00 |
| Aroclor-1260-1 | (1) | 7.27 | 7.27 | 7.17 | 7.37 | 0.00 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.11 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.43 | 8.43 | 8.33 | 8.53 | 0.00 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.24 | 10.25 | 10.15 | 10.35 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 18:37 **Initial Calibration Time(s):** 15:13 23:38

**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) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.22 | 7.12 | 7.32 | 0.01 |
| Aroclor-1260-5 | (5) | 7.46 | 7.46 | 7.36 | 7.56 | 0.01 |
| Tetrachloro-m-xylene | | 3.82 | 3.83 | 3.73 | 3.93 | 0.01 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.675 | 5.577 | 5.777 | 469.500 | 500.000 | -6.1 |
| Aroclor-1016-2 | 5.697 | 5.599 | 5.799 | 514.170 | 500.000 | 2.8 |
| Aroclor-1016-3 | 5.760 | 5.661 | 5.861 | 487.100 | 500.000 | -2.6 |
| Aroclor-1016-4 | 5.857 | 5.758 | 5.958 | 482.110 | 500.000 | -3.6 |
| Aroclor-1016-5 | 6.150 | 6.051 | 6.251 | 481.210 | 500.000 | -3.8 |
| Aroclor-1260-1 | 7.268 | 7.171 | 7.371 | 506.790 | 500.000 | 1.4 |
| Aroclor-1260-2 | 7.522 | 7.425 | 7.625 | 510.190 | 500.000 | 2.0 |
| Aroclor-1260-3 | 7.880 | 7.783 | 7.983 | 511.570 | 500.000 | 2.3 |
| Aroclor-1260-4 | 8.105 | 8.008 | 8.208 | 492.860 | 500.000 | -1.4 |
| Aroclor-1260-5 | 8.425 | 8.328 | 8.528 | 503.040 | 500.000 | 0.6 |
| Decachlorobiphenyl | 10.243 | 10.152 | 10.352 | 49.810 | 50.000 | -0.4 |
| Tetrachloro-m-xylene | 4.524 | 4.424 | 4.624 | 49.030 | 50.000 | -1.9 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070604.D **Time Analyzed:** 18:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.911 | 4.817 | 5.017 | 510.710 | 500.000 | 2.1 |
| Aroclor-1016-2 | 4.930 | 4.836 | 5.036 | 494.880 | 500.000 | -1.0 |
| Aroclor-1016-3 | 5.107 | 5.013 | 5.213 | 500.540 | 500.000 | 0.1 |
| Aroclor-1016-4 | 5.149 | 5.054 | 5.254 | 510.540 | 500.000 | 2.1 |
| Aroclor-1016-5 | 5.364 | 5.270 | 5.470 | 504.900 | 500.000 | 1.0 |
| Aroclor-1260-1 | 6.400 | 6.307 | 6.507 | 489.900 | 500.000 | -2.0 |
| Aroclor-1260-2 | 6.588 | 6.495 | 6.695 | 481.780 | 500.000 | -3.6 |
| Aroclor-1260-3 | 6.742 | 6.649 | 6.849 | 478.610 | 500.000 | -4.3 |
| Aroclor-1260-4 | 7.214 | 7.121 | 7.321 | 459.970 | 500.000 | -8.0 |
| Aroclor-1260-5 | 7.455 | 7.362 | 7.562 | 464.860 | 500.000 | -7.0 |
| Decachlorobiphenyl | 8.871 | 8.781 | 8.981 | 44.050 | 50.000 | -11.9 |
| Tetrachloro-m-xylene | 3.824 | 3.729 | 3.929 | 49.130 | 50.000 | -1.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
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: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.524 | 3.824 | 76258811 | 49244994 | 49.029 | 49.133 |
| 2) | SA Decachlor... | 10.243 | 8.871 | 52919666 | 43098503 | 49.814 | 44.052 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.675 | 4.911 | 24343910 | 18361448 | 469.496 | 510.714 |
| 4) | L1 AR-1016-2 | 5.697 | 4.930 | 36785899 | 25717136 | 514.166 | 494.878 |
| 5) | L1 AR-1016-3 | 5.760 | 5.107 | 22181610 | 14242067 | 487.102 | 500.540 |
| 6) | L1 AR-1016-4 | 5.857 | 5.149 | 18820671 | 11430831 | 482.114 | 510.535 |
| 7) | L1 AR-1016-5 | 6.150 | 5.364 | 16660399 | 15004914 | 481.208 | 504.895 |
| 31) | L7 AR-1260-1 | 7.268 | 6.400 | 29767974 | 24389180 | 506.791 | 489.896 |
| 32) | L7 AR-1260-2 | 7.522 | 6.588 | 41857489 | 31839717 | 510.190 | 481.781 |
| 33) | L7 AR-1260-3 | 7.880 | 6.742 | 33639499 | 27375384 | 511.568 | 478.613 |
| 34) | L7 AR-1260-4 | 8.105 | 7.214 | 32204834 | 23533676 | 492.860 | 459.970 |
| 35) | L7 AR-1260-5 | 8.425 | 7.455 | 68754168 | 59867104 | 503.039 | 464.860 |

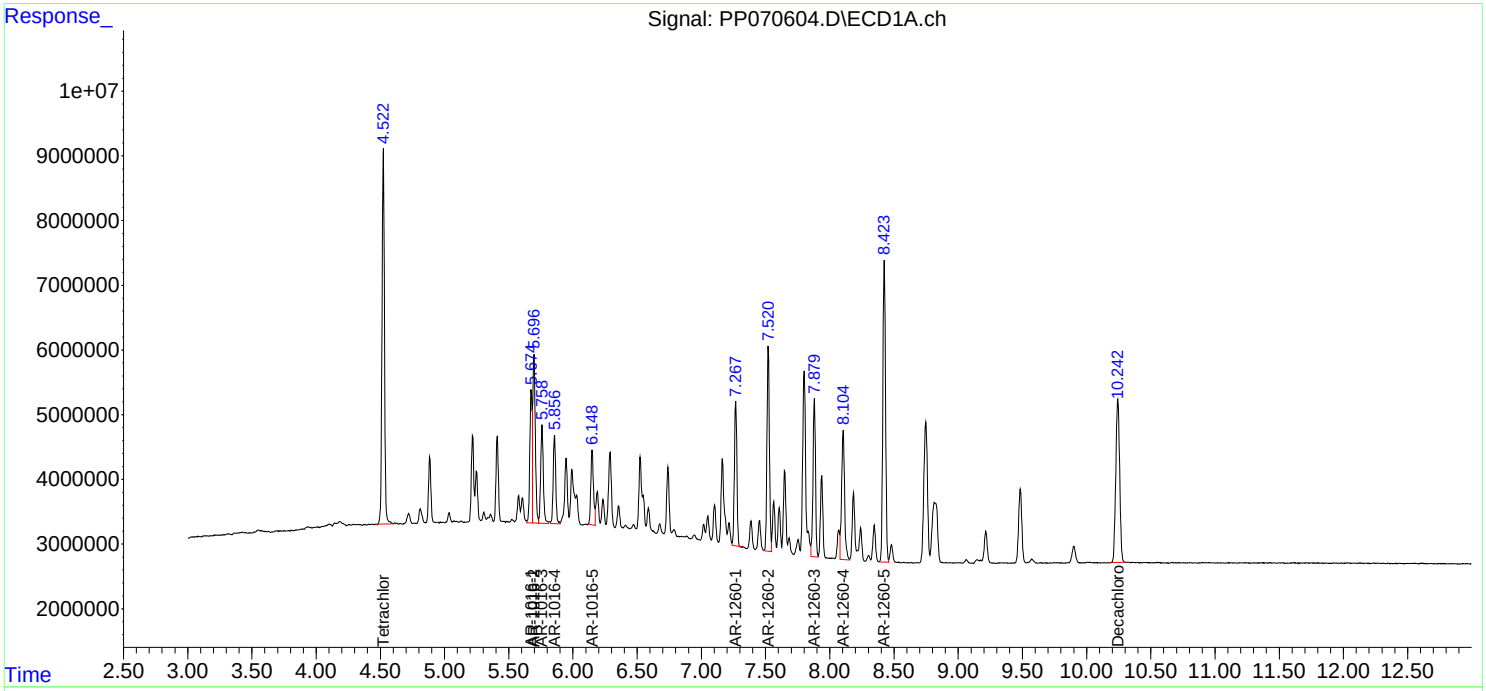
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

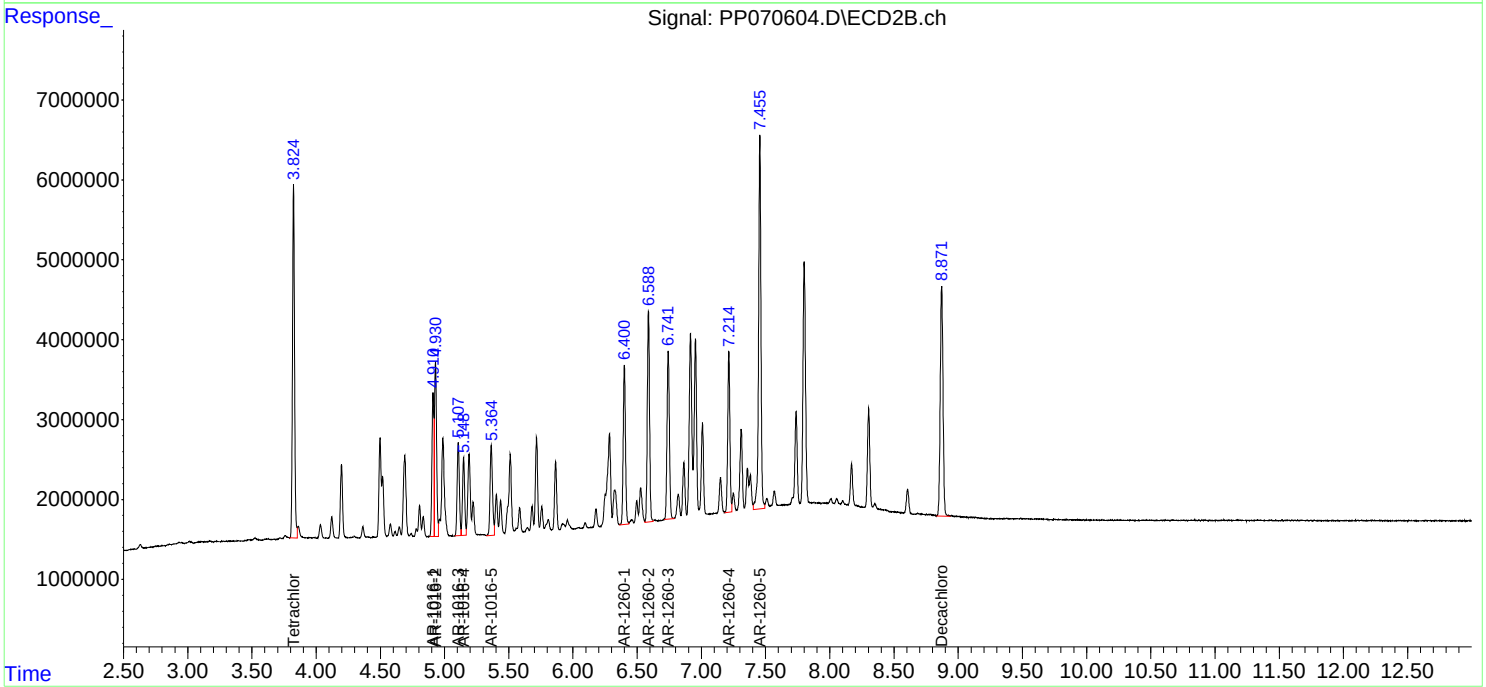
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 18:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

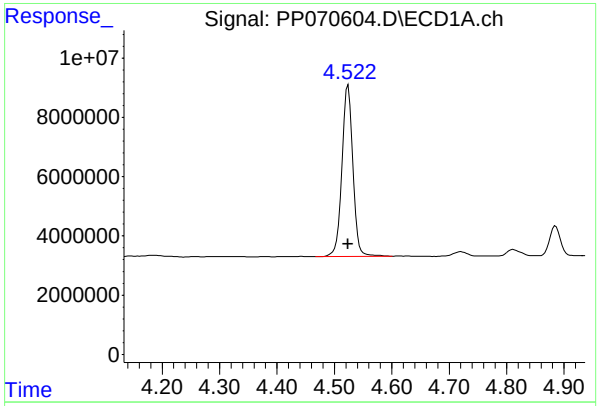
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



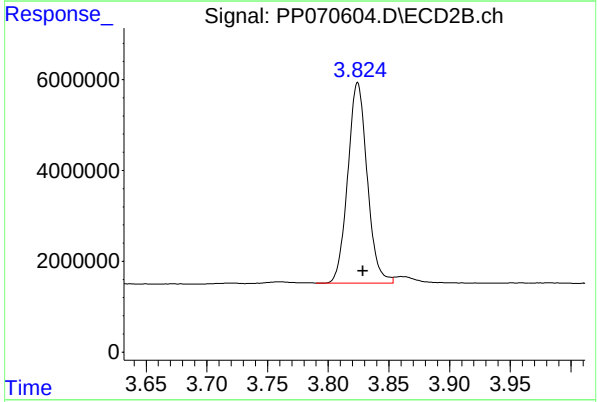






#1 Tetrachloro-m-xylene

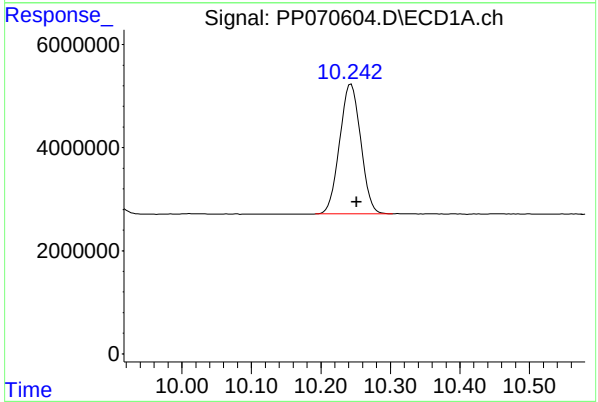
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 76258811
Conc: 49.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



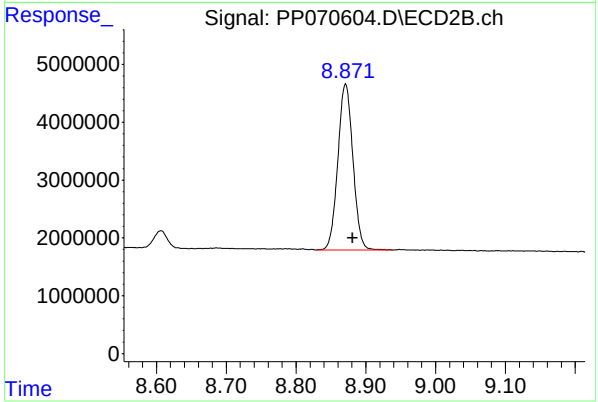

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.004 min
Response: 49244994
Conc: 49.13 ng/ml



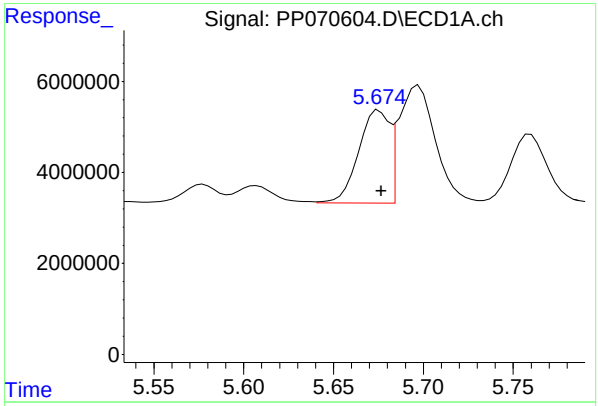

#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.008 min
Response: 52919666
Conc: 49.81 ng/ml




#2 Decachlorobiphenyl

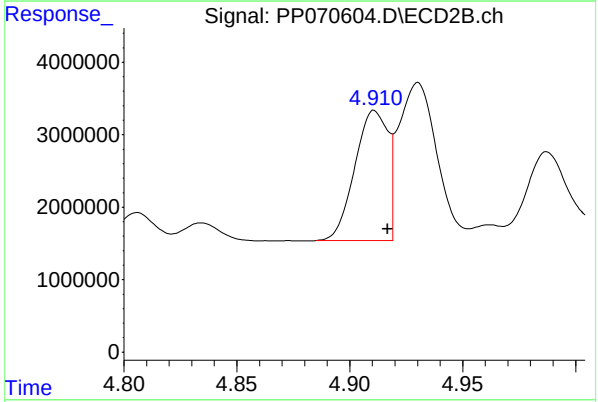
R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 43098503
Conc: 44.05 ng/ml




#3 AR-1016-1

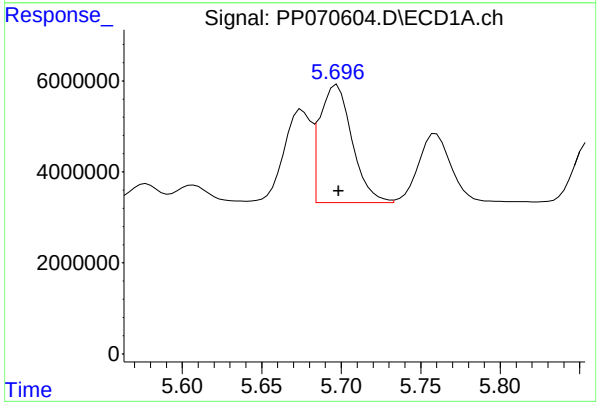
R.T.: 5.675 min
Delta R.T.: -0.001 min
Response: 24343910
Conc: 469.50 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



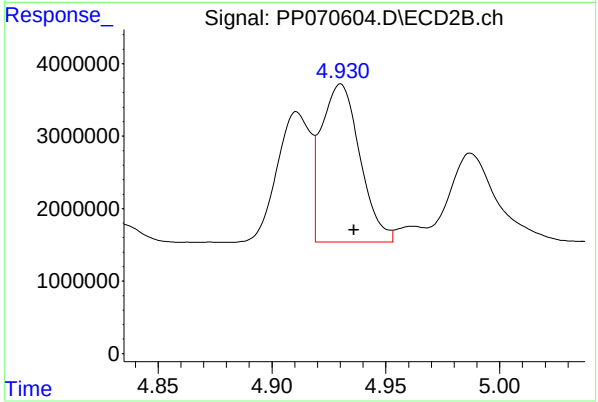

#3 AR-1016-1

R.T.: 4.911 min
Delta R.T.: -0.006 min
Response: 18361448
Conc: 510.71 ng/ml



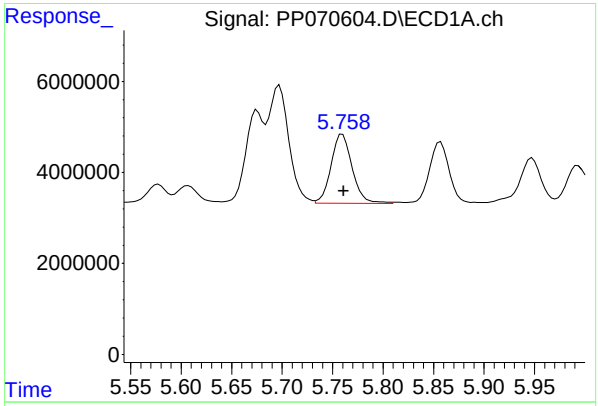

#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 36785899
Conc: 514.17 ng/ml




#4 AR-1016-2

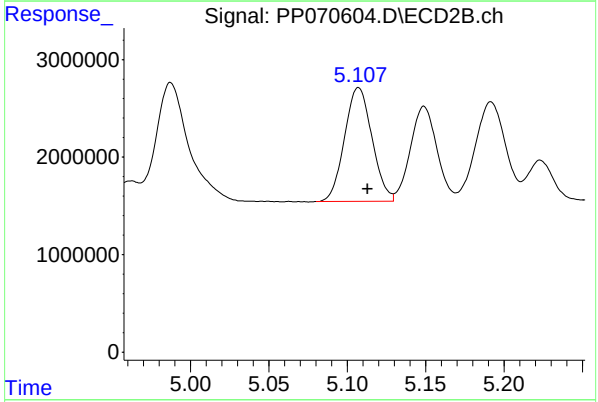
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 25717136
Conc: 494.88 ng/ml




#5 AR-1016-3

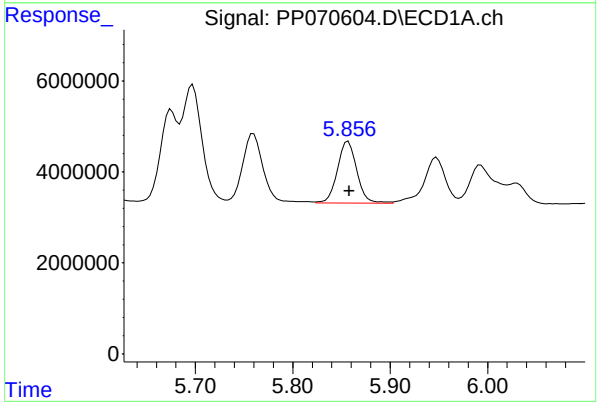
R.T.: 5.760 min
Delta R.T.: -0.001 min
Response: 22181610
Conc: 487.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



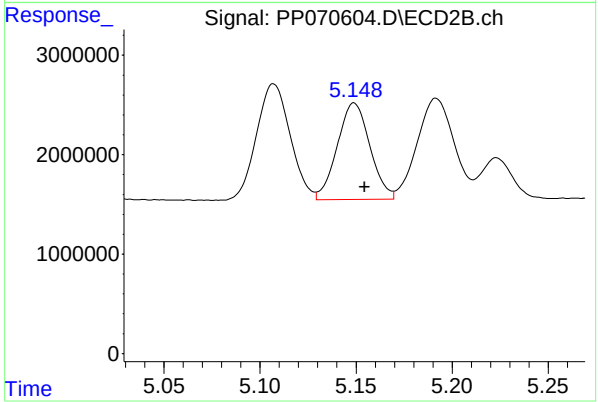

#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14242067
Conc: 500.54 ng/ml



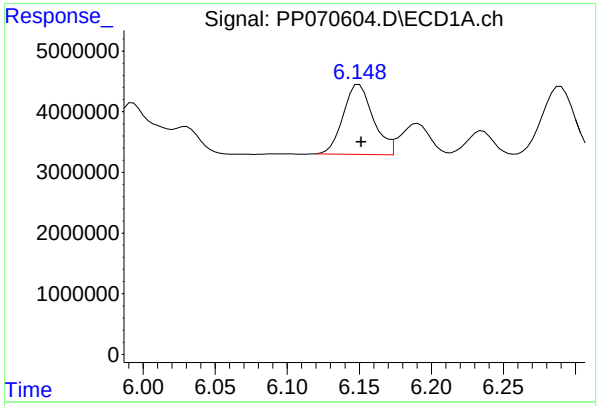

#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 18820671
Conc: 482.11 ng/ml




#6 AR-1016-4

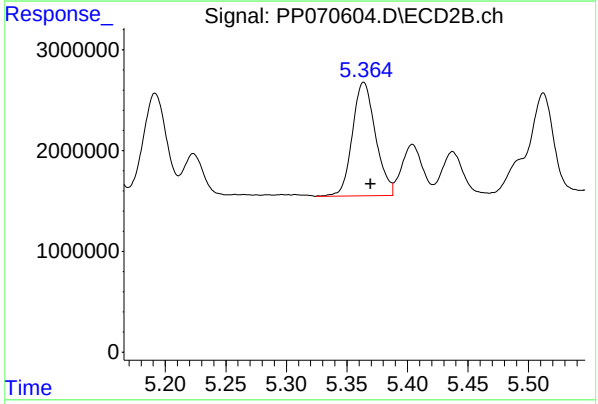
R.T.: 5.149 min
Delta R.T.: -0.006 min
Response: 11430831
Conc: 510.54 ng/ml




#7 AR-1016-5

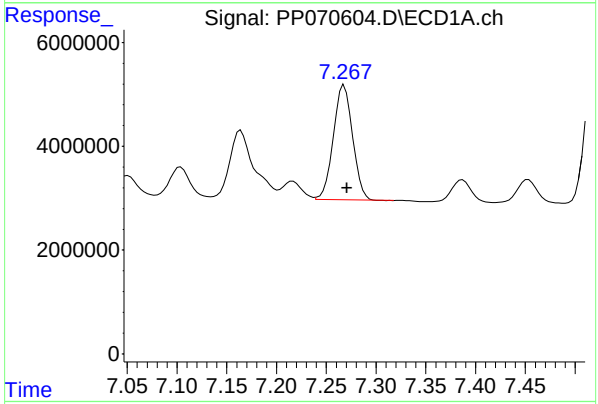
R.T.: 6.150 min
Delta R.T.: -0.002 min
Response: 16660399
Conc: 481.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



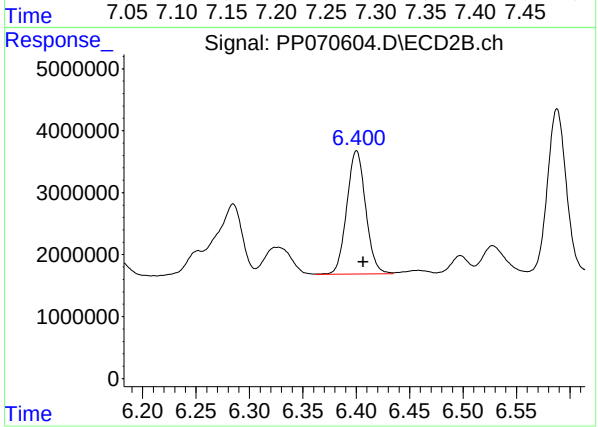

#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 15004914
Conc: 504.90 ng/ml



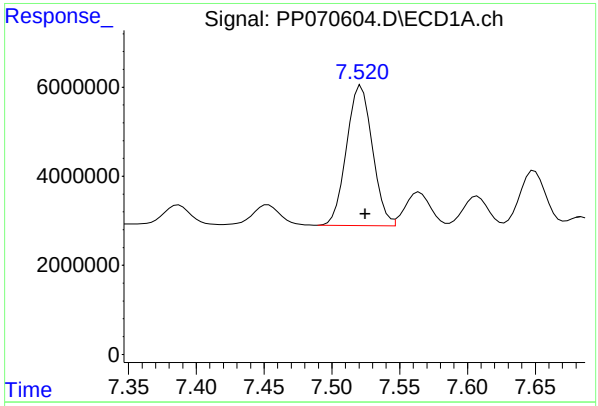

#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 29767974
Conc: 506.79 ng/ml




#31 AR-1260-1

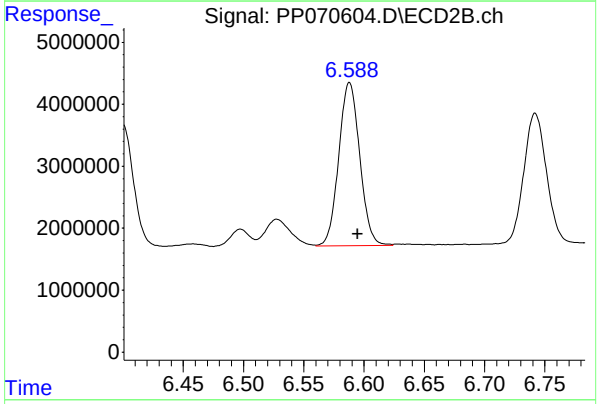
R.T.: 6.400 min
Delta R.T.: -0.006 min
Response: 24389180
Conc: 489.90 ng/ml




#32 AR-1260-2

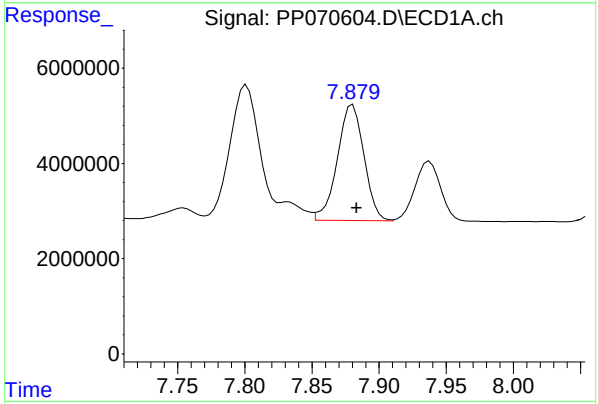
R.T.: 7.522 min
Delta R.T.: -0.003 min
Response: 41857489
Conc: 510.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



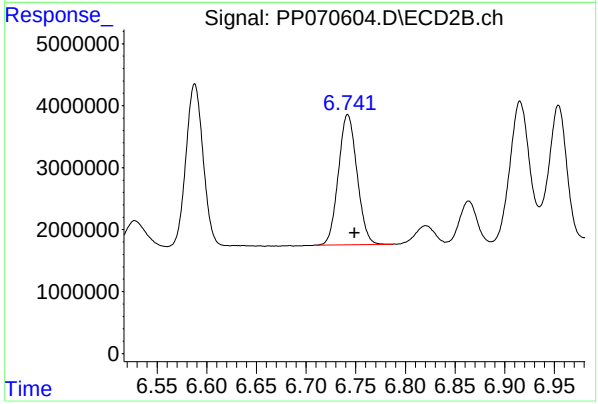

#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 31839717
Conc: 481.78 ng/ml



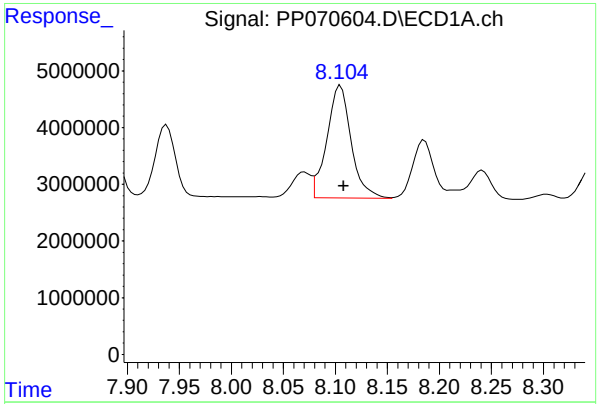

#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 33639499
Conc: 511.57 ng/ml




#33 AR-1260-3

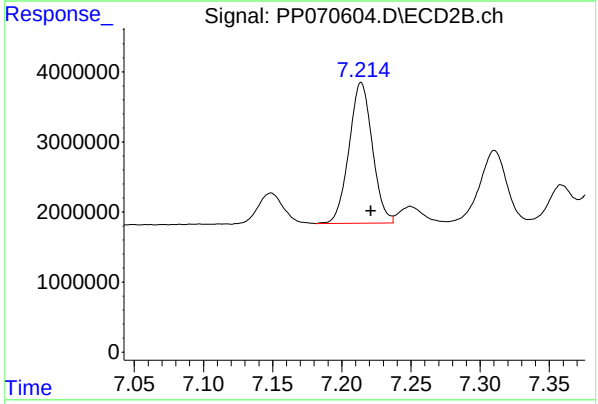
R.T.: 6.742 min
Delta R.T.: -0.007 min
Response: 27375384
Conc: 478.61 ng/ml




#34 AR-1260-4

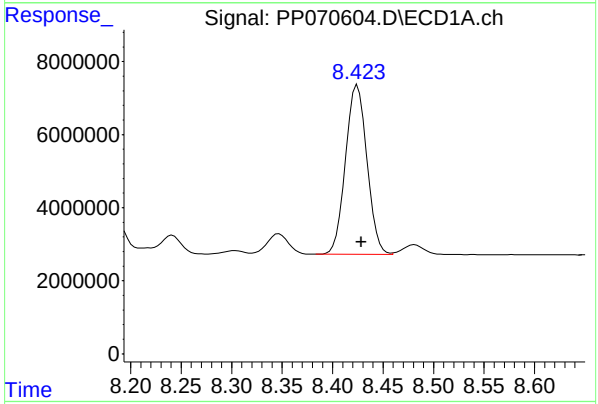
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 32204834
Conc: 492.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



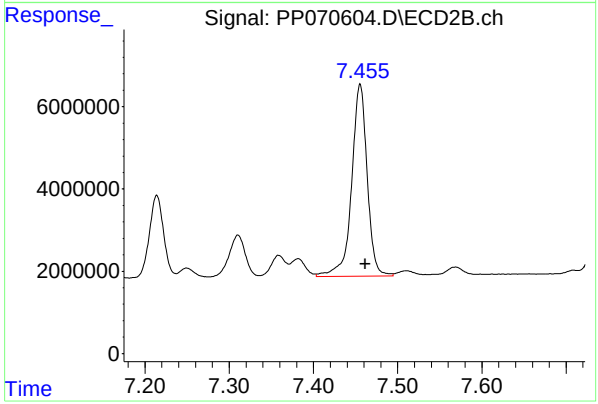

#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 23533676
Conc: 459.97 ng/ml




#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 68754168
Conc: 503.04 ng/ml




#35 AR-1260-5

R.T.: 7.455 min
Delta R.T.: -0.006 min
Response: 59867104
Conc: 464.86 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 23:13 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.67 | 5.68 | 5.58 | 5.78 | 0.01 |
| Aroclor-1016-2 | (2) | 5.69 | 5.70 | 5.60 | 5.80 | 0.01 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.85 | 5.86 | 5.76 | 5.96 | 0.01 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.01 |
| Aroclor-1260-1 | (1) | 7.26 | 7.27 | 7.17 | 7.37 | 0.01 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.10 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.42 | 8.43 | 8.33 | 8.53 | 0.01 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.24 | 10.25 | 10.15 | 10.35 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/17/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 23:13 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.22 | 7.12 | 7.32 | 0.01 |
| Aroclor-1260-5 | (5) | 7.45 | 7.46 | 7.36 | 7.56 | 0.01 |
| Tetrachloro-m-xylene | | 3.82 | 3.83 | 3.73 | 3.93 | 0.01 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070619.D **Time Analyzed:** 23:13

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.671 | 5.577 | 5.777 | 479.620 | 500.000 | -4.1 |
| Aroclor-1016-2 | 5.693 | 5.599 | 5.799 | 505.960 | 500.000 | 1.2 |
| Aroclor-1016-3 | 5.755 | 5.661 | 5.861 | 488.720 | 500.000 | -2.3 |
| Aroclor-1016-4 | 5.852 | 5.758 | 5.958 | 482.070 | 500.000 | -3.6 |
| Aroclor-1016-5 | 6.145 | 6.051 | 6.251 | 479.000 | 500.000 | -4.2 |
| Aroclor-1260-1 | 7.263 | 7.171 | 7.371 | 532.850 | 500.000 | 6.6 |
| Aroclor-1260-2 | 7.517 | 7.425 | 7.625 | 519.140 | 500.000 | 3.8 |
| Aroclor-1260-3 | 7.876 | 7.783 | 7.983 | 516.370 | 500.000 | 3.3 |
| Aroclor-1260-4 | 8.100 | 8.008 | 8.208 | 495.460 | 500.000 | -0.9 |
| Aroclor-1260-5 | 8.421 | 8.328 | 8.528 | 507.150 | 500.000 | 1.4 |
| Decachlorobiphenyl | 10.238 | 10.152 | 10.352 | 49.870 | 50.000 | -0.3 |
| Tetrachloro-m-xylene | 4.519 | 4.424 | 4.624 | 49.180 | 50.000 | -1.6 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 03/17/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070619.D **Time Analyzed:** 23:13

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.909 | 4.817 | 5.017 | 513.180 | 500.000 | 2.6 |
| Aroclor-1016-2 | 4.928 | 4.836 | 5.036 | 497.390 | 500.000 | -0.5 |
| Aroclor-1016-3 | 5.106 | 5.013 | 5.213 | 503.780 | 500.000 | 0.8 |
| Aroclor-1016-4 | 5.147 | 5.054 | 5.254 | 499.050 | 500.000 | -0.2 |
| Aroclor-1016-5 | 5.362 | 5.270 | 5.470 | 514.880 | 500.000 | 3.0 |
| Aroclor-1260-1 | 6.398 | 6.307 | 6.507 | 491.090 | 500.000 | -1.8 |
| Aroclor-1260-2 | 6.586 | 6.495 | 6.695 | 484.330 | 500.000 | -3.1 |
| Aroclor-1260-3 | 6.740 | 6.649 | 6.849 | 474.160 | 500.000 | -5.2 |
| Aroclor-1260-4 | 7.212 | 7.121 | 7.321 | 465.710 | 500.000 | -6.9 |
| Aroclor-1260-5 | 7.453 | 7.362 | 7.562 | 469.060 | 500.000 | -6.2 |
| Decachlorobiphenyl | 8.869 | 8.781 | 8.981 | 46.790 | 50.000 | -6.4 |
| Tetrachloro-m-xylene | 3.823 | 3.729 | 3.929 | 51.300 | 50.000 | 2.6 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 23:13
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: Mar 18 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.519 | 3.823 | 76492936 | 51420166 | 49.180 | 51.303 |
| 2) | SA Decachlor... | 10.238 | 8.869 | 52975173 | 45775642 | 49.866 | 46.788 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.671 | 4.909 | 24868738 | 18450130 | 479.617 | 513.180 |
| 4) | L1 AR-1016-2 | 5.693 | 4.928 | 36198693 | 25847825 | 505.958 | 497.392 |
| 5) | L1 AR-1016-3 | 5.755 | 5.106 | 22255121 | 14334334 | 488.716 | 503.783 |
| 6) | L1 AR-1016-4 | 5.852 | 5.147 | 18818843 | 11173641 | 482.068 | 499.048 |
| 7) | L1 AR-1016-5 | 6.145 | 5.362 | 16583903 | 15301507 | 478.999 | 514.875 |
| 31) | L7 AR-1260-1 | 7.263 | 6.398 | 31298405 | 24448763 | 532.846 | 491.093 |
| 32) | L7 AR-1260-2 | 7.517 | 6.586 | 42591469 | 32008003 | 519.136 | 484.328 |
| 33) | L7 AR-1260-3 | 7.876 | 6.740 | 33955278 | 27120540 | 516.370 | 474.157 |
| 34) | L7 AR-1260-4 | 8.100 | 7.212 | 32374957 | 23827515 | 495.463 | 465.713 |
| 35) | L7 AR-1260-5 | 8.421 | 7.453 | 69316362 | 60407460 | 507.152 | 469.056 |

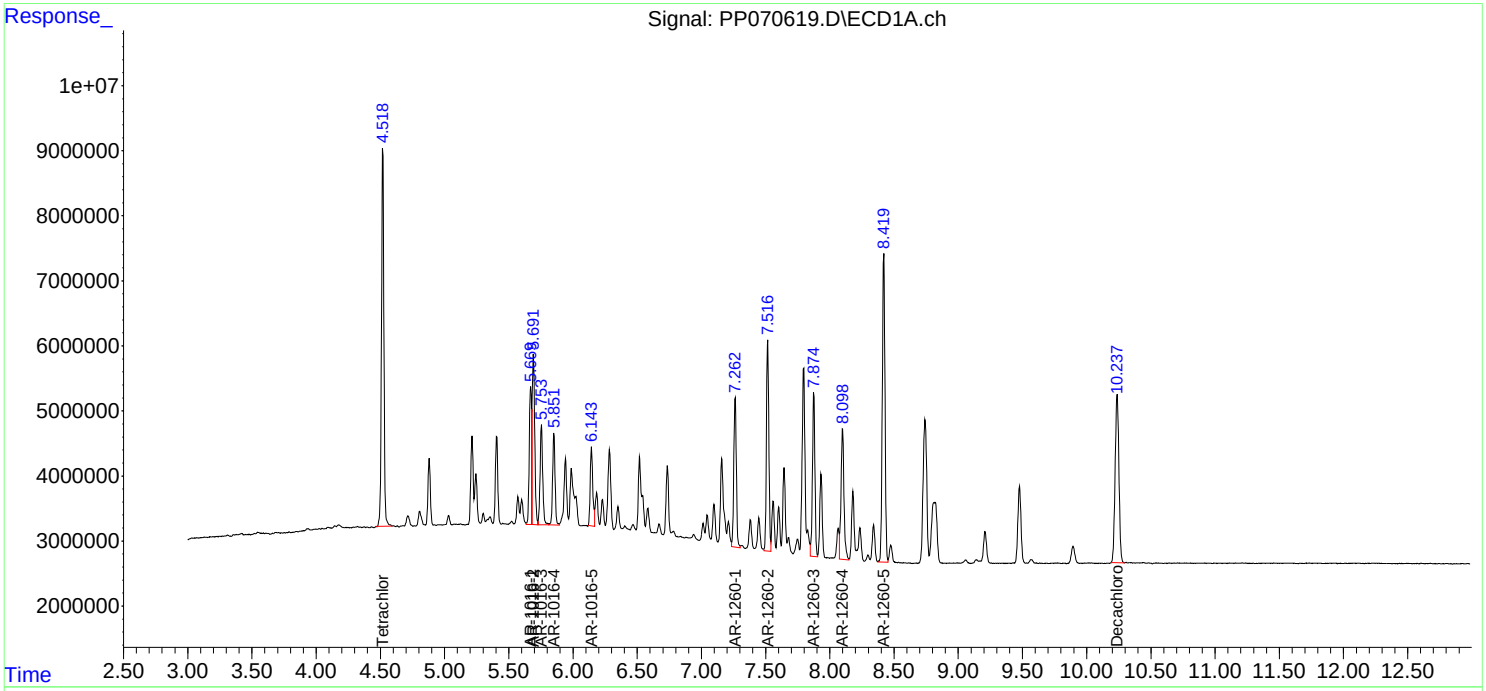
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

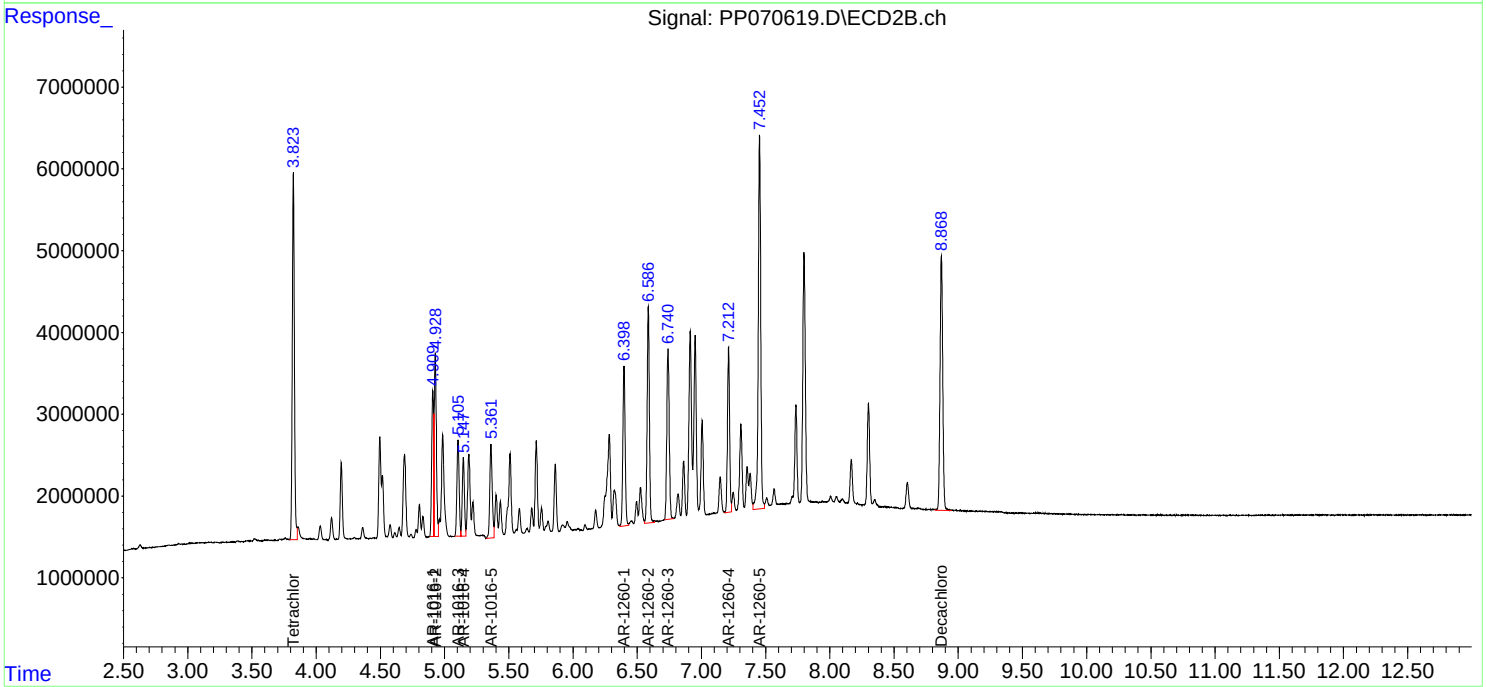
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 23:13
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

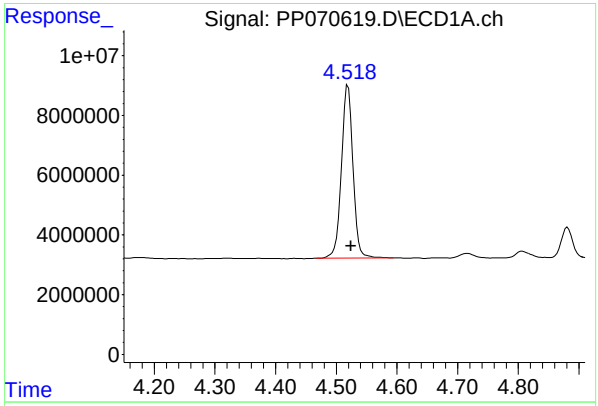
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:47:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



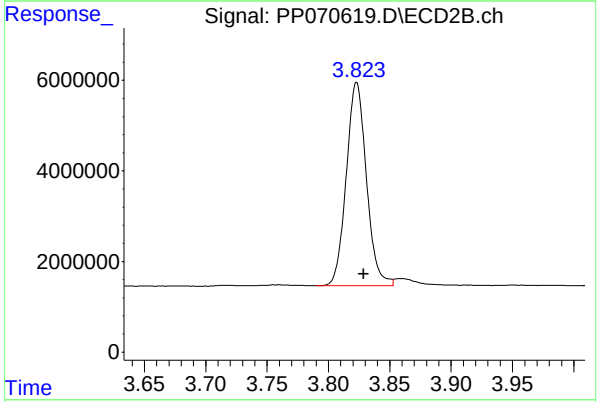






#1 Tetrachloro-m-xylene

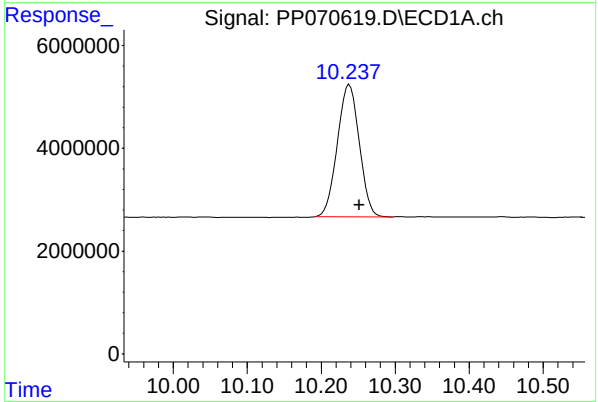
R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 76492936
Conc: 49.18 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



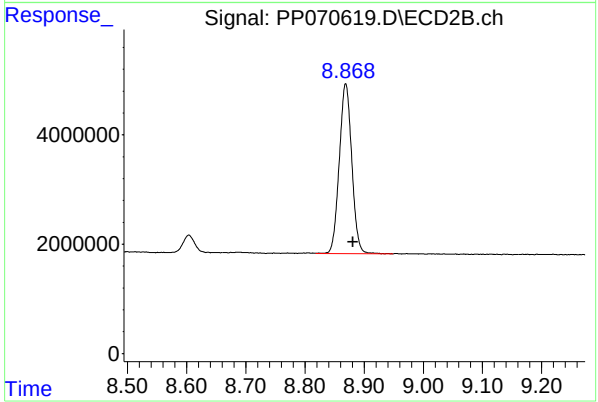

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 51420166
Conc: 51.30 ng/ml



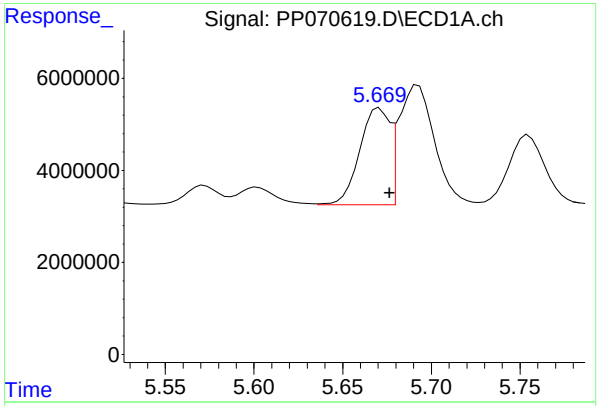

#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 52975173
Conc: 49.87 ng/ml




#2 Decachlorobiphenyl

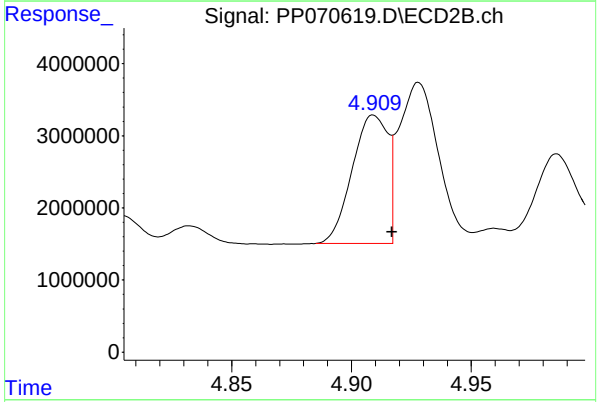
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 45775642
Conc: 46.79 ng/ml




#3 AR-1016-1

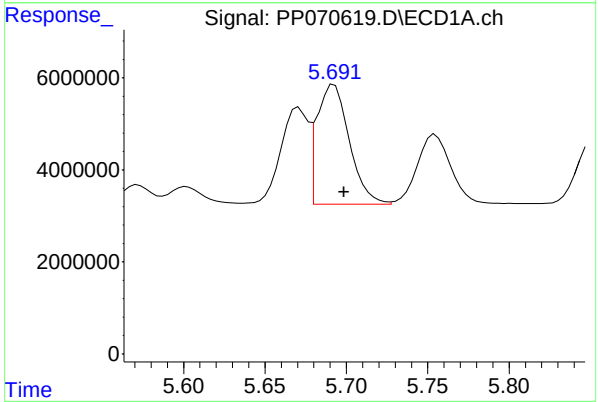
R.T.: 5.671 min
Delta R.T.: -0.006 min
Response: 24868738
Conc: 479.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



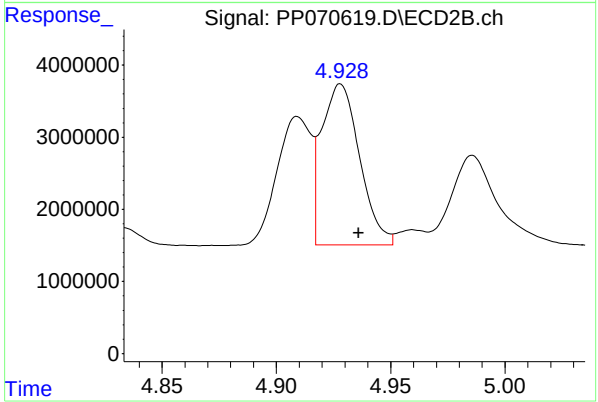

#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.008 min
Response: 18450130
Conc: 513.18 ng/ml



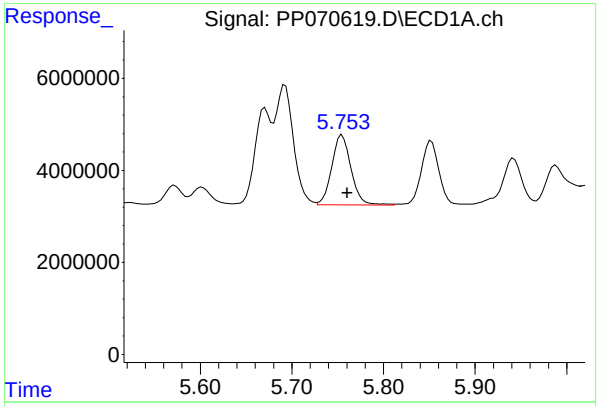

#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.006 min
Response: 36198693
Conc: 505.96 ng/ml




#4 AR-1016-2

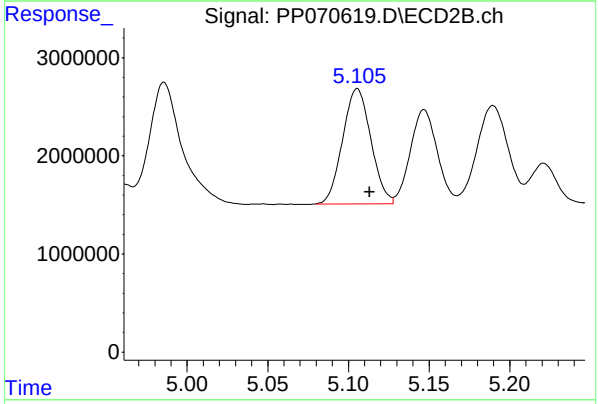
R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 25847825
Conc: 497.39 ng/ml




#5 AR-1016-3

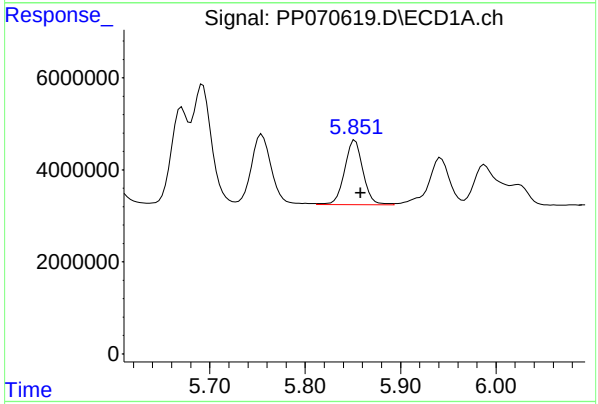
R.T.: 5.755 min
Delta R.T.: -0.006 min
Response: 22255121
Conc: 488.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



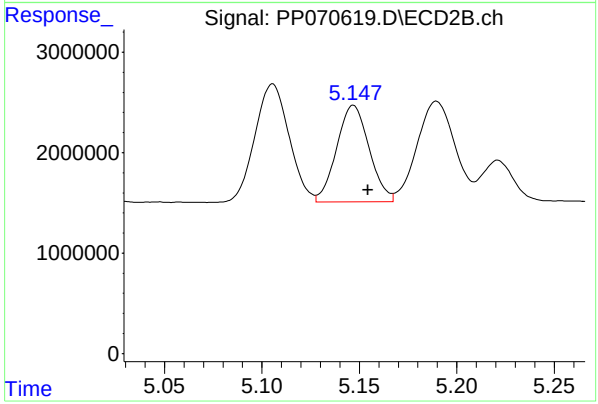

#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.008 min
Response: 14334334
Conc: 503.78 ng/ml



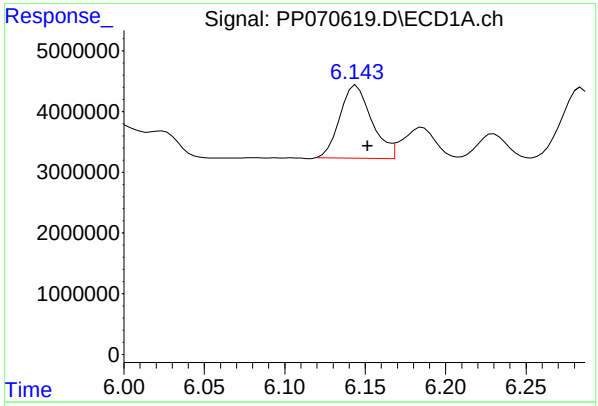

#6 AR-1016-4

R.T.: 5.852 min
Delta R.T.: -0.006 min
Response: 18818843
Conc: 482.07 ng/ml




#6 AR-1016-4

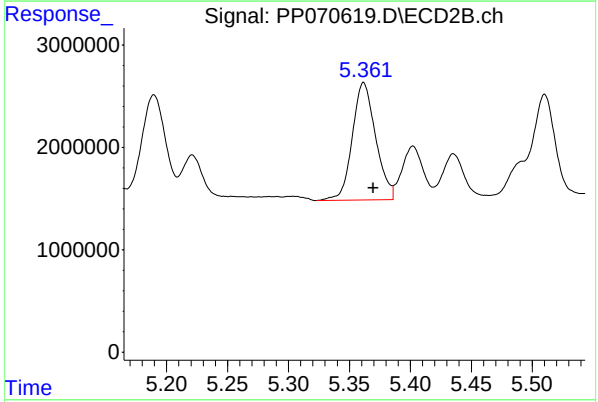
R.T.: 5.147 min
Delta R.T.: -0.008 min
Response: 11173641
Conc: 499.05 ng/ml




#7 AR-1016-5

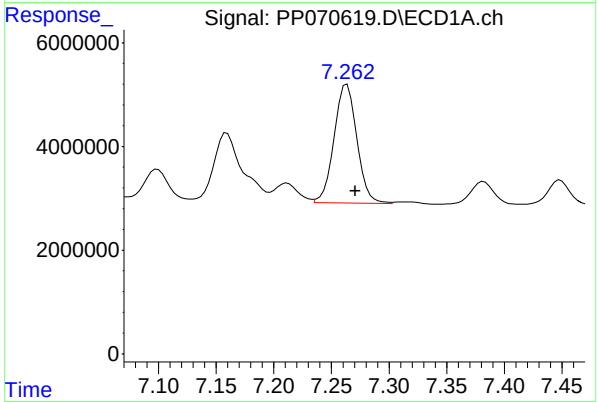
R.T.: 6.145 min
Delta R.T.: -0.007 min
Response: 16583903
Conc: 479.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



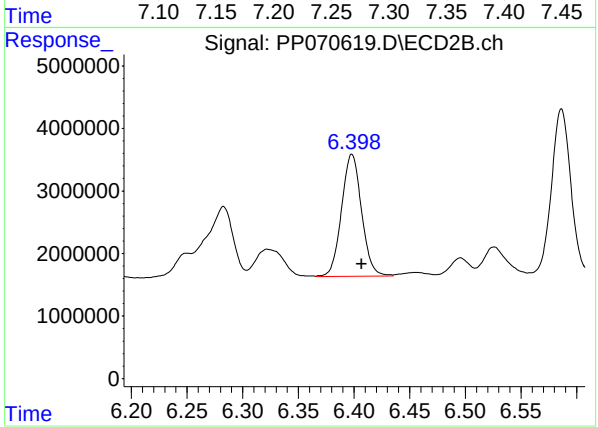

#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.008 min
Response: 15301507
Conc: 514.88 ng/ml



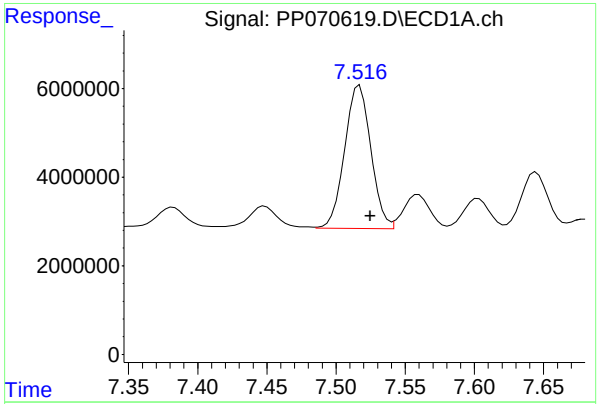

#31 AR-1260-1

R.T.: 7.263 min
Delta R.T.: -0.008 min
Response: 31298405
Conc: 532.85 ng/ml




#31 AR-1260-1

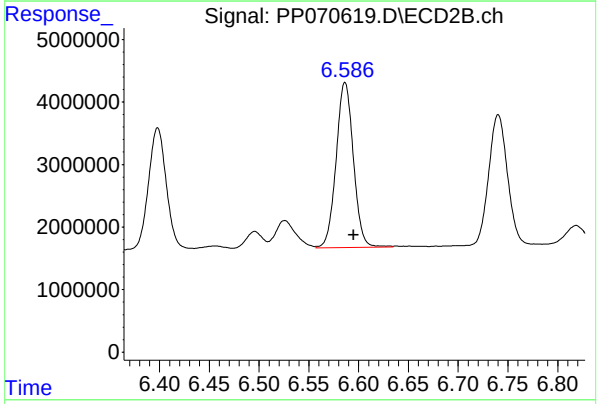
R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 24448763
Conc: 491.09 ng/ml




#32 AR-1260-2

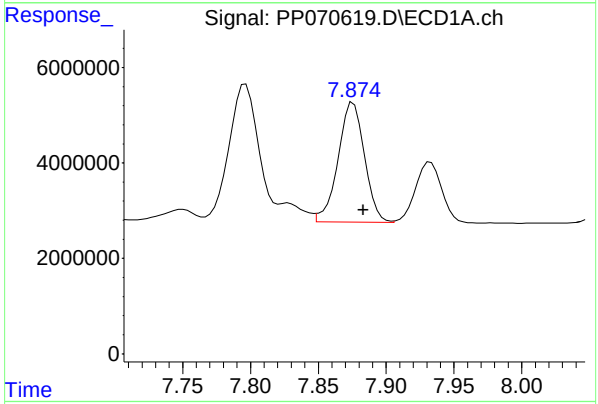
R.T.: 7.517 min
Delta R.T.: -0.008 min
Response: 42591469
Conc: 519.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



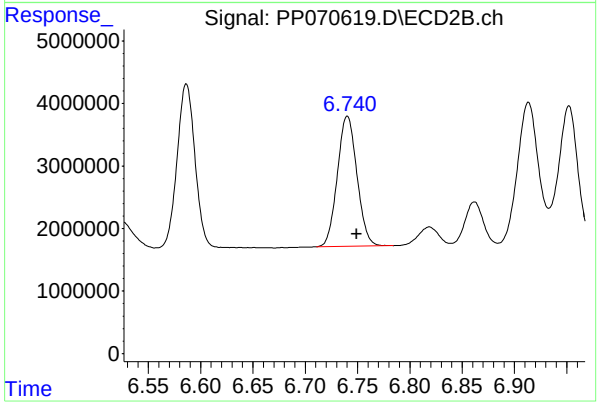

#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 32008003
Conc: 484.33 ng/ml



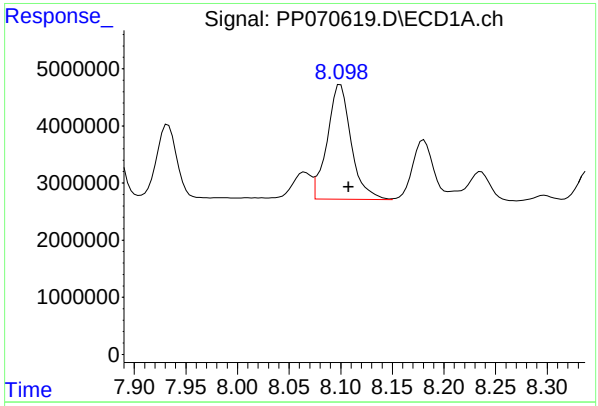

#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 33955278
Conc: 516.37 ng/ml




#33 AR-1260-3

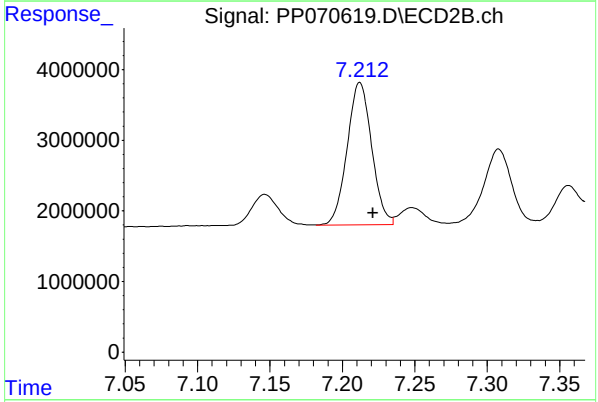
R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 27120540
Conc: 474.16 ng/ml




#34 AR-1260-4

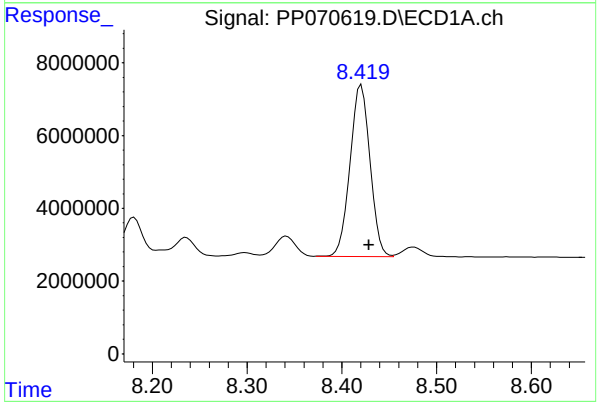
R.T.: 8.100 min
Delta R.T.: -0.008 min
Response: 32374957
Conc: 495.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



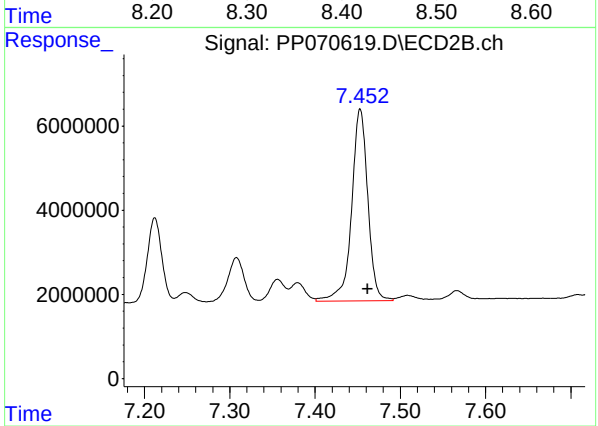

#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 23827515
Conc: 465.71 ng/ml




#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.008 min
Response: 69316362
Conc: 507.15 ng/ml




#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 60407460
Conc: 469.06 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 03:16 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.67 | 5.68 | 5.58 | 5.78 | 0.01 |
| Aroclor-1016-2 | (2) | 5.69 | 5.70 | 5.60 | 5.80 | 0.01 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.85 | 5.86 | 5.76 | 5.96 | 0.01 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.00 |
| Aroclor-1260-1 | (1) | 7.26 | 7.27 | 7.17 | 7.37 | 0.01 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.10 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.42 | 8.43 | 8.33 | 8.53 | 0.01 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.24 | 10.25 | 10.15 | 10.35 | 0.01 |

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 03:16 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.22 | 7.12 | 7.32 | 0.01 |
| Aroclor-1260-5 | (5) | 7.45 | 7.46 | 7.36 | 7.56 | 0.01 |
| Tetrachloro-m-xylene | | 3.82 | 3.83 | 3.73 | 3.93 | 0.01 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070632.D **Time Analyzed:** 03:16

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.672 | 5.577 | 5.777 | 477.300 | 500.000 | -4.5 |
| Aroclor-1016-2 | 5.693 | 5.599 | 5.799 | 504.430 | 500.000 | 0.9 |
| Aroclor-1016-3 | 5.756 | 5.661 | 5.861 | 489.900 | 500.000 | -2.0 |
| Aroclor-1016-4 | 5.853 | 5.758 | 5.958 | 485.900 | 500.000 | -2.8 |
| Aroclor-1016-5 | 6.146 | 6.051 | 6.251 | 473.720 | 500.000 | -5.3 |
| Aroclor-1260-1 | 7.264 | 7.171 | 7.371 | 516.310 | 500.000 | 3.3 |
| Aroclor-1260-2 | 7.517 | 7.425 | 7.625 | 503.450 | 500.000 | 0.7 |
| Aroclor-1260-3 | 7.876 | 7.783 | 7.983 | 500.910 | 500.000 | 0.2 |
| Aroclor-1260-4 | 8.100 | 8.008 | 8.208 | 475.030 | 500.000 | -5.0 |
| Aroclor-1260-5 | 8.420 | 8.328 | 8.528 | 494.600 | 500.000 | -1.1 |
| Decachlorobiphenyl | 10.239 | 10.152 | 10.352 | 49.060 | 50.000 | -1.9 |
| Tetrachloro-m-xylene | 4.520 | 4.424 | 4.624 | 48.860 | 50.000 | -2.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070632.D **Time Analyzed:** 03:16

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.910 | 4.817 | 5.017 | 496.870 | 500.000 | -0.6 |
| Aroclor-1016-2 | 4.929 | 4.836 | 5.036 | 485.020 | 500.000 | -3.0 |
| Aroclor-1016-3 | 5.106 | 5.013 | 5.213 | 493.700 | 500.000 | -1.3 |
| Aroclor-1016-4 | 5.147 | 5.054 | 5.254 | 491.490 | 500.000 | -1.7 |
| Aroclor-1016-5 | 5.362 | 5.270 | 5.470 | 528.450 | 500.000 | 5.7 |
| Aroclor-1260-1 | 6.398 | 6.307 | 6.507 | 484.870 | 500.000 | -3.0 |
| Aroclor-1260-2 | 6.586 | 6.495 | 6.695 | 472.970 | 500.000 | -5.4 |
| Aroclor-1260-3 | 6.740 | 6.649 | 6.849 | 467.550 | 500.000 | -6.5 |
| Aroclor-1260-4 | 7.212 | 7.121 | 7.321 | 445.750 | 500.000 | -10.9 |
| Aroclor-1260-5 | 7.452 | 7.362 | 7.562 | 445.710 | 500.000 | -10.9 |
| Decachlorobiphenyl | 8.869 | 8.781 | 8.981 | 45.550 | 50.000 | -8.9 |
| Tetrachloro-m-xylene | 3.823 | 3.729 | 3.929 | 50.770 | 50.000 | 1.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 03:16
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: Mar 18 06:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.520 | 3.823 | 75988306 | 50883384 | 48.855 | 50.768 |
| 2) | SA Decachlor... | 10.239 | 8.869 | 52120578 | 44568570 | 49.062 | 45.554 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.672 | 4.910 | 24748763 | 17863738 | 477.304 | 496.870 |
| 4) | L1 AR-1016-2 | 5.693 | 4.929 | 36089670 | 25204914 | 504.434 | 485.021 |
| 5) | L1 AR-1016-3 | 5.756 | 5.106 | 22308945 | 14047328 | 489.898 | 493.696 |
| 6) | L1 AR-1016-4 | 5.853 | 5.147 | 18968312 | 11004411 | 485.896 | 491.490 |
| 7) | L1 AR-1016-5 | 6.146 | 5.362 | 16401125 | 15704865 | 473.720 | 528.447 |
| 31) | L7 AR-1260-1 | 7.264 | 6.398 | 30326852 | 24138773 | 516.305 | 484.866 |
| 32) | L7 AR-1260-2 | 7.517 | 6.586 | 41304205 | 31257171 | 503.446 | 472.967 |
| 33) | L7 AR-1260-3 | 7.876 | 6.740 | 32938653 | 26742640 | 500.910 | 467.550 |
| 34) | L7 AR-1260-4 | 8.100 | 7.212 | 31039461 | 22806183 | 475.025 | 445.751 |
| 35) | L7 AR-1260-5 | 8.420 | 7.452 | 67601004 | 57401276 | 494.602 | 445.713 |

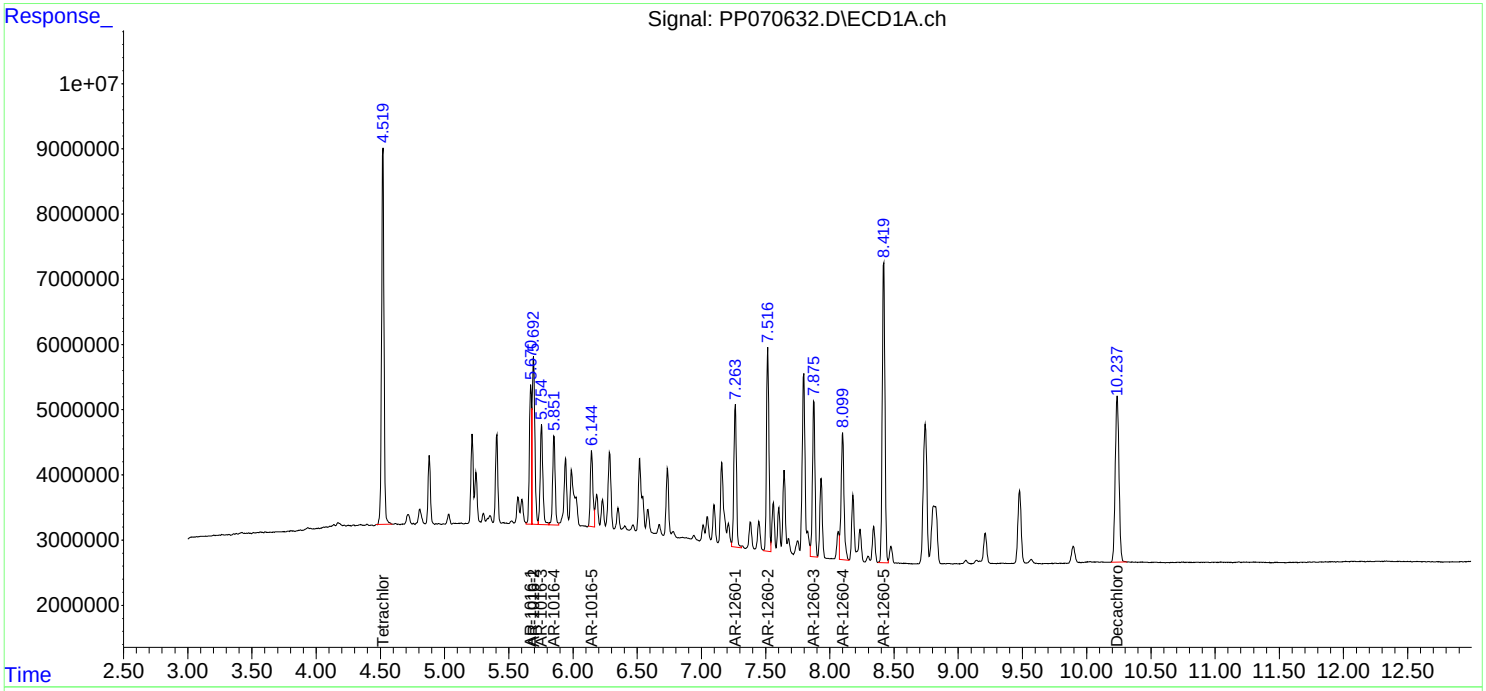
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

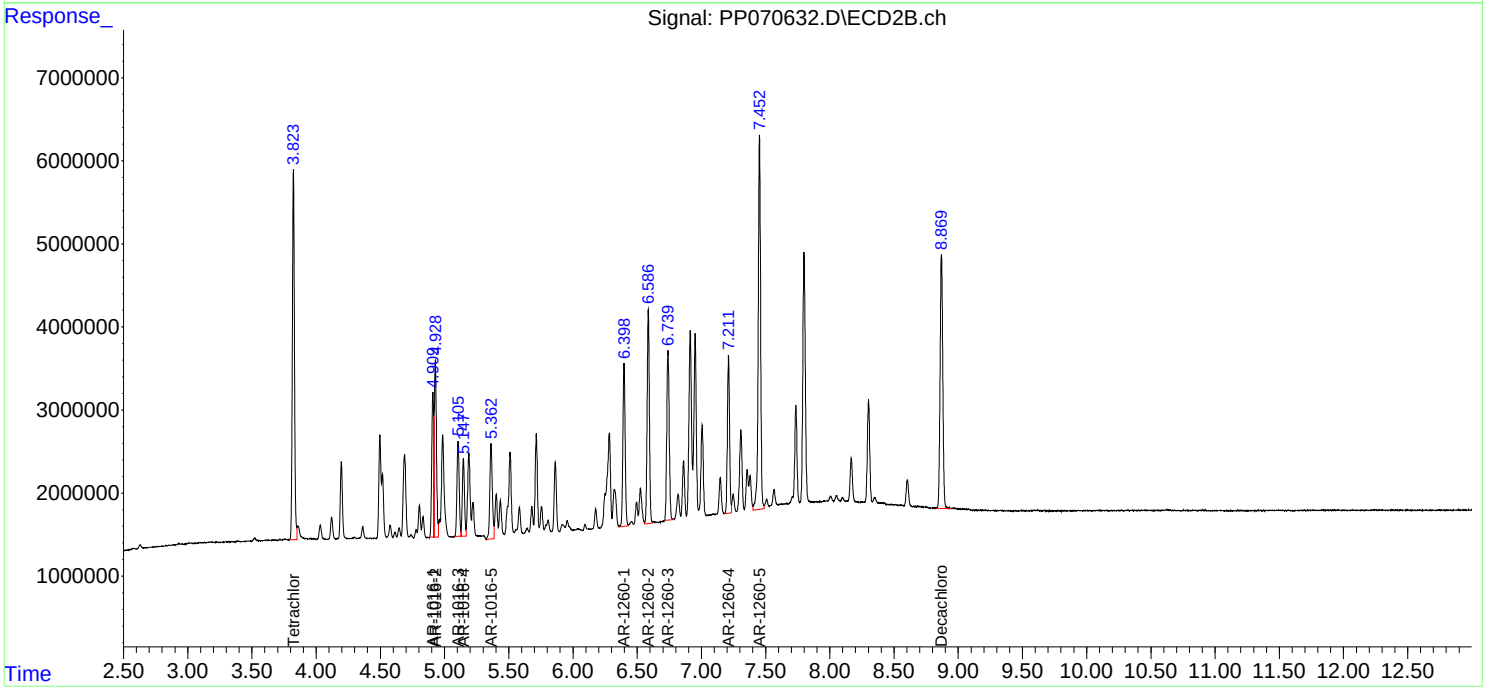
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 03:16
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

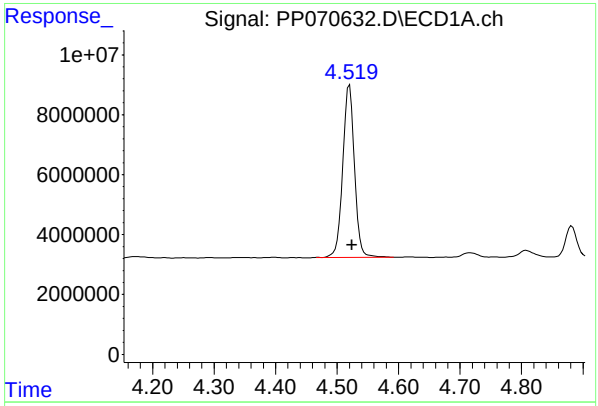
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



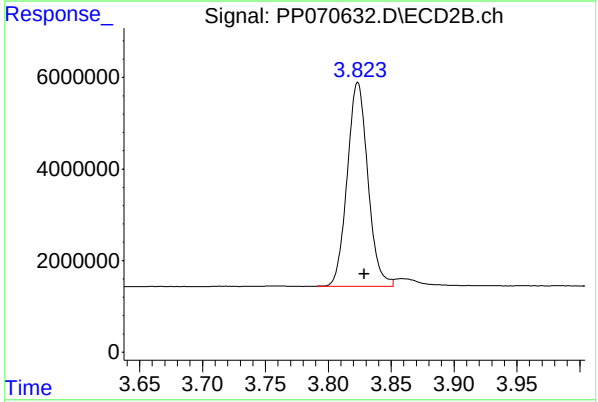






#1 Tetrachloro-m-xylene

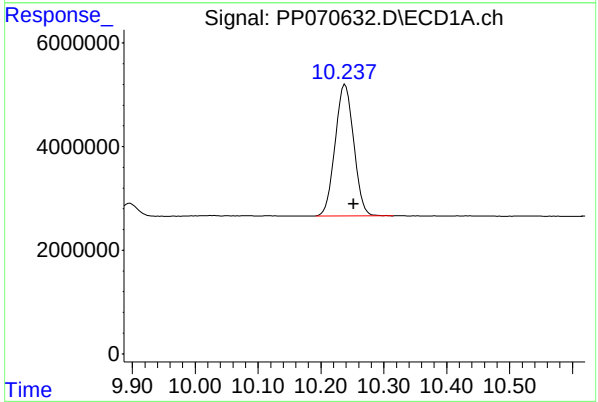
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 75988306
Conc: 48.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



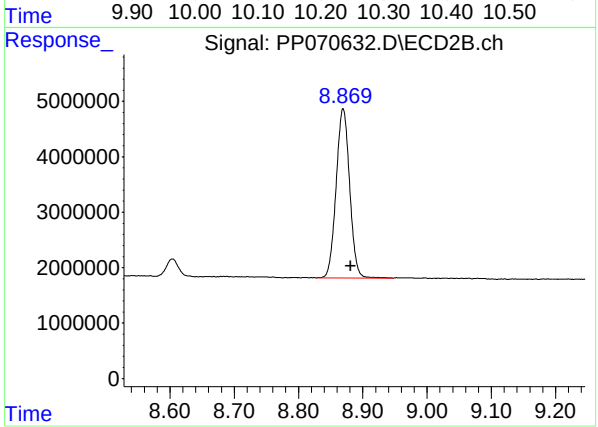

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 50883384
Conc: 50.77 ng/ml



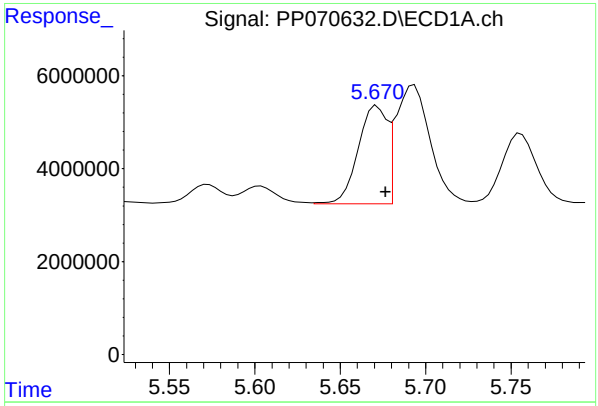

#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.013 min
Response: 52120578
Conc: 49.06 ng/ml




#2 Decachlorobiphenyl

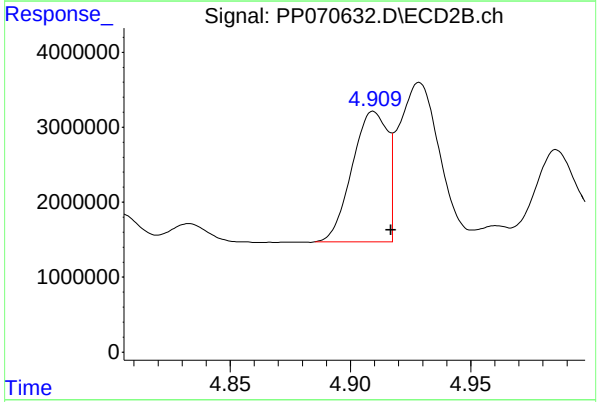
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 44568570
Conc: 45.55 ng/ml




#3 AR-1016-1

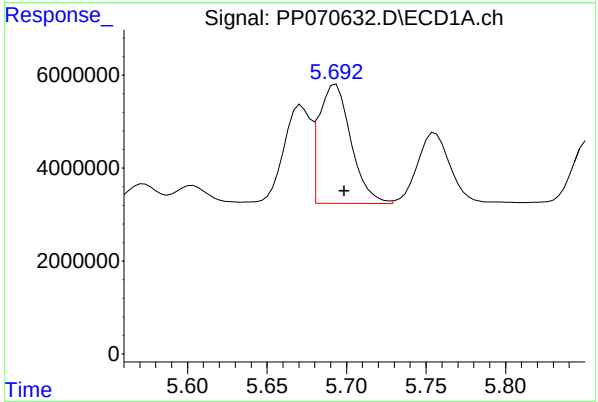
R.T.: 5.672 min
Delta R.T.: -0.005 min
Response: 24748763
Conc: 477.30 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



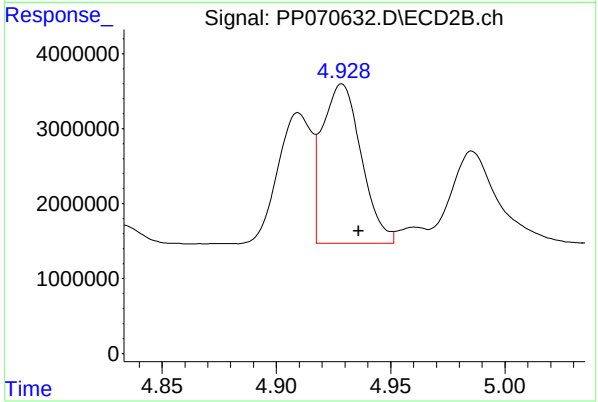

#3 AR-1016-1

R.T.: 4.910 min
Delta R.T.: -0.007 min
Response: 17863738
Conc: 496.87 ng/ml



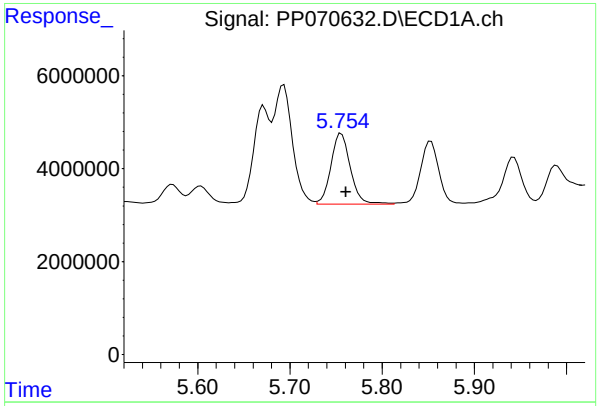

#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.005 min
Response: 36089670
Conc: 504.43 ng/ml




#4 AR-1016-2

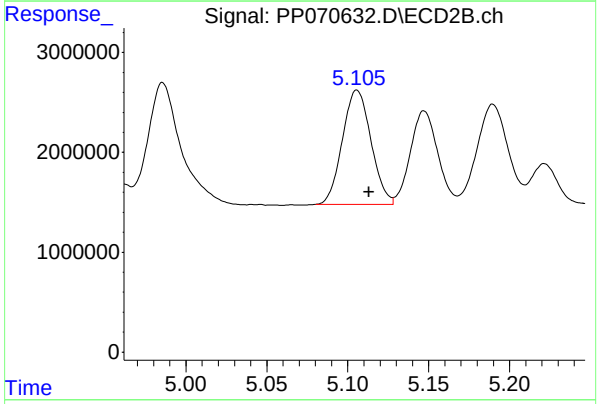
R.T.: 4.929 min
Delta R.T.: -0.007 min
Response: 25204914
Conc: 485.02 ng/ml




#5 AR-1016-3

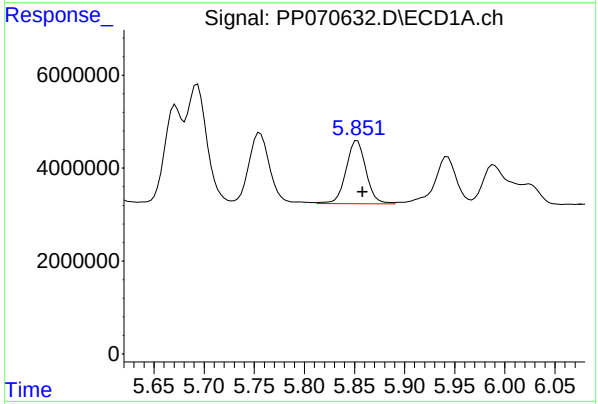
R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 22308945
Conc: 489.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



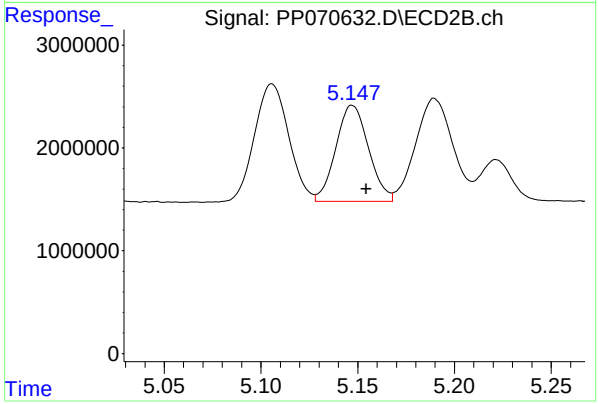

#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 14047328
Conc: 493.70 ng/ml



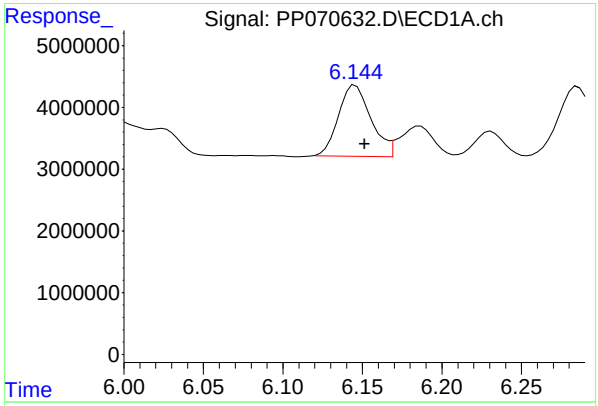

#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 18968312
Conc: 485.90 ng/ml




#6 AR-1016-4

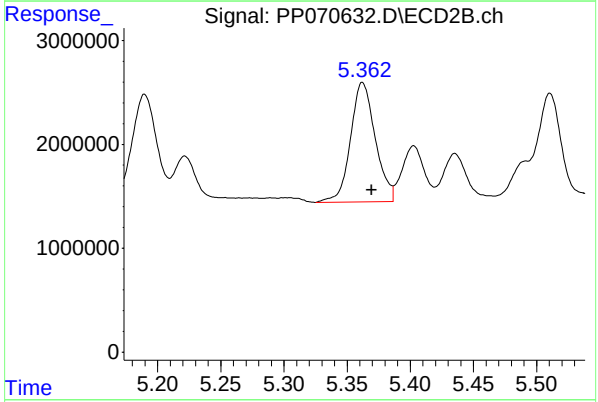
R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 11004411
Conc: 491.49 ng/ml




#7 AR-1016-5

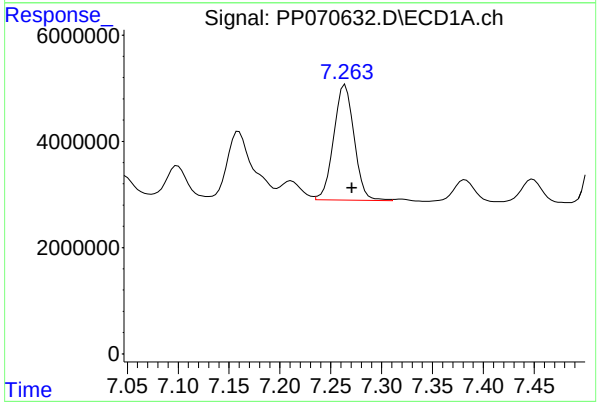
R.T.: 6.146 min
Delta R.T.: -0.006 min
Response: 16401125
Conc: 473.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



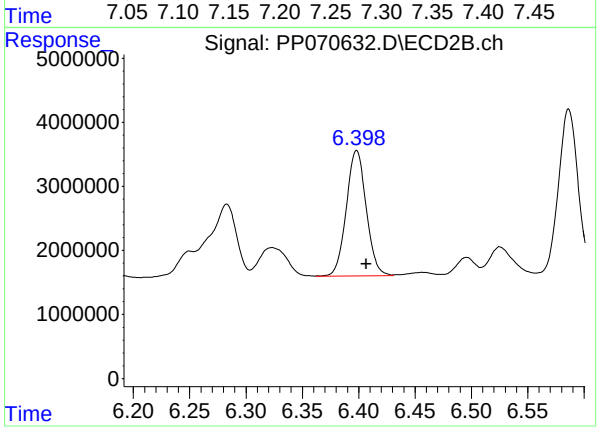

#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.007 min
Response: 15704865
Conc: 528.45 ng/ml



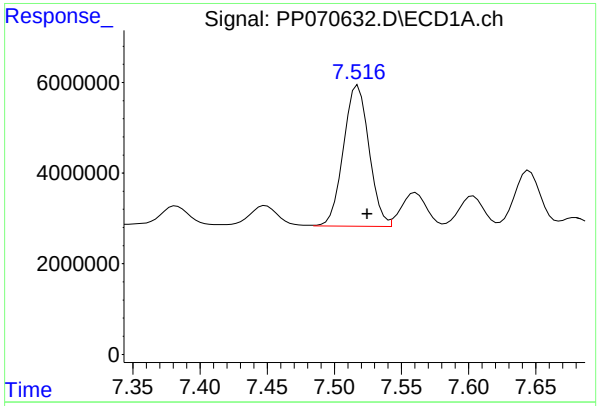

#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 30326852
Conc: 516.31 ng/ml




#31 AR-1260-1

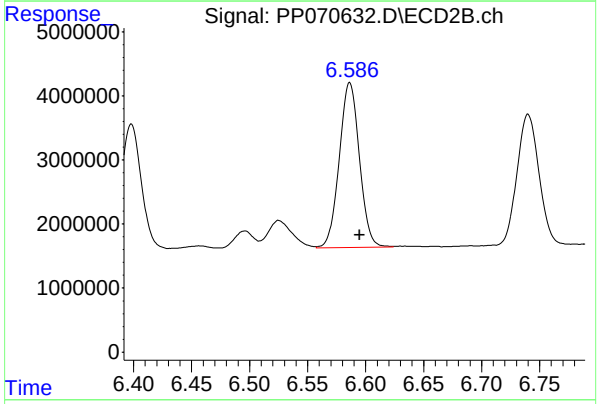
R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 24138773
Conc: 484.87 ng/ml




#32 AR-1260-2

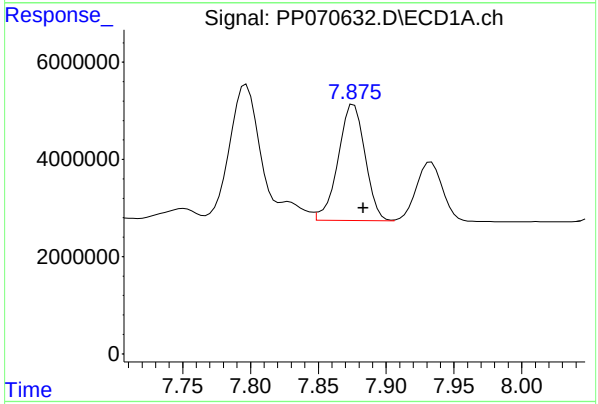
R.T.: 7.517 min
Delta R.T.: -0.007 min
Response: 41304205
Conc: 503.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



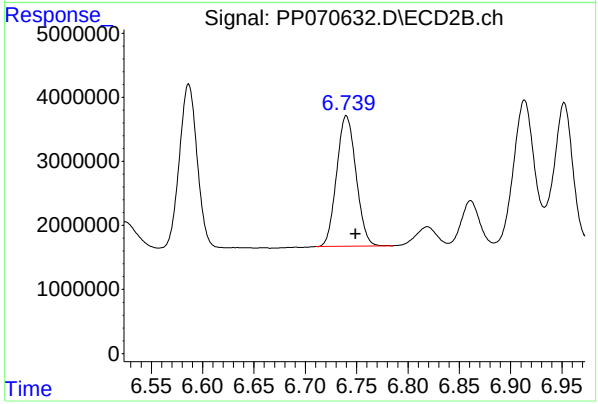

#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 31257171
Conc: 472.97 ng/ml



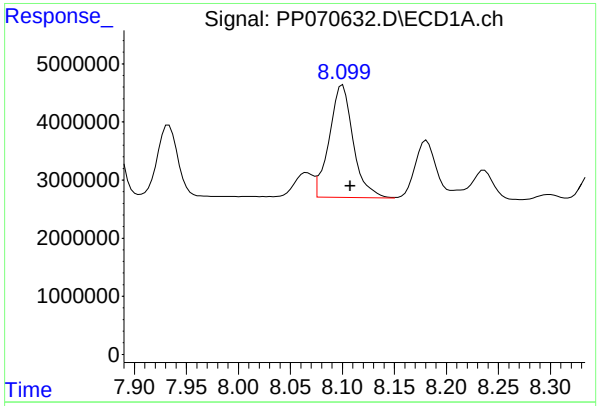

#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 32938653
Conc: 500.91 ng/ml




#33 AR-1260-3

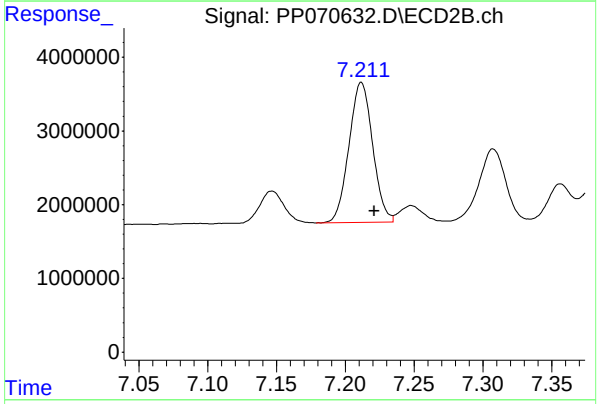
R.T.: 6.740 min
Delta R.T.: -0.009 min
Response: 26742640
Conc: 467.55 ng/ml




#34 AR-1260-4

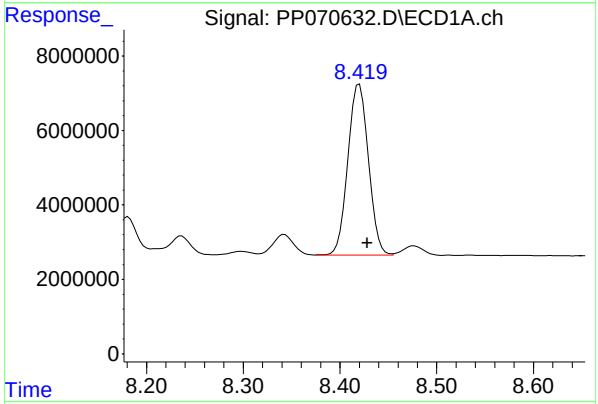
R.T.: 8.100 min
Delta R.T.: -0.007 min
Response: 31039461
Conc: 475.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



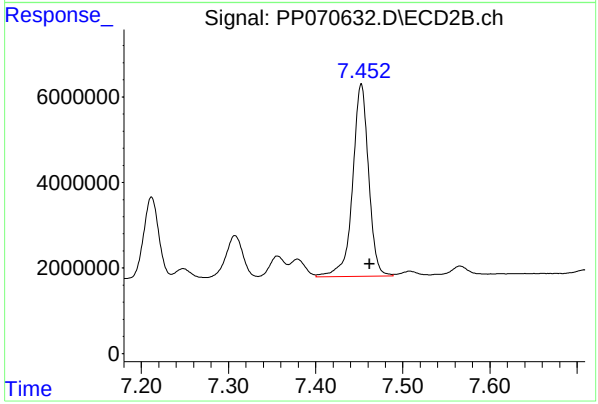

#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.009 min
Response: 22806183
Conc: 445.75 ng/ml




#35 AR-1260-5

R.T.: 8.420 min
Delta R.T.: -0.008 min
Response: 67601004
Conc: 494.60 ng/ml




#35 AR-1260-5

R.T.: 7.452 min
Delta R.T.: -0.009 min
Response: 57401276
Conc: 445.71 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 08:04 **Initial Calibration Time(s):** 15:13 23:38

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

| COMPOUND | | CCAL RT | AVG RT | RT WINDOW FROM | TO | DIFF RT |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.68 | 5.68 | 5.58 | 5.78 | 0.00 |
| Aroclor-1016-2 | (2) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.86 | 5.86 | 5.76 | 5.96 | 0.00 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.00 |
| Aroclor-1260-1 | (1) | 7.27 | 7.27 | 7.17 | 7.37 | 0.00 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.10 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.43 | 8.43 | 8.33 | 8.53 | 0.00 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.25 | 10.25 | 10.15 | 10.35 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 08:04 **Initial Calibration Time(s):** 15:13 23:38

**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) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.22 | 7.12 | 7.32 | 0.01 |
| Aroclor-1260-5 | (5) | 7.45 | 7.46 | 7.36 | 7.56 | 0.01 |
| Tetrachloro-m-xylene | | 3.83 | 3.83 | 3.73 | 3.93 | 0.00 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.676 | 5.577 | 5.777 | 491.070 | 500.000 | -1.8 |
| Aroclor-1016-2 | 5.697 | 5.599 | 5.799 | 526.430 | 500.000 | 5.3 |
| Aroclor-1016-3 | 5.759 | 5.661 | 5.861 | 500.210 | 500.000 | 0.0 |
| Aroclor-1016-4 | 5.857 | 5.758 | 5.958 | 501.550 | 500.000 | 0.3 |
| Aroclor-1016-5 | 6.149 | 6.051 | 6.251 | 507.300 | 500.000 | 1.5 |
| Aroclor-1260-1 | 7.268 | 7.171 | 7.371 | 540.250 | 500.000 | 8.1 |
| Aroclor-1260-2 | 7.521 | 7.425 | 7.625 | 544.090 | 500.000 | 8.8 |
| Aroclor-1260-3 | 7.880 | 7.783 | 7.983 | 538.320 | 500.000 | 7.7 |
| Aroclor-1260-4 | 8.104 | 8.008 | 8.208 | 509.930 | 500.000 | 2.0 |
| Aroclor-1260-5 | 8.425 | 8.328 | 8.528 | 516.460 | 500.000 | 3.3 |
| Decachlorobiphenyl | 10.245 | 10.152 | 10.352 | 52.050 | 50.000 | 4.1 |
| Tetrachloro-m-xylene | 4.523 | 4.424 | 4.624 | 51.150 | 50.000 | 2.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070638.D **Time Analyzed:** 08:04

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.912 | 4.817 | 5.017 | 517.050 | 500.000 | 3.4 |
| Aroclor-1016-2 | 4.930 | 4.836 | 5.036 | 504.670 | 500.000 | 0.9 |
| Aroclor-1016-3 | 5.107 | 5.013 | 5.213 | 516.450 | 500.000 | 3.3 |
| Aroclor-1016-4 | 5.149 | 5.054 | 5.254 | 505.300 | 500.000 | 1.1 |
| Aroclor-1016-5 | 5.364 | 5.270 | 5.470 | 587.100 | 500.000 | 17.4 |
| Aroclor-1260-1 | 6.399 | 6.307 | 6.507 | 504.340 | 500.000 | 0.9 |
| Aroclor-1260-2 | 6.588 | 6.495 | 6.695 | 502.900 | 500.000 | 0.6 |
| Aroclor-1260-3 | 6.741 | 6.649 | 6.849 | 478.330 | 500.000 | -4.3 |
| Aroclor-1260-4 | 7.213 | 7.121 | 7.321 | 474.490 | 500.000 | -5.1 |
| Aroclor-1260-5 | 7.454 | 7.362 | 7.562 | 490.680 | 500.000 | -1.9 |
| Decachlorobiphenyl | 8.870 | 8.781 | 8.981 | 49.050 | 50.000 | -1.9 |
| Tetrachloro-m-xylene | 3.825 | 3.729 | 3.929 | 49.410 | 50.000 | -1.2 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
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: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.523 | 3.825 | 79561834 | 49525997 | 51.153 | 49.413 |
| 2) | SA Decachlor... | 10.245 | 8.870 | 55293010 | 47993160 | 52.048 | 49.055 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.676 | 4.912 | 25462595 | 18589142 | 491.071 | 517.047 |
| 4) | L1 AR-1016-2 | 5.697 | 4.930 | 37663393 | 26225875 | 526.431 | 504.667 |
| 5) | L1 AR-1016-3 | 5.759 | 5.107 | 22778454 | 14694812 | 500.208 | 516.452 |
| 6) | L1 AR-1016-4 | 5.857 | 5.149 | 19579219 | 11313578 | 501.545 | 505.298 |
| 7) | L1 AR-1016-5 | 6.149 | 5.364 | 17563643 | 17447844 | 507.297 | 587.096 |
| 31) | L7 AR-1260-1 | 7.268 | 6.399 | 31733107 | 25108122 | 540.246 | 504.337 |
| 32) | L7 AR-1260-2 | 7.521 | 6.588 | 44638455 | 33235119 | 544.086 | 502.896 |
| 33) | L7 AR-1260-3 | 7.880 | 6.741 | 35398772 | 27359384 | 538.322 | 478.333 |
| 34) | L7 AR-1260-4 | 8.104 | 7.213 | 33320397 | 24276736 | 509.932 | 474.493 |
| 35) | L7 AR-1260-5 | 8.425 | 7.454 | 70587971 | 63192606 | 516.456 | 490.682 |

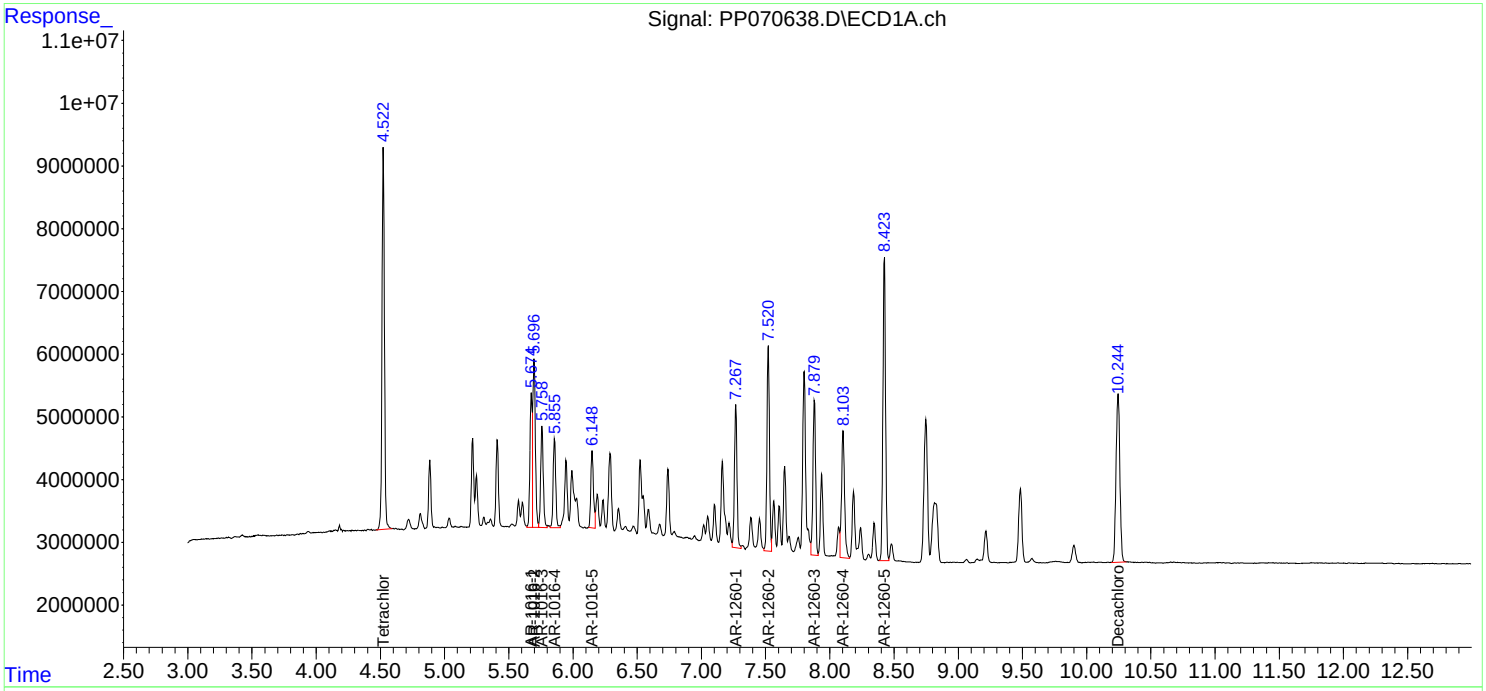
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

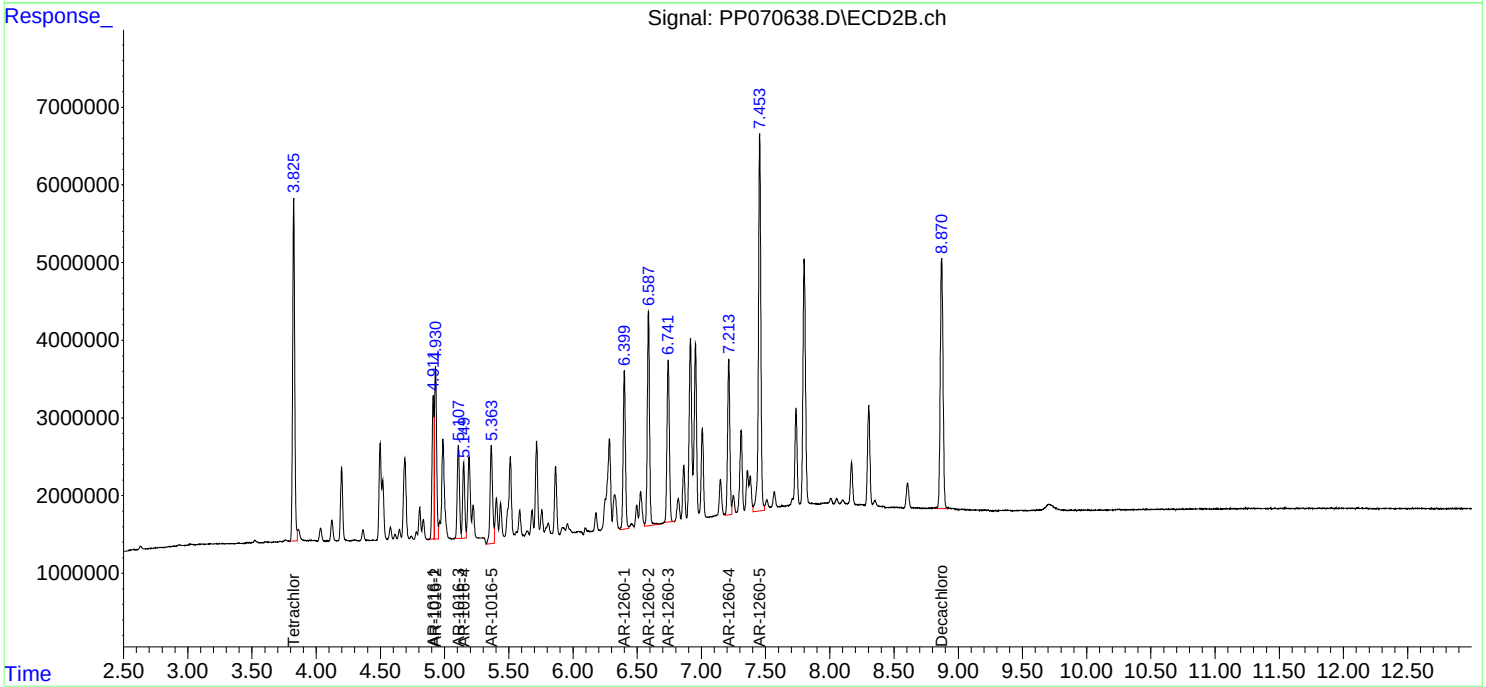
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070638.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 08:04
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

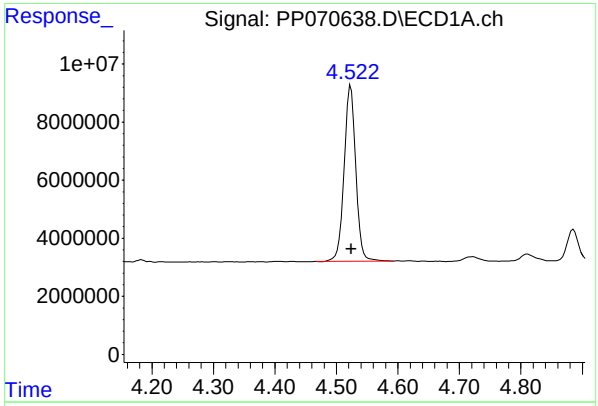
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:15:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



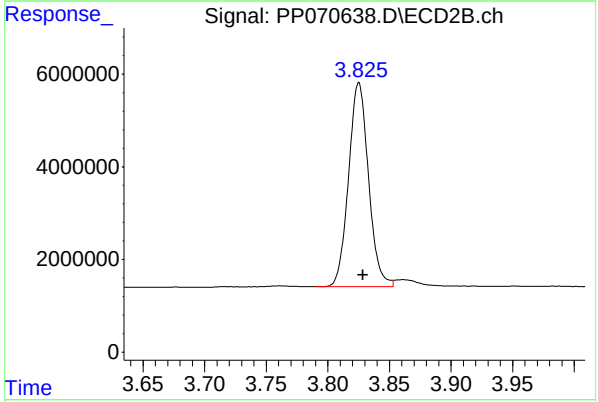






#1 Tetrachloro-m-xylene

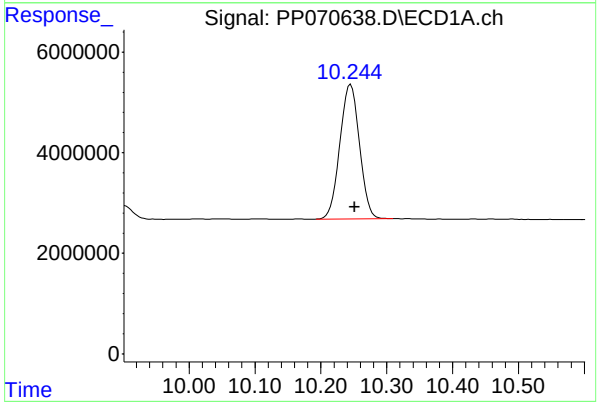
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 79561834
Conc: 51.15 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



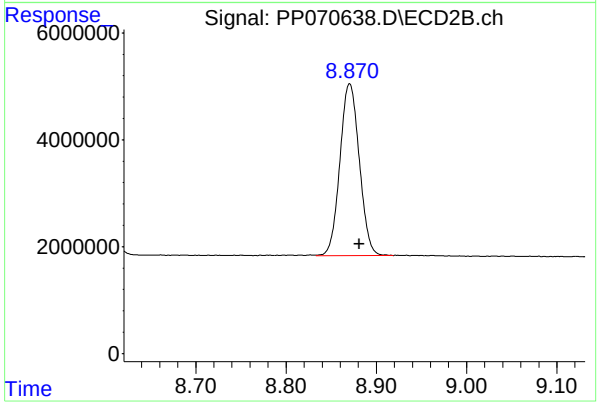

#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 49525997
Conc: 49.41 ng/ml



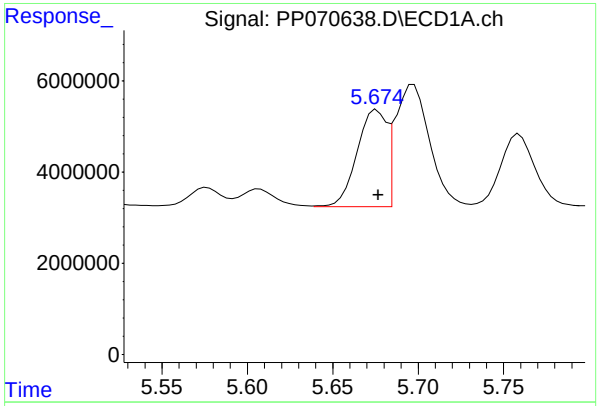

#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 55293010
Conc: 52.05 ng/ml




#2 Decachlorobiphenyl

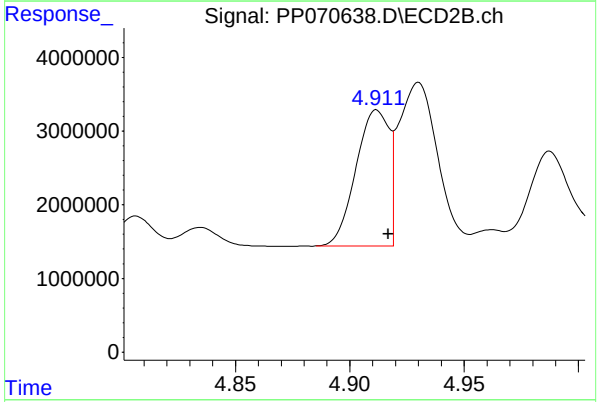
R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 47993160
Conc: 49.05 ng/ml




#3 AR-1016-1

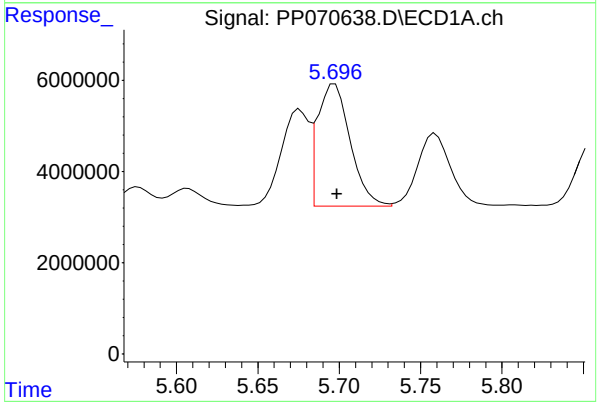
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 25462595
Conc: 491.07 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



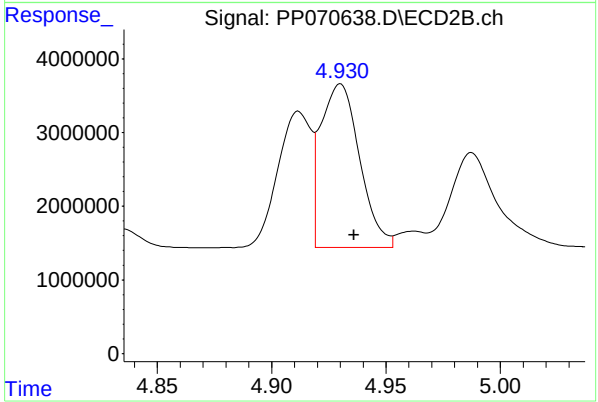

#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18589142
Conc: 517.05 ng/ml



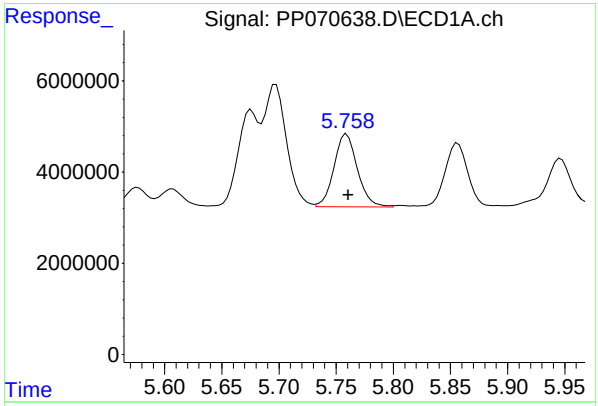

#4 AR-1016-2

R.T.: 5.697 min
Delta R.T.: -0.001 min
Response: 37663393
Conc: 526.43 ng/ml




#4 AR-1016-2

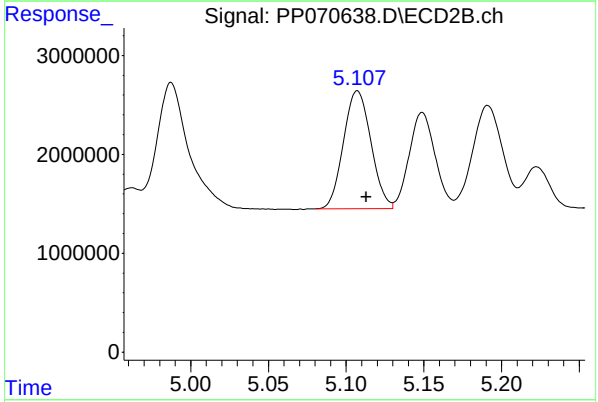
R.T.: 4.930 min
Delta R.T.: -0.006 min
Response: 26225875
Conc: 504.67 ng/ml




#5 AR-1016-3

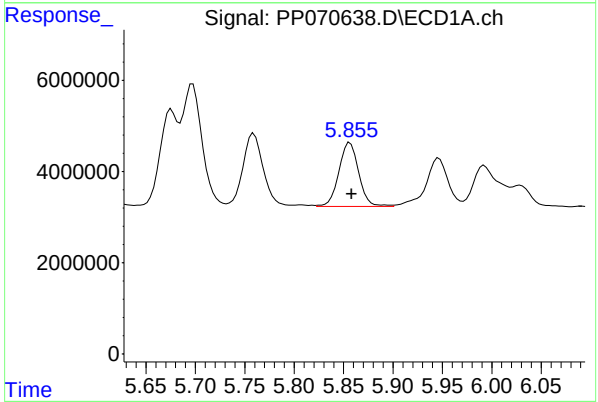
R.T.: 5.759 min
Delta R.T.: -0.002 min
Response: 22778454
Conc: 500.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



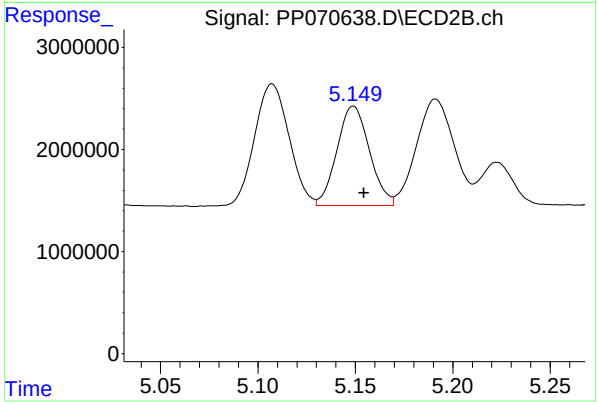

#5 AR-1016-3

R.T.: 5.107 min
Delta R.T.: -0.006 min
Response: 14694812
Conc: 516.45 ng/ml



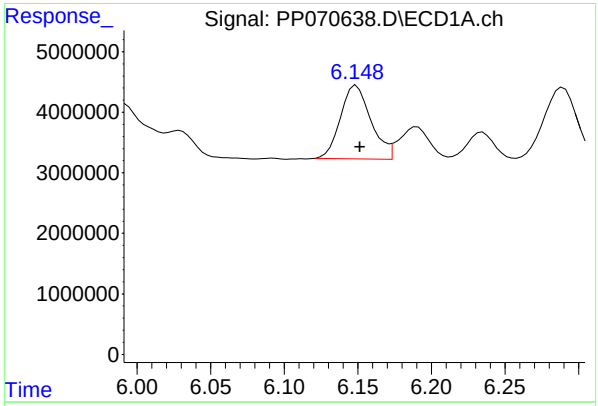

#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 19579219
Conc: 501.55 ng/ml




#6 AR-1016-4

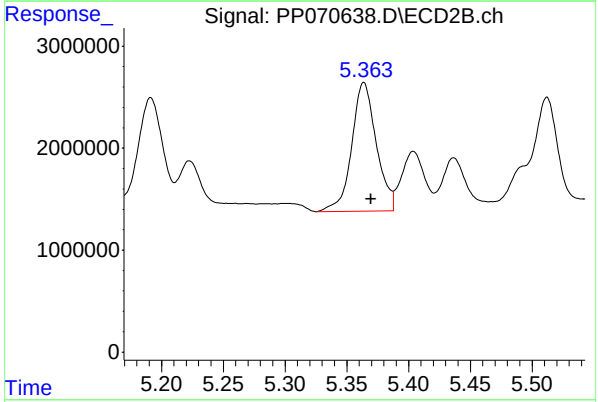
R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 11313578
Conc: 505.30 ng/ml




#7 AR-1016-5

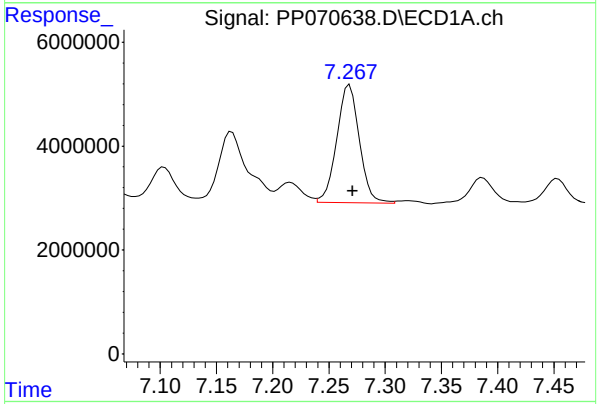
R.T.: 6.149 min
Delta R.T.: -0.002 min
Response: 17563643
Conc: 507.30 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



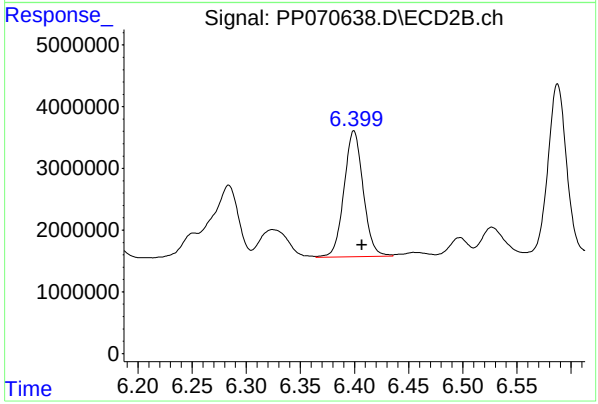

#7 AR-1016-5

R.T.: 5.364 min
Delta R.T.: -0.006 min
Response: 17447844
Conc: 587.10 ng/ml



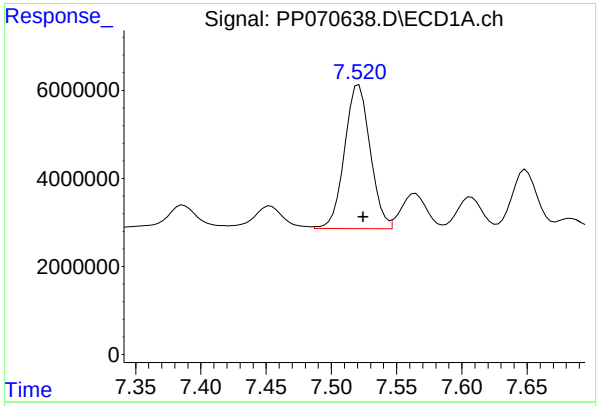

#31 AR-1260-1

R.T.: 7.268 min
Delta R.T.: -0.003 min
Response: 31733107
Conc: 540.25 ng/ml




#31 AR-1260-1

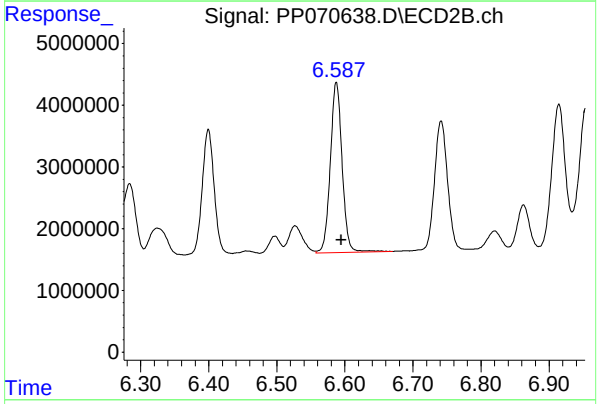
R.T.: 6.399 min
Delta R.T.: -0.007 min
Response: 25108122
Conc: 504.34 ng/ml




#32 AR-1260-2

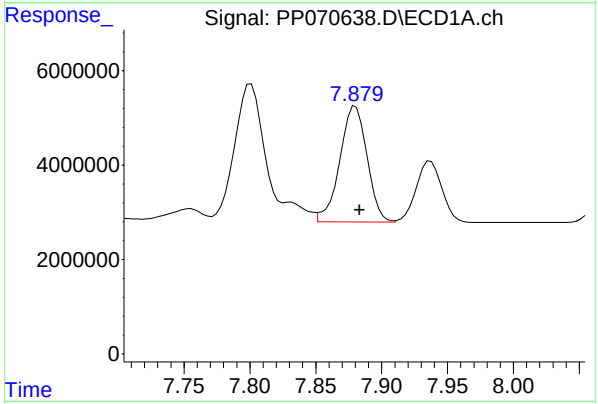
R.T.: 7.521 min
Delta R.T.: -0.003 min
Response: 44638455
Conc: 544.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



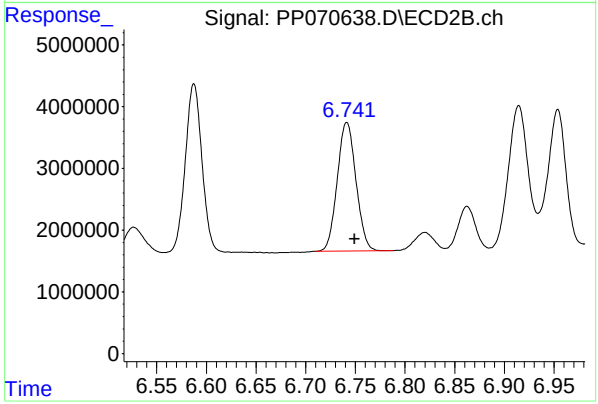

#32 AR-1260-2

R.T.: 6.588 min
Delta R.T.: -0.007 min
Response: 33235119
Conc: 502.90 ng/ml



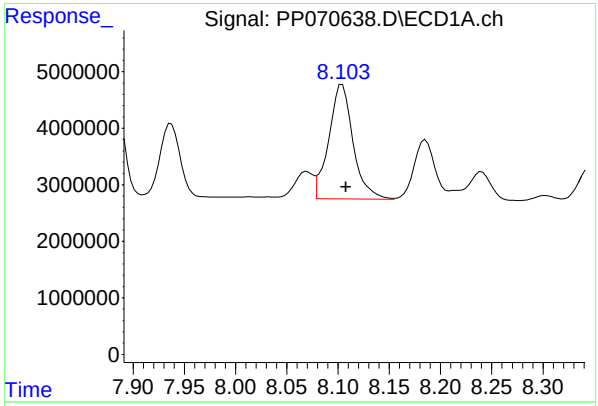

#33 AR-1260-3

R.T.: 7.880 min
Delta R.T.: -0.003 min
Response: 35398772
Conc: 538.32 ng/ml




#33 AR-1260-3

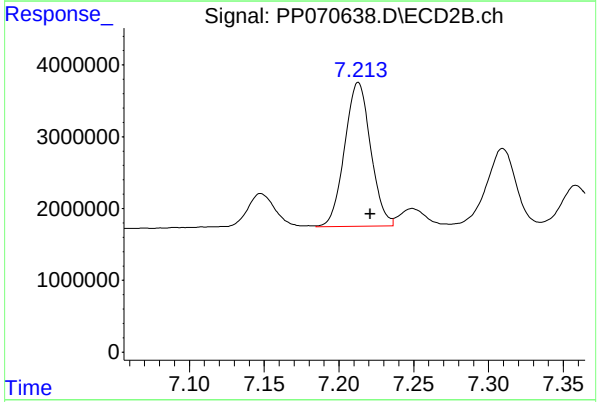
R.T.: 6.741 min
Delta R.T.: -0.008 min
Response: 27359384
Conc: 478.33 ng/ml




#34 AR-1260-4

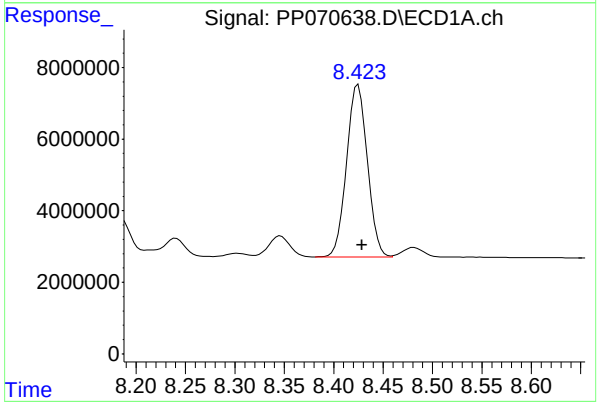
R.T.: 8.104 min
Delta R.T.: -0.004 min
Response: 33320397
Conc: 509.93 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



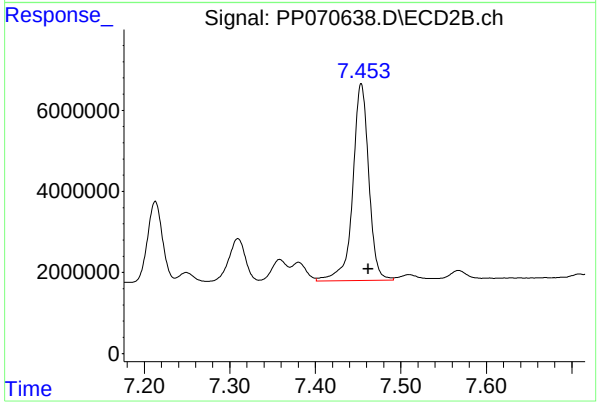

#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 24276736
Conc: 474.49 ng/ml




#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.004 min
Response: 70587971
Conc: 516.46 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 63192606
Conc: 490.68 ng/ml

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 11:19 **Initial Calibration Time(s):** 15:13 23:38

**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) | 5.67 | 5.68 | 5.58 | 5.78 | 0.01 |
| Aroclor-1016-2 | (2) | 5.69 | 5.70 | 5.60 | 5.80 | 0.01 |
| Aroclor-1016-3 | (3) | 5.76 | 5.76 | 5.66 | 5.86 | 0.00 |
| Aroclor-1016-4 | (4) | 5.85 | 5.86 | 5.76 | 5.96 | 0.01 |
| Aroclor-1016-5 | (5) | 6.15 | 6.15 | 6.05 | 6.25 | 0.00 |
| Aroclor-1260-1 | (1) | 7.26 | 7.27 | 7.17 | 7.37 | 0.01 |
| Aroclor-1260-2 | (2) | 7.52 | 7.53 | 7.43 | 7.63 | 0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.88 | 7.78 | 7.98 | 0.00 |
| Aroclor-1260-4 | (4) | 8.10 | 8.11 | 8.01 | 8.21 | 0.01 |
| Aroclor-1260-5 | (5) | 8.42 | 8.43 | 8.33 | 8.53 | 0.01 |
| Tetrachloro-m-xylene | | 4.52 | 4.52 | 4.42 | 4.62 | 0.00 |
| Decachlorobiphenyl | | 10.24 | 10.25 | 10.15 | 10.35 | 0.01 |

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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**Continuing Calib Date:** 03/18/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

**Continuing Calib Time:** 11:19 **Initial Calibration Time(s):** 15:13 23:38

**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) | 4.91 | 4.92 | 4.82 | 5.02 | 0.01 |
| Aroclor-1016-2 | (2) | 4.93 | 4.94 | 4.84 | 5.04 | 0.01 |
| Aroclor-1016-3 | (3) | 5.11 | 5.11 | 5.01 | 5.21 | 0.00 |
| Aroclor-1016-4 | (4) | 5.15 | 5.15 | 5.05 | 5.25 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.37 | 5.27 | 5.47 | 0.01 |
| Aroclor-1260-1 | (1) | 6.40 | 6.41 | 6.31 | 6.51 | 0.01 |
| Aroclor-1260-2 | (2) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-3 | (3) | 6.74 | 6.75 | 6.65 | 6.85 | 0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.22 | 7.12 | 7.32 | 0.01 |
| Aroclor-1260-5 | (5) | 7.45 | 7.46 | 7.36 | 7.56 | 0.01 |
| Tetrachloro-m-xylene | | 3.82 | 3.83 | 3.73 | 3.93 | 0.01 |
| Decachlorobiphenyl | | 8.87 | 8.88 | 8.78 | 8.98 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.672 | 5.577 | 5.777 | 475.020 | 500.000 | -5.0 |
| Aroclor-1016-2 | 5.694 | 5.599 | 5.799 | 517.610 | 500.000 | 3.5 |
| Aroclor-1016-3 | 5.756 | 5.661 | 5.861 | 490.300 | 500.000 | -1.9 |
| Aroclor-1016-4 | 5.853 | 5.758 | 5.958 | 476.340 | 500.000 | -4.7 |
| Aroclor-1016-5 | 6.146 | 6.051 | 6.251 | 499.370 | 500.000 | -0.1 |
| Aroclor-1260-1 | 7.264 | 7.171 | 7.371 | 569.940 | 500.000 | 14.0 |
| Aroclor-1260-2 | 7.518 | 7.425 | 7.625 | 541.090 | 500.000 | 8.2 |
| Aroclor-1260-3 | 7.876 | 7.783 | 7.983 | 533.210 | 500.000 | 6.6 |
| Aroclor-1260-4 | 8.101 | 8.008 | 8.208 | 506.300 | 500.000 | 1.3 |
| Aroclor-1260-5 | 8.421 | 8.328 | 8.528 | 514.580 | 500.000 | 2.9 |
| Decachlorobiphenyl | 10.238 | 10.152 | 10.352 | 50.900 | 50.000 | 1.8 |
| Tetrachloro-m-xylene | 4.521 | 4.424 | 4.624 | 49.830 | 50.000 | -0.3 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** TETR16

**Lab Code:** CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 03/18/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP070647.D **Time Analyzed:** 11:19

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.909 | 4.817 | 5.017 | 493.750 | 500.000 | -1.3 |
| Aroclor-1016-2 | 4.928 | 4.836 | 5.036 | 487.120 | 500.000 | -2.6 |
| Aroclor-1016-3 | 5.105 | 5.013 | 5.213 | 490.310 | 500.000 | -1.9 |
| Aroclor-1016-4 | 5.147 | 5.054 | 5.254 | 481.210 | 500.000 | -3.8 |
| Aroclor-1016-5 | 5.361 | 5.270 | 5.470 | 508.140 | 500.000 | 1.6 |
| Aroclor-1260-1 | 6.398 | 6.307 | 6.507 | 511.740 | 500.000 | 2.3 |
| Aroclor-1260-2 | 6.585 | 6.495 | 6.695 | 490.830 | 500.000 | -1.8 |
| Aroclor-1260-3 | 6.739 | 6.649 | 6.849 | 476.910 | 500.000 | -4.6 |
| Aroclor-1260-4 | 7.211 | 7.121 | 7.321 | 466.460 | 500.000 | -6.7 |
| Aroclor-1260-5 | 7.452 | 7.362 | 7.562 | 462.540 | 500.000 | -7.5 |
| Decachlorobiphenyl | 8.868 | 8.781 | 8.981 | 47.240 | 50.000 | -5.5 |
| Tetrachloro-m-xylene | 3.823 | 3.729 | 3.929 | 50.280 | 50.000 | 0.6 |

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.823 | 77505097 | 50397214 | 49.830 | 50.283 |
| 2) | SA Decachlor... | 10.238 | 8.868 | 54070749 | 46219599 | 50.898 | 47.242 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.672 | 4.909 | 24630575 | 17751419 | 475.024 | 493.746 |
| 4) | L1 AR-1016-2 | 5.694 | 4.928 | 37032597 | 25314090 | 517.614 | 487.122 |
| 5) | L1 AR-1016-3 | 5.756 | 5.105 | 22327366 | 13951100 | 490.303 | 490.314 |
| 6) | L1 AR-1016-4 | 5.853 | 5.147 | 18595371 | 10774180 | 476.343 | 481.207 |
| 7) | L1 AR-1016-5 | 6.146 | 5.361 | 17289083 | 15101211 | 499.367 | 508.135m |
| 31) | L7 AR-1260-1 | 7.264 | 6.398 | 33477094 | 25476571 | 569.937 | 511.738 |
| 32) | L7 AR-1260-2 | 7.518 | 6.585 | 44392277 | 32437993 | 541.085 | 490.834 |
| 33) | L7 AR-1260-3 | 7.876 | 6.739 | 35062904 | 27278204 | 533.214 | 476.914 |
| 34) | L7 AR-1260-4 | 8.101 | 7.211 | 33083330 | 23865946 | 506.304 | 466.464 |
| 35) | L7 AR-1260-5 | 8.421 | 7.452 | 70331248 | 59568206 | 514.578 | 462.539 |

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

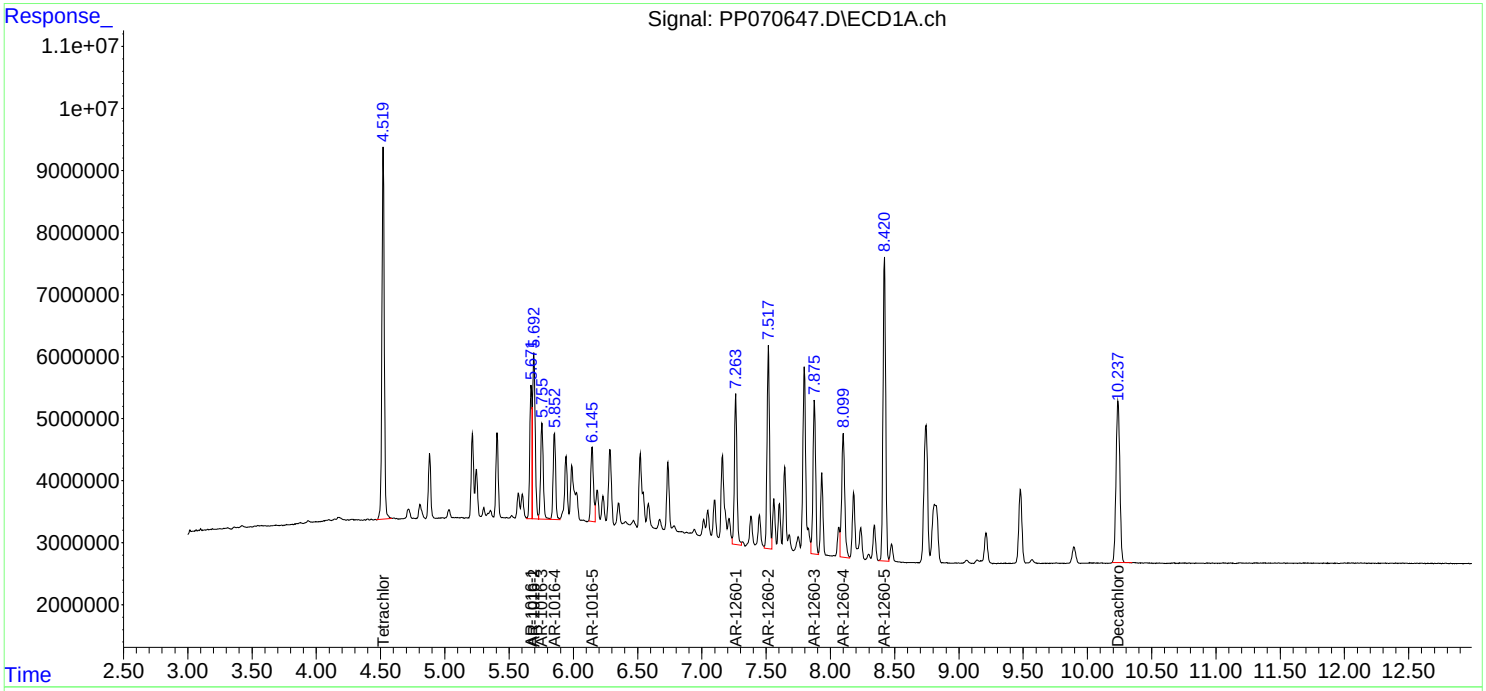
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070647.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

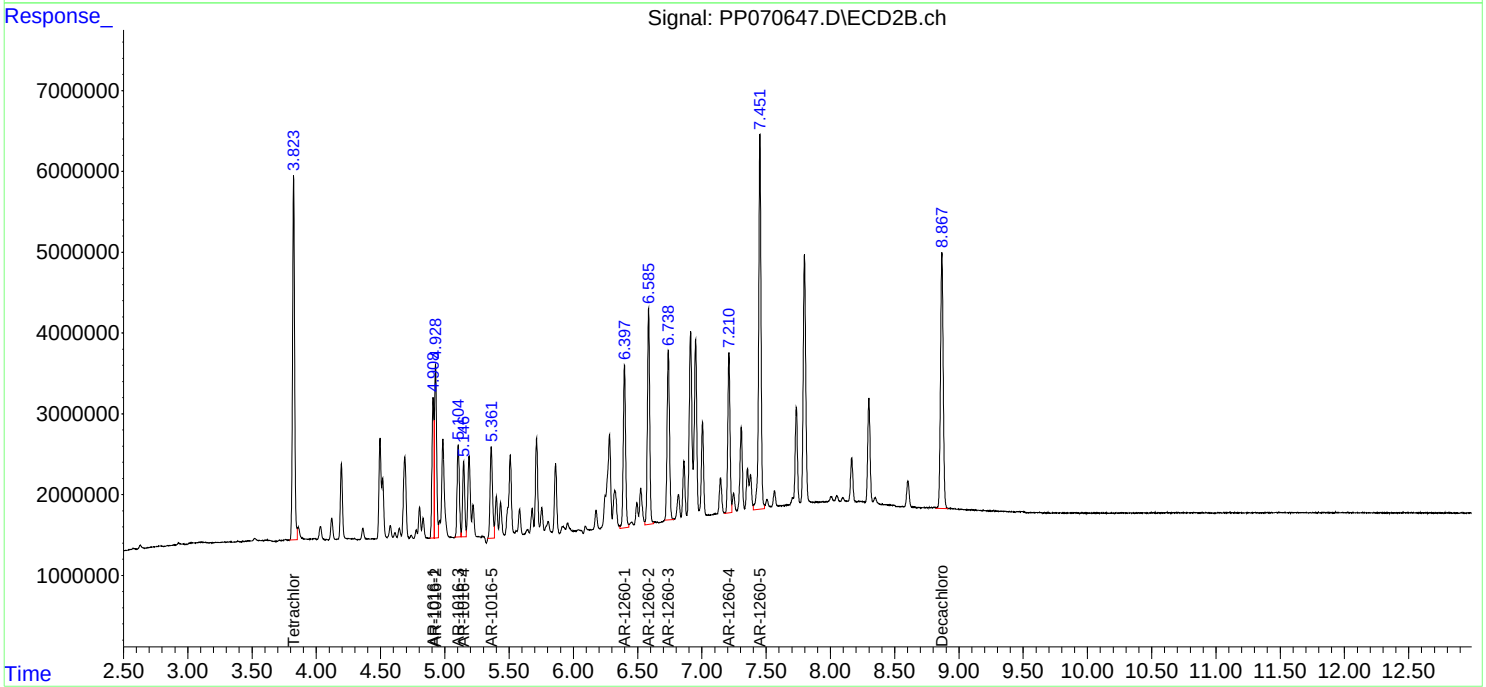
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

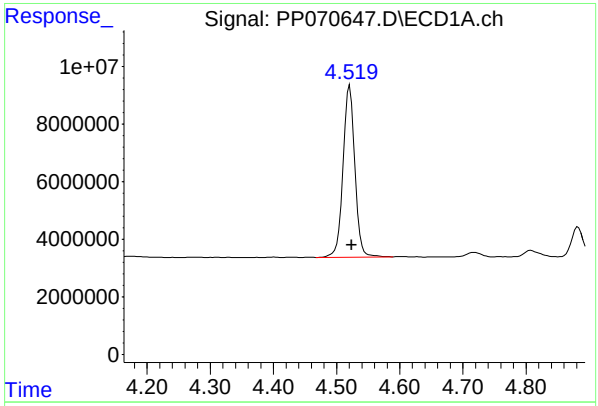
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:18:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





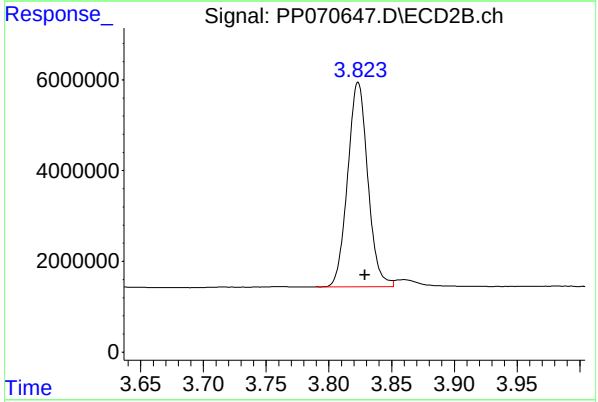

#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 77505097
Conc: 49.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

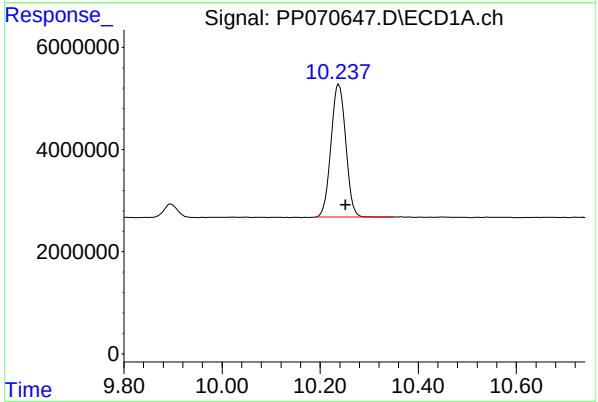
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



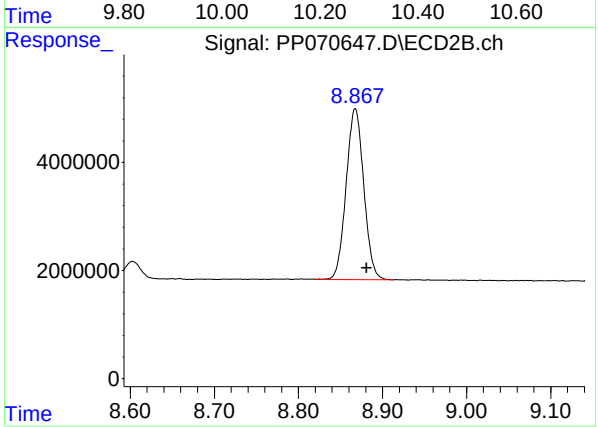

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 50397214
Conc: 50.28 ng/ml



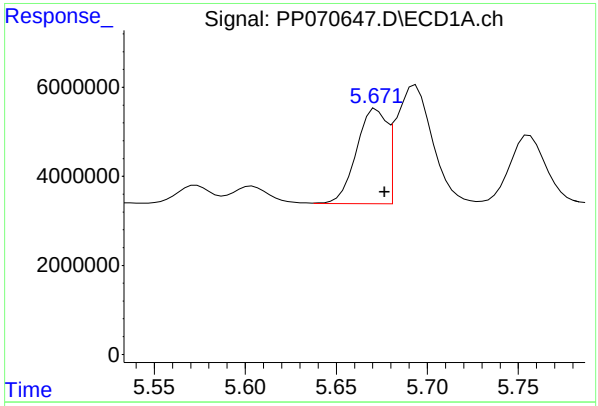

#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 54070749
Conc: 50.90 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 46219599
Conc: 47.24 ng/ml



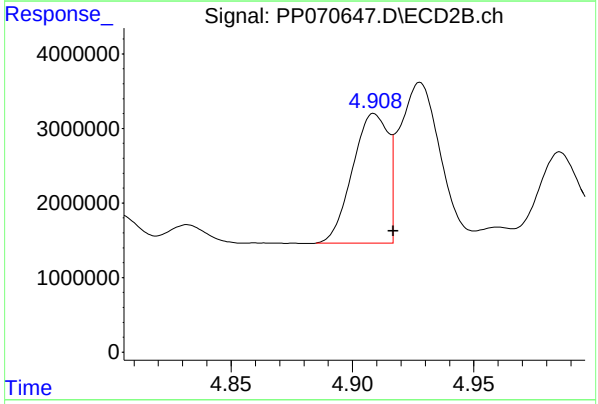

#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 24630575
Conc: 475.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

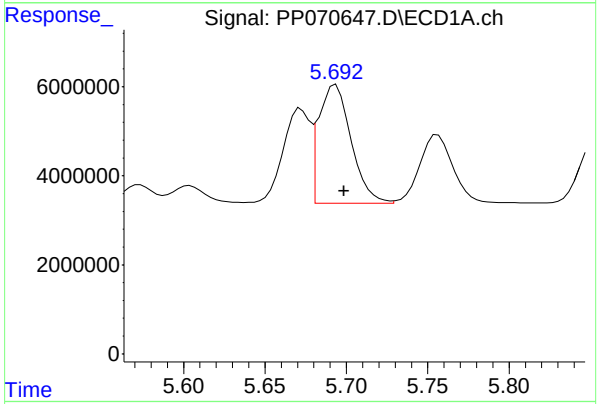
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



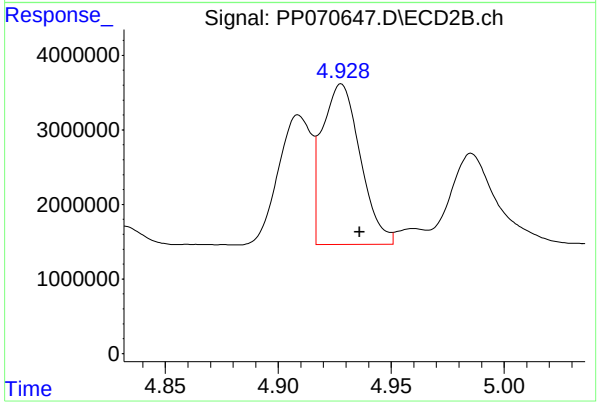

#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.008 min
Response: 17751419
Conc: 493.75 ng/ml



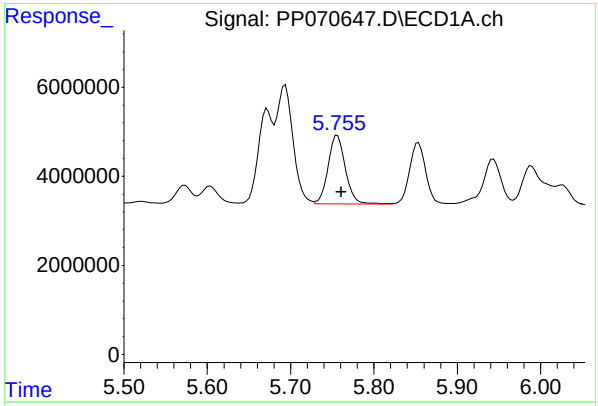

#4 AR-1016-2

R.T.: 5.694 min
Delta R.T.: -0.005 min
Response: 37032597
Conc: 517.61 ng/ml




#4 AR-1016-2

R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 25314090
Conc: 487.12 ng/ml



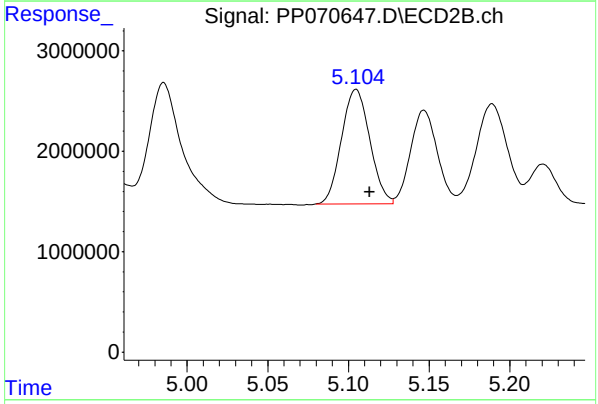

#5 AR-1016-3

R.T.: 5.756 min
Delta R.T.: -0.005 min
Response: 22327366
Conc: 490.30 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

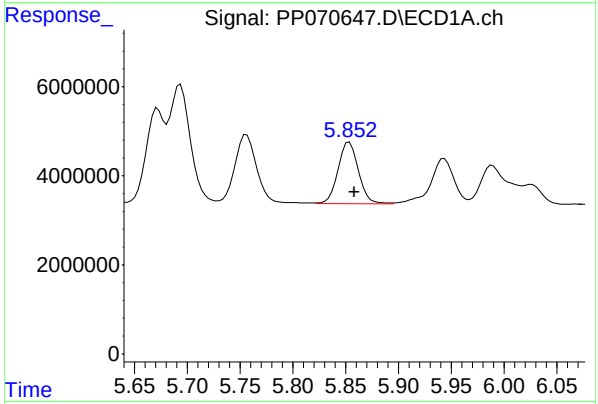
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



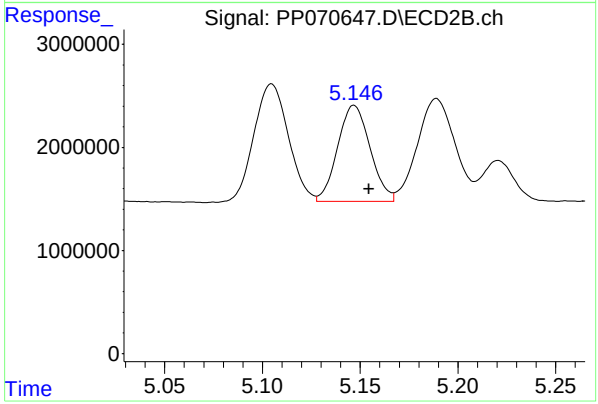

#5 AR-1016-3

R.T.: 5.105 min
Delta R.T.: -0.008 min
Response: 13951100
Conc: 490.31 ng/ml



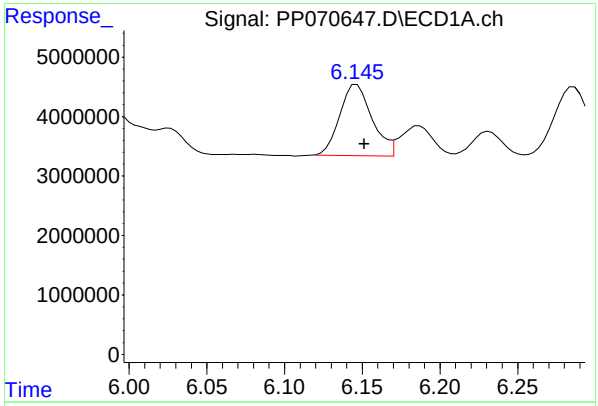

#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 18595371
Conc: 476.34 ng/ml




#6 AR-1016-4

R.T.: 5.147 min
Delta R.T.: -0.008 min
Response: 10774180
Conc: 481.21 ng/ml



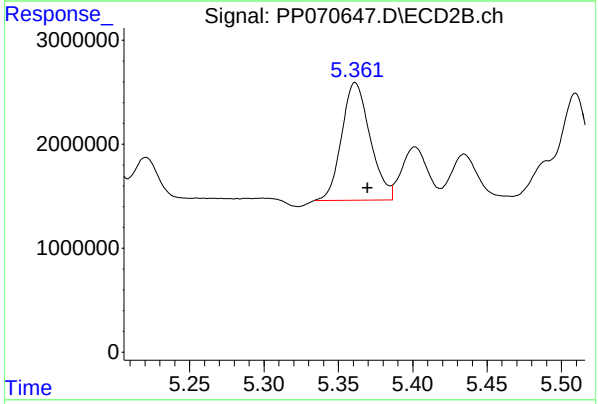

#7 AR-1016-5

R.T.: 6.146 min
Delta R.T.: -0.005 mi
Response: 17289083
Conc: 499.37 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

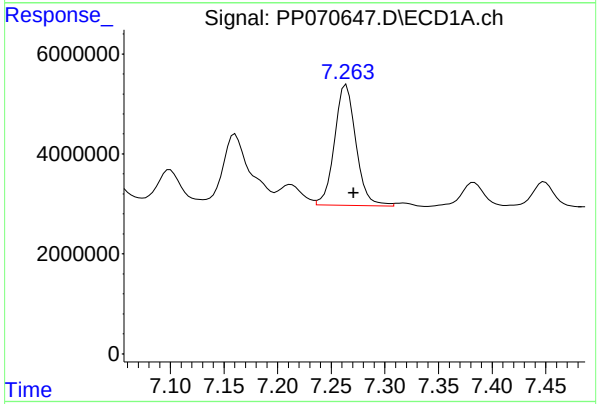
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



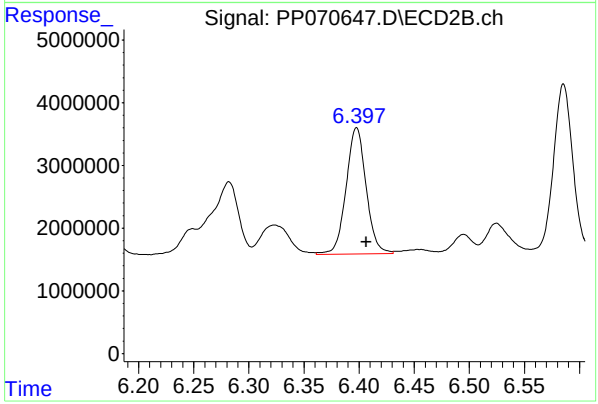

#7 AR-1016-5

R.T.: 5.361 min
Delta R.T.: -0.009 min
Response: 15101211
Conc: 508.14 ng/ml m



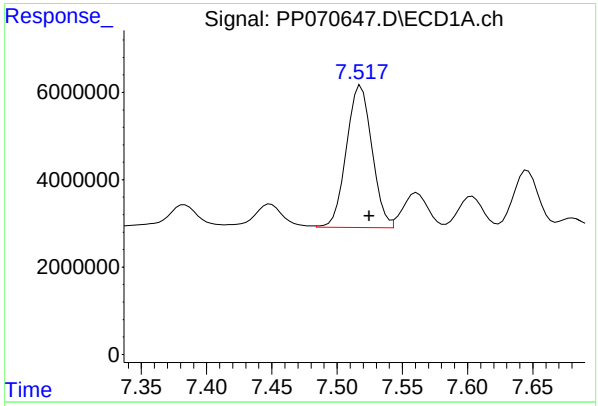

#31 AR-1260-1

R.T.: 7.264 min
Delta R.T.: -0.007 min
Response: 33477094
Conc: 569.94 ng/ml




#31 AR-1260-1

R.T.: 6.398 min
Delta R.T.: -0.009 min
Response: 25476571
Conc: 511.74 ng/ml



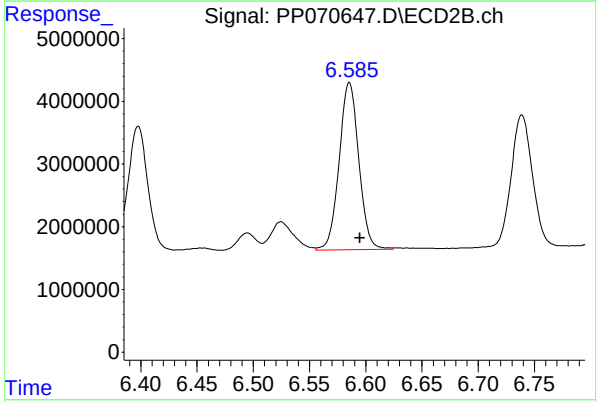

#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.006 mi
Response: 44392277
Conc: 541.09 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

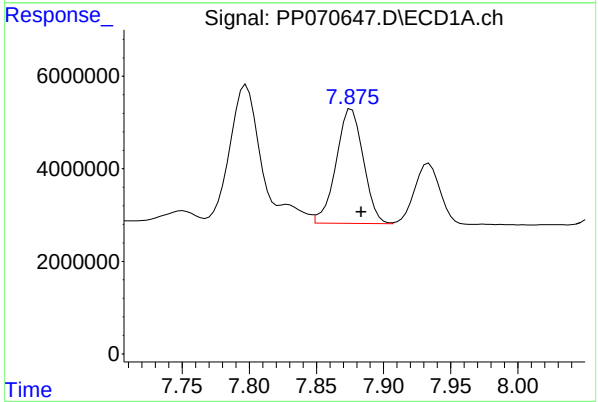
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



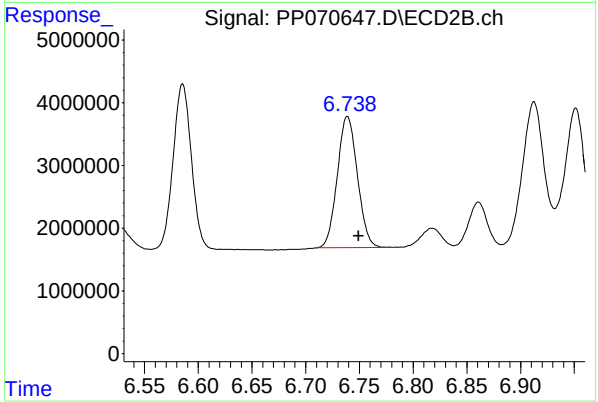

#32 AR-1260-2

R.T.: 6.585 min
Delta R.T.: -0.009 min
Response: 32437993
Conc: 490.83 ng/ml



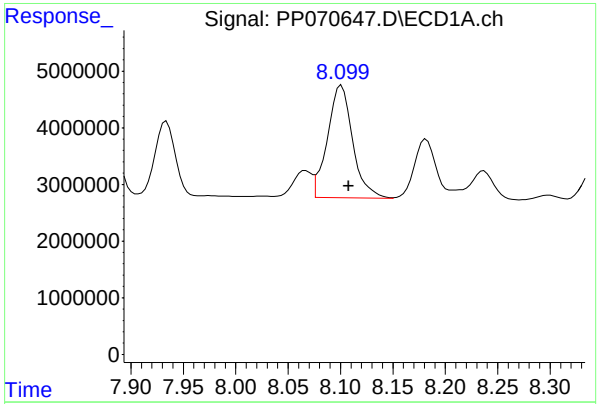

#33 AR-1260-3

R.T.: 7.876 min
Delta R.T.: -0.007 min
Response: 35062904
Conc: 533.21 ng/ml




#33 AR-1260-3

R.T.: 6.739 min
Delta R.T.: -0.010 min
Response: 27278204
Conc: 476.91 ng/ml



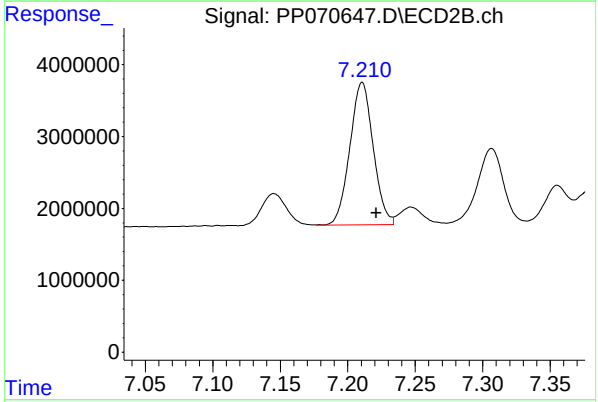

#34 AR-1260-4

R.T.: 8.101 min
Delta R.T.: -0.007 min
Response: 33083330
Conc: 506.30 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

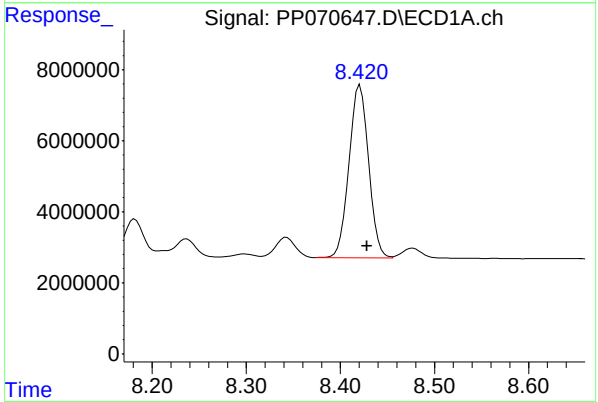
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



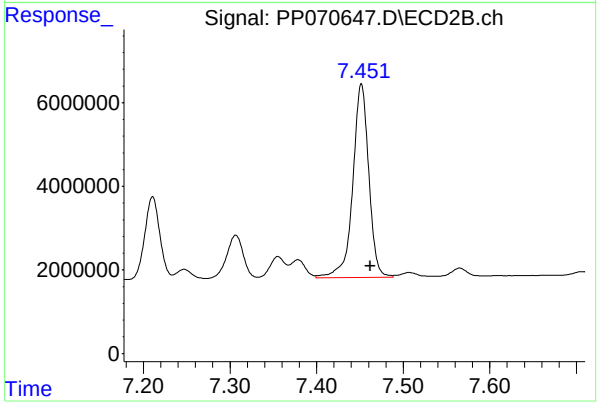

#34 AR-1260-4

R.T.: 7.211 min
Delta R.T.: -0.010 min
Response: 23865946
Conc: 466.46 ng/ml




#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.007 min
Response: 70331248
Conc: 514.58 ng/ml




#35 AR-1260-5

R.T.: 7.452 min
Delta R.T.: -0.010 min
Response: 59568206
Conc: 462.54 ng/ml

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

# Analytical Sequence

**Client:** Tetra Tech, EMI **SDG No.:** Q1573

**Project:** R36884 - PCB **Instrument ID:** ECD_P

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

**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 | 03/11/2025 | 14:57 | PP070418.D | 10.25 | 4.53 |
| AR1660ICC1000 | AR1660ICC1000 | 03/11/2025 | 15:13 | PP070419.D | 10.25 | 4.53 |
| AR1660ICC750 | AR1660ICC750 | 03/11/2025 | 15:29 | PP070420.D | 10.25 | 4.52 |
| AR1660ICC500 | AR1660ICC500 | 03/11/2025 | 15:46 | PP070421.D | 10.25 | 4.52 |
| AR1660ICC250 | AR1660ICC250 | 03/11/2025 | 16:02 | PP070422.D | 10.26 | 4.53 |
| AR1660ICC050 | AR1660ICC050 | 03/11/2025 | 16:18 | PP070423.D | 10.25 | 4.53 |
| AR1221ICC500 | AR1221ICC500 | 03/11/2025 | 16:34 | PP070424.D | 10.25 | 4.53 |
| AR1232ICC1000 | AR1232ICC1000 | 03/11/2025 | 16:51 | PP070425.D | 10.25 | 4.53 |
| AR1232ICC750 | AR1232ICC750 | 03/11/2025 | 17:07 | PP070426.D | 10.25 | 4.53 |
| AR1232ICC500 | AR1232ICC500 | 03/11/2025 | 17:23 | PP070427.D | 10.25 | 4.53 |
| AR1232ICC250 | AR1232ICC250 | 03/11/2025 | 17:40 | PP070428.D | 10.25 | 4.53 |
| AR1232ICC050 | AR1232ICC050 | 03/11/2025 | 17:56 | PP070429.D | 10.26 | 4.53 |
| AR1242ICC1000 | AR1242ICC1000 | 03/11/2025 | 18:12 | PP070430.D | 10.25 | 4.53 |
| AR1242ICC750 | AR1242ICC750 | 03/11/2025 | 18:28 | PP070431.D | 10.25 | 4.53 |
| AR1242ICC500 | AR1242ICC500 | 03/11/2025 | 18:45 | PP070432.D | 10.25 | 4.53 |
| AR1242ICC250 | AR1242ICC250 | 03/11/2025 | 19:01 | PP070433.D | 10.25 | 4.52 |
| AR1242ICC050 | AR1242ICC050 | 03/11/2025 | 19:17 | PP070434.D | 10.25 | 4.53 |
| AR1248ICC1000 | AR1248ICC1000 | 03/11/2025 | 19:34 | PP070435.D | 10.25 | 4.53 |
| AR1248ICC750 | AR1248ICC750 | 03/11/2025 | 19:50 | PP070436.D | 10.25 | 4.52 |
| AR1248ICC500 | AR1248ICC500 | 03/11/2025 | 20:06 | PP070437.D | 10.25 | 4.52 |
| AR1248ICC250 | AR1248ICC250 | 03/11/2025 | 20:22 | PP070438.D | 10.25 | 4.52 |
| AR1248ICC050 | AR1248ICC050 | 03/11/2025 | 20:39 | PP070439.D | 10.25 | 4.52 |
| AR1254ICC1000 | AR1254ICC1000 | 03/11/2025 | 20:55 | PP070440.D | 10.25 | 4.53 |
| AR1254ICC750 | AR1254ICC750 | 03/11/2025 | 21:11 | PP070441.D | 10.25 | 4.52 |
| AR1254ICC500 | AR1254ICC500 | 03/11/2025 | 21:28 | PP070442.D | 10.25 | 4.53 |
| AR1254ICC250 | AR1254ICC250 | 03/11/2025 | 21:44 | PP070443.D | 10.25 | 4.52 |
| AR1254ICC050 | AR1254ICC050 | 03/11/2025 | 22:00 | PP070444.D | 10.25 | 4.53 |
| AR1262ICC500 | AR1262ICC500 | 03/11/2025 | 22:16 | PP070445.D | 10.25 | 4.52 |
| AR1268ICC1000 | AR1268ICC1000 | 03/11/2025 | 22:33 | PP070446.D | 10.25 | 4.53 |
| AR1268ICC750 | AR1268ICC750 | 03/11/2025 | 22:49 | PP070447.D | 10.25 | 4.53 |
| AR1268ICC500 | AR1268ICC500 | 03/11/2025 | 23:05 | PP070448.D | 10.25 | 4.52 |
| AR1268ICC250 | AR1268ICC250 | 03/11/2025 | 23:22 | PP070449.D | 10.25 | 4.52 |
| AR1268ICC050 | AR1268ICC050 | 03/11/2025 | 23:38 | PP070450.D | 10.25 | 4.53 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 14:00 | PP070589.D | 10.25 | 4.52 |
| I.BLK | I.BLK | 03/17/2025 | 15:05 | PP070593.D | 10.24 | 4.52 |
| PB167154BL | PB167154BL | 03/17/2025 | 15:22 | PP070594.D | 10.25 | 4.52 |
| PB167154BS | PB167154BS | 03/17/2025 | 15:38 | PP070595.D | 10.25 | 4.52 |
| C0AC4 | Q1573-01 | 03/17/2025 | 17:15 | PP070601.D | 10.25 | 4.52 |
| C0AC4MS | Q1573-01MS | 03/17/2025 | 17:32 | PP070602.D | 10.24 | 4.52 |
| C0AC4MSD | Q1573-01MSD | 03/17/2025 | 17:48 | PP070603.D | 10.24 | 4.52 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 18:37 | PP070604.D | 10.24 | 4.52 |
| I.BLK | I.BLK | 03/17/2025 | 19:42 | PP070608.D | 10.24 | 4.52 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| C0AC5 | Q1573-02 | 03/17/2025 | 19:58 | PP070609.D | 10.24 | 4.52 |
| C0AC8 | Q1573-04 | 03/17/2025 | 20:30 | PP070611.D | 10.24 | 4.52 |
| C0O29 | Q1573-05 | 03/17/2025 | 20:47 | PP070612.D | 10.24 | 4.52 |
| C0O30 | Q1573-06 | 03/17/2025 | 21:03 | PP070613.D | 10.24 | 4.52 |
| C0O31 | Q1573-07 | 03/17/2025 | 21:19 | PP070614.D | 10.24 | 4.52 |
| C0O32 | Q1573-08 | 03/17/2025 | 21:35 | PP070615.D | 10.24 | 4.52 |
| C0O33 | Q1573-09 | 03/17/2025 | 21:52 | PP070616.D | 10.24 | 4.52 |
| C0O34 | Q1573-10 | 03/17/2025 | 22:08 | PP070617.D | 10.24 | 4.52 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 23:13 | PP070619.D | 10.24 | 4.52 |
| I.BLK | I.BLK | 03/18/2025 | 00:18 | PP070623.D | 10.24 | 4.52 |
| PB167172BL | PB167172BL | 03/18/2025 | 01:06 | PP070626.D | 10.24 | 4.52 |
| PB167172BS | PB167172BS | 03/18/2025 | 01:23 | PP070627.D | 10.24 | 4.52 |
| PB167172BSD | PB167172BSD | 03/18/2025 | 01:39 | PP070628.D | 10.24 | 4.52 |
| C0AC7 | Q1573-12 | 03/18/2025 | 01:55 | PP070629.D | 10.24 | 4.52 |
| C0O37 | Q1573-13 | 03/18/2025 | 02:11 | PP070630.D | 10.24 | 4.52 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 03:16 | PP070632.D | 10.24 | 4.52 |
| I.BLK | I.BLK | 03/18/2025 | 04:21 | PP070636.D | 10.24 | 4.52 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 08:04 | PP070638.D | 10.25 | 4.52 |
| I.BLK | I.BLK | 03/18/2025 | 09:10 | PP070642.D | 10.24 | 4.52 |
| C0AC6 | Q1573-03 | 03/18/2025 | 09:42 | PP070644.D | 10.24 | 4.52 |
| C0O35 | Q1573-11 | 03/18/2025 | 10:14 | PP070645.D | 10.26 | 4.53 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 11:19 | PP070647.D | 10.24 | 4.52 |
| I.BLK | I.BLK | 03/18/2025 | 12:24 | PP070651.D | 10.24 | 4.52 |

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# Analytical Sequence

**Client:** Tetra Tech, EMI **SDG No.:** Q1573

**Project:** R36884 - PCB **Instrument ID:** ECD_P

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

**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 | 03/11/2025 | 14:57 | PP070418.D | 8.88 | 3.83 |
| AR1660ICC1000 | AR1660ICC1000 | 03/11/2025 | 15:13 | PP070419.D | 8.88 | 3.83 |
| AR1660ICC750 | AR1660ICC750 | 03/11/2025 | 15:29 | PP070420.D | 8.88 | 3.83 |
| AR1660ICC500 | AR1660ICC500 | 03/11/2025 | 15:46 | PP070421.D | 8.88 | 3.83 |
| AR1660ICC250 | AR1660ICC250 | 03/11/2025 | 16:02 | PP070422.D | 8.88 | 3.83 |
| AR1660ICC050 | AR1660ICC050 | 03/11/2025 | 16:18 | PP070423.D | 8.88 | 3.83 |
| AR1221ICC500 | AR1221ICC500 | 03/11/2025 | 16:34 | PP070424.D | 8.88 | 3.83 |
| AR1232ICC1000 | AR1232ICC1000 | 03/11/2025 | 16:51 | PP070425.D | 8.88 | 3.83 |
| AR1232ICC750 | AR1232ICC750 | 03/11/2025 | 17:07 | PP070426.D | 8.88 | 3.83 |
| AR1232ICC500 | AR1232ICC500 | 03/11/2025 | 17:23 | PP070427.D | 8.88 | 3.83 |
| AR1232ICC250 | AR1232ICC250 | 03/11/2025 | 17:40 | PP070428.D | 8.88 | 3.83 |
| AR1232ICC050 | AR1232ICC050 | 03/11/2025 | 17:56 | PP070429.D | 8.88 | 3.83 |
| AR1242ICC1000 | AR1242ICC1000 | 03/11/2025 | 18:12 | PP070430.D | 8.88 | 3.83 |
| AR1242ICC750 | AR1242ICC750 | 03/11/2025 | 18:28 | PP070431.D | 8.88 | 3.83 |
| AR1242ICC500 | AR1242ICC500 | 03/11/2025 | 18:45 | PP070432.D | 8.88 | 3.83 |
| AR1242ICC250 | AR1242ICC250 | 03/11/2025 | 19:01 | PP070433.D | 8.88 | 3.83 |
| AR1242ICC050 | AR1242ICC050 | 03/11/2025 | 19:17 | PP070434.D | 8.88 | 3.83 |
| AR1248ICC1000 | AR1248ICC1000 | 03/11/2025 | 19:34 | PP070435.D | 8.88 | 3.83 |
| AR1248ICC750 | AR1248ICC750 | 03/11/2025 | 19:50 | PP070436.D | 8.88 | 3.83 |
| AR1248ICC500 | AR1248ICC500 | 03/11/2025 | 20:06 | PP070437.D | 8.88 | 3.83 |
| AR1248ICC250 | AR1248ICC250 | 03/11/2025 | 20:22 | PP070438.D | 8.88 | 3.83 |
| AR1248ICC050 | AR1248ICC050 | 03/11/2025 | 20:39 | PP070439.D | 8.88 | 3.83 |
| AR1254ICC1000 | AR1254ICC1000 | 03/11/2025 | 20:55 | PP070440.D | 8.88 | 3.83 |
| AR1254ICC750 | AR1254ICC750 | 03/11/2025 | 21:11 | PP070441.D | 8.88 | 3.83 |
| AR1254ICC500 | AR1254ICC500 | 03/11/2025 | 21:28 | PP070442.D | 8.88 | 3.83 |
| AR1254ICC250 | AR1254ICC250 | 03/11/2025 | 21:44 | PP070443.D | 8.88 | 3.83 |
| AR1254ICC050 | AR1254ICC050 | 03/11/2025 | 22:00 | PP070444.D | 8.88 | 3.83 |
| AR1262ICC500 | AR1262ICC500 | 03/11/2025 | 22:16 | PP070445.D | 8.88 | 3.83 |
| AR1268ICC1000 | AR1268ICC1000 | 03/11/2025 | 22:33 | PP070446.D | 8.88 | 3.83 |
| AR1268ICC750 | AR1268ICC750 | 03/11/2025 | 22:49 | PP070447.D | 8.88 | 3.83 |
| AR1268ICC500 | AR1268ICC500 | 03/11/2025 | 23:05 | PP070448.D | 8.88 | 3.83 |
| AR1268ICC250 | AR1268ICC250 | 03/11/2025 | 23:22 | PP070449.D | 8.88 | 3.83 |
| AR1268ICC050 | AR1268ICC050 | 03/11/2025 | 23:38 | PP070450.D | 8.88 | 3.83 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 14:00 | PP070589.D | 8.87 | 3.83 |
| I.BLK | I.BLK | 03/17/2025 | 15:05 | PP070593.D | 8.87 | 3.83 |
| PB167154BL | PB167154BL | 03/17/2025 | 15:22 | PP070594.D | 8.87 | 3.83 |
| PB167154BS | PB167154BS | 03/17/2025 | 15:38 | PP070595.D | 8.87 | 3.83 |
| C0AC4 | Q1573-01 | 03/17/2025 | 17:15 | PP070601.D | 8.87 | 3.83 |
| C0AC4MS | Q1573-01MS | 03/17/2025 | 17:32 | PP070602.D | 8.87 | 3.83 |
| C0AC4MSD | Q1573-01MSD | 03/17/2025 | 17:48 | PP070603.D | 8.87 | 3.83 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 18:37 | PP070604.D | 8.87 | 3.82 |
| I.BLK | I.BLK | 03/17/2025 | 19:42 | PP070608.D | 8.87 | 3.82 |

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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| C0AC5 | Q1573-02 | 03/17/2025 | 19:58 | PP070609.D | 8.87 | 3.82 |
| C0AC8 | Q1573-04 | 03/17/2025 | 20:30 | PP070611.D | 8.87 | 3.82 |
| C0O29 | Q1573-05 | 03/17/2025 | 20:47 | PP070612.D | 8.87 | 3.82 |
| C0O30 | Q1573-06 | 03/17/2025 | 21:03 | PP070613.D | 8.87 | 3.82 |
| C0O31 | Q1573-07 | 03/17/2025 | 21:19 | PP070614.D | 8.87 | 3.82 |
| C0O32 | Q1573-08 | 03/17/2025 | 21:35 | PP070615.D | 8.87 | 3.83 |
| C0O33 | Q1573-09 | 03/17/2025 | 21:52 | PP070616.D | 8.87 | 3.82 |
| C0O34 | Q1573-10 | 03/17/2025 | 22:08 | PP070617.D | 8.87 | 3.82 |
| AR1660CCC500 | AR1660CCC500 | 03/17/2025 | 23:13 | PP070619.D | 8.87 | 3.82 |
| I.BLK | I.BLK | 03/18/2025 | 00:18 | PP070623.D | 8.87 | 3.82 |
| PB167172BL | PB167172BL | 03/18/2025 | 01:06 | PP070626.D | 8.87 | 3.82 |
| PB167172BS | PB167172BS | 03/18/2025 | 01:23 | PP070627.D | 8.87 | 3.82 |
| PB167172BSD | PB167172BSD | 03/18/2025 | 01:39 | PP070628.D | 8.87 | 3.82 |
| C0AC7 | Q1573-12 | 03/18/2025 | 01:55 | PP070629.D | 8.87 | 3.82 |
| C0O37 | Q1573-13 | 03/18/2025 | 02:11 | PP070630.D | 8.87 | 3.82 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 03:16 | PP070632.D | 8.87 | 3.82 |
| I.BLK | I.BLK | 03/18/2025 | 04:21 | PP070636.D | 8.87 | 3.82 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 08:04 | PP070638.D | 8.87 | 3.83 |
| I.BLK | I.BLK | 03/18/2025 | 09:10 | PP070642.D | 8.87 | 3.82 |
| C0AC6 | Q1573-03 | 03/18/2025 | 09:42 | PP070644.D | 8.87 | 3.82 |
| C0O35 | Q1573-11 | 03/18/2025 | 10:14 | PP070645.D | 8.88 | 3.83 |
| AR1660CCC500 | AR1660CCC500 | 03/18/2025 | 11:19 | PP070647.D | 8.87 | 3.82 |
| I.BLK | I.BLK | 03/18/2025 | 12:24 | PP070651.D | 8.87 | 3.82 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167154BS

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167154BS Date(s) Analyzed: 03/17/2025 03/17/2025

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 PP070595.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.676 | 5.626 | 5.726 | 156 | | |
| | 2 | 5.698 | 5.648 | 5.748 | 168 | | |
| | 3 | 5.76 | 5.71 | 5.81 | 159 | | |
| COLUMN 1 | 4 | 5.857 | 5.807 | 5.907 | 157 | | |
| | 5 | 6.15 | 6.1 | 6.2 | 155 | 159 | |
| | 1 | 4.912 | 4.862 | 4.962 | 168 | | |
| | 2 | 4.931 | 4.881 | 4.981 | 167 | | |
| | 3 | 5.108 | 5.058 | 5.158 | 169 | | |
| | 4 | 5.15 | 5.1 | 5.2 | 169 | | |
| COLUMN 2 | 5 | 5.365 | 5.315 | 5.415 | 162 | 167 | 4.91 |
| Aroclor-1260 | 1 | 7.269 | 7.219 | 7.319 | 176 | | |
| | 2 | 7.522 | 7.472 | 7.572 | 173 | | |
| | 3 | 7.881 | 7.831 | 7.931 | 146 | | |
| COLUMN 1 | 4 | 8.105 | 8.055 | 8.155 | 151 | | |
| | 5 | 8.425 | 8.375 | 8.475 | 148 | 159 | |
| | 1 | 6.401 | 6.351 | 6.451 | 168 | | |
| | 2 | 6.589 | 6.539 | 6.639 | 164 | | |
| | 3 | 6.743 | 6.693 | 6.793 | 164 | | |
| | 4 | 7.214 | 7.164 | 7.264 | 138 | | |
| COLUMN 2 | 5 | 7.456 | 7.406 | 7.506 | 139 | 155 | 2.55 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC4

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-01 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070601.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.674 | 5.624 | 5.724 | 24.7 | | |
| | 2 | 5.946 | 5.896 | 5.996 | 71.7 | | |
| | 3 | 6.149 | 6.099 | 6.199 | 65.2 | | |
| COLUMN 1 | 4 | 6.547 | 6.497 | 6.597 | 61.7 | | |
| | 5 | 6.587 | 6.537 | 6.637 | 84.7 | 61.6 | |
| | 1 | 4.914 | 4.864 | 4.964 | 32.8 | | |
| | 2 | 5.149 | 5.099 | 5.199 | 68.1 | | |
| | 3 | 5.191 | 5.141 | 5.241 | 68.7 | | |
| | 4 | 5.364 | 5.314 | 5.414 | 78.1 | | |
| COLUMN 2 | 5 | 5.758 | 5.708 | 5.808 | 81.7 | 65.9 | 6.75 |
| Aroclor-1260 | 1 | 7.268 | 7.218 | 7.318 | 22.7 | | |
| | 2 | 7.522 | 7.472 | 7.572 | 22.0 | | |
| | 3 | 7.879 | 7.829 | 7.929 | 14.9 | | |
| COLUMN 1 | 4 | 8.101 | 8.051 | 8.151 | 17.1 | | |
| | 5 | 8.425 | 8.375 | 8.475 | 14.2 | 18.2 | |
| | 1 | 6.401 | 6.351 | 6.451 | 39.6 | | |
| | 2 | 6.589 | 6.539 | 6.639 | 22.1 | | |
| | 3 | 6.743 | 6.693 | 6.793 | 20.3 | | |
| | 4 | 7.216 | 7.166 | 7.266 | 19.1 | | |
| COLUMN 2 | 5 | 7.455 | 7.405 | 7.505 | 17.5 | 23.7 | 26.25 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0AC4MS

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-01MS Date(s) Analyzed: 03/17/2025 03/17/2025

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 PP070602.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.672 | 5.622 | 5.722 | 161 | | |
| | 2 | 5.694 | 5.644 | 5.744 | 278 | | |
| | 3 | 5.758 | 5.708 | 5.808 | 231 | | |
| COLUMN 1 | 4 | 5.855 | 5.805 | 5.905 | 240 | | |
| | 5 | 6.147 | 6.097 | 6.197 | 261 | 234 | |
| | 1 | 4.912 | 4.862 | 4.962 | 225 | | |
| | 2 | 4.931 | 4.881 | 4.981 | 243 | | |
| | 3 | 5.109 | 5.059 | 5.159 | 230 | | |
| | 4 | 5.15 | 5.1 | 5.2 | 268 | | |
| COLUMN 2 | 5 | 5.365 | 5.315 | 5.415 | 258 | 245 | 4.59 |
| Aroclor-1248 | 1 | 5.672 | 5.622 | 5.722 | 286 | | |
| | 2 | 5.945 | 5.895 | 5.995 | 204 | | |
| | 3 | 6.147 | 6.097 | 6.197 | 196 | | |
| COLUMN 1 | 4 | 6.545 | 6.495 | 6.595 | 74.8 | | |
| | 5 | 6.586 | 6.536 | 6.636 | 111 | 174 | |
| | 1 | 4.912 | 4.862 | 4.962 | 345 | | |
| | 2 | 5.15 | 5.1 | 5.2 | 191 | | |
| | 3 | 5.192 | 5.142 | 5.242 | 219 | | |
| | 4 | 5.365 | 5.315 | 5.415 | 197 | | |
| COLUMN 2 | 5 | 5.759 | 5.709 | 5.809 | 106 | 212 | 19.69 |

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**IDENTIFICATION SUMMARY**

**FOR MULTICOMPONENT ANALYTES**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 7.266 | 7.216 | 7.316 | 227 | | |
| | 2 | 7.52 | 7.47 | 7.57 | 222 | | |
| | 3 | 7.879 | 7.829 | 7.929 | 182 | | |
| COLUMN 1 | 4 | 8.102 | 8.052 | 8.152 | 192 | | |
| | 5 | 8.424 | 8.374 | 8.474 | 183 | 201 | |
| | 1 | 6.402 | 6.352 | 6.452 | 230 | | |
| | 2 | 6.589 | 6.539 | 6.639 | 202 | | |
| | 3 | 6.743 | 6.693 | 6.793 | 205 | | |
| | 4 | 7.215 | 7.165 | 7.265 | 169 | | |
| COLUMN 2 | 5 | 7.456 | 7.406 | 7.506 | 169 | 195 | 3.03 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC4MSD

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-01MSD Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070603.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.674 | 5.624 | 5.724 | 220 | | |
| | 2 | 5.695 | 5.645 | 5.745 | 252 | | |
| | 3 | 5.758 | 5.708 | 5.808 | 224 | | |
| COLUMN 1 | 4 | 5.855 | 5.805 | 5.905 | 231 | | |
| | 5 | 6.148 | 6.098 | 6.198 | 241 | 233 | |
| | 1 | 4.912 | 4.862 | 4.962 | 226 | | |
| | 2 | 4.931 | 4.881 | 4.981 | 233 | | |
| | 3 | 5.108 | 5.058 | 5.158 | 231 | | |
| | 4 | 5.149 | 5.099 | 5.199 | 255 | | |
| COLUMN 2 | 5 | 5.365 | 5.315 | 5.415 | 248 | 239 | 2.54 |
| Aroclor-1248 | 1 | 5.674 | 5.624 | 5.724 | 334 | | |
| | 2 | 5.945 | 5.895 | 5.995 | 190 | | |
| | 3 | 6.148 | 6.098 | 6.198 | 181 | | |
| COLUMN 1 | 4 | 6.545 | 6.495 | 6.595 | 55.1 | | |
| | 5 | 6.586 | 6.536 | 6.636 | 83.2 | 169 | |
| | 1 | 4.912 | 4.862 | 4.962 | 346 | | |
| | 2 | 5.149 | 5.099 | 5.199 | 183 | | |
| | 3 | 5.192 | 5.142 | 5.242 | 210 | | |
| | 4 | 5.365 | 5.315 | 5.415 | 189 | | |
| COLUMN 2 | 5 | 5.758 | 5.708 | 5.808 | 79.0 | 201 | 17.3 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 7.267 | 7.217 | 7.317 | 224 | | |
| | 2 | 7.52 | 7.47 | 7.57 | 216 | | |
| | 3 | 7.878 | 7.828 | 7.928 | 177 | | |
| COLUMN 1 | 4 | 8.102 | 8.052 | 8.152 | 193 | | |
| | 5 | 8.424 | 8.374 | 8.474 | 180 | 198 | |
| | 1 | 6.401 | 6.351 | 6.451 | 222 | | |
| | 2 | 6.589 | 6.539 | 6.639 | 201 | | |
| | 3 | 6.743 | 6.693 | 6.793 | 205 | | |
| | 4 | 7.215 | 7.165 | 7.265 | 170 | | |
| COLUMN 2 | 5 | 7.456 | 7.406 | 7.506 | 168 | 193 | 2.56 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC5

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-02 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070609.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.678 | 5.628 | 5.728 | 37.5 | | |
| | 2 | 5.944 | 5.894 | 5.994 | 74.2 | | |
| | 3 | 6.146 | 6.096 | 6.196 | 79.3 | | |
| COLUMN 1 | 4 | 6.546 | 6.496 | 6.596 | 93.0 | | |
| | 5 | 6.585 | 6.535 | 6.635 | 144 | 85.7 | |
| | 1 | 4.914 | 4.864 | 4.964 | 20.6 | | |
| | 2 | 5.148 | 5.098 | 5.198 | 73.3 | | |
| | 3 | 5.19 | 5.14 | 5.24 | 79.5 | | |
| | 4 | 5.363 | 5.313 | 5.413 | 87.5 | | |
| COLUMN 2 | 5 | 5.756 | 5.706 | 5.806 | 142 | 80.6 | 6.13 |
| Aroclor-1260 | 1 | 7.266 | 7.216 | 7.316 | 32.6 | | |
| | 2 | 7.519 | 7.469 | 7.569 | 32.2 | | |
| | 3 | 7.878 | 7.828 | 7.928 | 23.5 | | |
| COLUMN 1 | 4 | 8.101 | 8.051 | 8.151 | 31.6 | | |
| | 5 | 8.422 | 8.372 | 8.472 | 21.2 | 28.2 | |
| | 1 | 6.4 | 6.35 | 6.45 | 56.8 | | |
| | 2 | 6.587 | 6.537 | 6.637 | 26.4 | | |
| | 3 | 6.741 | 6.691 | 6.791 | 29.5 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 24.2 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 23.7 | 32.1 | 12.94 |

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC8

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-04 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070611.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.673 | 5.623 | 5.723 | 48.0 | | |
| | 2 | 5.942 | 5.892 | 5.992 | 160 | | |
| | 3 | 6.145 | 6.095 | 6.195 | 142 | | |
| COLUMN 1 | 4 | 6.543 | 6.493 | 6.593 | 128 | | |
| | 5 | 6.582 | 6.532 | 6.632 | 222 | 140 | |
| | 1 | 4.914 | 4.864 | 4.964 | 47.6 | | |
| | 2 | 5.148 | 5.098 | 5.198 | 168 | | |
| | 3 | 5.19 | 5.14 | 5.24 | 173 | | |
| | 4 | 5.363 | 5.313 | 5.413 | 158 | | |
| COLUMN 2 | 5 | 5.757 | 5.707 | 5.807 | 216 | 153 | 8.87 |
| Aroclor-1260 | 1 | 7.264 | 7.214 | 7.314 | 42.2 | | |
| | 2 | 7.516 | 7.466 | 7.566 | 39.9 | | |
| | 3 | 7.875 | 7.825 | 7.925 | 21.9 | | |
| COLUMN 1 | 4 | 8.099 | 8.049 | 8.149 | 31.6 | | |
| | 5 | 8.42 | 8.37 | 8.47 | 19.6 | 31.0 | |
| | 1 | 6.4 | 6.35 | 6.45 | 72.4 | | |
| | 2 | 6.587 | 6.537 | 6.637 | 29.0 | | |
| | 3 | 6.741 | 6.691 | 6.791 | 33.3 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 25.0 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 19.9 | 35.9 | 14.65 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O29

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-05 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070612.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 7.265 | 7.215 | 7.315 | 72.8 | | |
| | 2 | 7.52 | 7.47 | 7.57 | 65.7 | | |
| | 3 | 7.879 | 7.829 | 7.929 | 49.5 | | |
| COLUMN 1 | 4 | 8.103 | 8.053 | 8.153 | 65.0 | | |
| | 5 | 8.423 | 8.373 | 8.473 | 46.7 | 59.9 | |
| | 1 | 6.399 | 6.349 | 6.449 | 59.6 | | |
| | 2 | 6.587 | 6.537 | 6.637 | 56.0 | | |
| | 3 | 6.741 | 6.691 | 6.791 | 50.5 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 52.7 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 48.8 | 53.5 | 11.29 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O30

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-06 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070613.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1260 | 1 | 7.266 | 7.216 | 7.316 | 31.8 | | |
| | 2 | 7.519 | 7.469 | 7.569 | 24.8 | | |
| | 3 | 7.878 | 7.828 | 7.928 | 17.1 | | |
| COLUMN 1 | 4 | 8.102 | 8.052 | 8.152 | 22.8 | | |
| | 5 | 8.422 | 8.372 | 8.472 | 16.0 | 22.5 | |
| | 1 | 6.399 | 6.349 | 6.449 | 33.1 | | |
| | 2 | 6.588 | 6.538 | 6.638 | 25.4 | | |
| | 3 | 6.742 | 6.692 | 6.792 | 22.9 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 20.1 | | |
| COLUMN 2 | 5 | 7.453 | 7.403 | 7.503 | 20.3 | 24.3 | 7.69 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O31

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-07 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070614.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.678 | 5.628 | 5.728 | 182 | | |
| | 2 | 5.945 | 5.895 | 5.995 | 402 | | |
| | 3 | 6.147 | 6.097 | 6.197 | 382 | | |
| COLUMN 1 | 4 | 6.545 | 6.495 | 6.595 | 326 | | |
| | 5 | 6.585 | 6.535 | 6.635 | 400 | 338 | |
| | 1 | 4.91 | 4.86 | 4.96 | 153 | | |
| | 2 | 5.148 | 5.098 | 5.198 | 395 | | |
| | 3 | 5.189 | 5.139 | 5.239 | 368 | | |
| | 4 | 5.362 | 5.312 | 5.412 | 380 | | |
| COLUMN 2 | 5 | 5.756 | 5.706 | 5.806 | 388 | 337 | 0.3 |
| Aroclor-1260 | 1 | 7.266 | 7.216 | 7.316 | 109 | | |
| | 2 | 7.518 | 7.468 | 7.568 | 136 | | |
| | 3 | 7.877 | 7.827 | 7.927 | 72.1 | | |
| COLUMN 1 | 4 | 8.101 | 8.051 | 8.151 | 88.7 | | |
| | 5 | 8.422 | 8.372 | 8.472 | 66.9 | 94.6 | |
| | 1 | 6.4 | 6.35 | 6.45 | 174 | | |
| | 2 | 6.587 | 6.537 | 6.637 | 86.6 | | |
| | 3 | 6.74 | 6.69 | 6.79 | 93.9 | | |
| | 4 | 7.212 | 7.162 | 7.262 | 70.2 | | |
| COLUMN 2 | 5 | 7.453 | 7.403 | 7.503 | 64.3 | 97.8 | 3.33 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O32

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-08 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070615.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.676 | 5.626 | 5.726 | 32.7 | | |
| | 2 | 5.946 | 5.896 | 5.996 | 116 | | |
| | 3 | 6.149 | 6.099 | 6.199 | 90.4 | | |
| COLUMN 1 | 4 | 6.548 | 6.498 | 6.598 | 92.7 | | |
| | 5 | 6.587 | 6.537 | 6.637 | 157 | 97.6 | |
| | 1 | 4.914 | 4.864 | 4.964 | 29.4 | | |
| | 2 | 5.149 | 5.099 | 5.199 | 125 | | |
| | 3 | 5.19 | 5.14 | 5.24 | 121 | | |
| | 4 | 5.364 | 5.314 | 5.414 | 102 | | |
| COLUMN 2 | 5 | 5.757 | 5.707 | 5.807 | 153 | 106 | 8.25 |
| Aroclor-1260 | 1 | 7.268 | 7.218 | 7.318 | 37.8 | | |
| | 2 | 7.521 | 7.471 | 7.571 | 30.6 | | |
| | 3 | 7.88 | 7.83 | 7.93 | 18.7 | | |
| COLUMN 1 | 4 | 8.102 | 8.052 | 8.152 | 27.8 | | |
| | 5 | 8.425 | 8.375 | 8.475 | 17.2 | 26.4 | |
| | 1 | 6.4 | 6.35 | 6.45 | 53.3 | | |
| | 2 | 6.589 | 6.539 | 6.639 | 24.5 | | |
| | 3 | 6.742 | 6.692 | 6.792 | 28.5 | | |
| | 4 | 7.215 | 7.165 | 7.265 | 26.9 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 20.3 | 30.7 | 15.06 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O33

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-09 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070616.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.678 | 5.628 | 5.728 | 106 | | |
| | 2 | 5.946 | 5.896 | 5.996 | 219 | | |
| | 3 | 6.148 | 6.098 | 6.198 | 218 | | |
| COLUMN 1 | 4 | 6.547 | 6.497 | 6.597 | 207 | | |
| | 5 | 6.587 | 6.537 | 6.637 | 273 | 204 | |
| | 1 | 4.912 | 4.862 | 4.962 | 101 | | |
| | 2 | 5.148 | 5.098 | 5.198 | 213 | | |
| | 3 | 5.19 | 5.14 | 5.24 | 216 | | |
| | 4 | 5.363 | 5.313 | 5.413 | 216 | | |
| COLUMN 2 | 5 | 5.757 | 5.707 | 5.807 | 268 | 203 | 0.49 |
| Aroclor-1260 | 1 | 7.267 | 7.217 | 7.317 | 183 | | |
| | 2 | 7.521 | 7.471 | 7.571 | 207 | | |
| | 3 | 7.88 | 7.83 | 7.93 | 158 | | |
| COLUMN 1 | 4 | 8.102 | 8.052 | 8.152 | 169 | | |
| | 5 | 8.424 | 8.374 | 8.474 | 163 | 176 | |
| | 1 | 6.4 | 6.35 | 6.45 | 220 | | |
| | 2 | 6.588 | 6.538 | 6.638 | 180 | | |
| | 3 | 6.741 | 6.691 | 6.791 | 165 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 150 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 152 | 173 | 1.72 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0O34

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-10 Date(s) Analyzed: 03/17/2025 03/17/2025
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 PP070617.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.668 | 5.618 | 5.718 | 24.9 | | |
| | 2 | 5.943 | 5.893 | 5.993 | 45.1 | | |
| | 3 | 6.146 | 6.096 | 6.196 | 38.8 | | |
| COLUMN 1 | 4 | 6.544 | 6.494 | 6.594 | 54.2 | | |
| | 5 | 6.583 | 6.533 | 6.633 | 64.5 | 45.5 | |
| | 1 | 4.911 | 4.861 | 4.961 | 21.6 | | |
| | 2 | 5.148 | 5.098 | 5.198 | 43.5 | | |
| | 3 | 5.191 | 5.141 | 5.241 | 40.9 | | |
| | 4 | 5.363 | 5.313 | 5.413 | 45.2 | | |
| COLUMN 2 | 5 | 5.757 | 5.707 | 5.807 | 53.0 | 40.8 | 10.89 |
| Aroclor-1260 | 1 | 7.264 | 7.214 | 7.314 | 13.0 | | |
| | 2 | 7.518 | 7.468 | 7.568 | 8.92 | | |
| | 3 | 7.876 | 7.826 | 7.926 | 4.86 | | |
| COLUMN 1 | 4 | 8.085 | 8.035 | 8.135 | 10.3 | | |
| | 5 | 8.42 | 8.37 | 8.47 | 4.96 | 8.40 | |
| | 1 | 6.402 | 6.352 | 6.452 | 17.7 | | |
| | 2 | 6.588 | 6.538 | 6.638 | 6.87 | | |
| | 3 | 6.742 | 6.692 | 6.792 | 9.46 | | |
| | 4 | 7.214 | 7.164 | 7.264 | 6.59 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 7.32 | 9.60 | 13.33 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167172BS

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: PB167172BS Date(s) Analyzed: 03/18/2025 03/18/2025
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 PP070627.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.674 | 5.624 | 5.724 | 4.25 | | |
| | 2 | 5.695 | 5.645 | 5.745 | 4.56 | | |
| | 3 | 5.758 | 5.708 | 5.808 | 4.36 | | |
| COLUMN 1 | 4 | 5.855 | 5.805 | 5.905 | 4.35 | | |
| | 5 | 6.148 | 6.098 | 6.198 | 4.29 | 4.40 | |
| | 1 | 4.909 | 4.859 | 4.959 | 4.57 | | |
| | 2 | 4.928 | 4.878 | 4.978 | 4.46 | | |
| | 3 | 5.106 | 5.056 | 5.156 | 4.59 | | |
| | 4 | 5.147 | 5.097 | 5.197 | 4.61 | | |
| COLUMN 2 | 5 | 5.362 | 5.312 | 5.412 | 4.46 | 4.50 | 2.25 |
| Aroclor-1260 | 1 | 7.267 | 7.217 | 7.317 | 4.64 | | |
| | 2 | 7.52 | 7.47 | 7.57 | 4.60 | | |
| | 3 | 7.879 | 7.829 | 7.929 | 3.86 | | |
| COLUMN 1 | 4 | 8.103 | 8.053 | 8.153 | 4.00 | | |
| | 5 | 8.423 | 8.373 | 8.473 | 4.03 | 4.20 | |
| | 1 | 6.398 | 6.348 | 6.448 | 4.50 | | |
| | 2 | 6.586 | 6.536 | 6.636 | 4.35 | | |
| | 3 | 6.74 | 6.69 | 6.79 | 4.27 | | |
| | 4 | 7.212 | 7.162 | 7.262 | 3.54 | | |
| COLUMN 2 | 5 | 7.453 | 7.403 | 7.503 | 3.61 | 4.10 | 2.41 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167172BSD

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: PB167172BSD Date(s) Analyzed: 03/18/2025 03/18/2025
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 PP070628.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.672 | 5.622 | 5.722 | 4.40 | | |
| | 2 | 5.693 | 5.643 | 5.743 | 4.72 | | |
| | 3 | 5.756 | 5.706 | 5.806 | 4.77 | | |
| COLUMN 1 | 4 | 5.853 | 5.803 | 5.903 | 4.59 | | |
| | 5 | 6.145 | 6.095 | 6.195 | 4.25 | 4.50 | |
| | 1 | 4.91 | 4.86 | 4.96 | 4.59 | | |
| | 2 | 4.929 | 4.879 | 4.979 | 4.45 | | |
| | 3 | 5.106 | 5.056 | 5.156 | 4.52 | | |
| | 4 | 5.147 | 5.097 | 5.197 | 4.46 | | |
| COLUMN 2 | 5 | 5.362 | 5.312 | 5.412 | 4.34 | 4.50 | 0 |
| Aroclor-1260 | 1 | 7.265 | 7.215 | 7.315 | 4.85 | | |
| | 2 | 7.518 | 7.468 | 7.568 | 4.73 | | |
| | 3 | 7.877 | 7.827 | 7.927 | 3.96 | | |
| COLUMN 1 | 4 | 8.1 | 8.05 | 8.15 | 4.21 | | |
| | 5 | 8.421 | 8.371 | 8.471 | 4.11 | 4.40 | |
| | 1 | 6.399 | 6.349 | 6.449 | 4.58 | | |
| | 2 | 6.586 | 6.536 | 6.636 | 4.48 | | |
| | 3 | 6.74 | 6.69 | 6.79 | 4.40 | | |
| | 4 | 7.213 | 7.163 | 7.263 | 3.76 | | |
| COLUMN 2 | 5 | 7.454 | 7.404 | 7.504 | 3.78 | 4.20 | 4.65 |

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
C0AC6

Contract: TETR16
Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573
Lab Sample ID: Q1573-03 Date(s) Analyzed: 03/18/2025 03/18/2025
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 PP070644.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.673 | 5.623 | 5.723 | 17.0 | | |
| | 2 | 5.943 | 5.893 | 5.993 | 42.6 | | |
| | 3 | 6.146 | 6.096 | 6.196 | 31.3 | | |
| COLUMN 1 | 4 | 6.545 | 6.495 | 6.595 | 29.2 | | |
| | 5 | 6.583 | 6.533 | 6.633 | 45.9 | 33.2 | |
| | 1 | 4.912 | 4.862 | 4.962 | 14.6 | | |
| | 2 | 5.146 | 5.096 | 5.196 | 37.1 | | |
| | 3 | 5.187 | 5.137 | 5.237 | 36.1 | | |
| | 4 | 5.36 | 5.31 | 5.41 | 36.1 | | |
| COLUMN 2 | 5 | 5.754 | 5.704 | 5.804 | 52.1 | 35.2 | 5.85 |
| Aroclor-1260 | 1 | 7.265 | 7.215 | 7.315 | 26.3 | | |
| | 2 | 7.519 | 7.469 | 7.569 | 22.6 | | |
| | 3 | 7.877 | 7.827 | 7.927 | 16.4 | | |
| COLUMN 1 | 4 | 8.101 | 8.051 | 8.151 | 24.3 | | |
| | 5 | 8.421 | 8.371 | 8.471 | 17.1 | 21.3 | |
| | 1 | 6.397 | 6.347 | 6.447 | 33.0 | | |
| | 2 | 6.584 | 6.534 | 6.634 | 18.7 | | |
| | 3 | 6.74 | 6.69 | 6.79 | 18.2 | | |
| | 4 | 7.21 | 7.16 | 7.26 | 20.1 | | |
| COLUMN 2 | 5 | 7.451 | 7.401 | 7.501 | 18.8 | 21.8 | 2.32 |

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## IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O35

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: Q1573-11 Date(s) Analyzed: 03/18/2025 03/18/2025

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 PP070645.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1248 | 1 | 5.687 | 5.637 | 5.737 | 18.7 | | |
| | 2 | 5.953 | 5.903 | 6.003 | 24.3 | | |
| | 3 | 6.155 | 6.105 | 6.205 | 22.3 | | |
| COLUMN 1 | 4 | 6.552 | 6.502 | 6.602 | 27.0 | | |
| | 5 | 6.592 | 6.542 | 6.642 | 34.4 | 25.4 | |
| | 1 | 4.912 | 4.862 | 4.962 | 15.4 | | |
| | 2 | 5.151 | 5.101 | 5.201 | 24.2 | | |
| | 3 | 5.193 | 5.143 | 5.243 | 24.9 | | |
| | 4 | 5.366 | 5.316 | 5.416 | 24.2 | | |
| COLUMN 2 | 5 | 5.76 | 5.71 | 5.81 | 38.7 | 25.5 | 0.39 |
| Aroclor-1260 | 1 | 7.274 | 7.224 | 7.324 | 14.7 | | |
| | 2 | 7.527 | 7.477 | 7.577 | 14.7 | | |
| | 3 | 7.885 | 7.835 | 7.935 | 9.10 | | |
| COLUMN 1 | 4 | 8.109 | 8.059 | 8.159 | 15.3 | | |
| | 5 | 8.431 | 8.381 | 8.481 | 7.03 | 12.2 | |
| | 1 | 6.403 | 6.353 | 6.453 | 20.3 | | |
| | 2 | 6.591 | 6.541 | 6.641 | 12.8 | | |
| | 3 | 6.745 | 6.695 | 6.795 | 14.8 | | |
| | 4 | 7.217 | 7.167 | 7.267 | 10.6 | | |
| COLUMN 2 | 5 | 7.457 | 7.407 | 7.507 | 9.10 | 13.5 | 10.12 |

# QC SAMPLE DATA

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | |
| Project: | R36884 - PCB | Date Received: | |
| Client Sample ID: | PB167154BL | SDG No.: | Q1573 |
| Lab Sample ID: | PB167154BL | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070594.D | 1 | 03/17/25 08:35 | 03/17/25 15:22 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 17.0 | U | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 17.0 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 17.0 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 17.0 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 17.0 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 17.0 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 17.0 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 17.0 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 17.0 | U | 3.20 | 17.0 | ug/kg |
| Total PCBs | Total PCBs | 17.0 | U | 5.90 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.5 | | 32 - 144 | 117% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.4 | | 32 - 175 | 112% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:22
Operator : YP\AJ
Sample : PB167154BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.524 | 3.827 | 31913916 | 23531138 | 20.518 | 23.478 |
| 2) | SA Decachlor... | 10.246 | 8.874 | 23748248 | 19823045 | 22.355 | 20.261 |
| | Target Compounds | | | | | | |

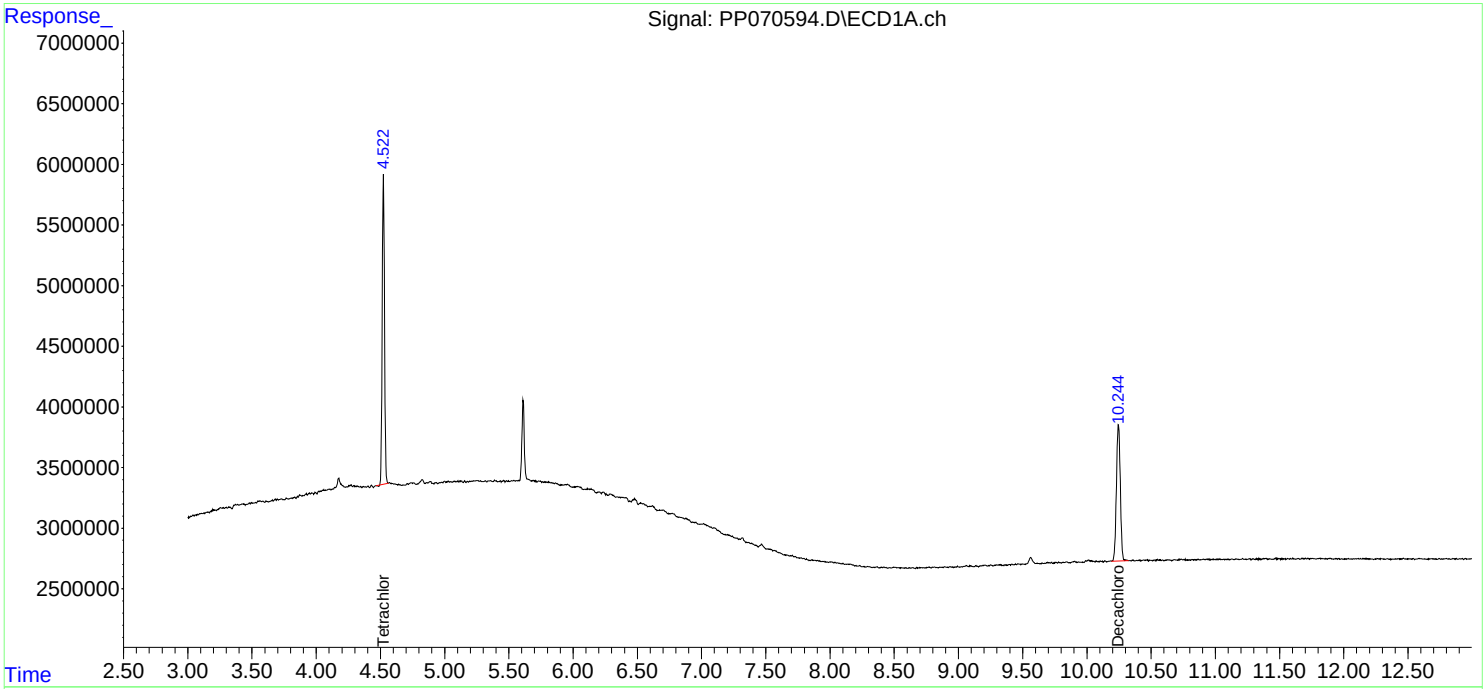
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

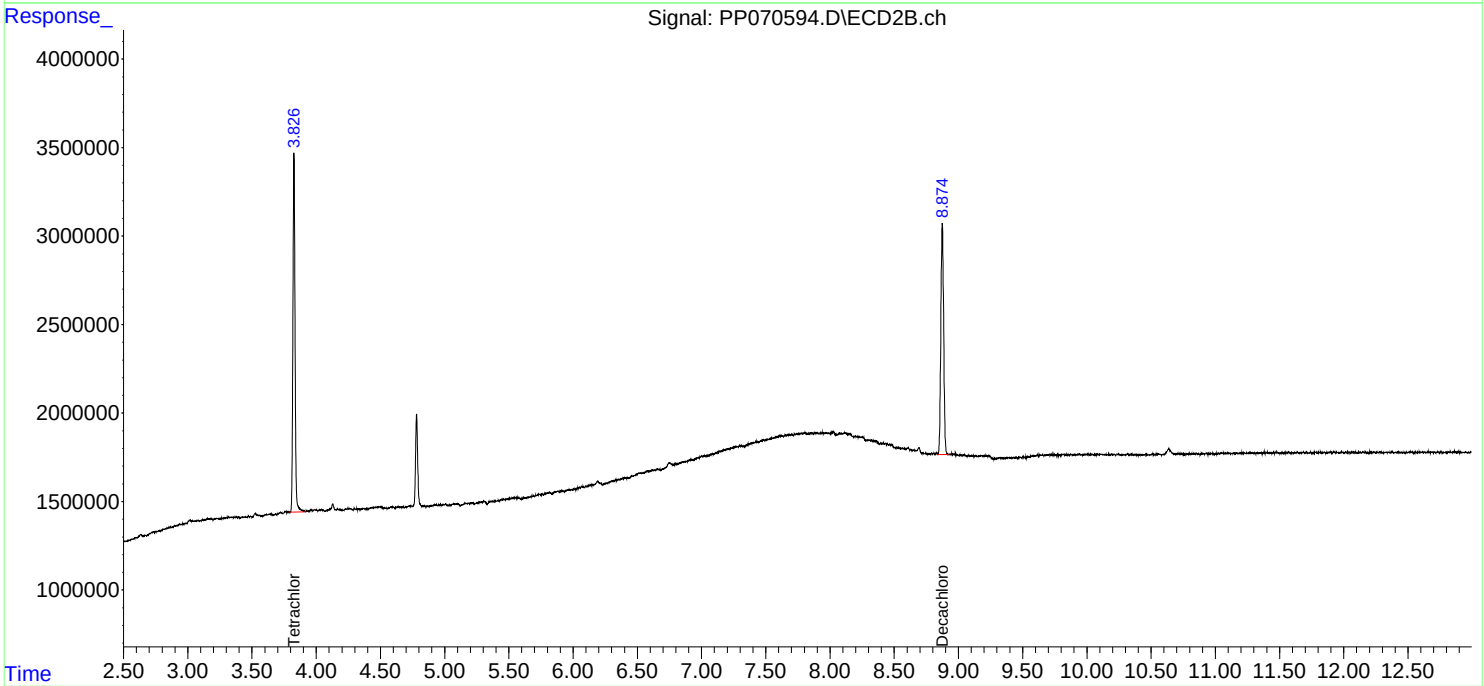
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:22
Operator : YP\AJ
Sample : PB167154BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

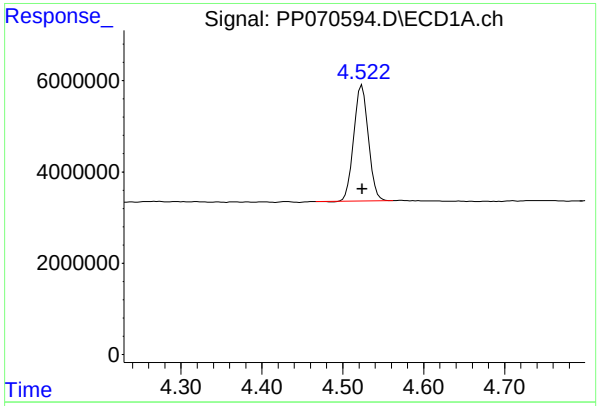
**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



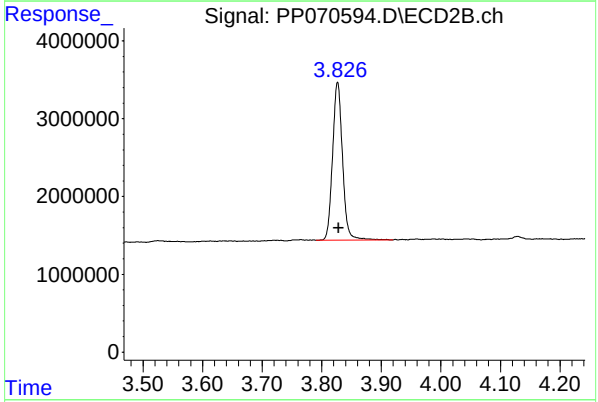






#1 Tetrachloro-m-xylene

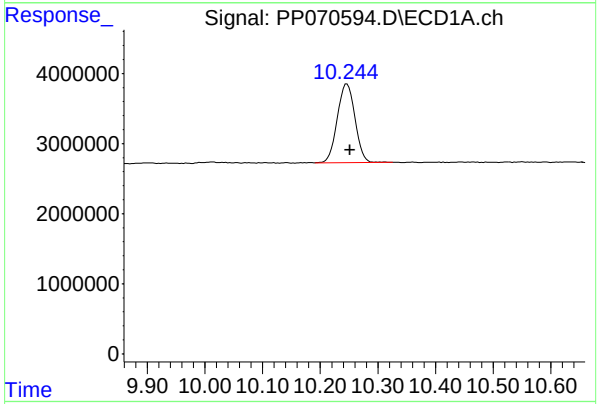
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 31913916
Conc: 20.52 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BL



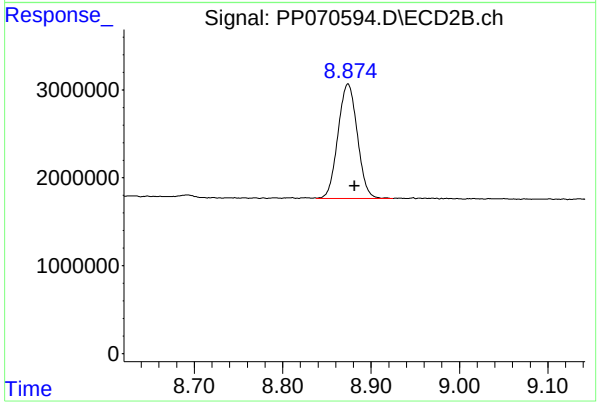

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 23531138
Conc: 23.48 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: -0.006 min
Response: 23748248
Conc: 22.35 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 19823045
Conc: 20.26 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | |
| Project: | R36884 - PCB | Date Received: | |
| Client Sample ID: | PB167172BL | SDG No.: | Q1573 |
| Lab Sample ID: | PB167172BL | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070626.D | 1 | 03/17/25 09:35 | 03/18/25 01:06 | PB167172 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| Total PCBs | Total PCBs | 0.50 | U | 0.14 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.7 | | 16 - 158 | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.7 | | 10 - 173 | 99% | 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\PP031725\
Data File : PP070626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:06
Operator : YP\AJ
Sample : PB167172BL
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 30921049 | 21732164 | 19.880 | 21.683 |
| 2) | SA Decachlor... | 10.243 | 8.870 | 20949246 | 17769290 | 19.720 | 18.162 |
| | Target Compounds | | | | | | |

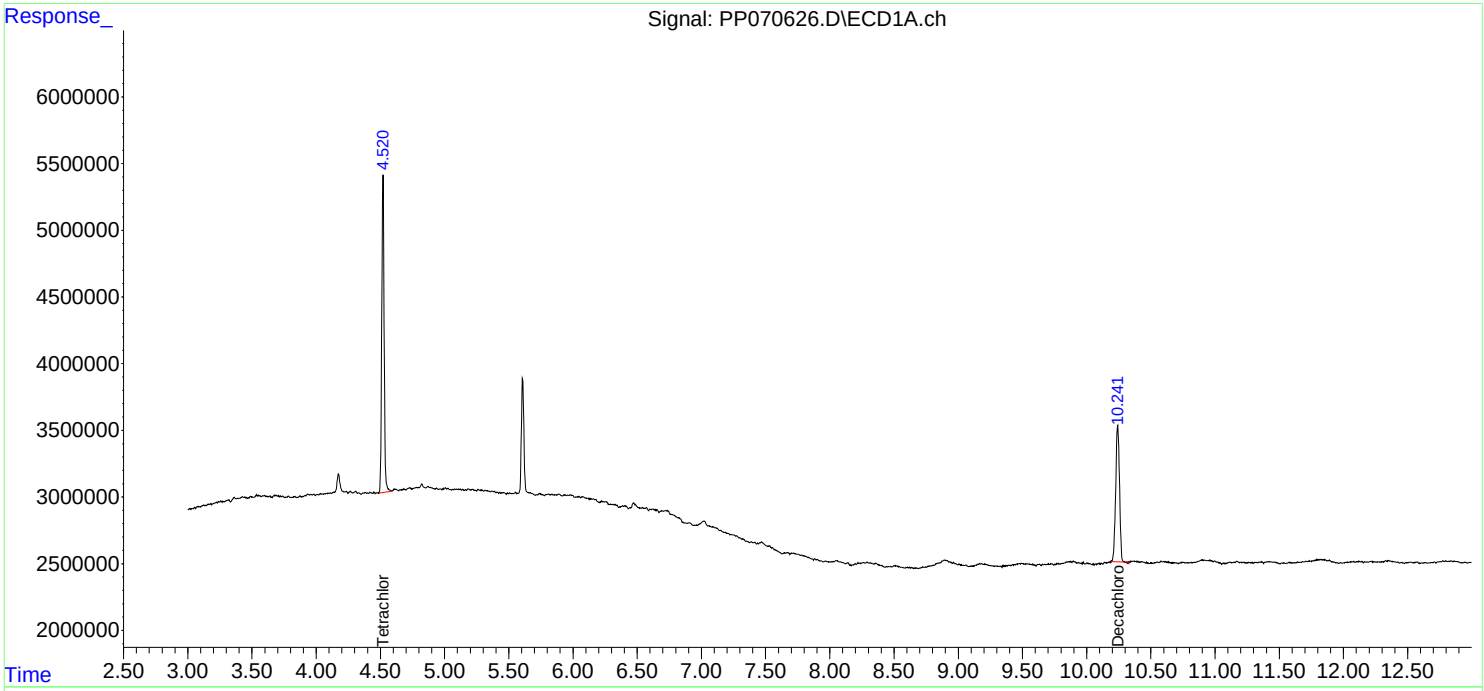
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

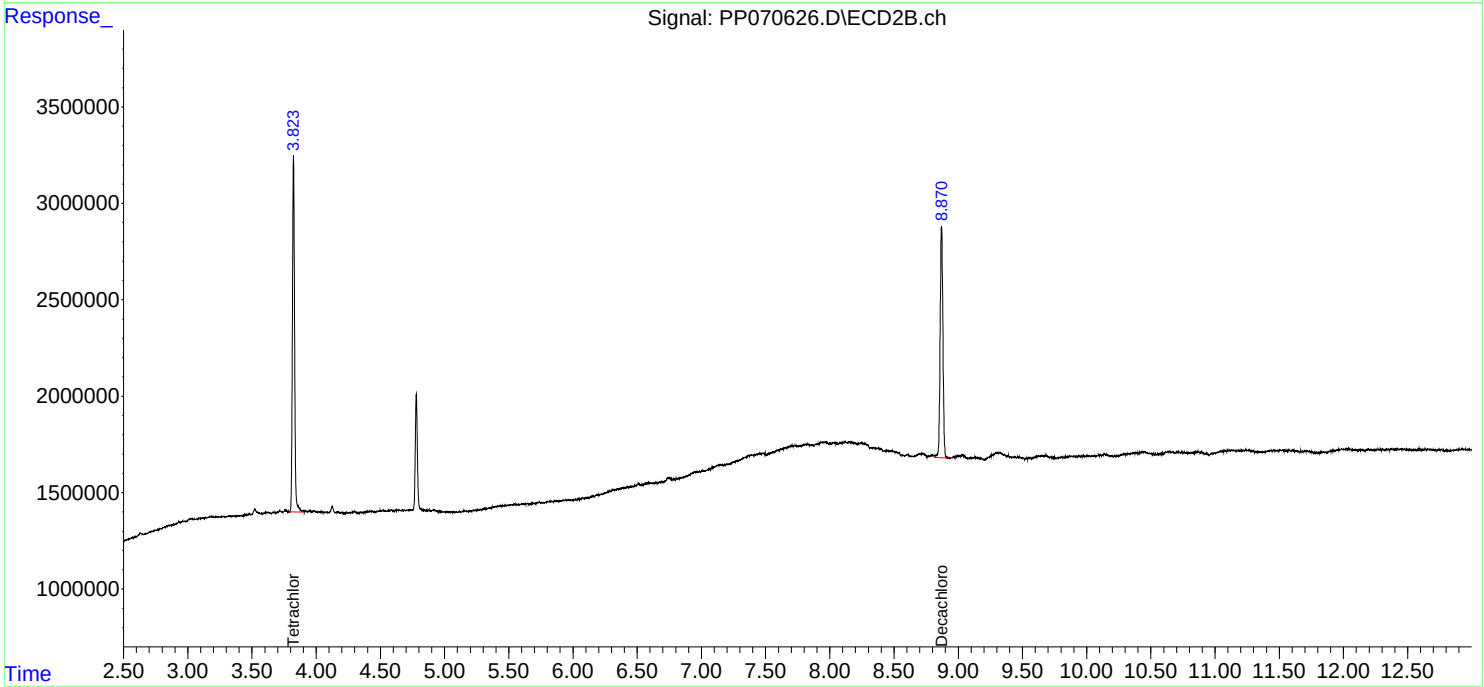
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:06
Operator : YP\AJ
Sample : PB167172BL
Misc :
ALS Vial : 39 Sample Multiplier: 1

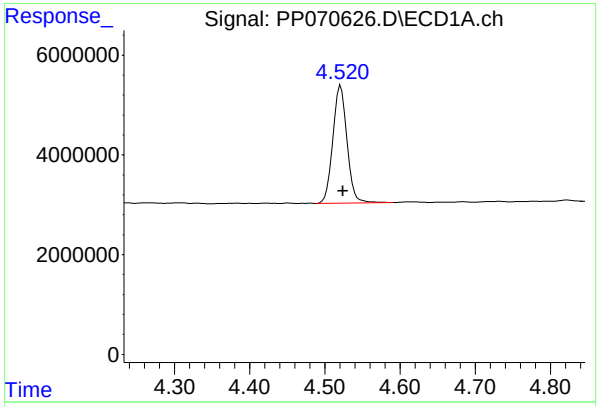
**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



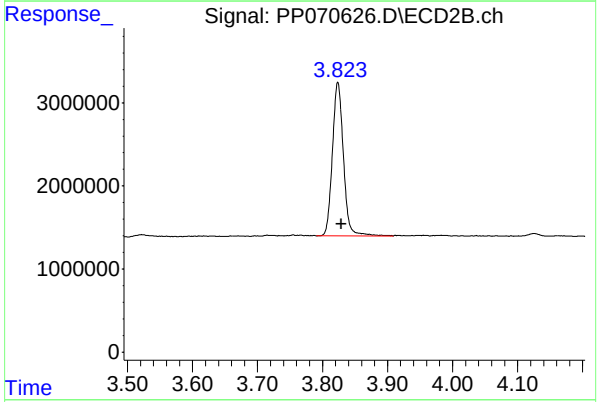






#1 Tetrachloro-m-xylene

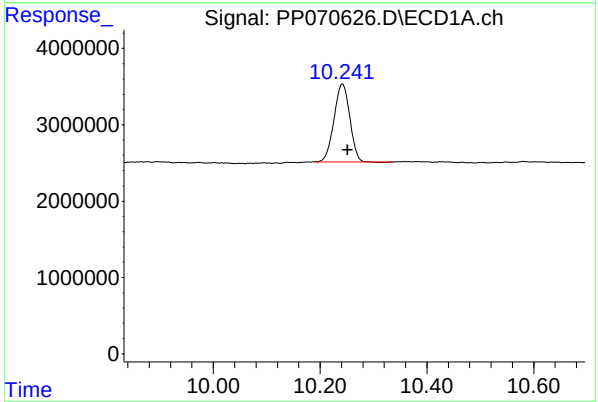
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30921049
Conc: 19.88 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BL



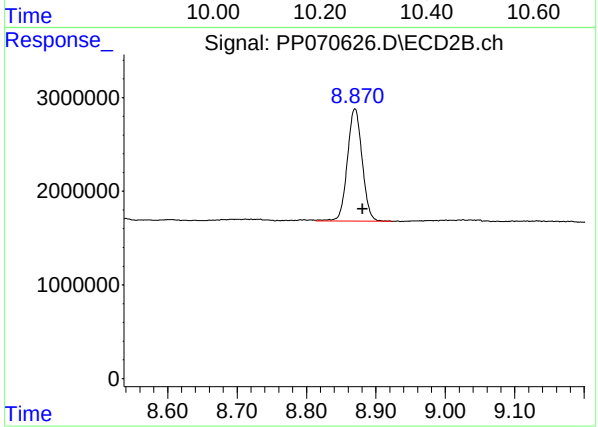

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 21732164
Conc: 21.68 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 20949246
Conc: 19.72 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.870 min
Delta R.T.: -0.011 min
Response: 17769290
Conc: 18.16 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/11/25 |
| Client Sample ID: | PIBLK-PP070418.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070418.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070418.D | 1 | | 03/11/25 | pp031125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.0 | | 60 - 140 | 110% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.1 | | 60 - 140 | 116% | 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\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
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: Mar 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.526 | 3.828 | 34285116 | 23007566 | 22.043 | 22.955 |
| 2) | SA Decachlor... | 10.252 | 8.880 | 24539341 | 22949882 | 23.099 | 23.457 |
| | Target Compounds | | | | | | |

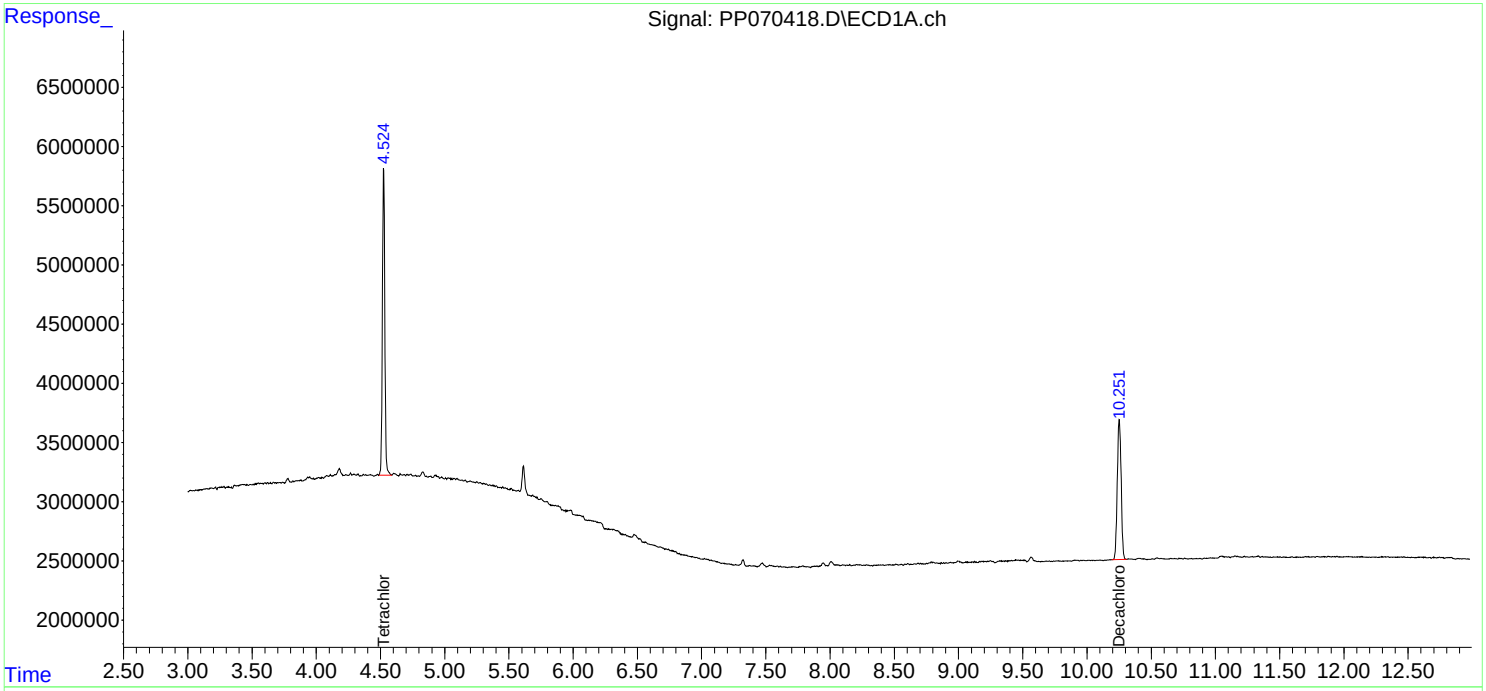
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

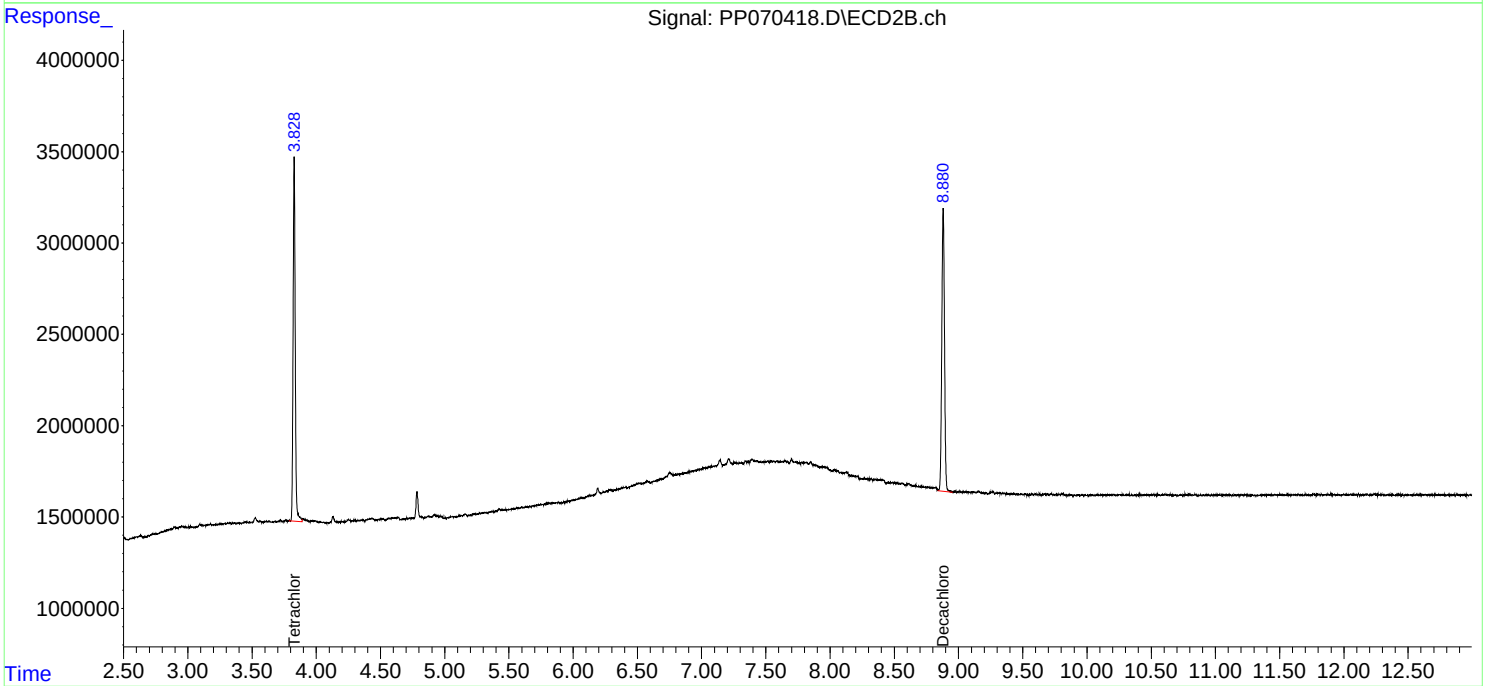
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031125\
Data File : PP070418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Mar 2025 14:57
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

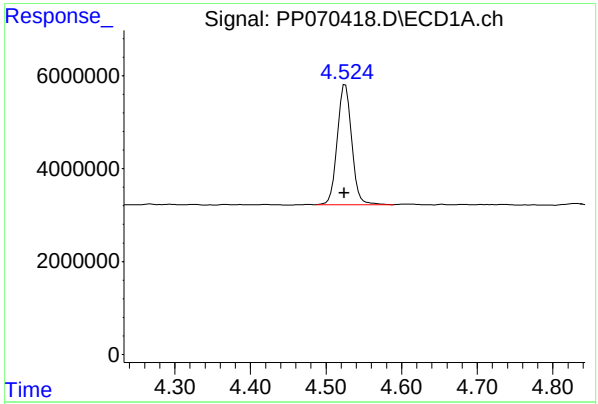
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 12 03:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



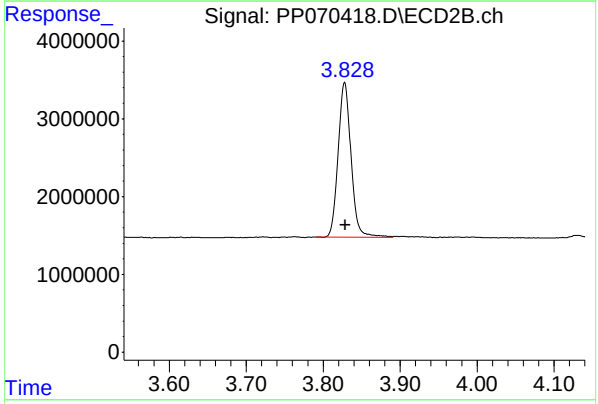






#1 Tetrachloro-m-xylene

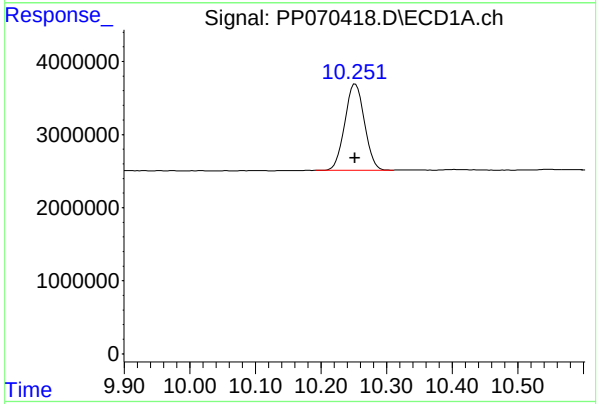
R.T.: 4.526 min
Delta R.T.: 0.002 mi
Response: 34285116
Conc: 22.04 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



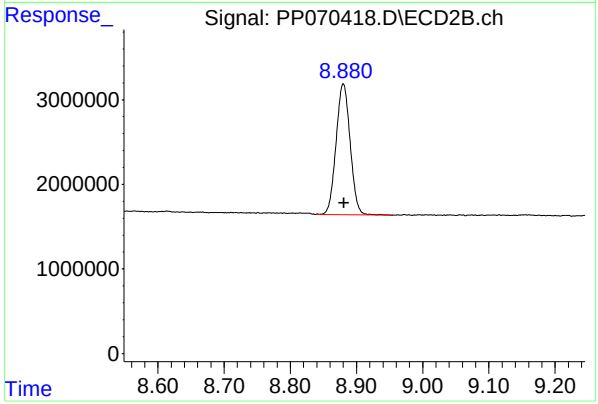

#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: 0.000 min
Response: 23007566
Conc: 22.96 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: 0.000 min
Response: 24539341
Conc: 23.10 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.880 min
Delta R.T.: -0.001 min
Response: 22949882
Conc: 23.46 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/17/25 |
| Project: | R36884 - PCB | Date Received: | 03/17/25 |
| Client Sample ID: | PIBLK-PP070593.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070593.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070593.D | 1 | | 03/17/25 | PP031725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.6 | | 60 - 140 | 98% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.8 | | 60 - 140 | 99% | 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\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
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: Mar 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.827 | 30401287 | 21450306 | 19.546 | 21.401 |
| 2) | SA Decachlor... | 10.242 | 8.874 | 22426495 | 19395663 | 21.110 | 19.825 |
| | Target Compounds | | | | | | |

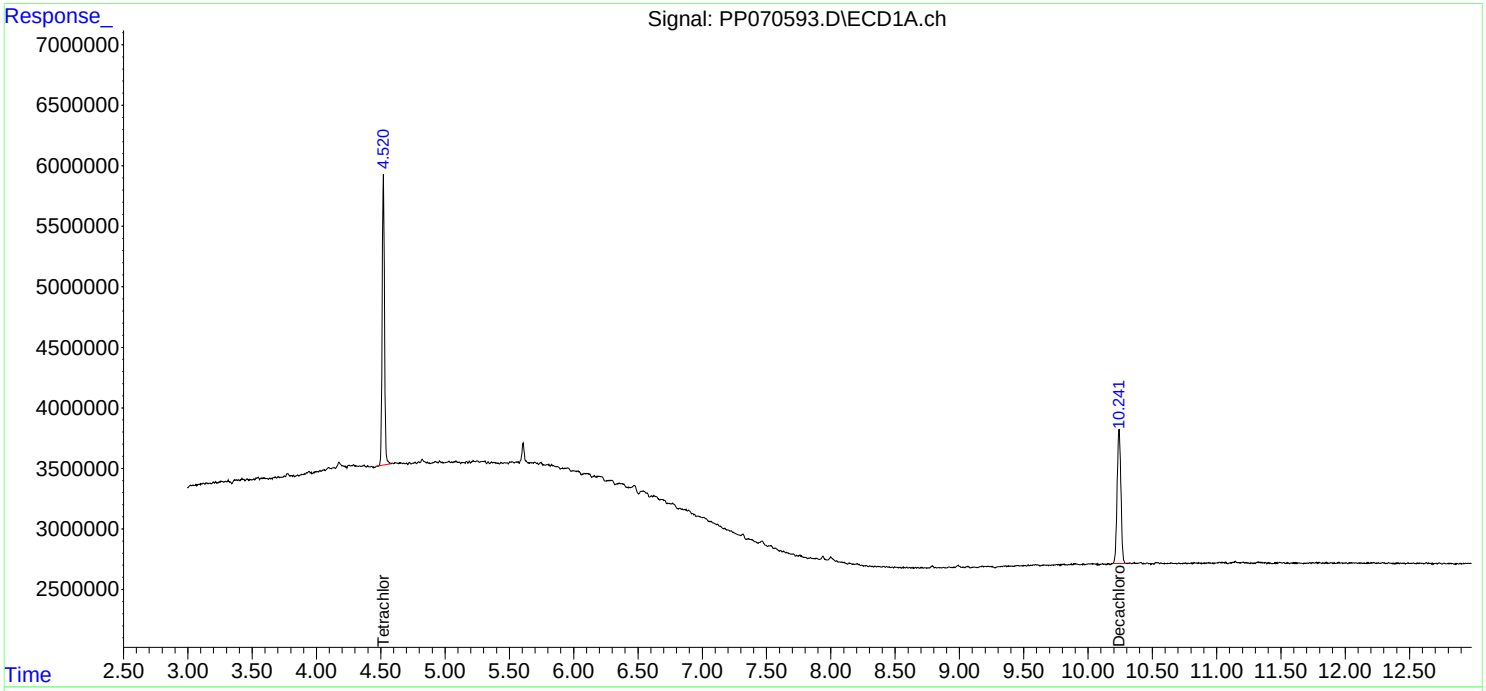
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

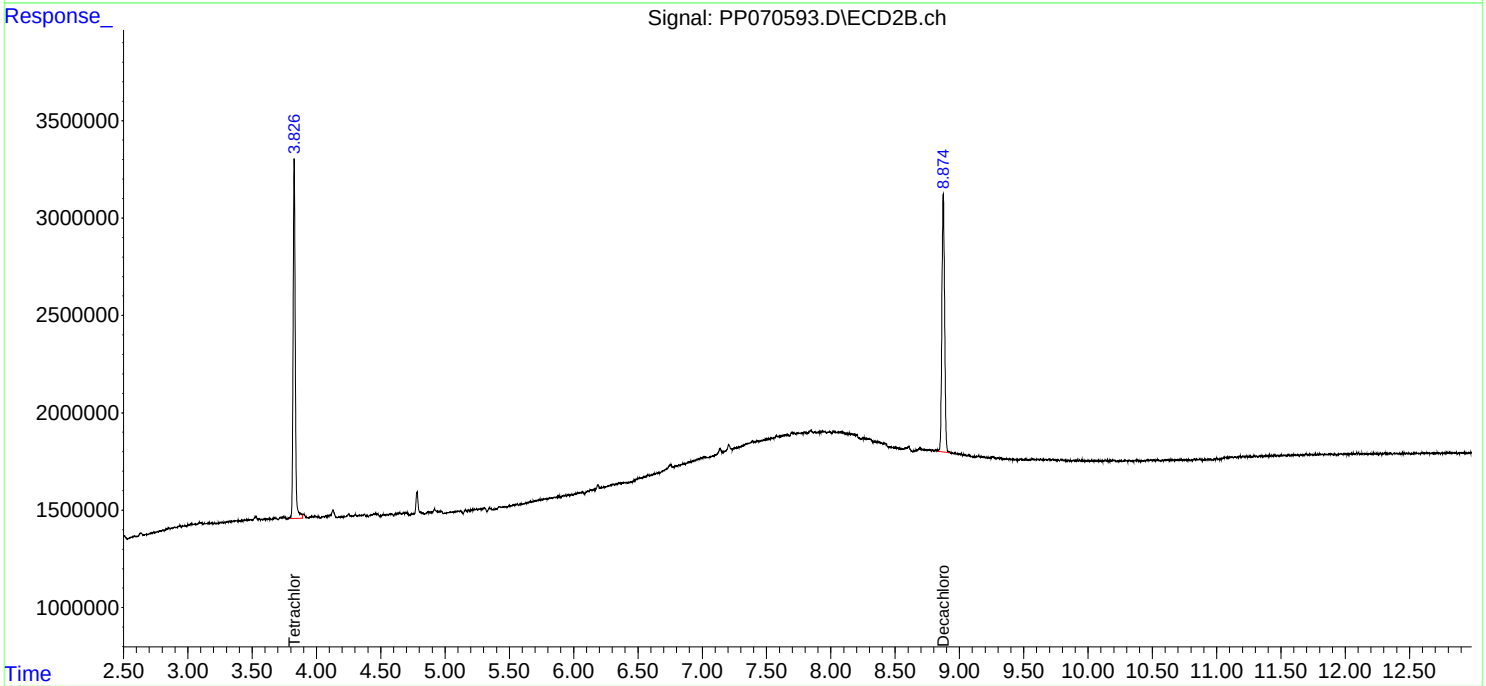
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

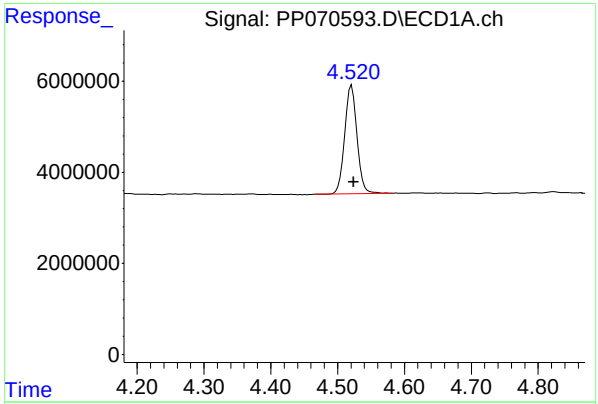
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:38:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



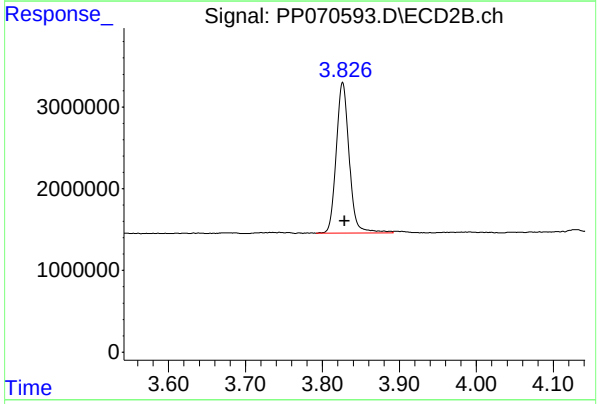






#1 Tetrachloro-m-xylene

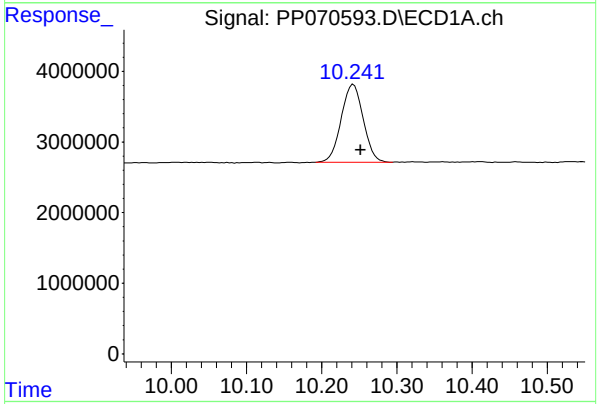
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30401287
Conc: 19.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



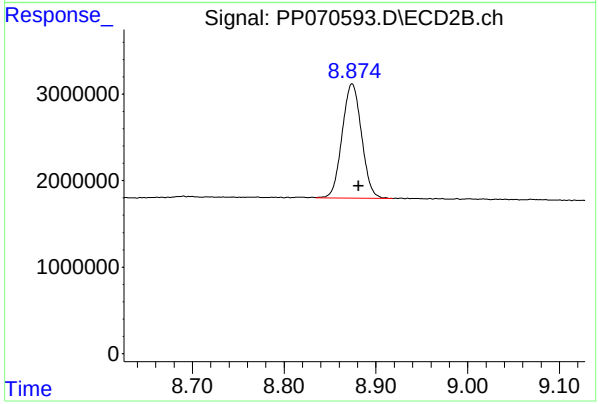

#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.002 min
Response: 21450306
Conc: 21.40 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22426495
Conc: 21.11 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.874 min
Delta R.T.: -0.007 min
Response: 19395663
Conc: 19.82 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/17/25 |
| Project: | R36884 - PCB | Date Received: | 03/17/25 |
| Client Sample ID: | PIBLK-PP070608.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070608.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070608.D | 1 | | 03/17/25 | PP031725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.7 | | 60 - 140 | 99% | 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\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
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: Mar 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.521 | 3.824 | 30695572 | 20875116 | 19.735 | 20.828 |
| 2) | SA Decachlor... | 10.243 | 8.872 | 22485155 | 19853212 | 21.166 | 20.292 |
| | Target Compounds | | | | | | |

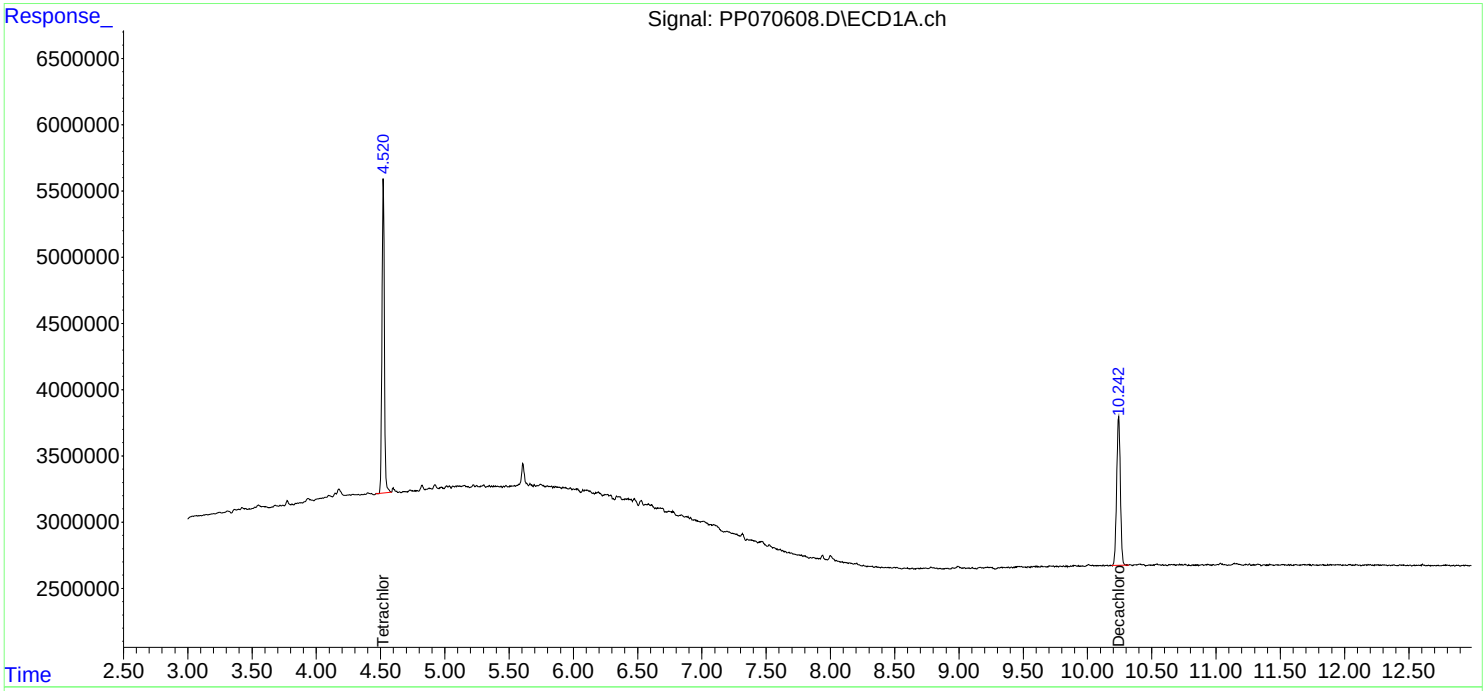
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

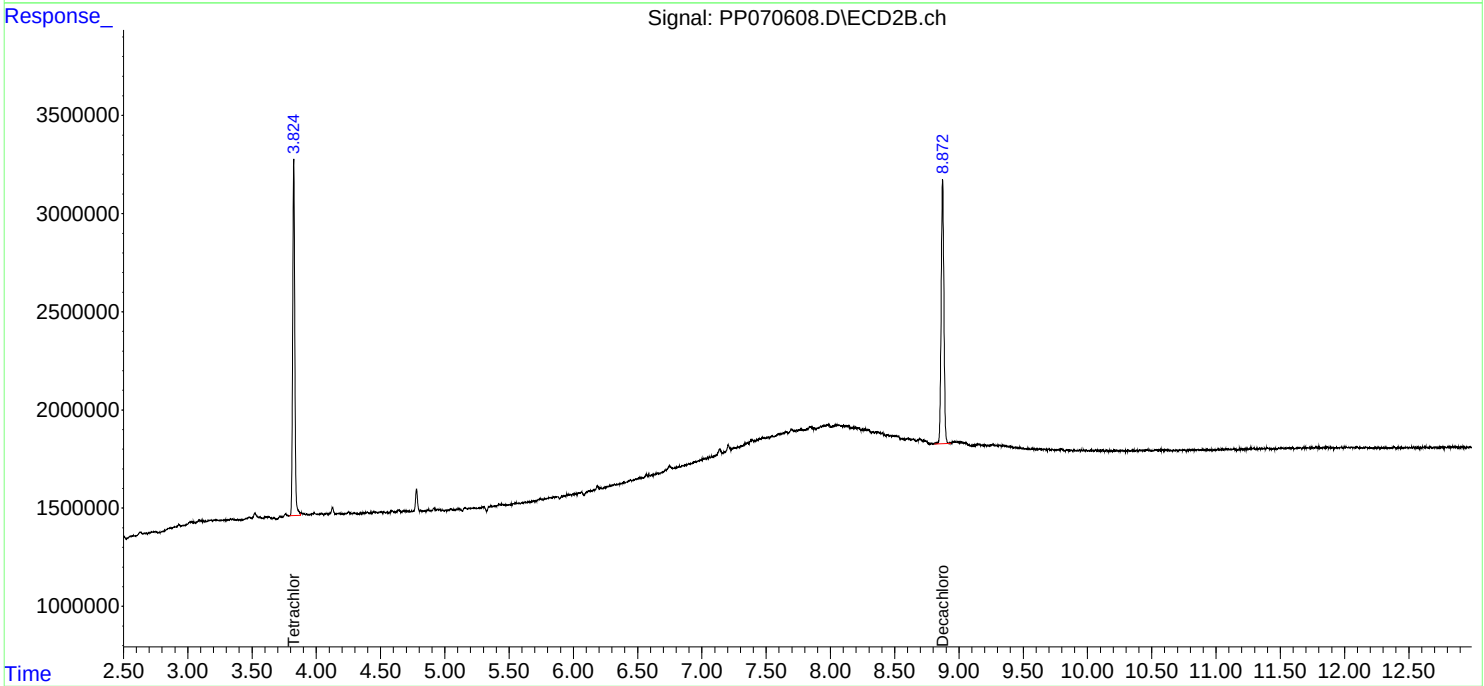
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 19:42
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

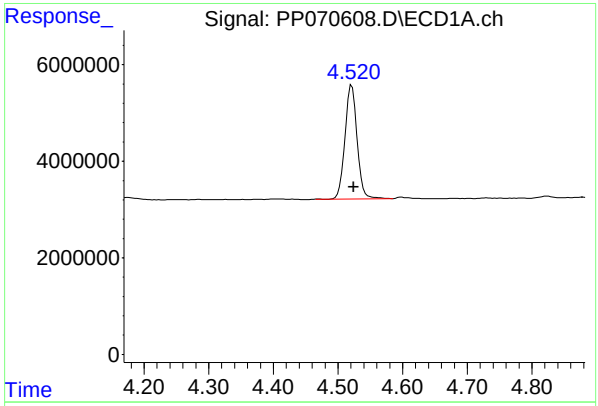
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:44:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



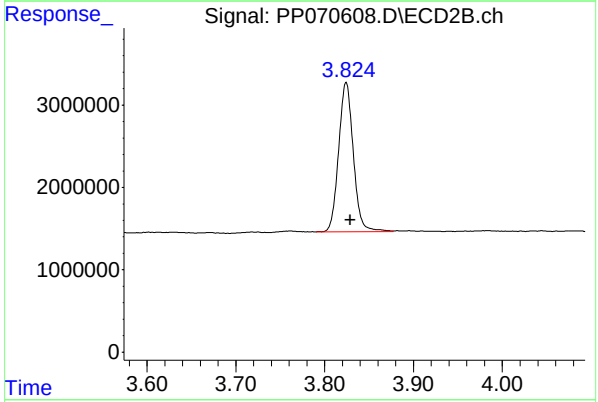






#1 Tetrachloro-m-xylene

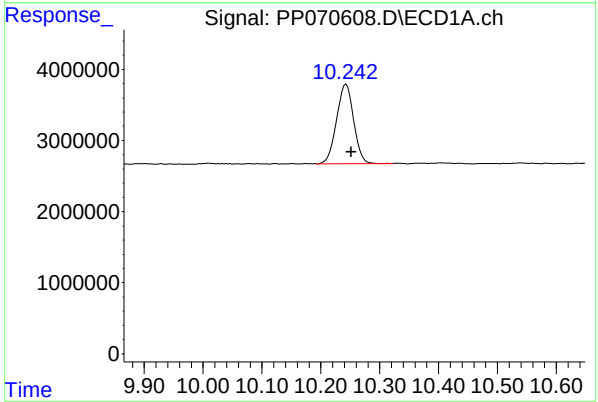
R.T.: 4.521 min
Delta R.T.: -0.003 min
Response: 30695572
Conc: 19.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



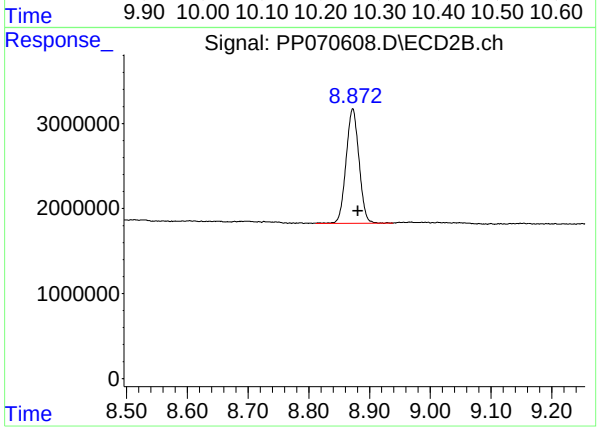

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 20875116
Conc: 20.83 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: -0.009 min
Response: 22485155
Conc: 21.17 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 19853212
Conc: 20.29 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: | Tetra Tech, EMI | Date Collected: | 03/18/25 |
| Project: | R36884 - PCB | Date Received: | 03/18/25 |
| Client Sample ID: | PIBLK-PP070623.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070623.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070623.D | 1 | | 03/18/25 | PP031725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.9 | | 60 - 140 | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.4 | | 60 - 140 | 107% | 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\PP031725\
Data File : PP070623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 00:18
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: Mar 18 01:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.518 | 3.824 | 30881813 | 21854538 | 19.855 | 21.805 |
| 2) | SA Decachlor... | 10.238 | 8.869 | 22683883 | 21294365 | 21.353 | 21.765 |
| | Target Compounds | | | | | | |

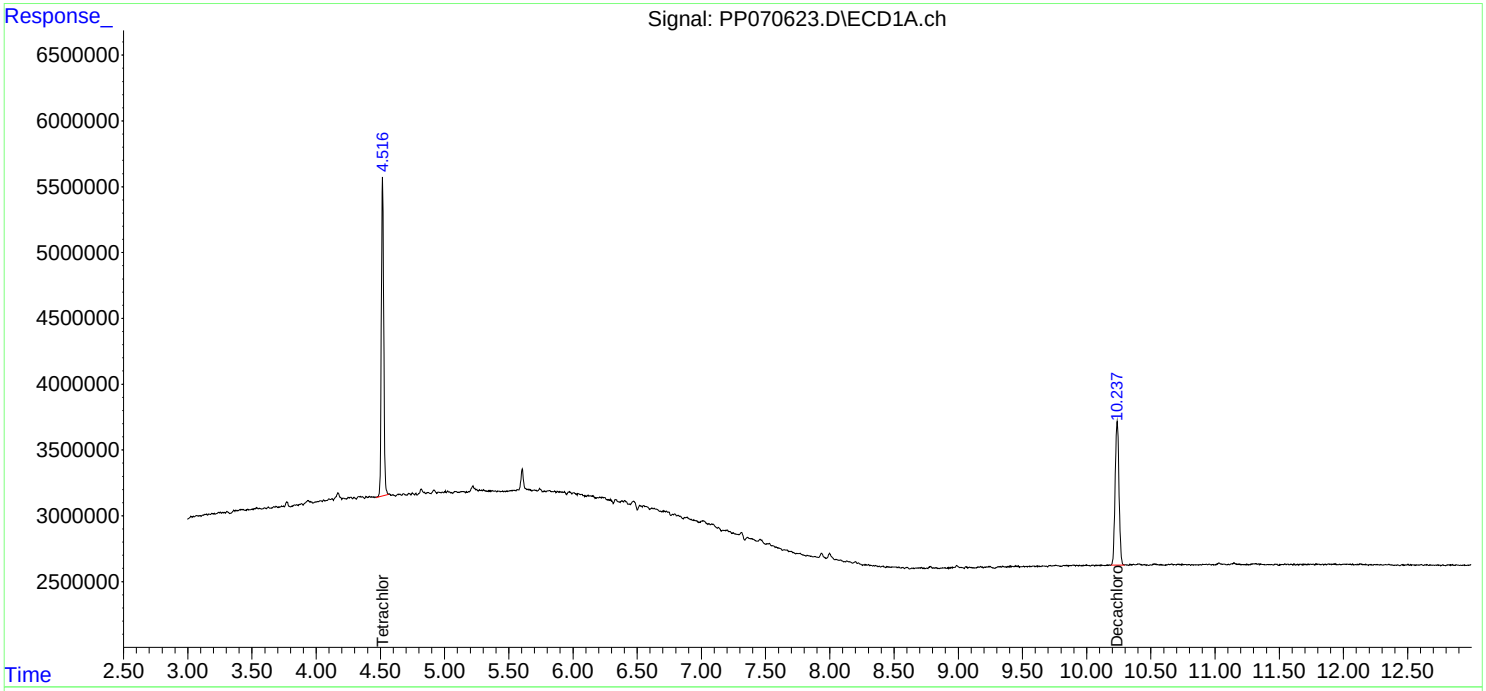
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

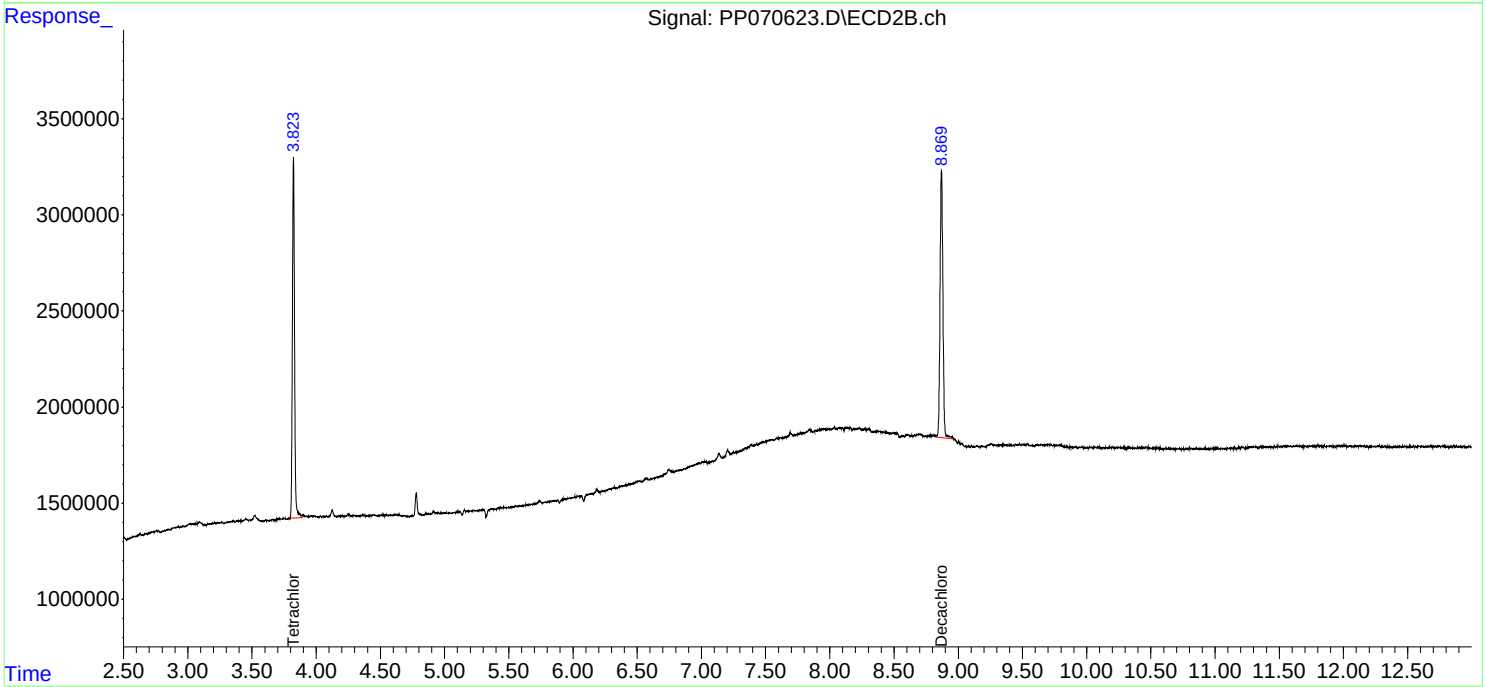
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 00:18
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

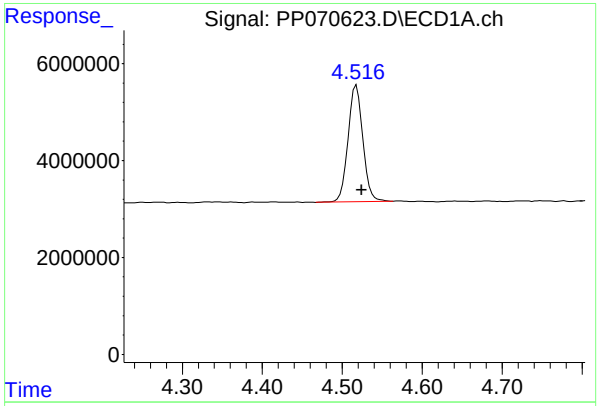
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:49:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



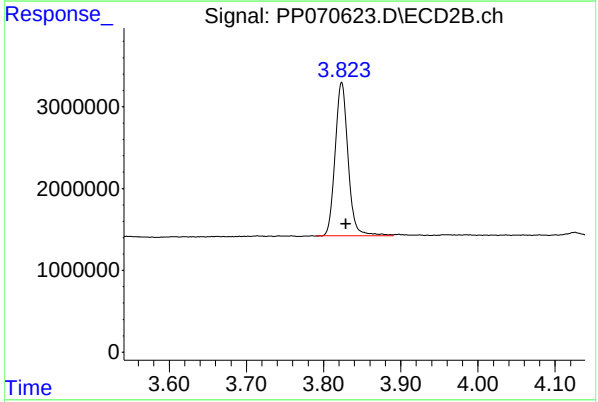






#1 Tetrachloro-m-xylene

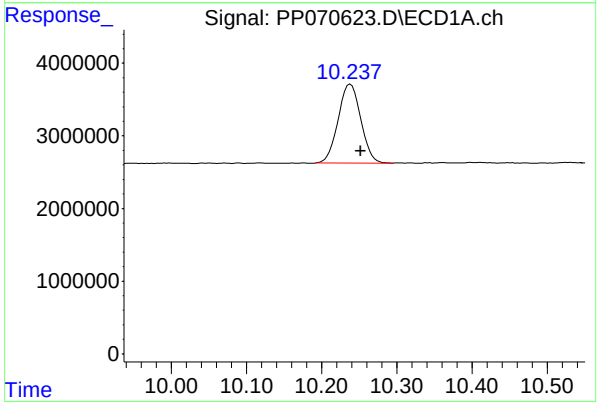
R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 30881813
Conc: 19.85 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



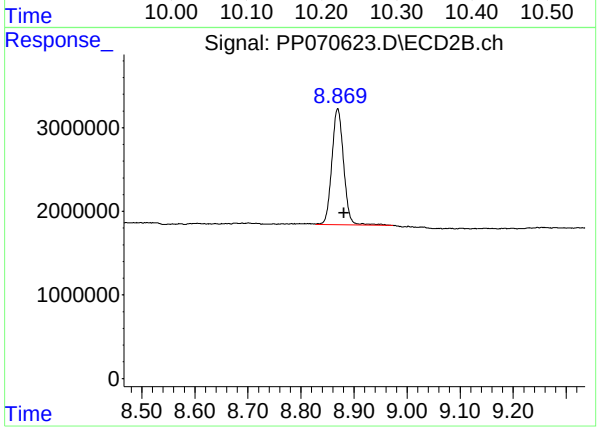

#1 Tetrachloro-m-xylene

R.T.: 3.824 min
Delta R.T.: -0.005 min
Response: 21854538
Conc: 21.80 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.013 min
Response: 22683883
Conc: 21.35 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 21294365
Conc: 21.77 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/18/25 |
| Project: | R36884 - PCB | Date Received: | 03/18/25 |
| Client Sample ID: | PIBLK-PP070636.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070636.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070636.D | 1 | | 03/18/25 | PP031725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.8 | | 60 - 140 | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.3 | | 60 - 140 | 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\PP031725\
Data File : PP070636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 04:21
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: Mar 18 06:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.520 | 3.823 | 30844164 | 20340454 | 19.831 | 20.294 |
| 2) | SA Decachlor... | 10.240 | 8.868 | 22140811 | 18865479 | 20.841 | 19.283 |
| | Target Compounds | | | | | | |

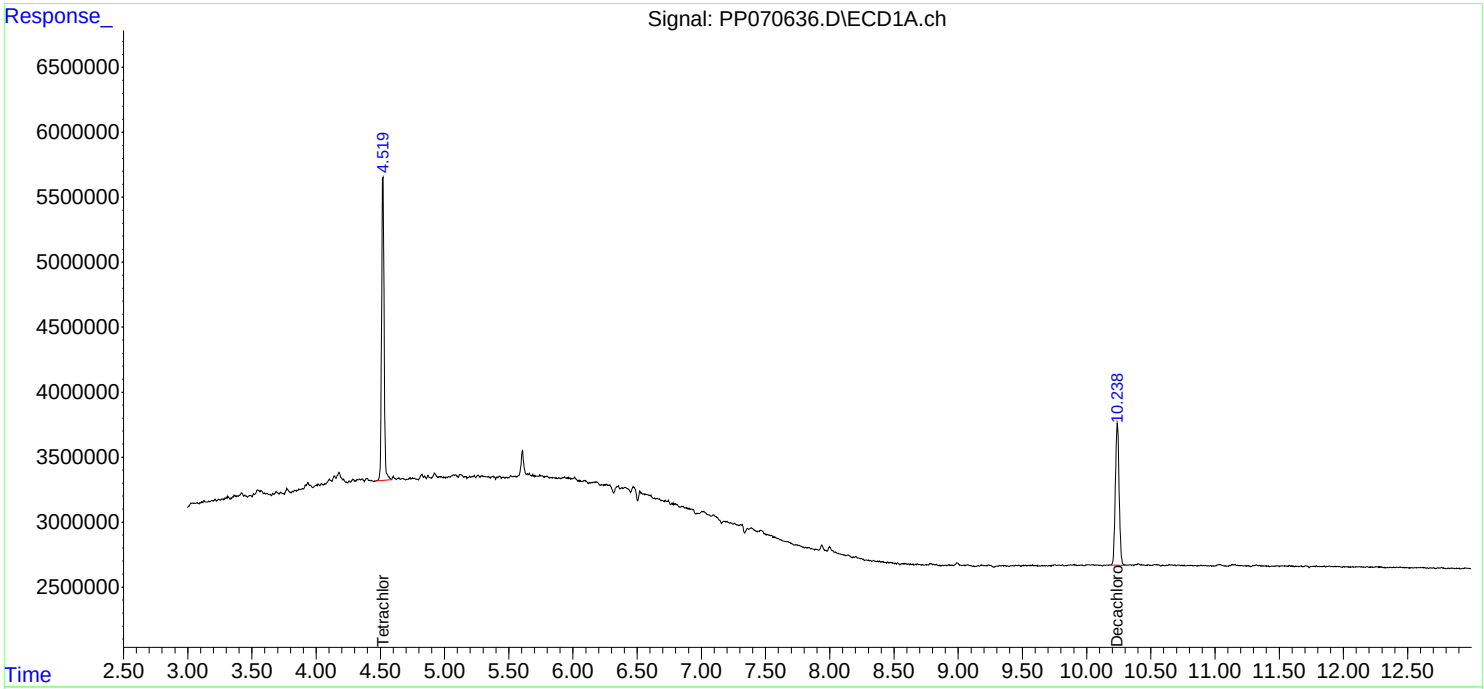
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

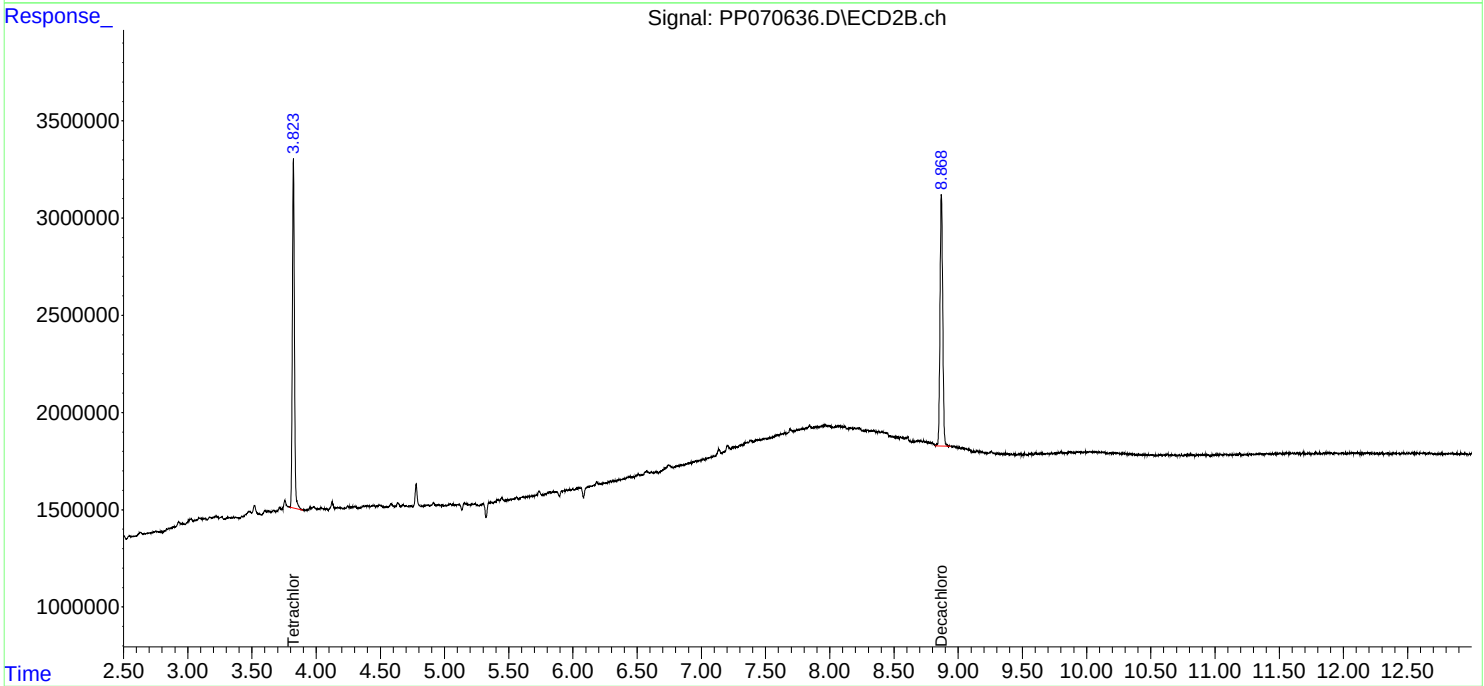
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070636.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 04:21
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

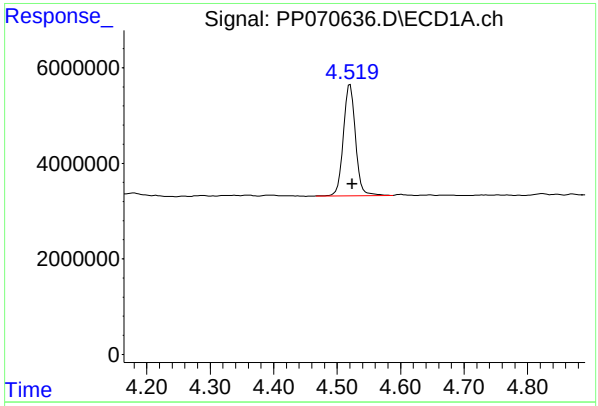
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:43:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



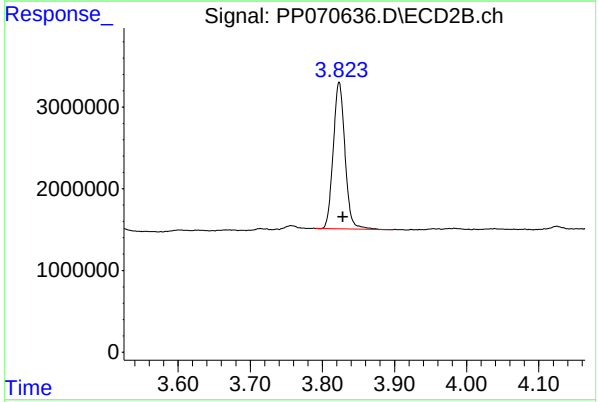






#1 Tetrachloro-m-xylene

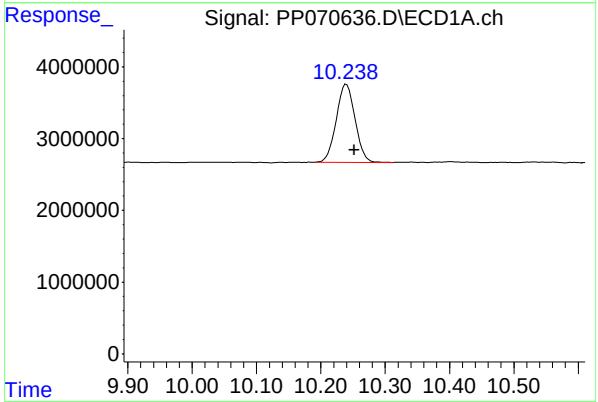
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30844164
Conc: 19.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



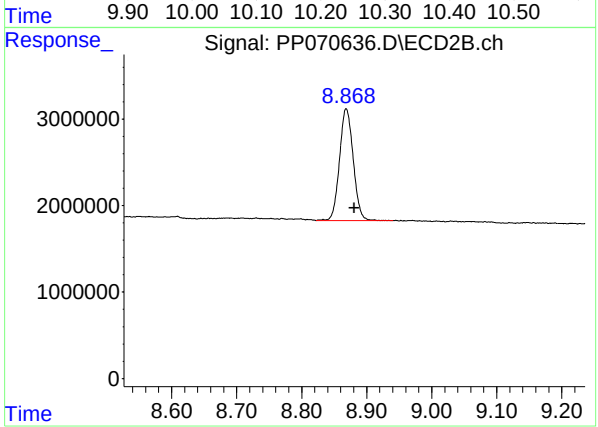

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.005 min
Response: 20340454
Conc: 20.29 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.240 min
Delta R.T.: -0.012 min
Response: 22140811
Conc: 20.84 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 18865479
Conc: 19.28 ng/ml

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/18/25 |
| Project: | R36884 - PCB | Date Received: | 03/18/25 |
| Client Sample ID: | PIBLK-PP070642.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070642.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070642.D | 1 | | 03/18/25 | PP031825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.7 | | 60 - 140 | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.2 | | 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\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
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 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.518 | 3.822 | 30694100 | 20862902 | 19.734 | 20.815 |
| 2) | SA Decachlor... | 10.237 | 8.866 | 22416005 | 19795482 | 21.101 | 20.233m |
| | Target Compounds | | | | | | |

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

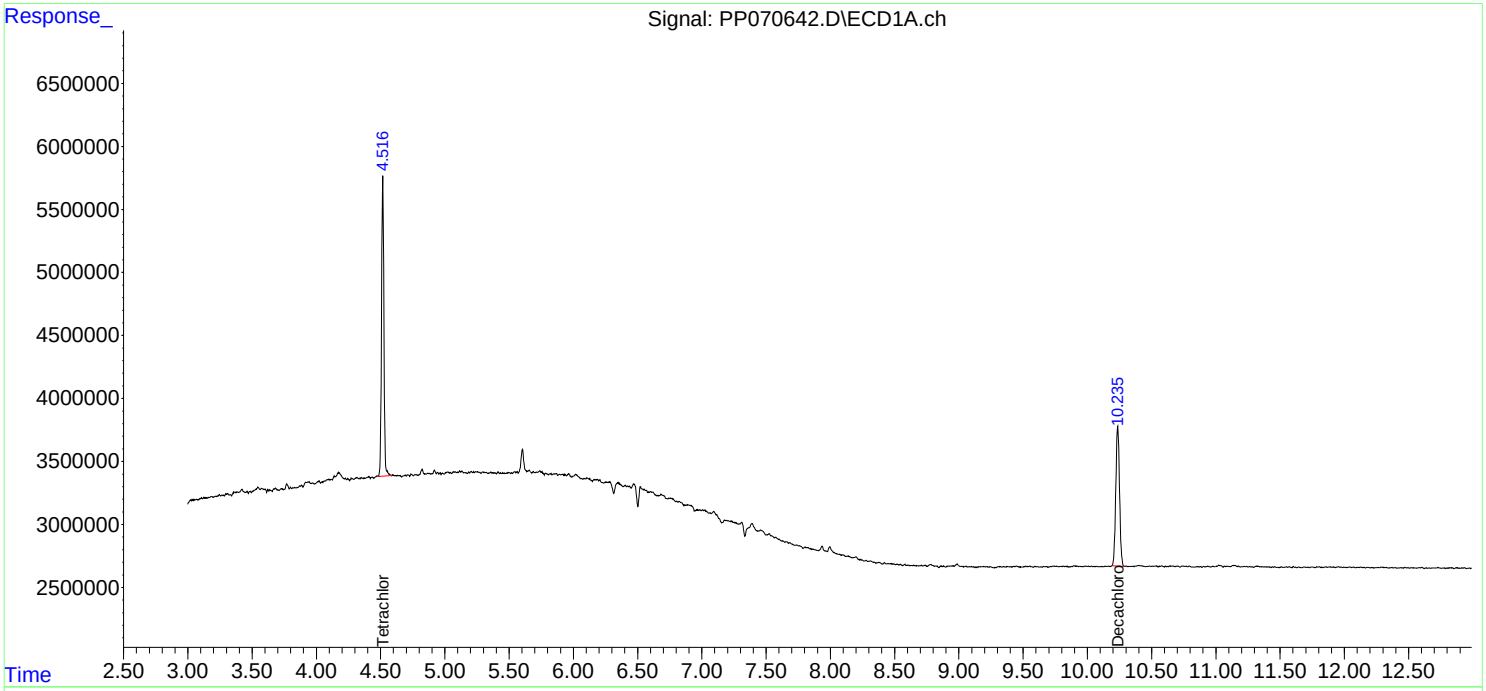
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 09:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

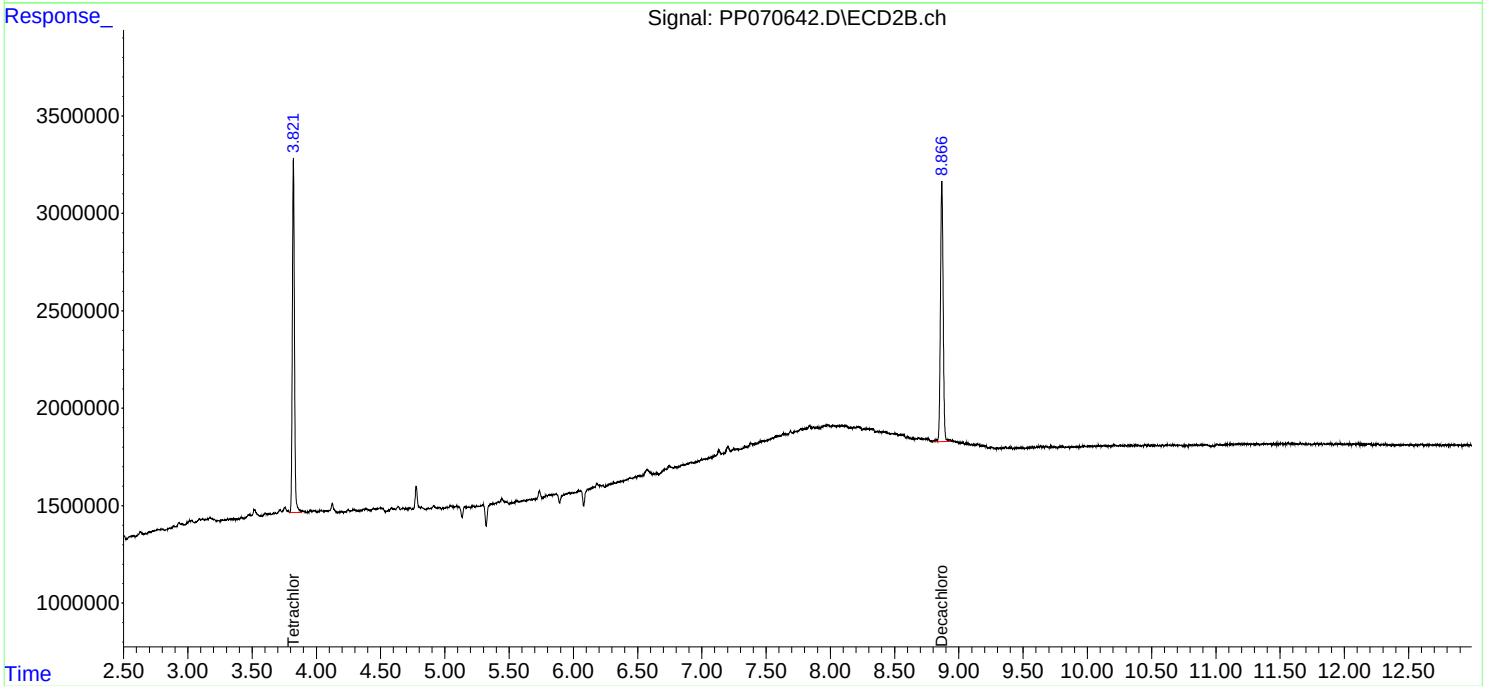
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

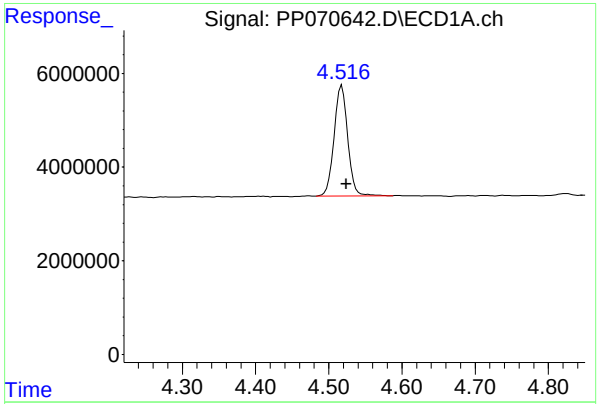
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:16:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





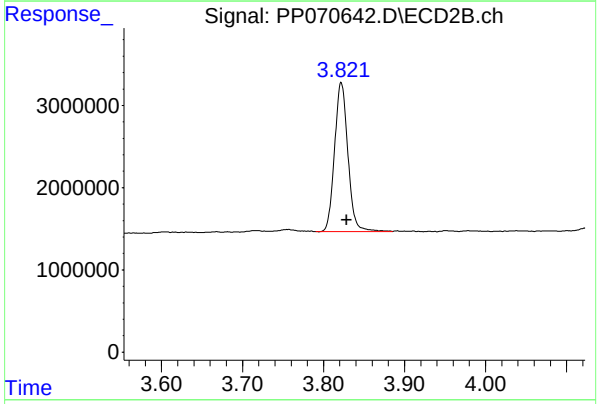

#1 Tetrachloro-m-xylene

R.T.: 4.518 min
Delta R.T.: -0.006 min
Response: 30694100
Conc: 19.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

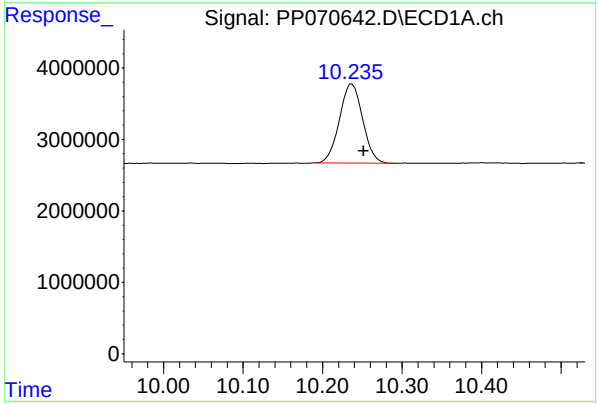
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



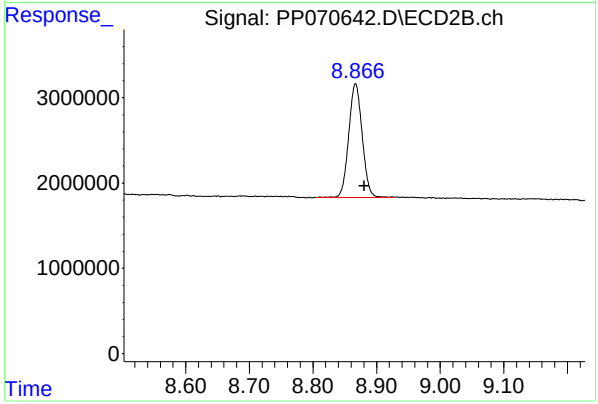

#1 Tetrachloro-m-xylene

R.T.: 3.822 min
Delta R.T.: -0.007 min
Response: 20862902
Conc: 20.82 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.237 min
Delta R.T.: -0.015 min
Response: 22416005
Conc: 21.10 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.866 min
Delta R.T.: -0.015 min
Response: 19795482
Conc: 20.23 ng/ml m

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/18/25 |
| Project: | R36884 - PCB | Date Received: | 03/18/25 |
| Client Sample ID: | PIBLK-PP070651.D | SDG No.: | Q1573 |
| Lab Sample ID: | I.BLK-PP070651.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070651.D | 1 | | 03/18/25 | PP031825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.50 | U | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.50 | U | 0.081 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.6 | | 60 - 140 | 98% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.6 | | 60 - 140 | 103% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
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: Mar 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.520 | 3.823 | 30517654 | 20605738 | 19.621 | 20.559 |
| 2) | SA Decachlor... | 10.239 | 8.868 | 22711828 | 20116072 | 21.379 | 20.561 |
| | Target Compounds | | | | | | |

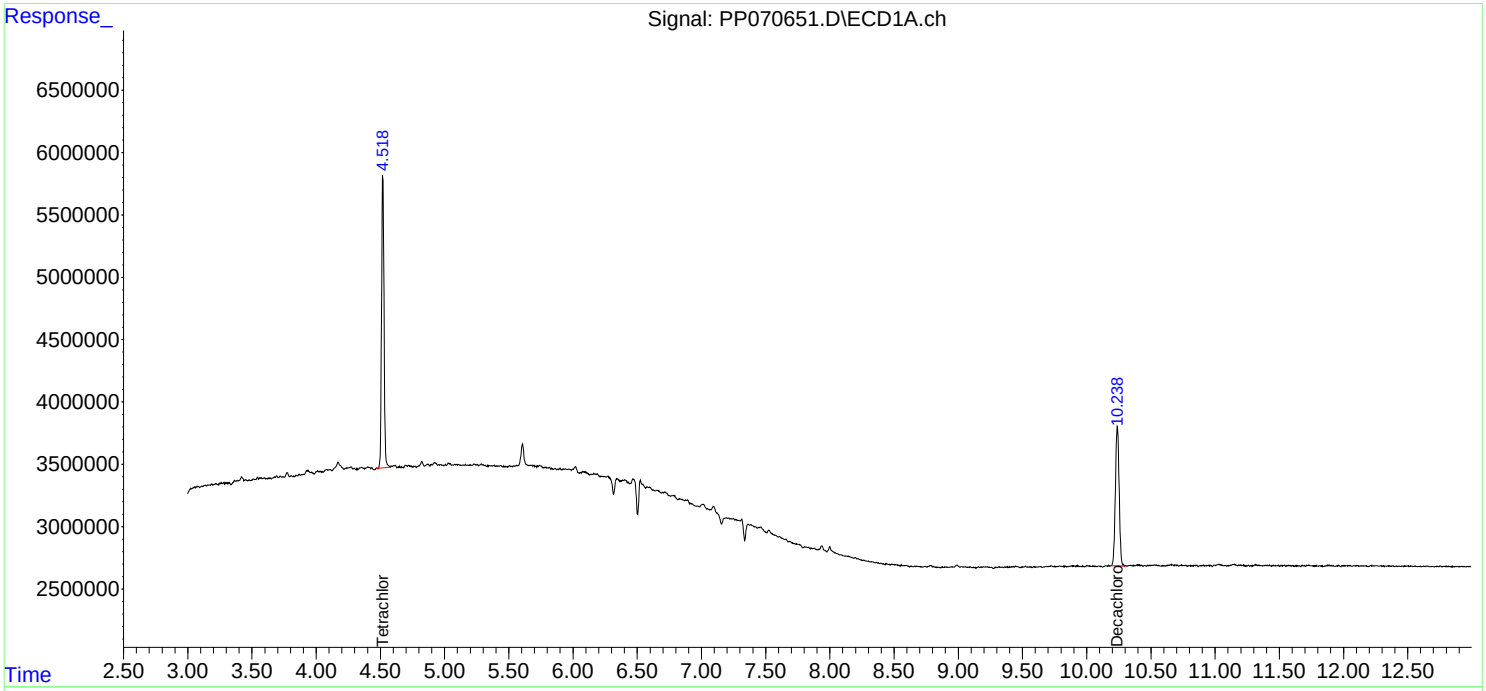
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

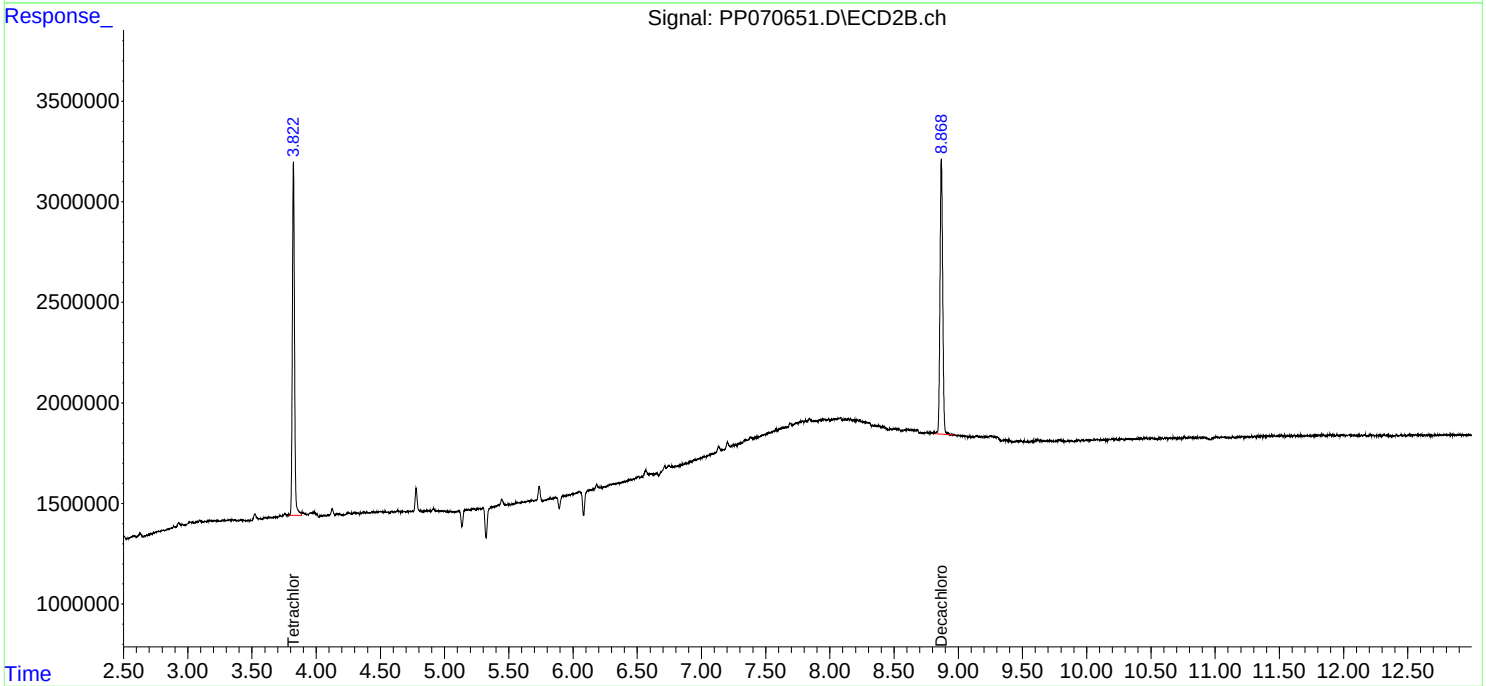
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031825\
Data File : PP070651.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 12:24
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

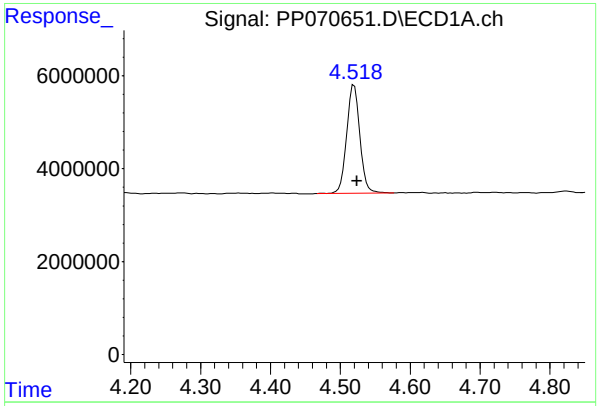
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:19:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



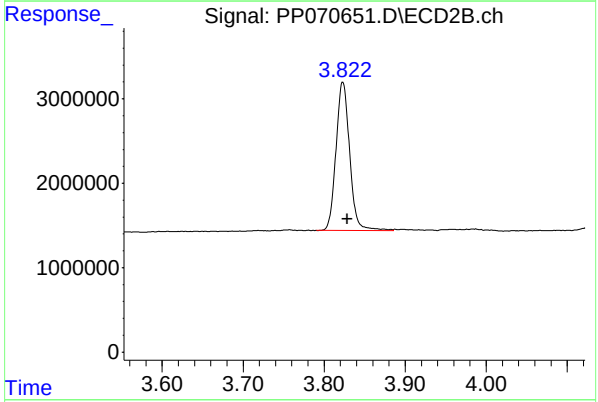






#1 Tetrachloro-m-xylene

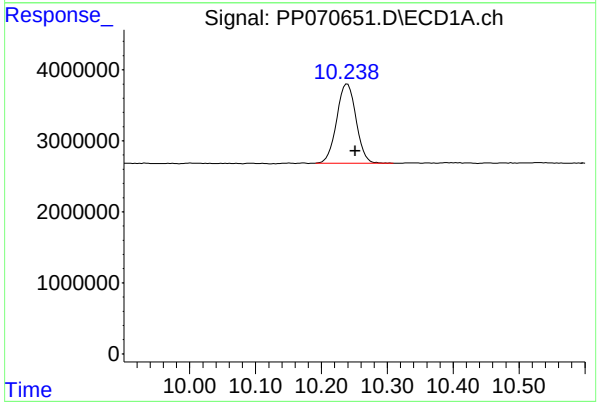
R.T.: 4.520 min
Delta R.T.: -0.004 min
Response: 30517654
Conc: 19.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



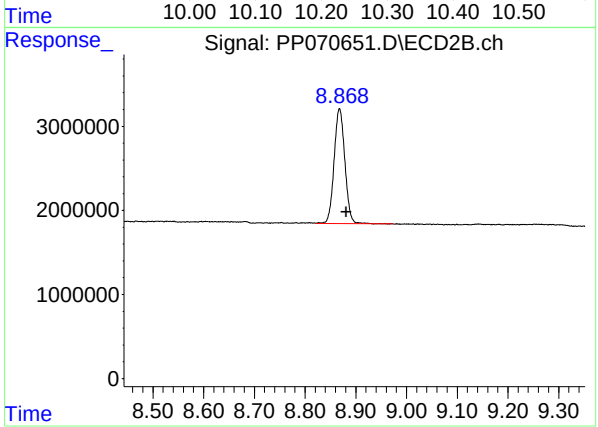

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 20605738
Conc: 20.56 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.239 min
Delta R.T.: -0.012 min
Response: 22711828
Conc: 21.38 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 20116072
Conc: 20.56 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | |
| Project: | R36884 - PCB | Date Received: | |
| Client Sample ID: | PB167154BS | SDG No.: | Q1573 |
| Lab Sample ID: | PB167154BS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 100 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070595.D | 1 | 03/17/25 08:35 | 03/17/25 15:38 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 167 | | 3.90 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 17.0 | U | 4.00 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 17.0 | U | 3.70 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 17.0 | U | 4.00 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 17.0 | U | 5.90 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 17.0 | U | 3.20 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 17.0 | U | 5.00 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 17.0 | U | 3.60 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 159 | | 3.20 | 17.0 | ug/kg |
| Total PCBs | Total PCBs | 326 | | 7.10 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.0 | | 32 - 144 | 115% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.8 | | 32 - 175 | 114% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:38
Operator : YP\AJ
Sample : PB167154BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.524 | 3.826 | 33821840 | 23096522 | 21.745 | 23.044 |
| 2) | SA Decachlor... | 10.245 | 8.872 | 24224282 | 20867008 | 22.803 | 21.329 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.676 | 4.912 | 24231245 | 18175994 | 467.323 | 505.555 |
| 4) | L1 AR-1016-2 | 5.698 | 4.931 | 36161083 | 26060056 | 505.432 | 501.476 |
| 5) | L1 AR-1016-3 | 5.760 | 5.108 | 21793618 | 14412012 | 478.582 | 506.513 |
| 6) | L1 AR-1016-4 | 5.857 | 5.150 | 18358793 | 11373330 | 470.283 | 507.967 |
| 7) | L1 AR-1016-5 | 6.150 | 5.365 | 16097415 | 14468581 | 464.947 | 486.848 |
| 31) | L7 AR-1260-1 | 7.269 | 6.401 | 31062244 | 25158885 | 528.825 | 505.357 |
| 32) | L7 AR-1260-2 | 7.522 | 6.589 | 42552583 | 32618783 | 518.662 | 493.570 |
| 33) | L7 AR-1260-3 | 7.881 | 6.743 | 28734101 | 28188181 | 436.970 | 492.823 |
| 34) | L7 AR-1260-4 | 8.105 | 7.214 | 29525904 | 21217315 | 451.862 | 414.696 |
| 35) | L7 AR-1260-5 | 8.425 | 7.456 | 60888238 | 53655907 | 445.488 | 416.631 |

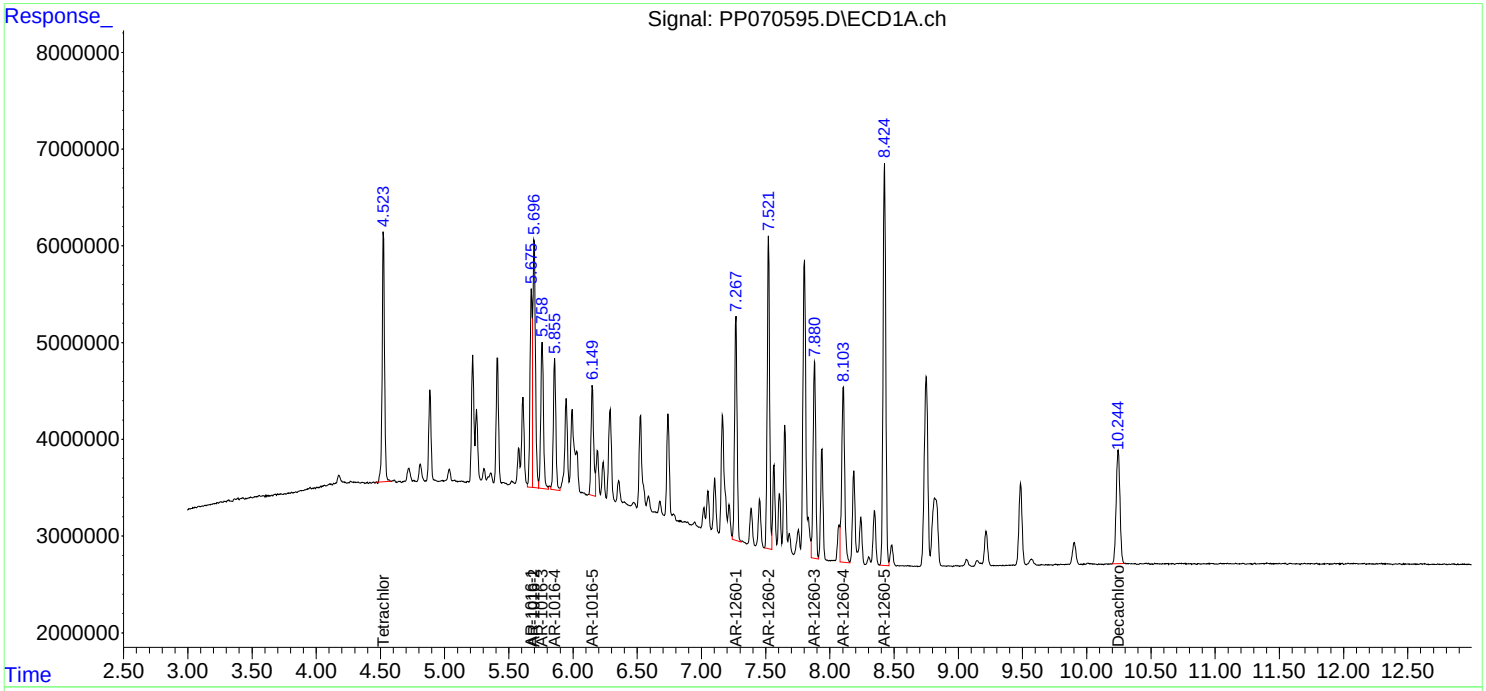
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

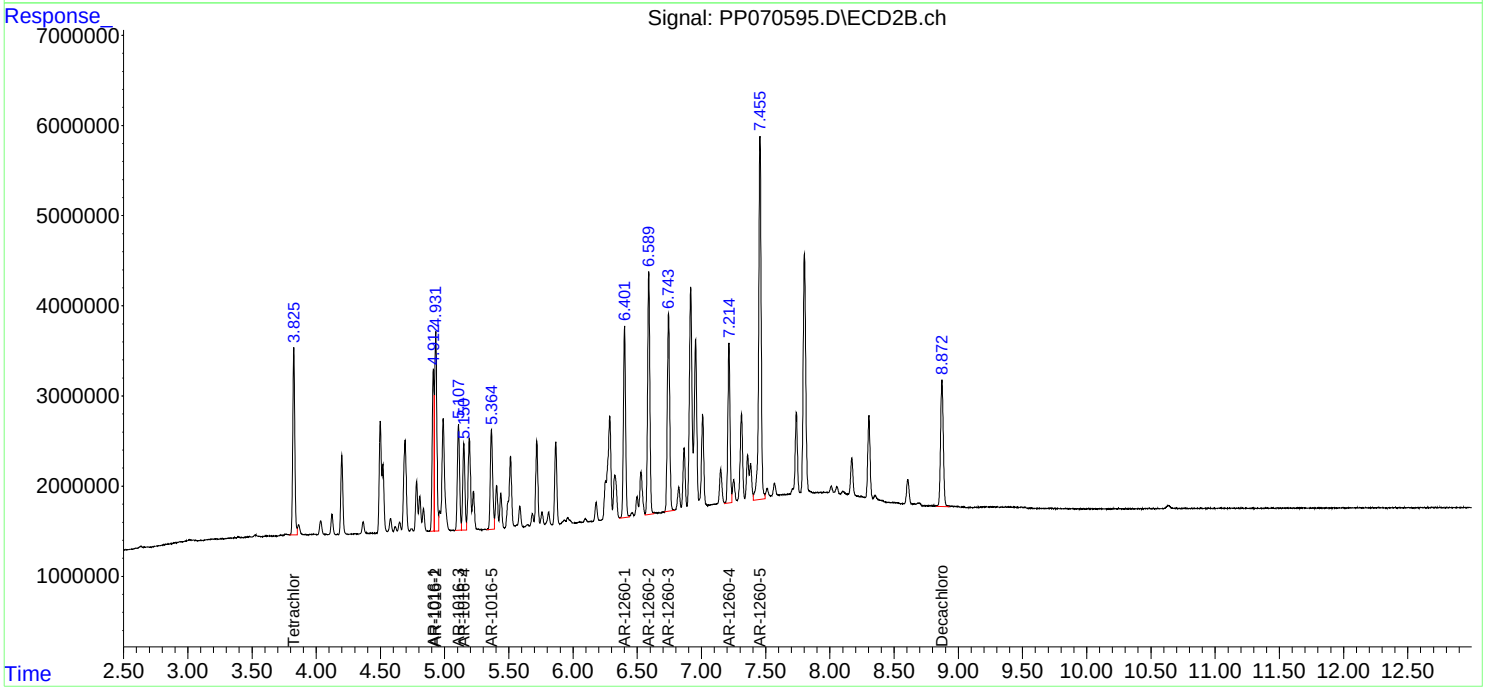
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 15:38
Operator : YP\AJ
Sample : PB167154BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

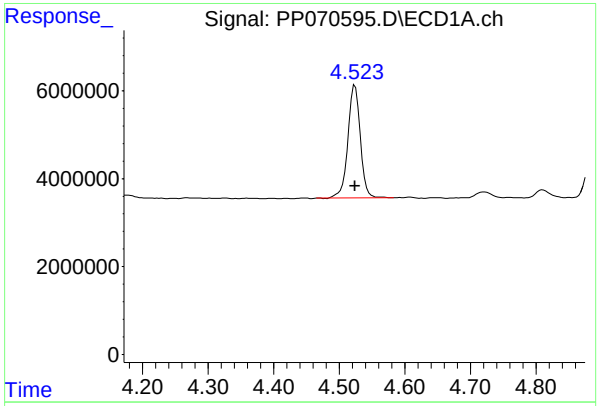
**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



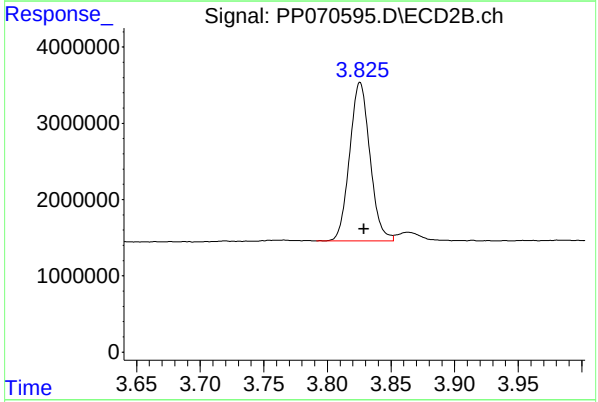






#1 Tetrachloro-m-xylene

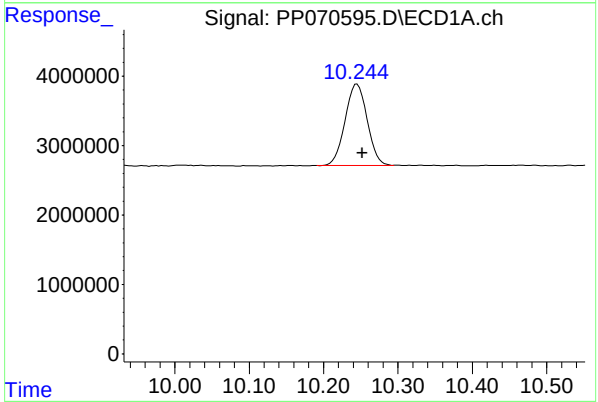
R.T.: 4.524 min
Delta R.T.: 0.000 min
Response: 33821840
Conc: 21.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



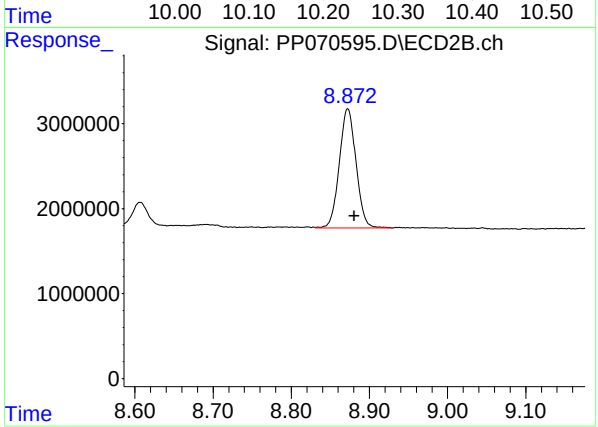

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 23096522
Conc: 23.04 ng/ml



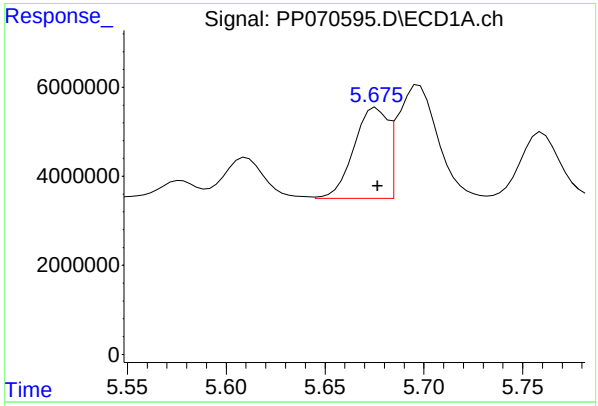

#2 Decachlorobiphenyl

R.T.: 10.245 min
Delta R.T.: -0.007 min
Response: 24224282
Conc: 22.80 ng/ml




#2 Decachlorobiphenyl

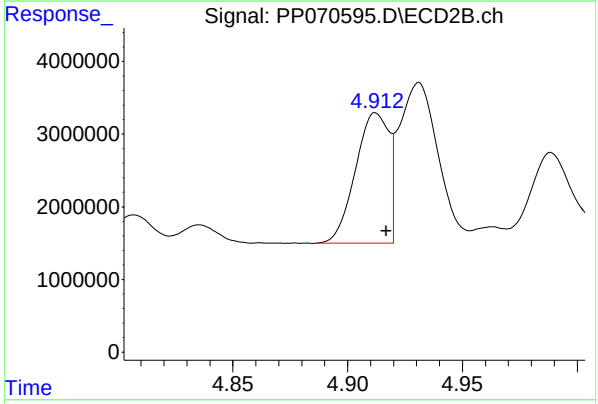
R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 20867008
Conc: 21.33 ng/ml




#3 AR-1016-1

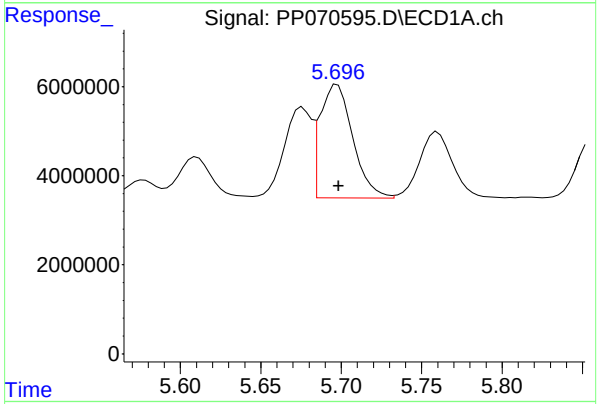
R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 24231245
Conc: 467.32 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



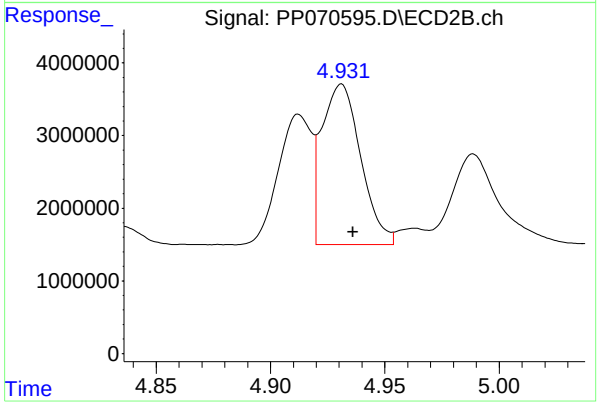

#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 18175994
Conc: 505.56 ng/ml



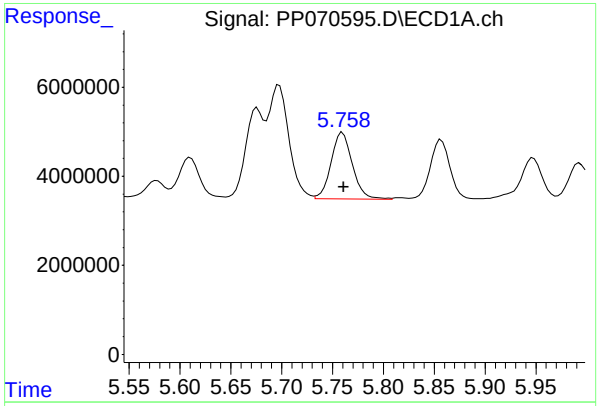

#4 AR-1016-2

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 36161083
Conc: 505.43 ng/ml




#4 AR-1016-2

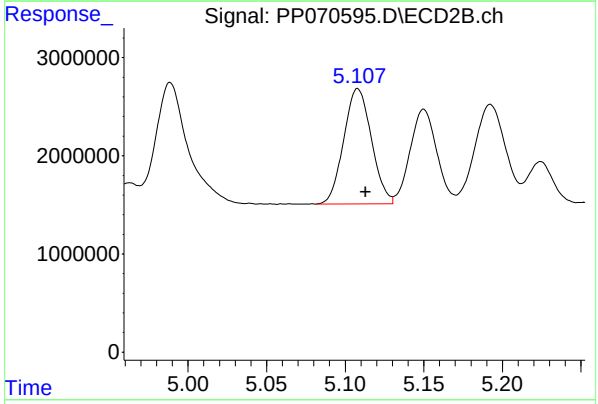
R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 26060056
Conc: 501.48 ng/ml




#5 AR-1016-3

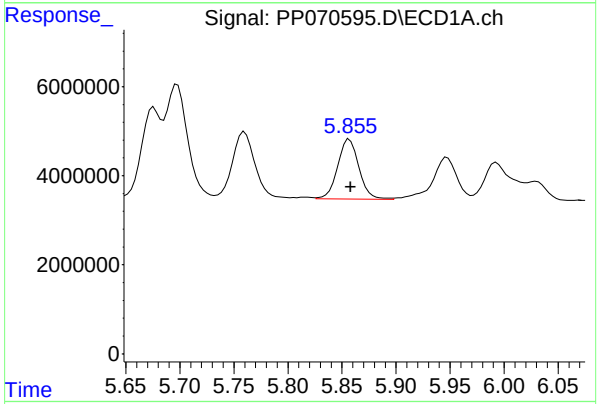
R.T.: 5.760 min
Delta R.T.: -0.001 min
Response: 21793618
Conc: 478.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



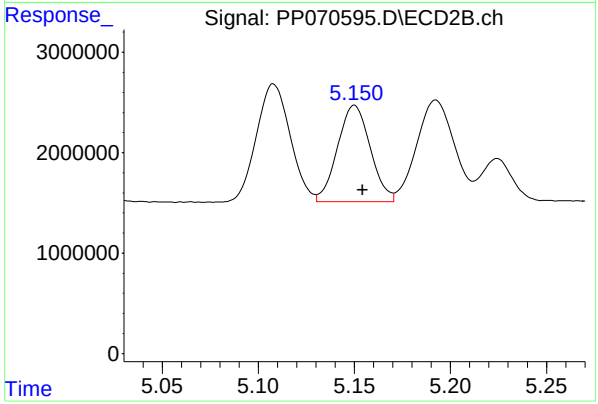

#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 14412012
Conc: 506.51 ng/ml



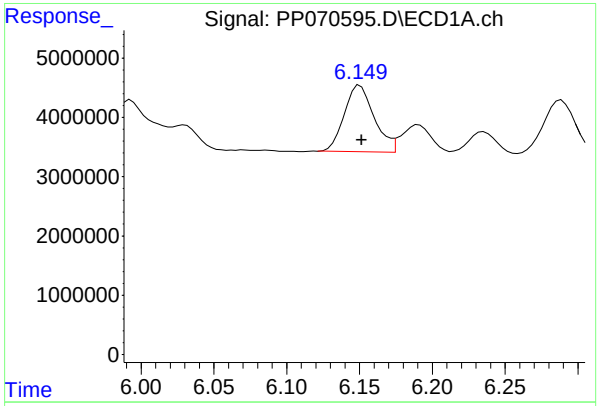

#6 AR-1016-4

R.T.: 5.857 min
Delta R.T.: -0.001 min
Response: 18358793
Conc: 470.28 ng/ml




#6 AR-1016-4

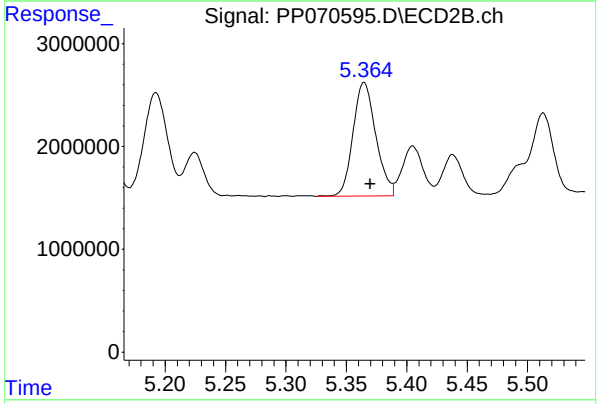
R.T.: 5.150 min
Delta R.T.: -0.004 min
Response: 11373330
Conc: 507.97 ng/ml




#7 AR-1016-5

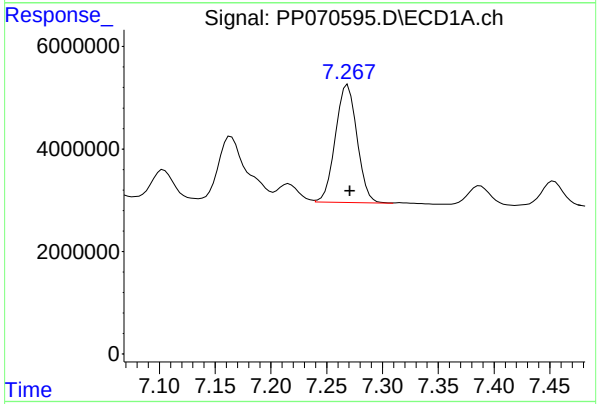
R.T.: 6.150 min
Delta R.T.: -0.001 min
Response: 16097415
Conc: 464.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



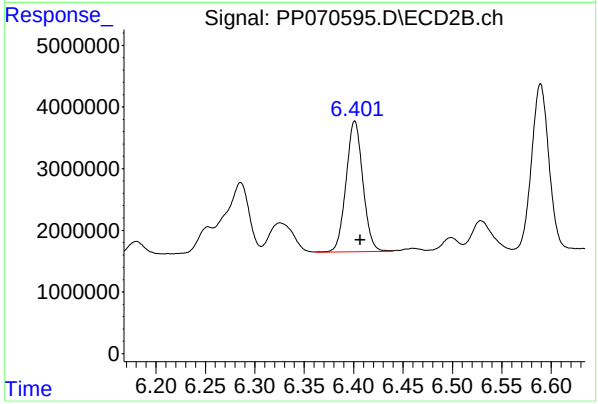

#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 14468581
Conc: 486.85 ng/ml



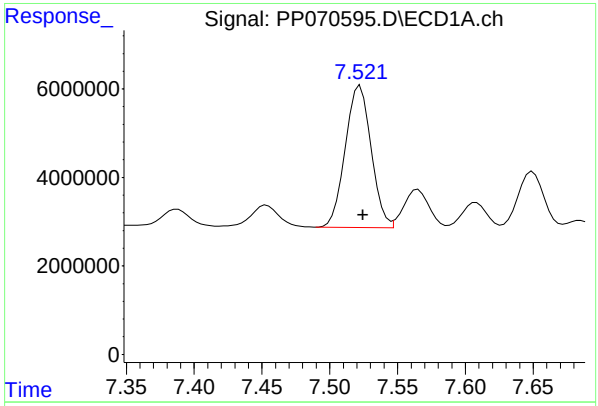

#31 AR-1260-1

R.T.: 7.269 min
Delta R.T.: -0.002 min
Response: 31062244
Conc: 528.83 ng/ml




#31 AR-1260-1

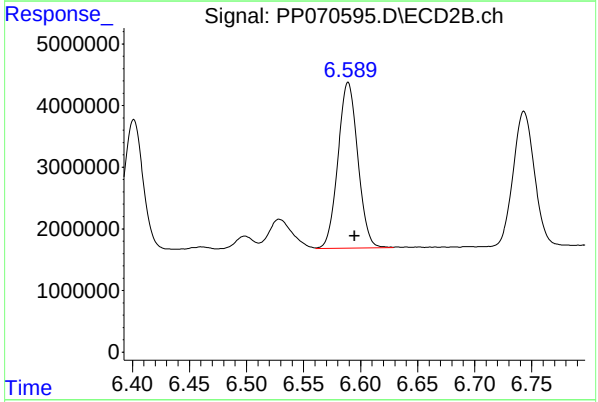
R.T.: 6.401 min
Delta R.T.: -0.006 min
Response: 25158885
Conc: 505.36 ng/ml




#32 AR-1260-2

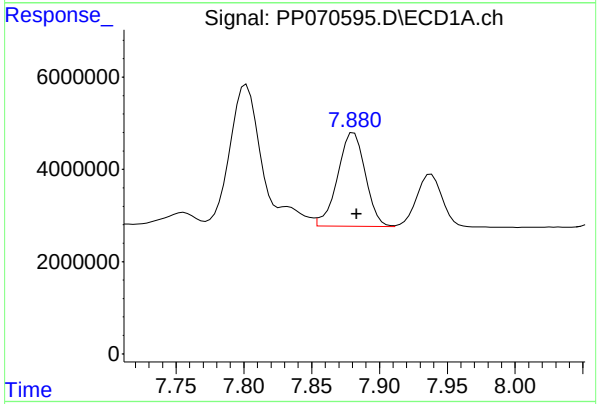
R.T.: 7.522 min
Delta R.T.: -0.002 mi
Response: 42552583
Conc: 518.66 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



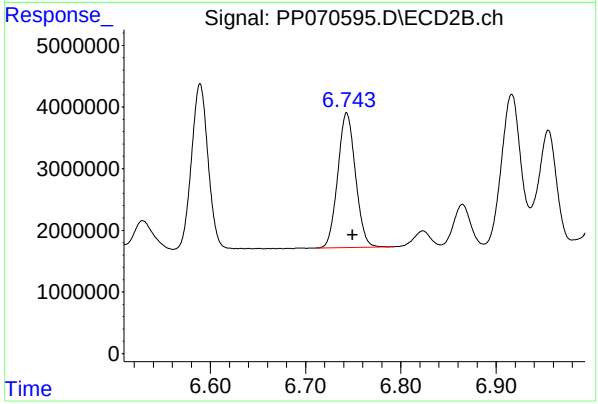

#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 32618783
Conc: 493.57 ng/ml



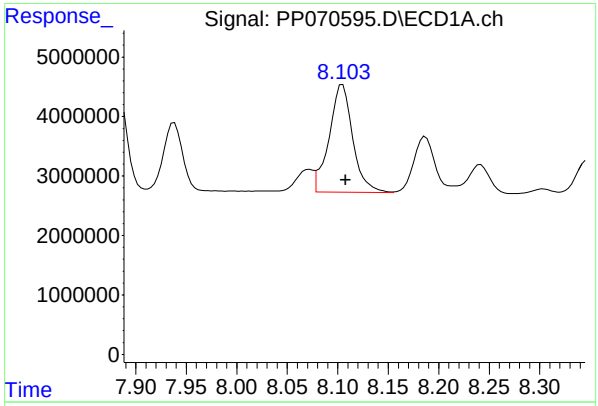

#33 AR-1260-3

R.T.: 7.881 min
Delta R.T.: -0.002 min
Response: 28734101
Conc: 436.97 ng/ml




#33 AR-1260-3

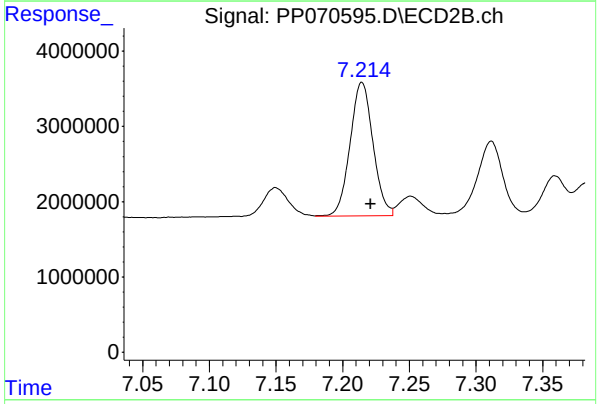
R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 28188181
Conc: 492.82 ng/ml




#34 AR-1260-4

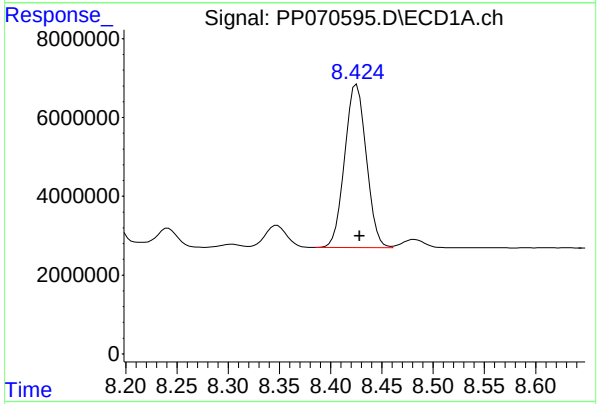
R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 29525904
Conc: 451.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167154BS



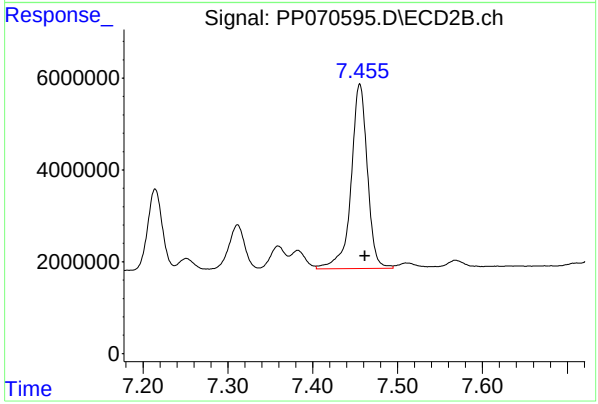

#34 AR-1260-4

R.T.: 7.214 min
Delta R.T.: -0.007 min
Response: 21217315
Conc: 414.70 ng/ml




#35 AR-1260-5

R.T.: 8.425 min
Delta R.T.: -0.003 min
Response: 60888238
Conc: 445.49 ng/ml




#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 53655907
Conc: 416.63 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | |
| Project: | R36884 - PCB | Date Received: | |
| Client Sample ID: | PB167172BS | SDG No.: | Q1573 |
| Lab Sample ID: | PB167172BS | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070627.D | 1 | 03/17/25 09:35 | 03/18/25 01:23 | PB167172 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.50 | | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 4.20 | | 0.081 | 0.50 | ug/L |
| Total PCBs | Total PCBs | 8.80 | | 0.18 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.0 | | 16 - 158 | 110% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.1 | | 10 - 173 | 105% | 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\PP031725\
Data File : PP070627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:23
Operator : YP\AJ
Sample : PB167172BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.522 | 3.823 | 32870051 | 22016223 | 21.133 | 21.966 |
| 2) | SA Decachlor... | 10.242 | 8.869 | 22398343 | 18912488 | 21.084 | 19.331 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.674 | 4.909 | 22027079 | 16439591 | 424.813 | 457.258 |
| 4) | L1 AR-1016-2 | 5.695 | 4.928 | 32651520 | 23189667 | 456.378 | 446.241 |
| 5) | L1 AR-1016-3 | 5.758 | 5.106 | 19847390 | 13054204 | 435.843 | 458.792 |
| 6) | L1 AR-1016-4 | 5.855 | 5.147 | 16984329 | 10329276 | 435.074 | 461.336 |
| 7) | L1 AR-1016-5 | 6.148 | 5.362 | 14866342 | 13261893 | 429.390 | 446.245 |
| 31) | L7 AR-1260-1 | 7.267 | 6.398 | 27250532 | 22419165 | 463.932 | 450.325 |
| 32) | L7 AR-1260-2 | 7.520 | 6.586 | 37713113 | 28734061 | 459.675 | 434.788 |
| 33) | L7 AR-1260-3 | 7.879 | 6.740 | 25394547 | 24440448 | 386.184 | 427.300 |
| 34) | L7 AR-1260-4 | 8.103 | 7.212 | 26166823 | 18113956 | 400.455 | 354.040 |
| 35) | L7 AR-1260-5 | 8.423 | 7.453 | 55112285 | 46539540 | 403.228 | 361.373 |

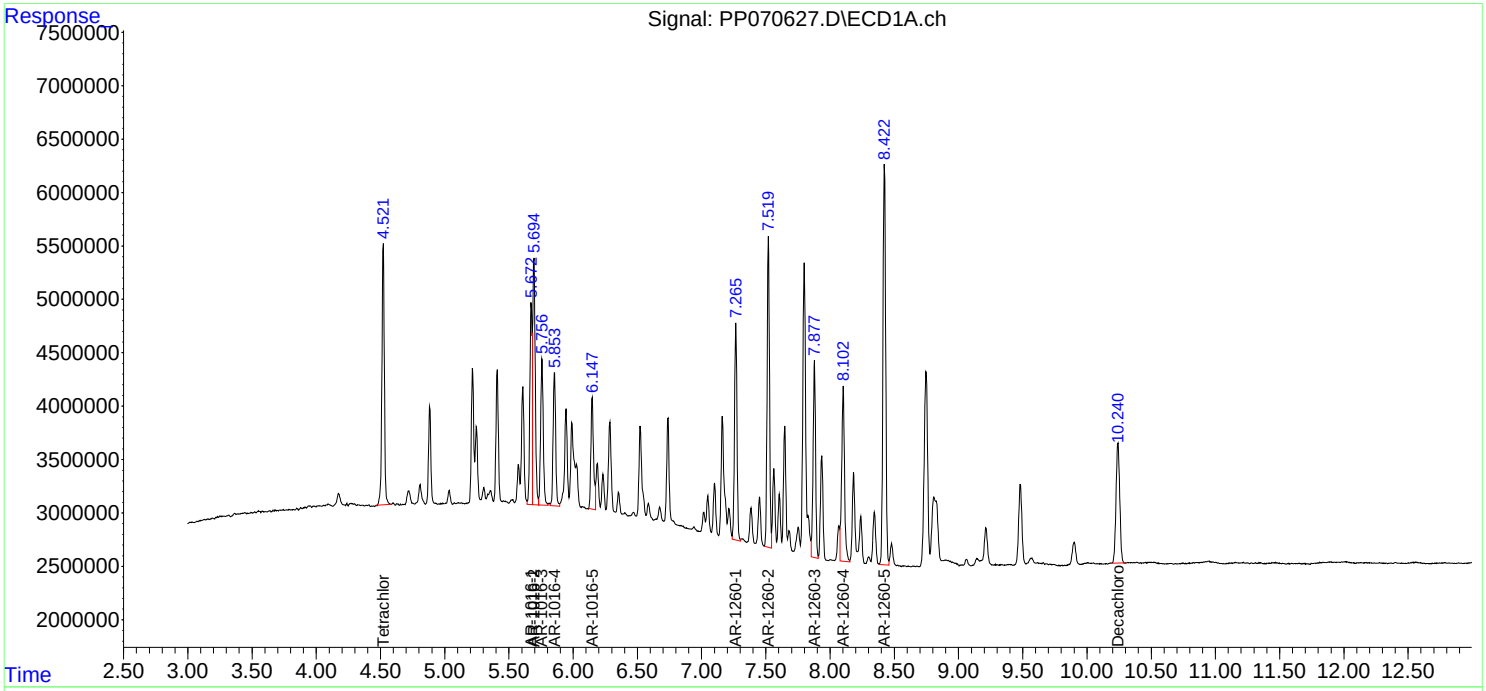
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

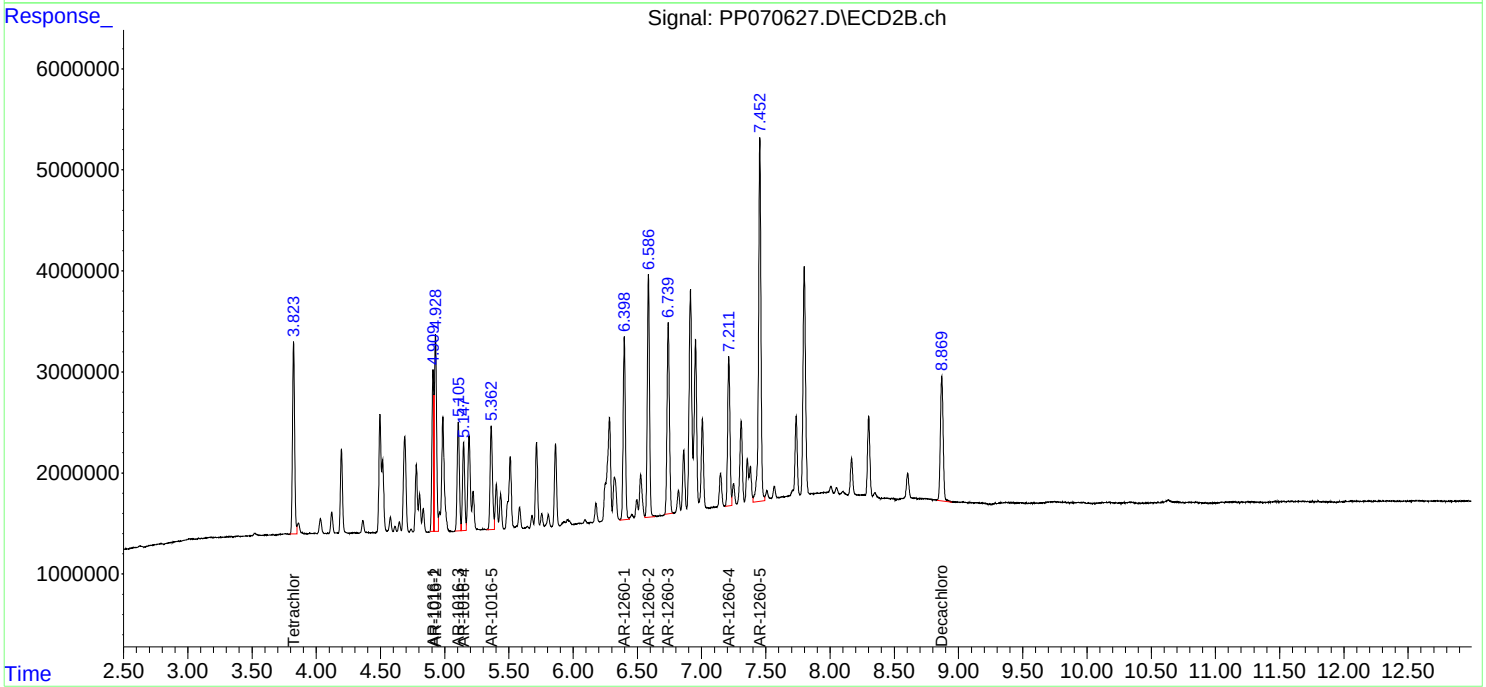
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:23
Operator : YP\AJ
Sample : PB167172BS
Misc :
ALS Vial : 40 Sample Multiplier: 1

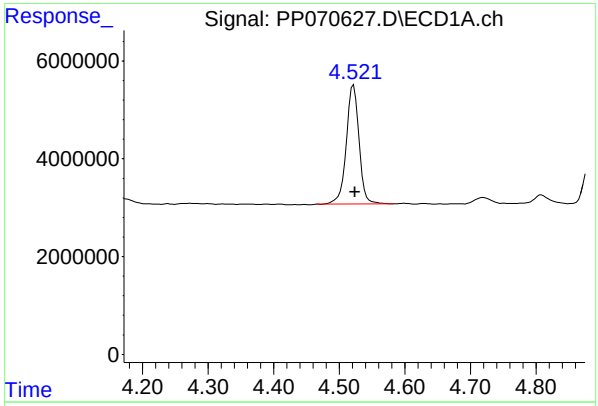
**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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



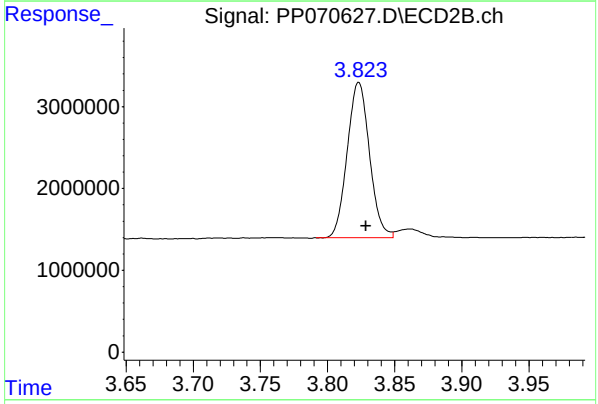






#1 Tetrachloro-m-xylene

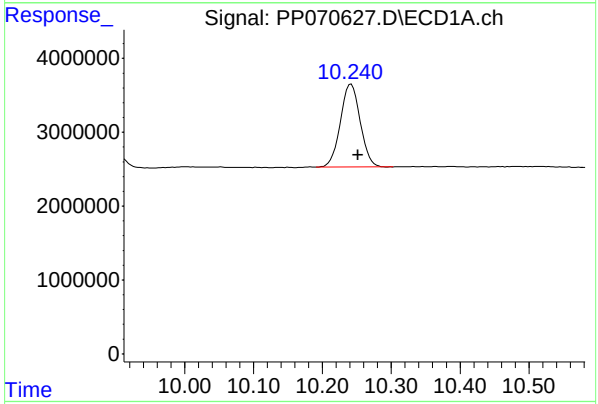
R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 32870051
Conc: 21.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



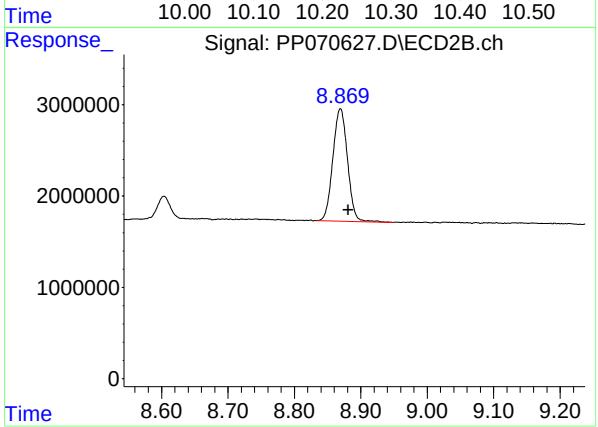

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 22016223
Conc: 21.97 ng/ml



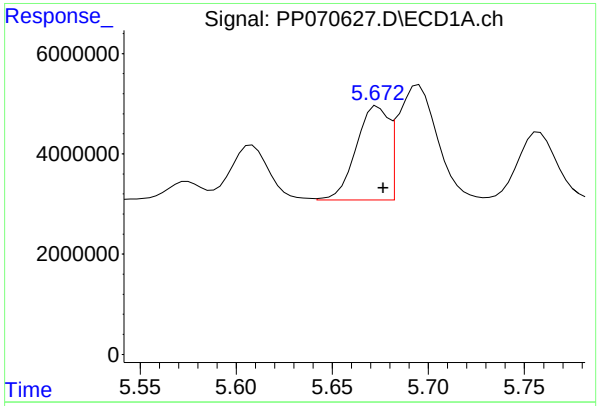

#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: -0.010 min
Response: 22398343
Conc: 21.08 ng/ml




#2 Decachlorobiphenyl

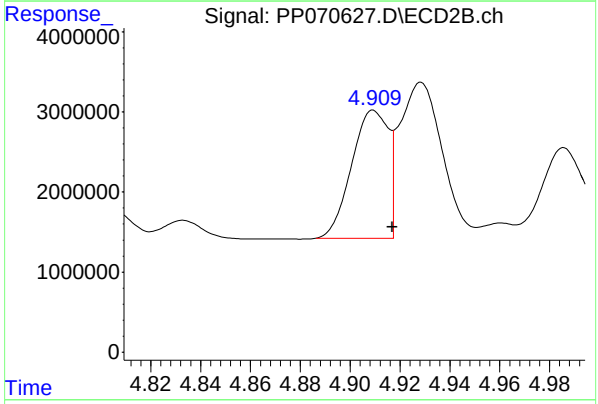
R.T.: 8.869 min
Delta R.T.: -0.012 min
Response: 18912488
Conc: 19.33 ng/ml




#3 AR-1016-1

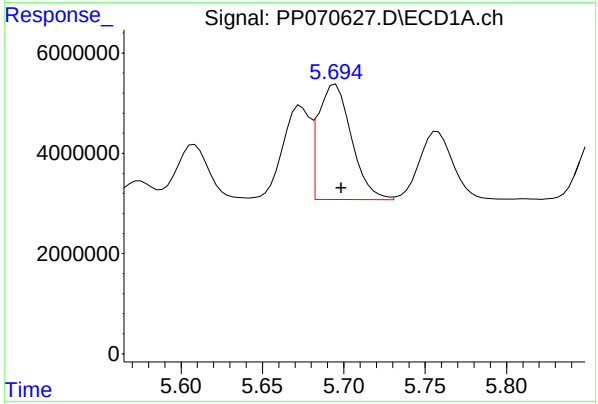
R.T.: 5.674 min
Delta R.T.: -0.003 min
Response: 22027079
Conc: 424.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



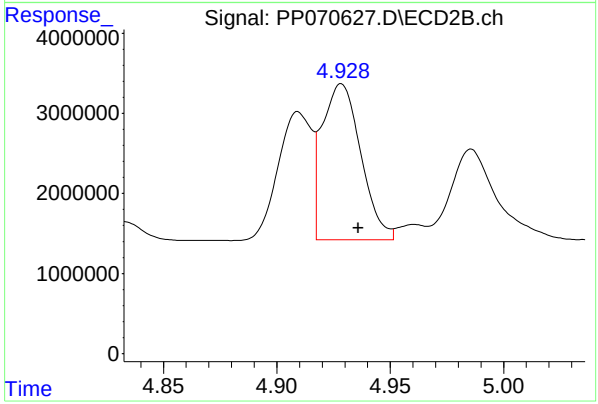

#3 AR-1016-1

R.T.: 4.909 min
Delta R.T.: -0.007 min
Response: 16439591
Conc: 457.26 ng/ml



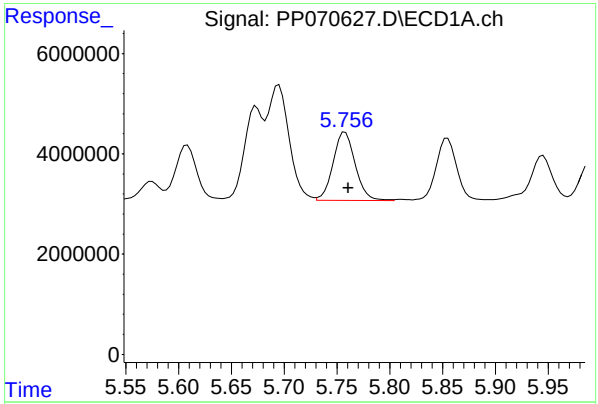

#4 AR-1016-2

R.T.: 5.695 min
Delta R.T.: -0.004 min
Response: 32651520
Conc: 456.38 ng/ml




#4 AR-1016-2

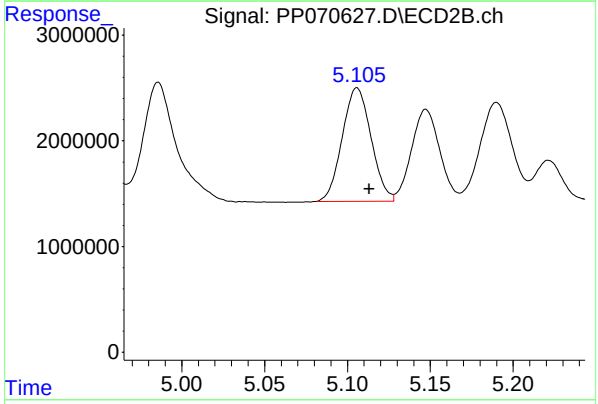
R.T.: 4.928 min
Delta R.T.: -0.008 min
Response: 23189667
Conc: 446.24 ng/ml




#5 AR-1016-3

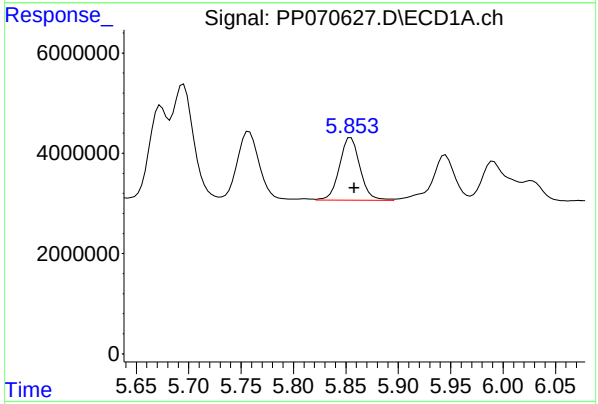
R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 19847390
Conc: 435.84 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



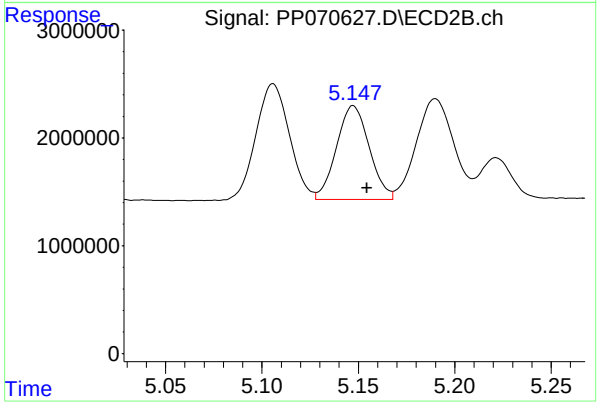

#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 13054204
Conc: 458.79 ng/ml



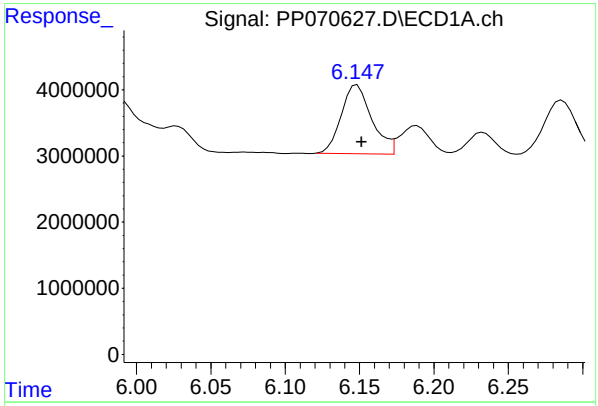

#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 16984329
Conc: 435.07 ng/ml




#6 AR-1016-4

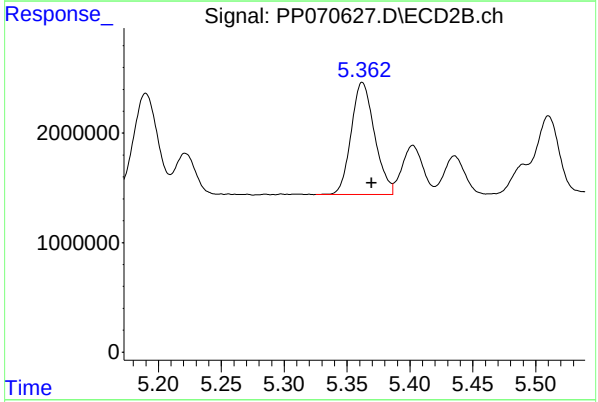
R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 10329276
Conc: 461.34 ng/ml




#7 AR-1016-5

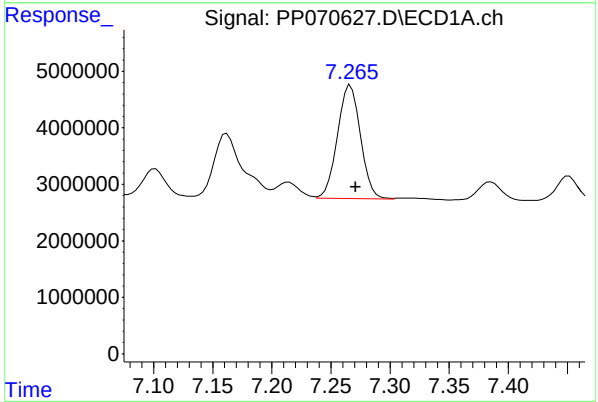
R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 14866342
Conc: 429.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



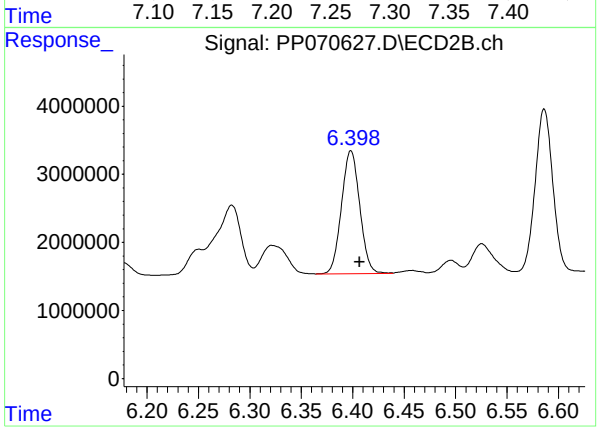

#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.007 min
Response: 13261893
Conc: 446.24 ng/ml



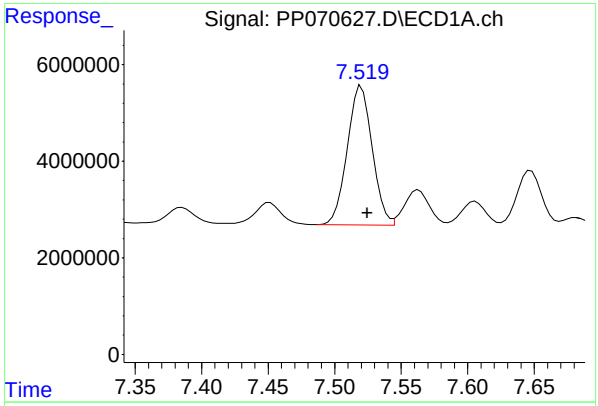

#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 27250532
Conc: 463.93 ng/ml




#31 AR-1260-1

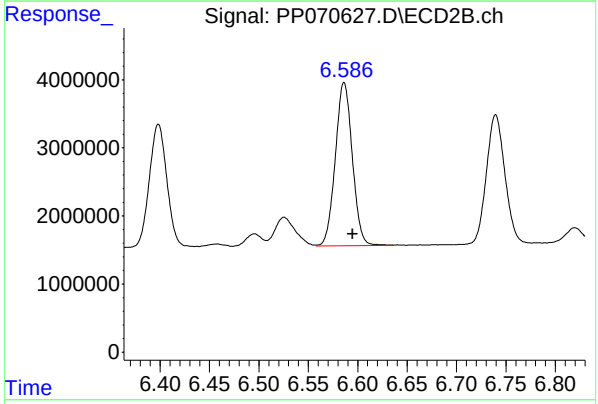
R.T.: 6.398 min
Delta R.T.: -0.008 min
Response: 22419165
Conc: 450.33 ng/ml




#32 AR-1260-2

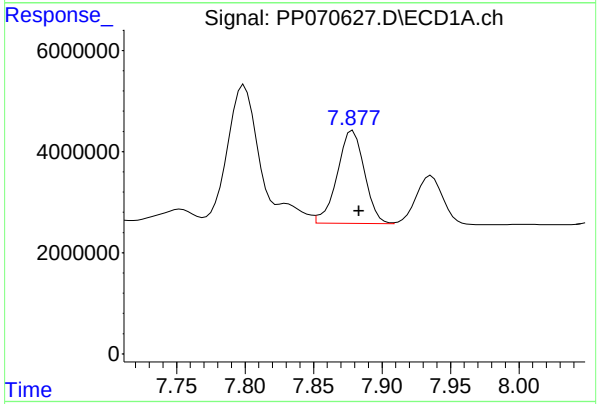
R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 37713113
Conc: 459.67 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



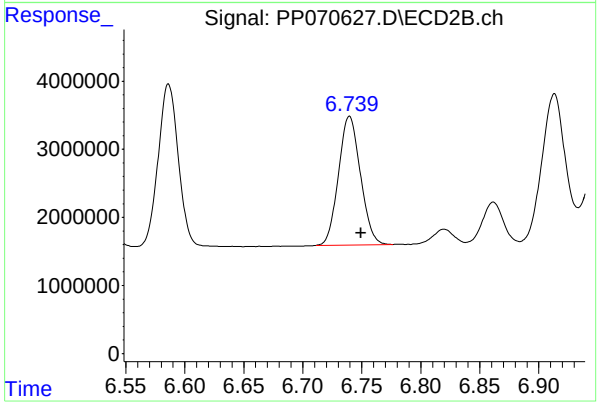

#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.009 min
Response: 28734061
Conc: 434.79 ng/ml



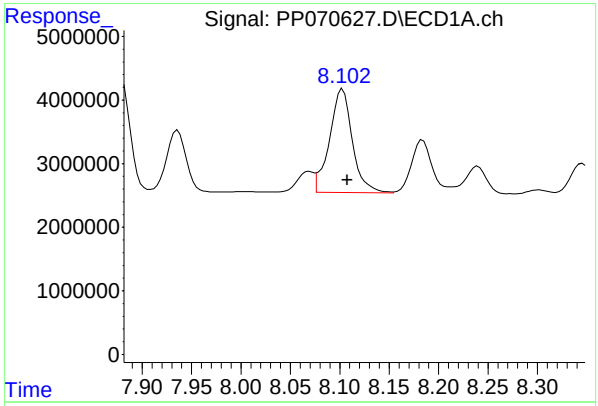

#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 min
Response: 25394547
Conc: 386.18 ng/ml




#33 AR-1260-3

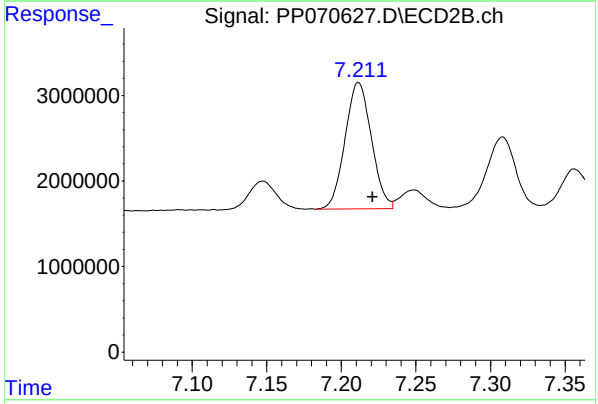
R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 24440448
Conc: 427.30 ng/ml




#34 AR-1260-4

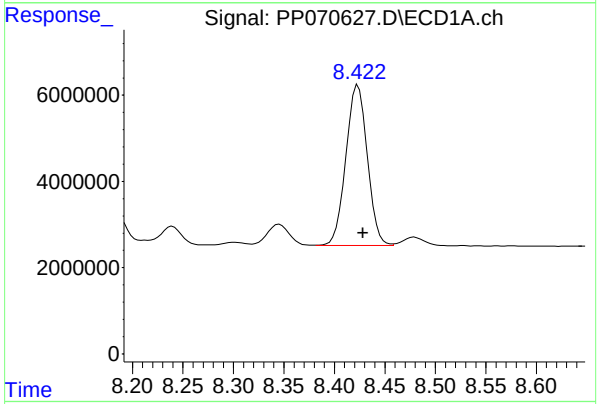
R.T.: 8.103 min
Delta R.T.: -0.005 min
Response: 26166823
Conc: 400.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BS



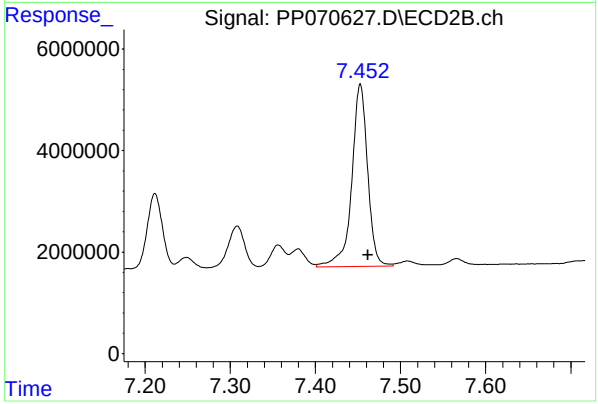

#34 AR-1260-4

R.T.: 7.212 min
Delta R.T.: -0.010 min
Response: 18113956
Conc: 354.04 ng/ml




#35 AR-1260-5

R.T.: 8.423 min
Delta R.T.: -0.005 min
Response: 55112285
Conc: 403.23 ng/ml




#35 AR-1260-5

R.T.: 7.453 min
Delta R.T.: -0.009 min
Response: 46539540
Conc: 361.37 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | |
| Project: | R36884 - PCB | Date Received: | |
| Client Sample ID: | PB167172BSD | SDG No.: | Q1573 |
| Lab Sample ID: | PB167172BSD | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070628.D | 1 | 03/17/25 09:35 | 03/18/25 01:39 | PB167172 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.50 | | 0.097 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.50 | U | 0.13 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.50 | U | 0.096 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.50 | U | 0.12 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.50 | U | 0.071 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.50 | U | 0.094 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.50 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.50 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 4.40 | | 0.081 | 0.50 | ug/L |
| Total PCBs | Total PCBs | 8.90 | | 0.18 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.6 | | 16 - 158 | 113% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.0 | | 10 - 173 | 110% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:39
Operator : YP\AJ
Sample : PB167172BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.519 | 3.823 | 33599219 | 22622274 | 21.602 | 22.571 |
| 2) | SA Decachlor... | 10.238 | 8.868 | 23355445 | 19648776 | 21.985 | 20.083 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.672 | 4.910 | 22838763 | 16519022 | 440.467 | 459.468 |
| 4) | L1 AR-1016-2 | 5.693 | 4.929 | 33796866 | 23125858 | 472.387 | 445.013 |
| 5) | L1 AR-1016-3 | 5.756 | 5.106 | 21703798 | 12869418 | 476.609 | 452.298 |
| 6) | L1 AR-1016-4 | 5.853 | 5.147 | 17904771 | 9995602 | 458.652 | 446.433 |
| 7) | L1 AR-1016-5 | 6.145 | 5.362 | 14722506 | 12899059 | 425.235m | 434.036 |
| 31) | L7 AR-1260-1 | 7.265 | 6.399 | 28501294 | 22779039 | 485.226 | 457.554 |
| 32) | L7 AR-1260-2 | 7.518 | 6.586 | 38789076 | 29585337 | 472.790 | 447.669 |
| 33) | L7 AR-1260-3 | 7.877 | 6.740 | 26051838 | 25160814 | 396.179 | 439.895 |
| 34) | L7 AR-1260-4 | 8.100 | 7.213 | 27531417 | 19232897 | 421.338 | 375.910 |
| 35) | L7 AR-1260-5 | 8.421 | 7.454 | 56189015 | 48721575 | 411.106 | 378.316 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 01:39
Operator : YP\AJ
Sample : PB167172BSD
Misc :
ALS Vial : 41 Sample Multiplier: 1

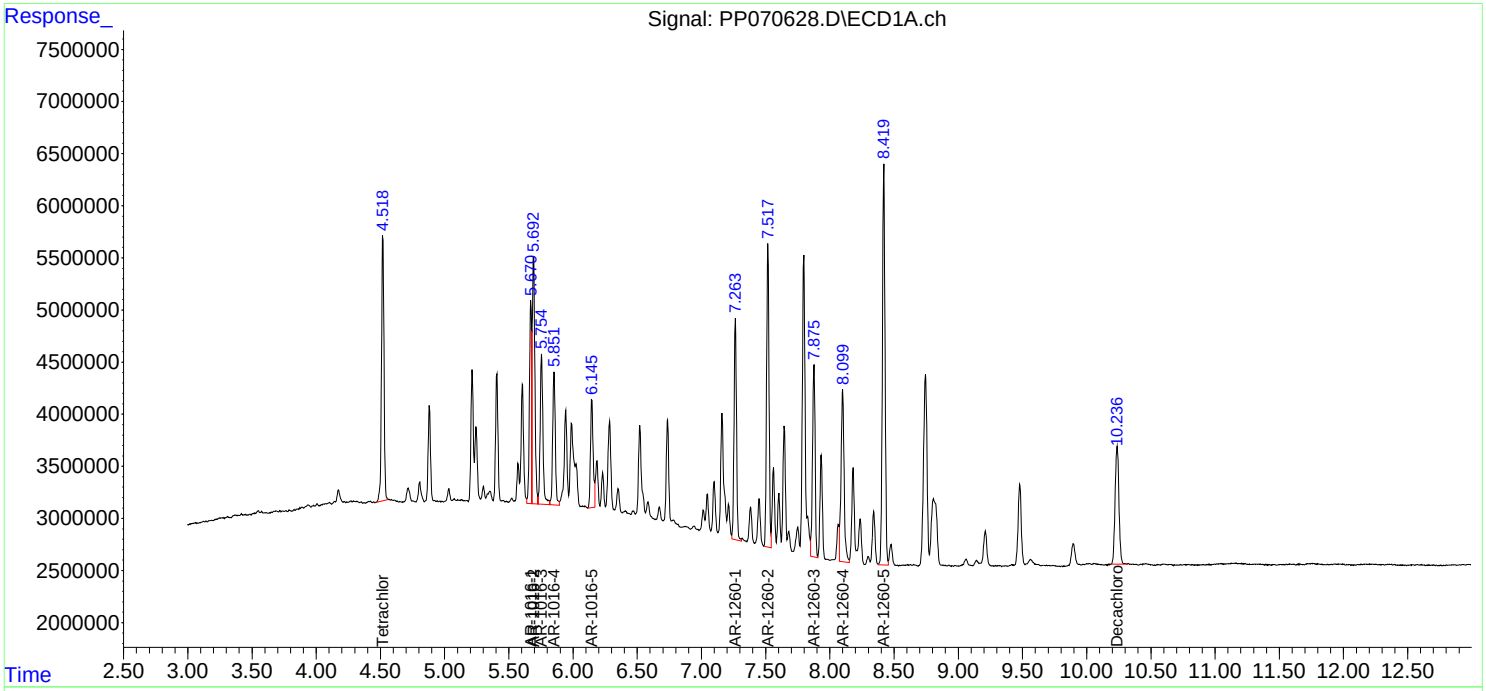
**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

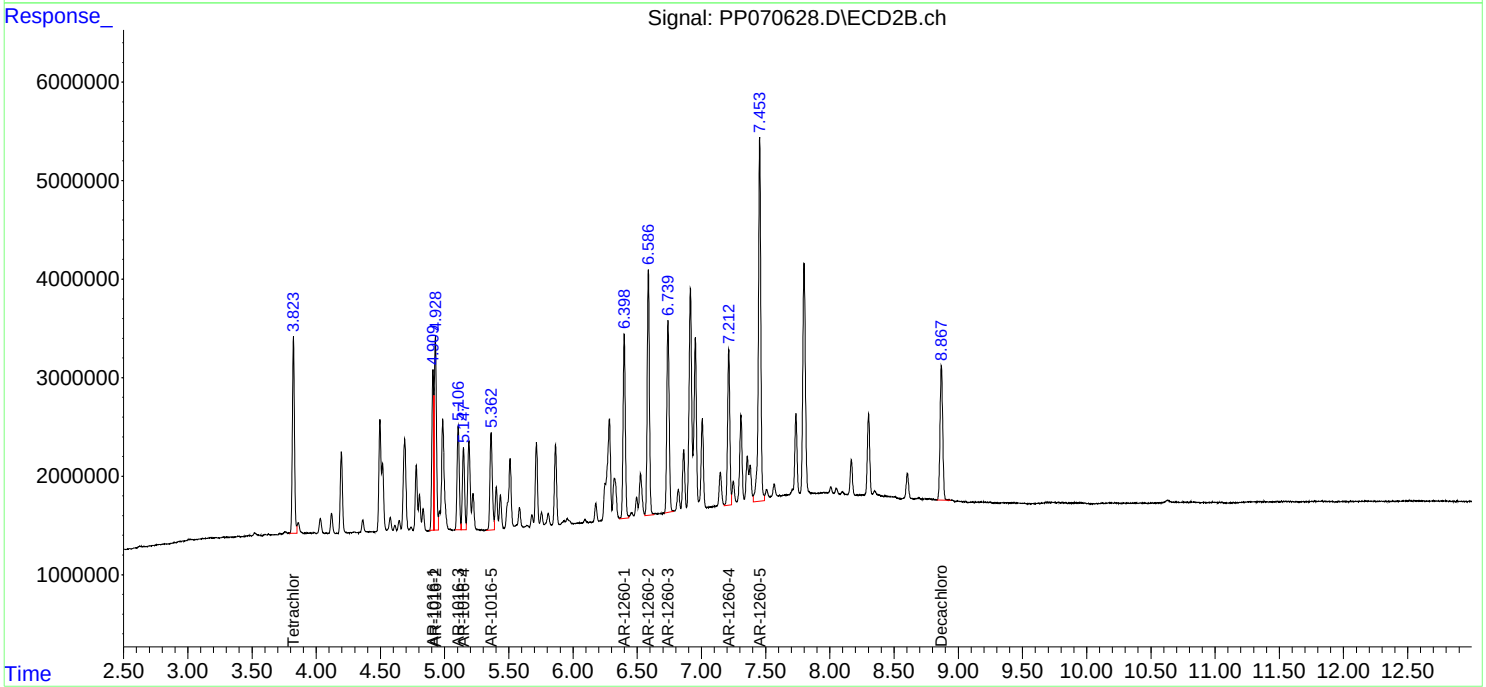
**Manual Integrations APPROVED**

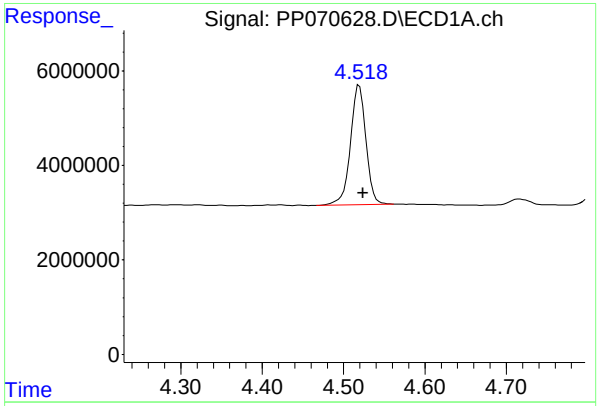
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 06:40:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





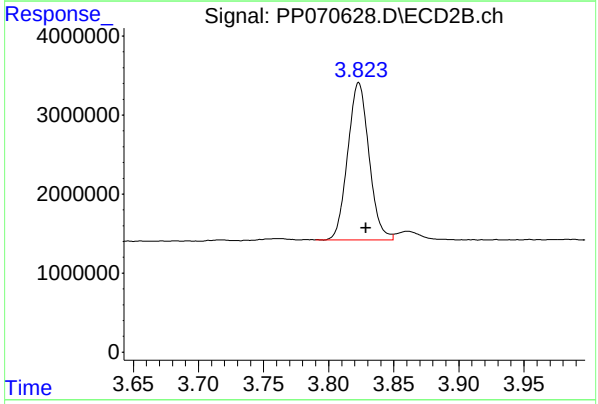

#1 Tetrachloro-m-xylene

R.T.: 4.519 min
Delta R.T.: -0.005 min
Response: 33599219
Conc: 21.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

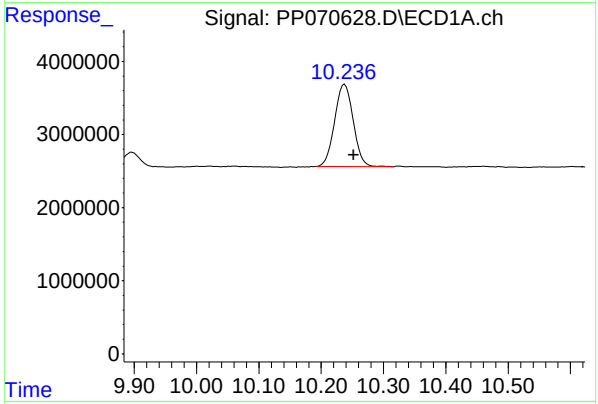
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



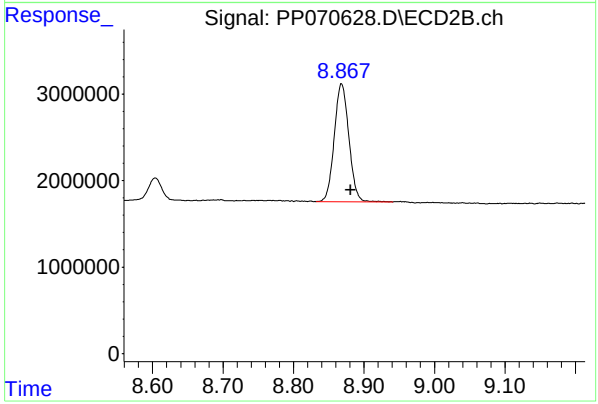

#1 Tetrachloro-m-xylene

R.T.: 3.823 min
Delta R.T.: -0.006 min
Response: 22622274
Conc: 22.57 ng/ml



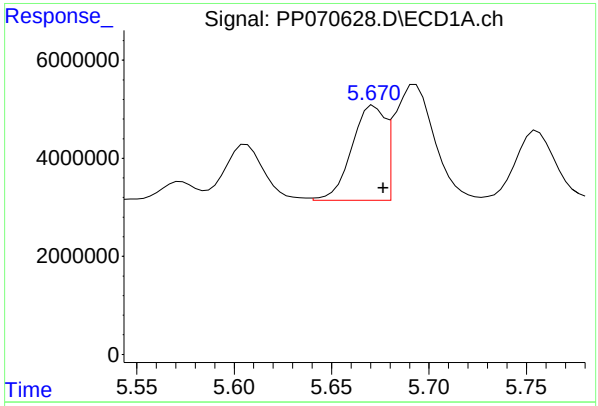

#2 Decachlorobiphenyl

R.T.: 10.238 min
Delta R.T.: -0.014 min
Response: 23355445
Conc: 21.98 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.868 min
Delta R.T.: -0.013 min
Response: 19648776
Conc: 20.08 ng/ml



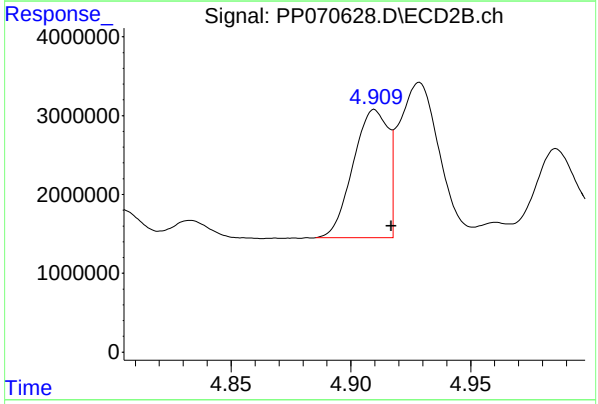

#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.005 min
Response: 22838763
Conc: 440.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

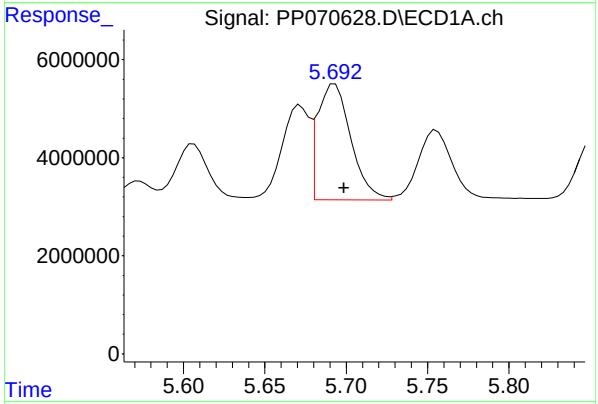
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



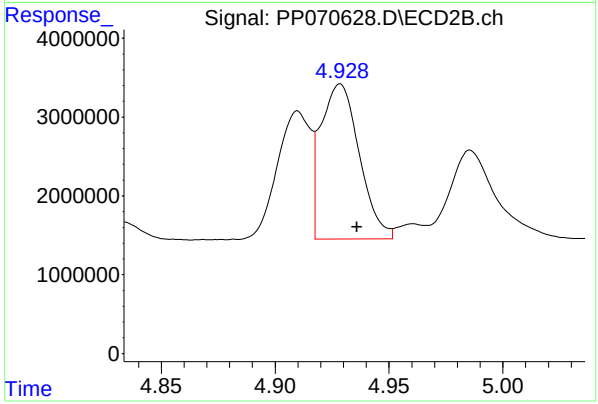

#3 AR-1016-1

R.T.: 4.910 min
Delta R.T.: -0.007 min
Response: 16519022
Conc: 459.47 ng/ml



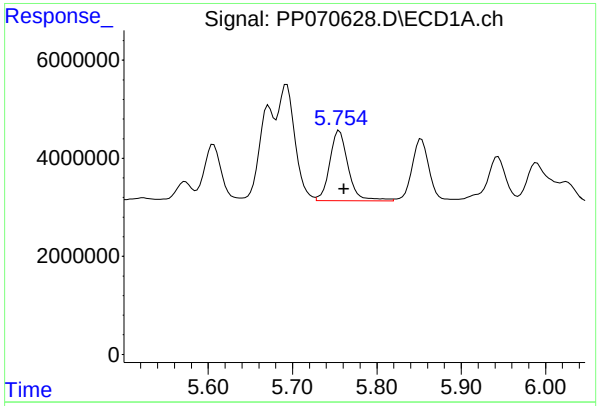

#4 AR-1016-2

R.T.: 5.693 min
Delta R.T.: -0.005 min
Response: 33796866
Conc: 472.39 ng/ml




#4 AR-1016-2

R.T.: 4.929 min
Delta R.T.: -0.007 min
Response: 23125858
Conc: 445.01 ng/ml



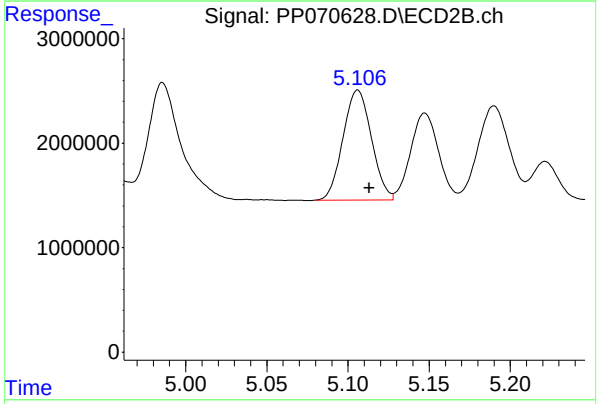

#5 AR-1016-3

R.T.: 5.756 min
Delta R.T.: -0.005 mi
Response: 21703798
Conc: 476.61 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

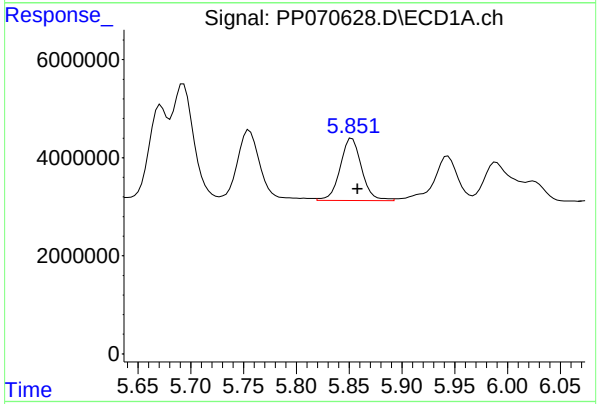
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



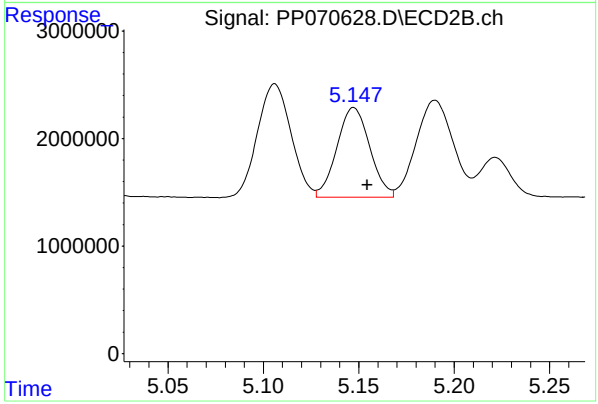

#5 AR-1016-3

R.T.: 5.106 min
Delta R.T.: -0.007 min
Response: 12869418
Conc: 452.30 ng/ml



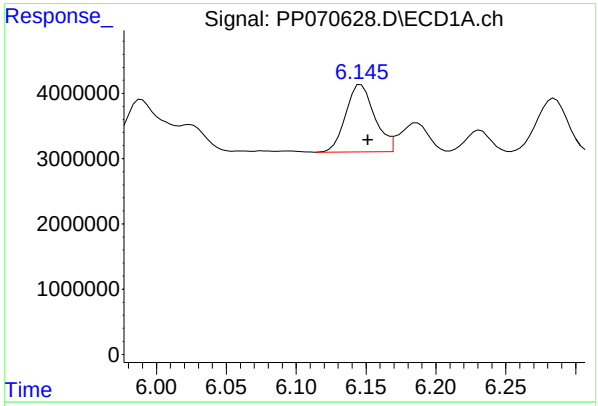

#6 AR-1016-4

R.T.: 5.853 min
Delta R.T.: -0.005 min
Response: 17904771
Conc: 458.65 ng/ml




#6 AR-1016-4

R.T.: 5.147 min
Delta R.T.: -0.007 min
Response: 9995602
Conc: 446.43 ng/ml



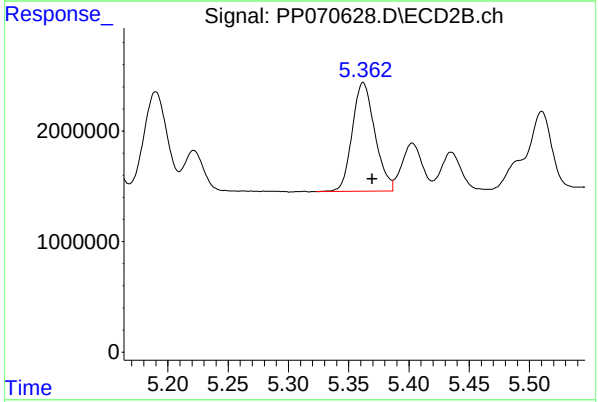

#7 AR-1016-5

R.T.: 6.145 min
Delta R.T.: -0.006 min
Response: 14722506
Conc: 425.24 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

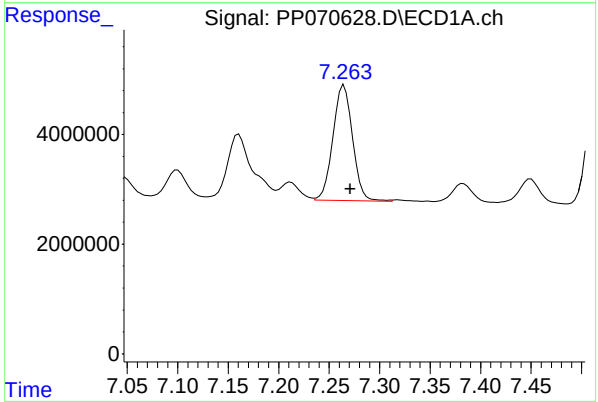
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



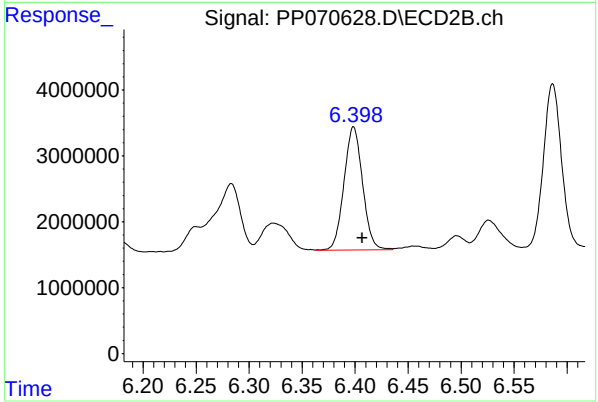

#7 AR-1016-5

R.T.: 5.362 min
Delta R.T.: -0.008 min
Response: 12899059
Conc: 434.04 ng/ml



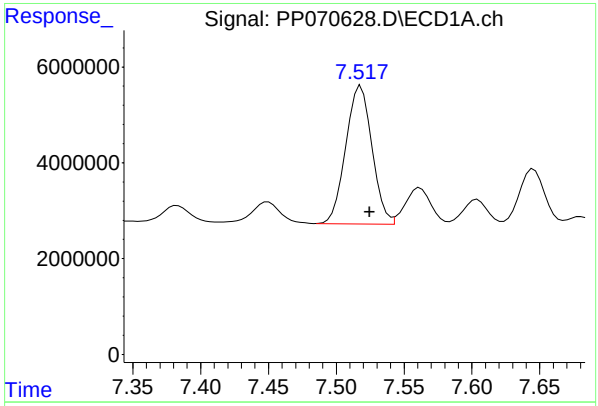

#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: -0.006 min
Response: 28501294
Conc: 485.23 ng/ml




#31 AR-1260-1

R.T.: 6.399 min
Delta R.T.: -0.008 min
Response: 22779039
Conc: 457.55 ng/ml



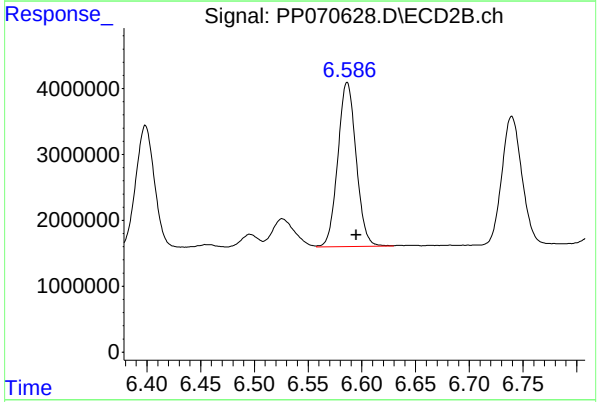

#32 AR-1260-2

R.T.: 7.518 min
Delta R.T.: -0.007 min
Response: 38789076
Conc: 472.79 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

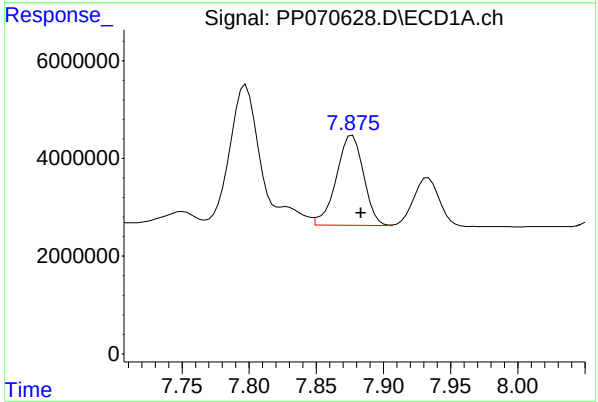
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



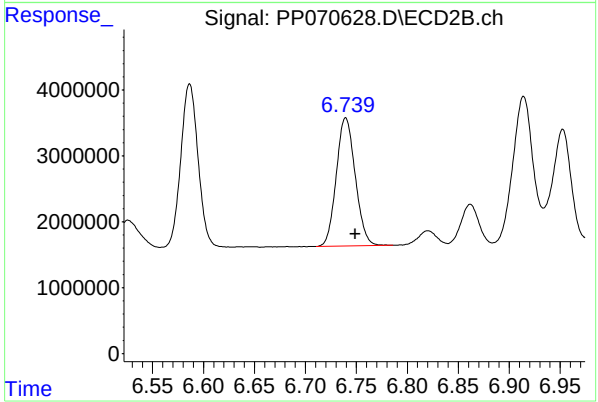

#32 AR-1260-2

R.T.: 6.586 min
Delta R.T.: -0.008 min
Response: 29585337
Conc: 447.67 ng/ml



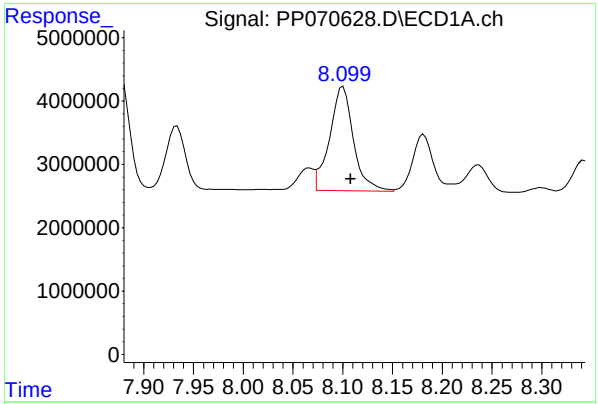

#33 AR-1260-3

R.T.: 7.877 min
Delta R.T.: -0.006 min
Response: 26051838
Conc: 396.18 ng/ml




#33 AR-1260-3

R.T.: 6.740 min
Delta R.T.: -0.010 min
Response: 25160814
Conc: 439.89 ng/ml



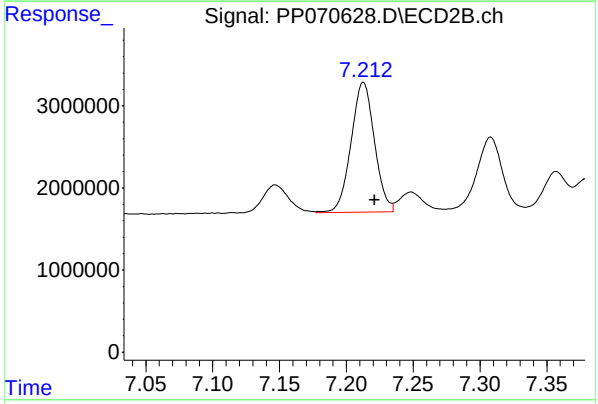

#34 AR-1260-4

R.T.: 8.100 min
Delta R.T.: -0.007 min
Response: 27531417
Conc: 421.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB167172BSD

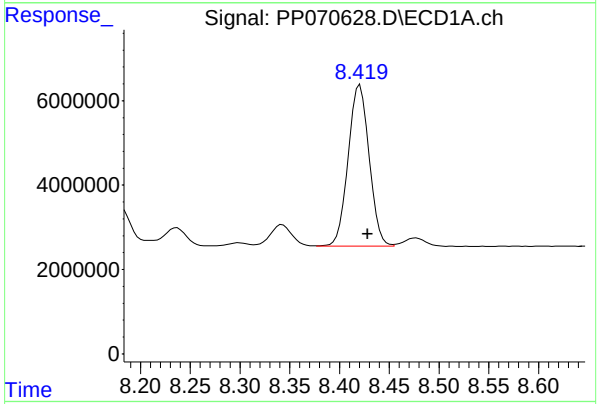
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



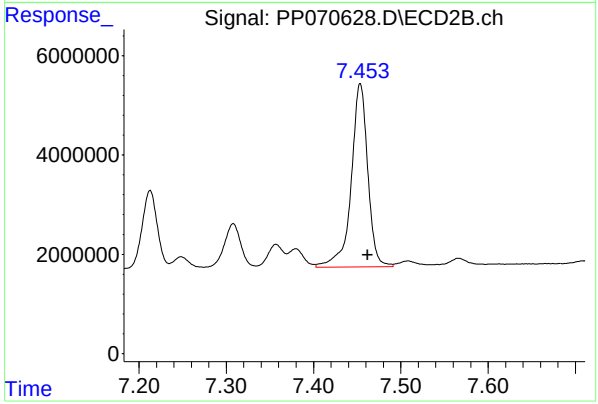

#34 AR-1260-4

R.T.: 7.213 min
Delta R.T.: -0.008 min
Response: 19232897
Conc: 375.91 ng/ml




#35 AR-1260-5

R.T.: 8.421 min
Delta R.T.: -0.008 min
Response: 56189015
Conc: 411.11 ng/ml




#35 AR-1260-5

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 48721575
Conc: 378.32 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC4MS | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-01MS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 72.5 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070602.D | 1 | 03/17/25 08:35 | 03/17/25 17:32 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 245 | | 5.40 | 23.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 23.4 | U | 5.50 | 23.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 23.4 | U | 5.10 | 23.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 23.4 | U | 5.50 | 23.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 212 | | 8.10 | 23.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 23.4 | U | 4.40 | 23.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 23.4 | U | 6.90 | 23.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 23.4 | U | 5.00 | 23.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 201 | | 4.40 | 23.4 | ug/kg |
| Total PCBs | Total PCBs | 657 | | 17.9 | 23.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.8 | | 32 - 144 | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 12.1 | | 32 - 175 | 60% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : Q1573-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.522 | 3.826 | 29257838 | 18243990 | 18.811 | 18.202 | |
| 2) | SA Decachlor... | 10.244 | 8.873 | 12831077 | 11685882 | 12.078 | 11.944 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.672 | 4.912 | 18186112 | 17642235 | 350.737m | 490.709 | # |
| 4) | L1 AR-1016-2 | 5.694 | 4.931 | 43303809 | 27470852 | 605.268m | 528.624 | |
| 5) | L1 AR-1016-3 | 5.758 | 5.109 | 22903078 | 14242776 | 502.945 | 500.565 | |
| 6) | L1 AR-1016-4 | 5.855 | 5.150 | 20386236 | 13053504 | 522.218 | 583.009 | |
| 7) | L1 AR-1016-5 | 6.147 | 5.365 | 19719852 | 16730126 | 569.576 | 562.946 | |
| 21) | L5 AR-1248-1 | 5.672 | 4.912 | 21300092 | 17642235 | 623.613m | 751.516 | |
| 22) | L5 AR-1248-2 | 5.945 | 5.150 | 18892575 | 13053504 | 445.083 | 416.999 | |
| 23) | L5 AR-1248-3 | 6.147 | 5.192 | 19719852 | 15165016 | 427.312 | 478.066 | |
| 24) | L5 AR-1248-4 | 6.545 | 5.365 | 9449438 | 16730126 | 162.946 | 429.273 | # |
| 25) | L5 AR-1248-5 | 6.586 | 5.759 | 12955693 | 8765249 | 241.317 | 230.139 | |
| 31) | L7 AR-1260-1 | 7.266 | 6.402 | 29008308 | 24999081 | 493.858 | 502.147 | |
| 32) | L7 AR-1260-2 | 7.520 | 6.589 | 39695952 | 29117619 | 483.843 | 440.592 | |
| 33) | L7 AR-1260-3 | 7.879 | 6.743 | 26051328 | 25545056 | 396.172 | 446.613 | |
| 34) | L7 AR-1260-4 | 8.102 | 7.215 | 27399099 | 18870352 | 419.313m | 368.824 | |
| 35) | L7 AR-1260-5 | 8.424 | 7.456 | 54544118 | 47418508 | 399.071 | 368.198 | |

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

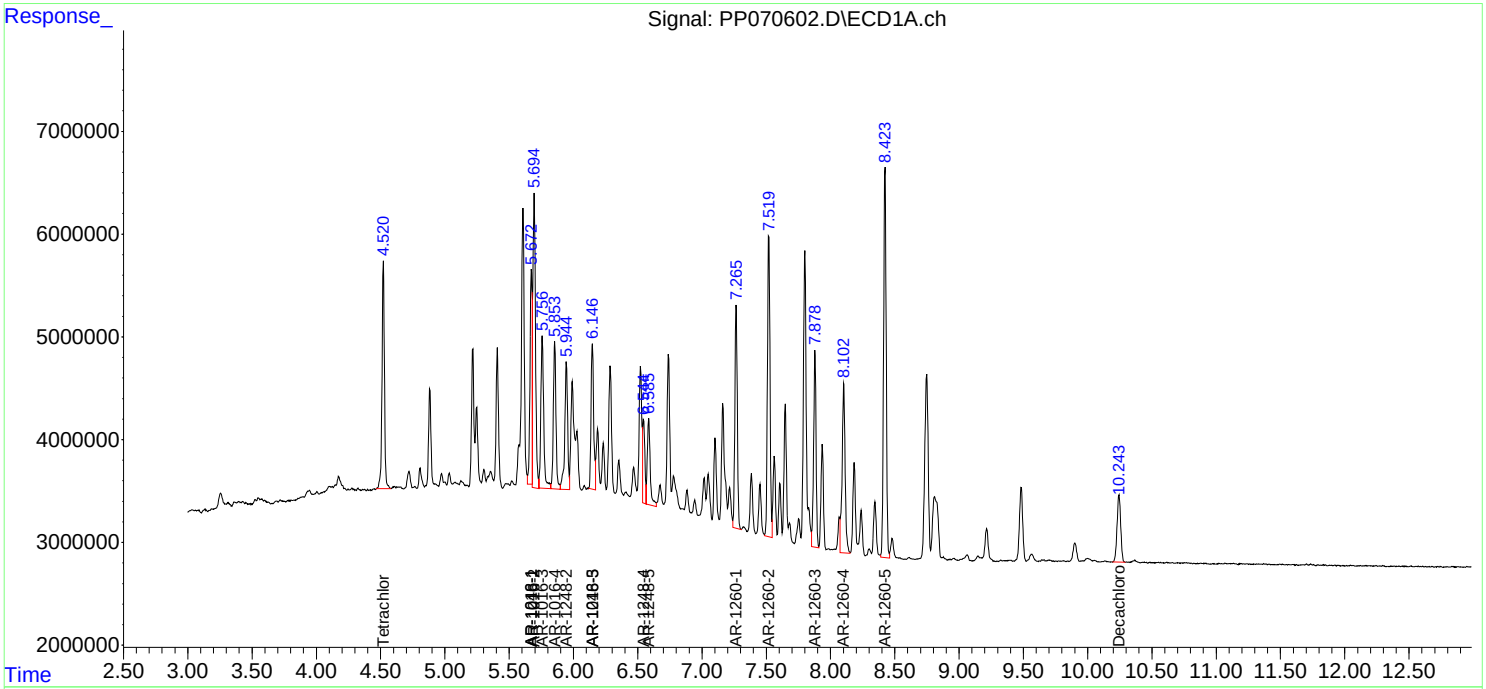
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:32
Operator : YP\AJ
Sample : Q1573-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

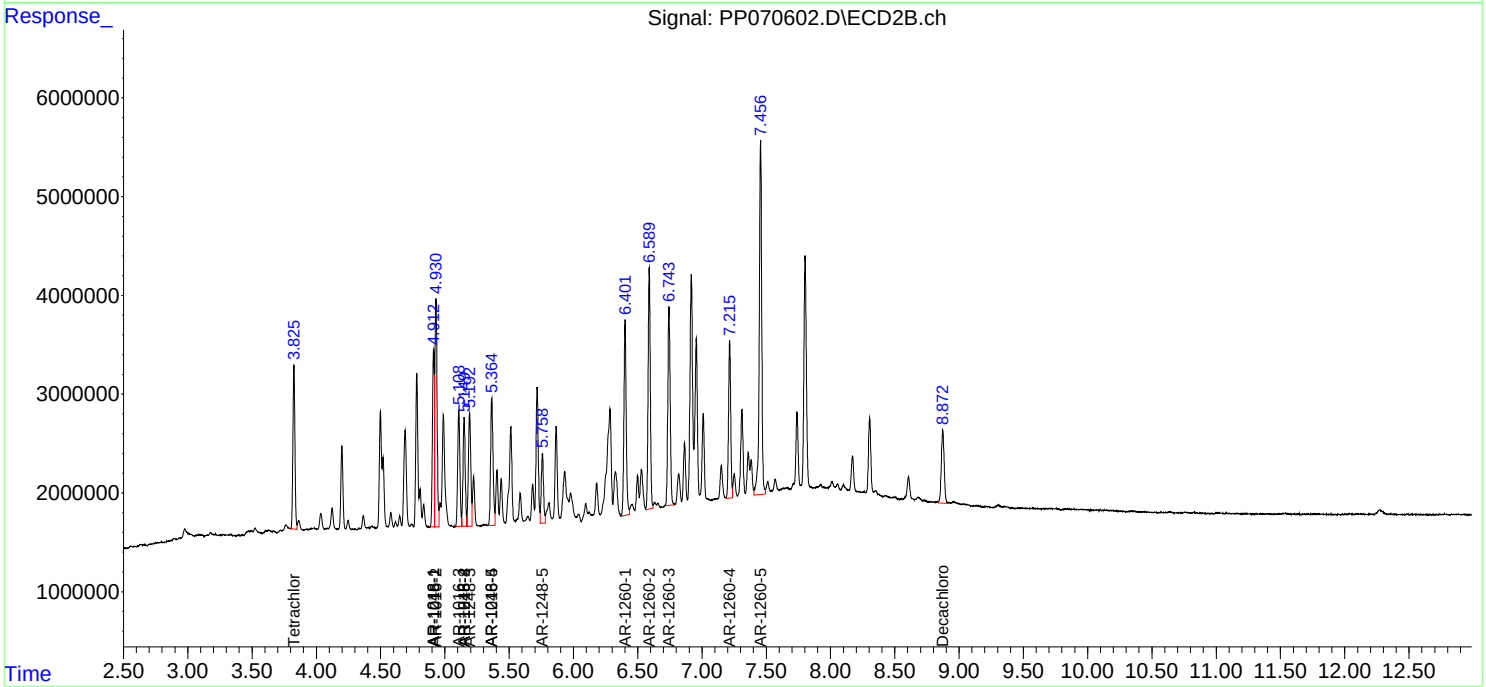
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

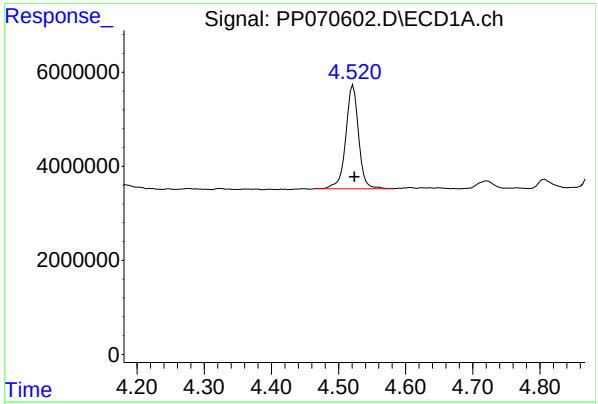
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:41:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





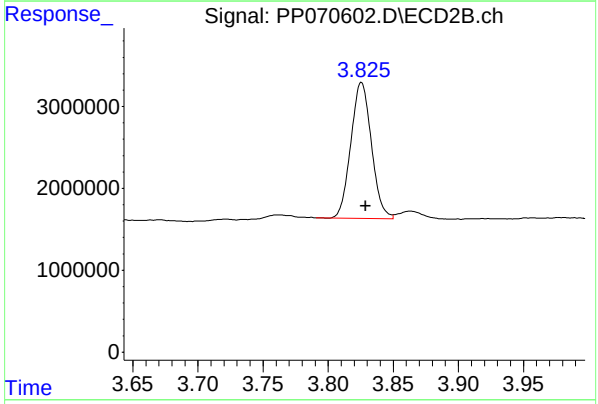

#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 mi
Response: 29257838
Conc: 18.81 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

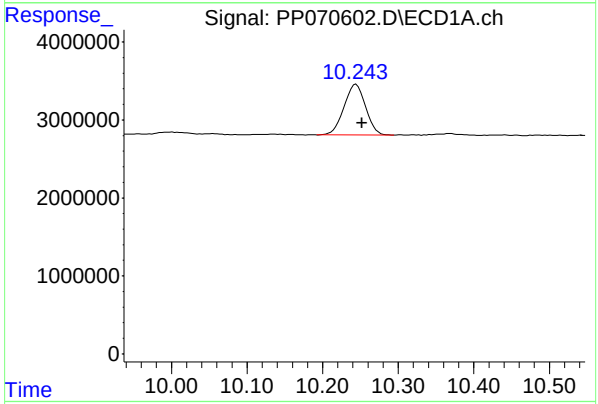
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



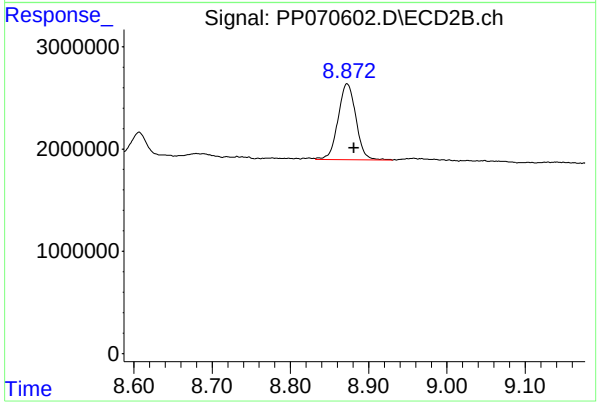

#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 18243990
Conc: 18.20 ng/ml



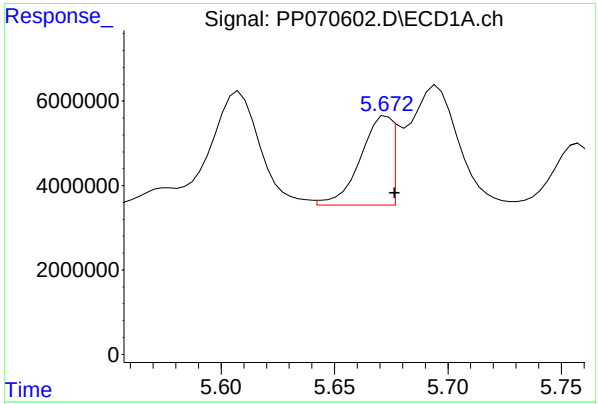

#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.007 min
Response: 12831077
Conc: 12.08 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.873 min
Delta R.T.: -0.009 min
Response: 11685882
Conc: 11.94 ng/ml



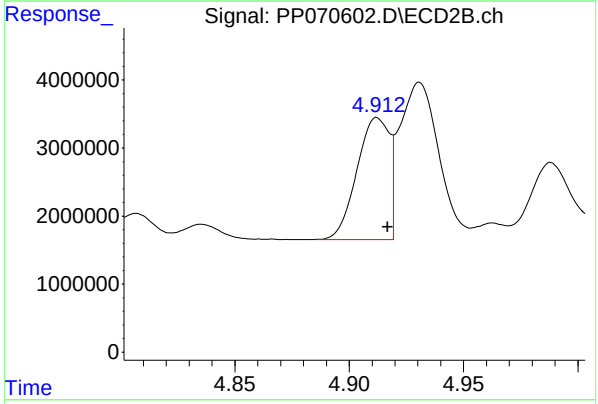

#3 AR-1016-1

R.T.: 5.672 min
Delta R.T.: -0.005 mi
Response: 18186112
Conc: 350.74 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

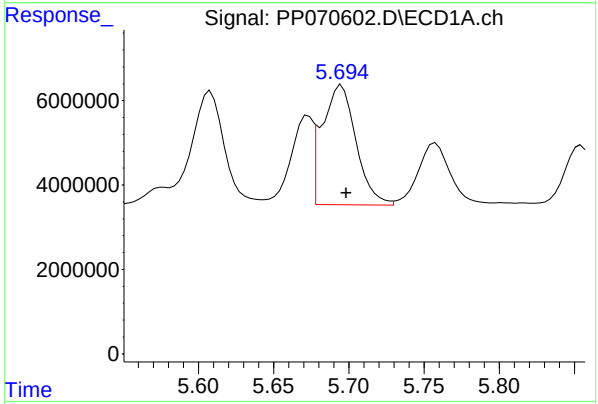
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



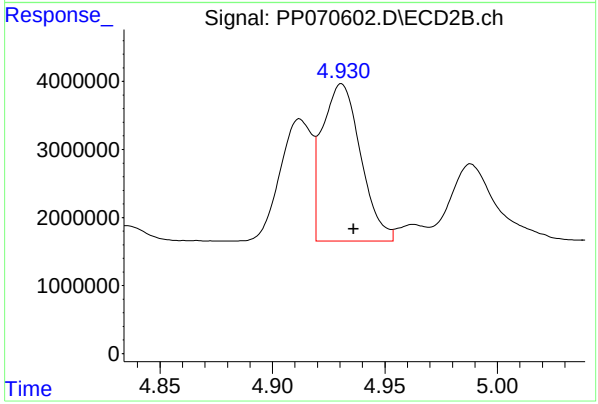

#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 17642235
Conc: 490.71 ng/ml



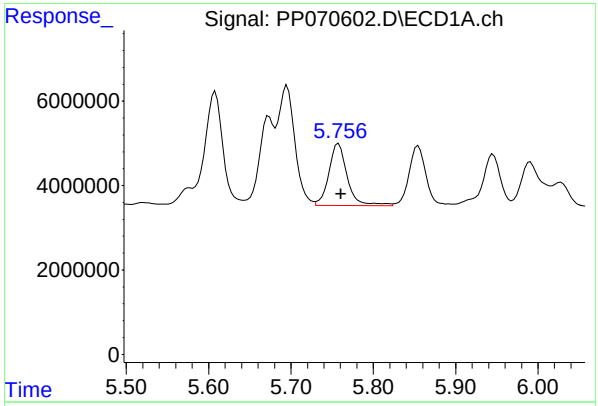

#4 AR-1016-2

R.T.: 5.694 min
Delta R.T.: -0.005 min
Response: 43303809
Conc: 605.27 ng/ml m




#4 AR-1016-2

R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 27470852
Conc: 528.62 ng/ml



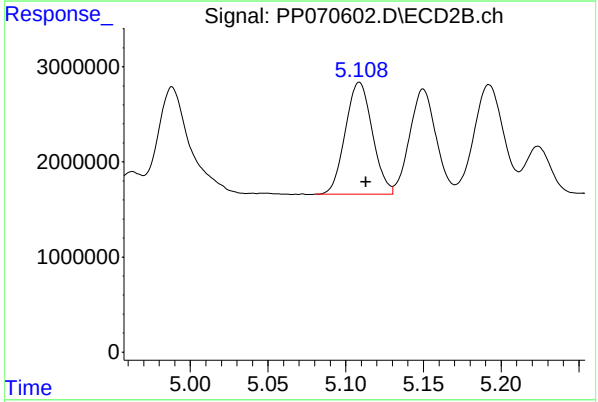

#5 AR-1016-3

R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 22903078
Conc: 502.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

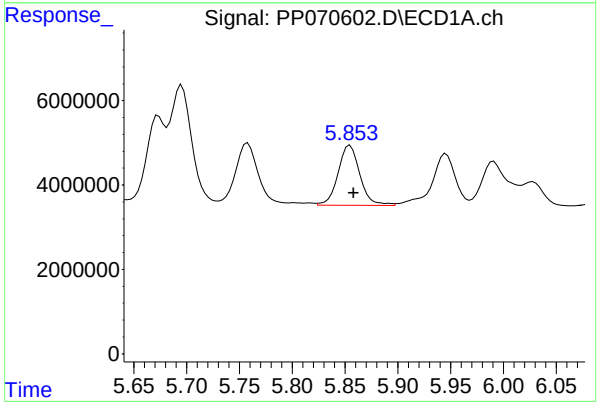
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



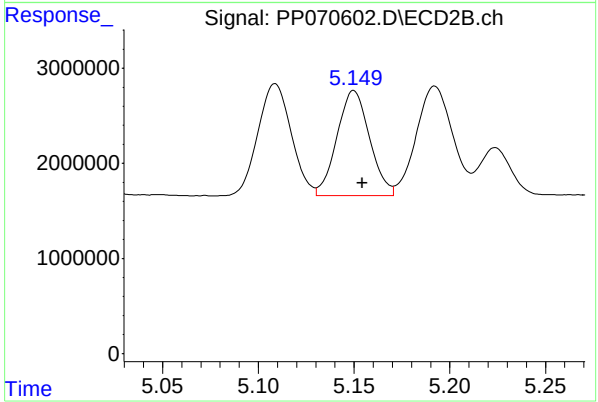

#5 AR-1016-3

R.T.: 5.109 min
Delta R.T.: -0.004 min
Response: 14242776
Conc: 500.57 ng/ml



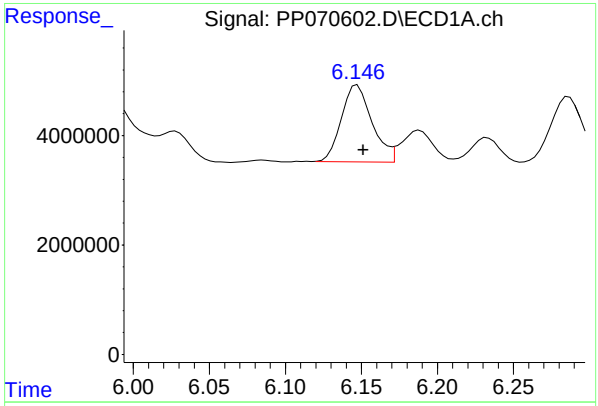

#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 20386236
Conc: 522.22 ng/ml




#6 AR-1016-4

R.T.: 5.150 min
Delta R.T.: -0.005 min
Response: 13053504
Conc: 583.01 ng/ml



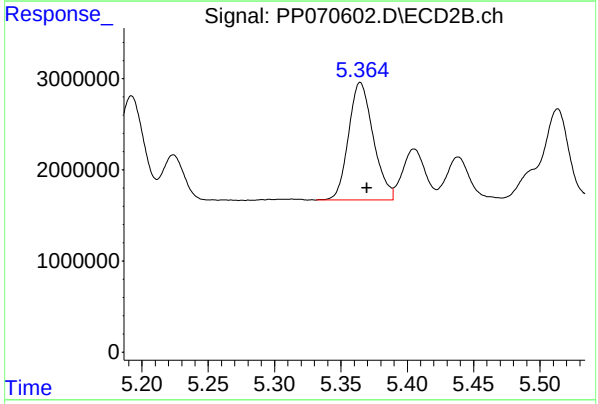

#7 AR-1016-5

R.T.: 6.147 min
Delta R.T.: -0.004 mi
Response: 19719852
Conc: 569.58 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

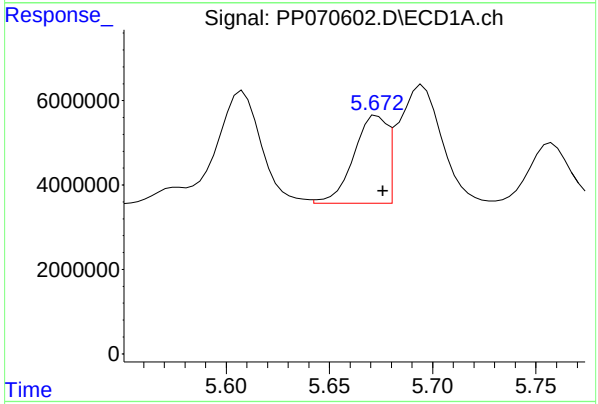
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



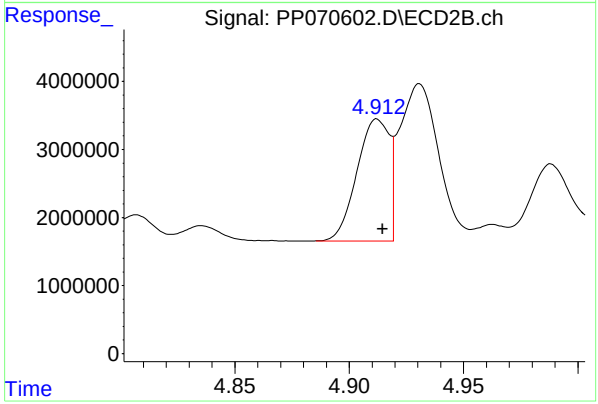

#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 16730126
Conc: 562.95 ng/ml



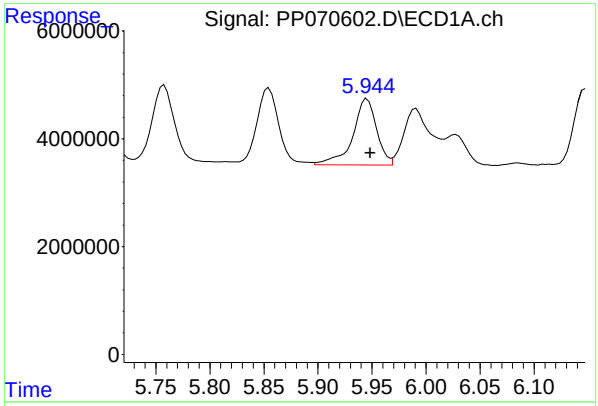

#21 AR-1248-1

R.T.: 5.672 min
Delta R.T.: -0.004 min
Response: 21300092
Conc: 623.61 ng/ml m




#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.002 min
Response: 17642235
Conc: 751.52 ng/ml



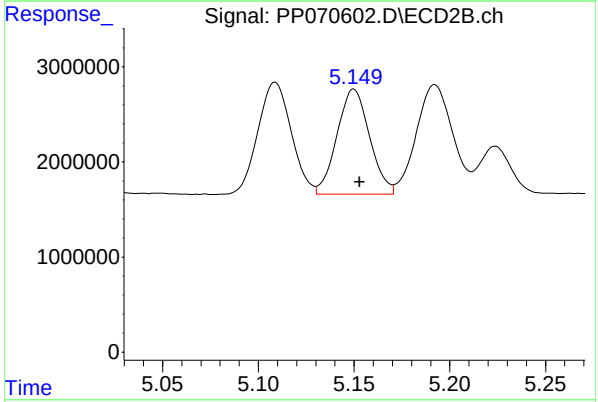

#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 18892575
Conc: 445.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

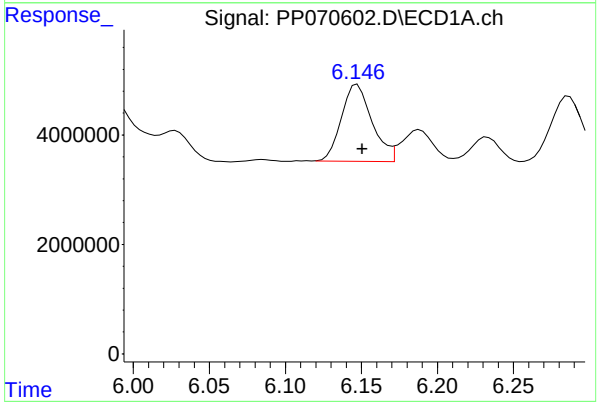
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



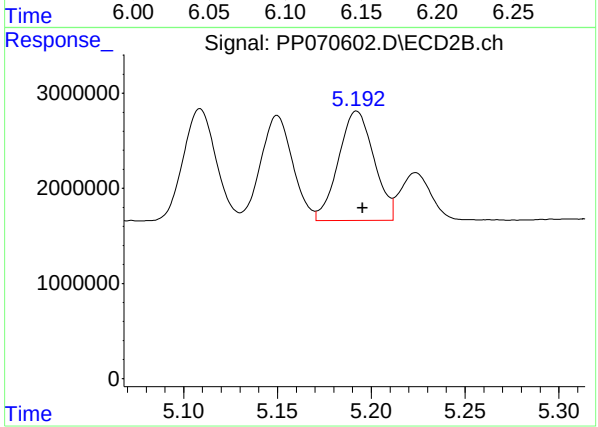

#22 AR-1248-2

R.T.: 5.150 min
Delta R.T.: -0.003 min
Response: 13053504
Conc: 417.00 ng/ml



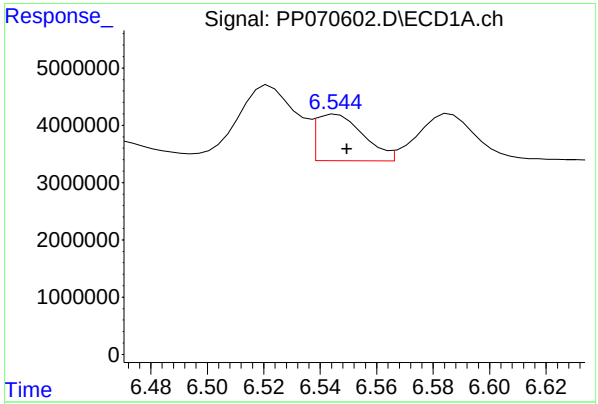

#23 AR-1248-3

R.T.: 6.147 min
Delta R.T.: -0.003 min
Response: 19719852
Conc: 427.31 ng/ml




#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 15165016
Conc: 478.07 ng/ml



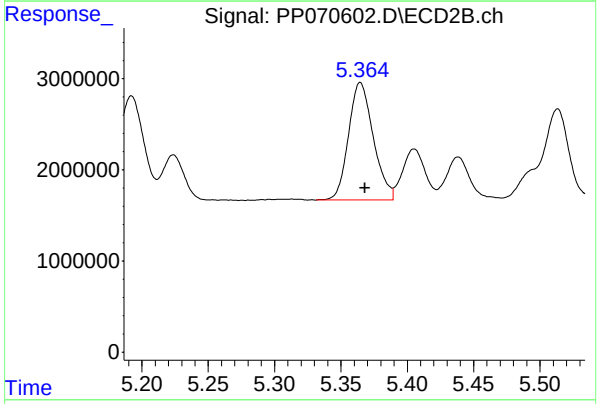

#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 9449438
Conc: 162.95 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

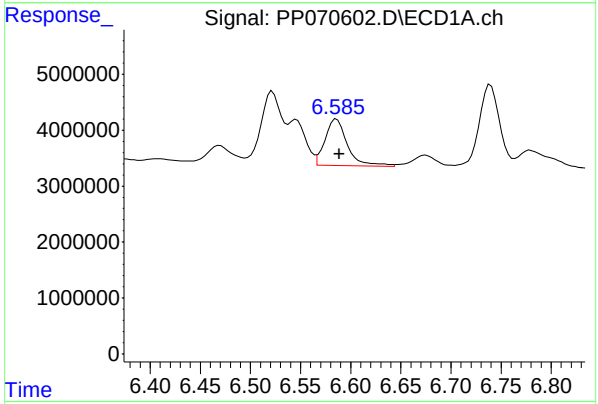
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



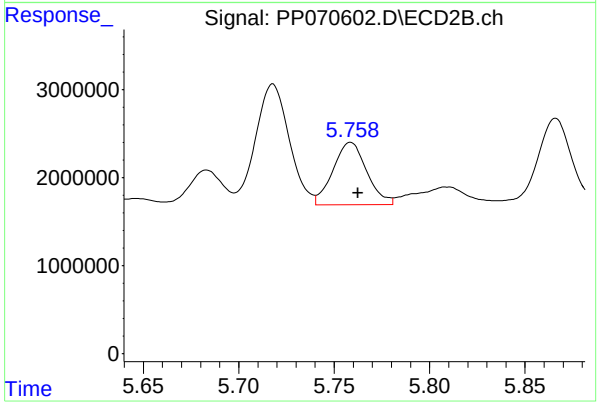

#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 16730126
Conc: 429.27 ng/ml



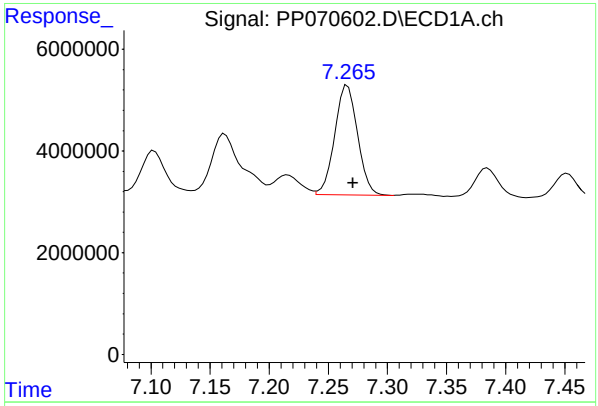

#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 12955693
Conc: 241.32 ng/ml




#25 AR-1248-5

R.T.: 5.759 min
Delta R.T.: -0.004 min
Response: 8765249
Conc: 230.14 ng/ml



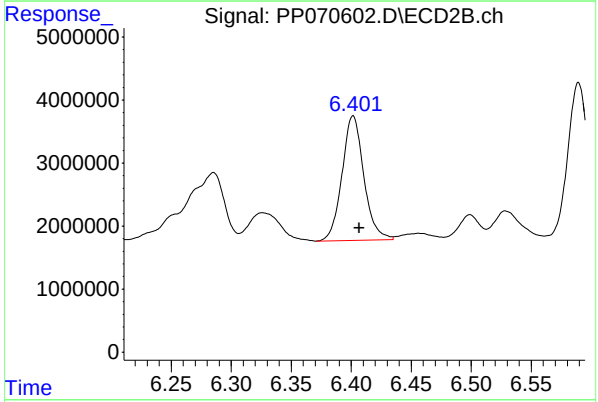

#31 AR-1260-1

R.T.: 7.266 min
Delta R.T.: -0.005 min
Response: 29008308
Conc: 493.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

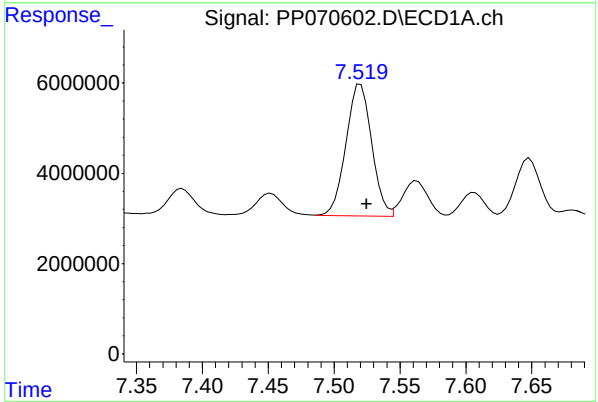
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



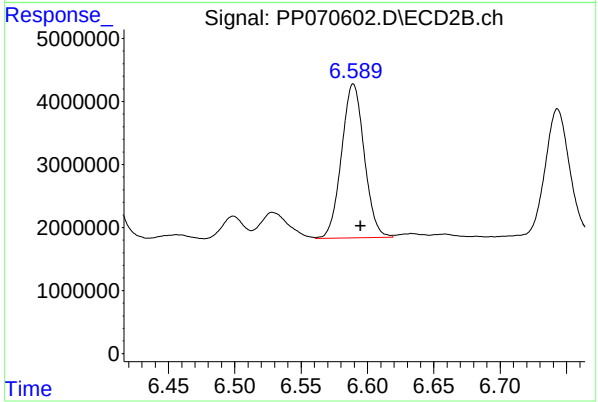

#31 AR-1260-1

R.T.: 6.402 min
Delta R.T.: -0.005 min
Response: 24999081
Conc: 502.15 ng/ml



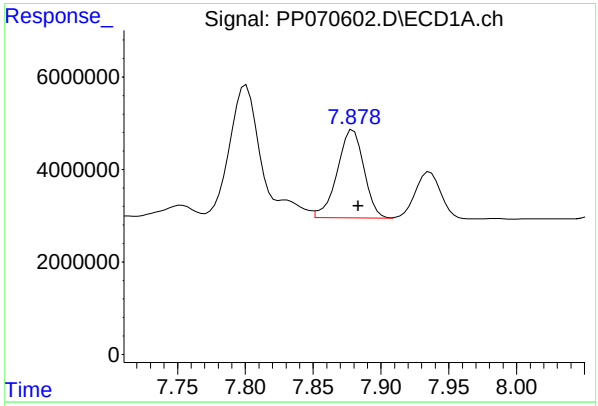

#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 39695952
Conc: 483.84 ng/ml




#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.005 min
Response: 29117619
Conc: 440.59 ng/ml



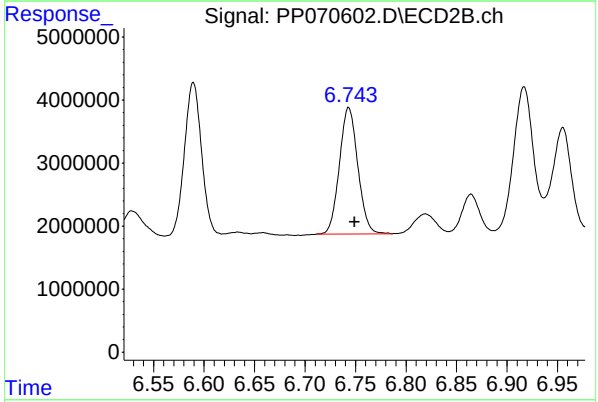

#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: -0.004 mi
Response: 26051328
Conc: 396.17 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

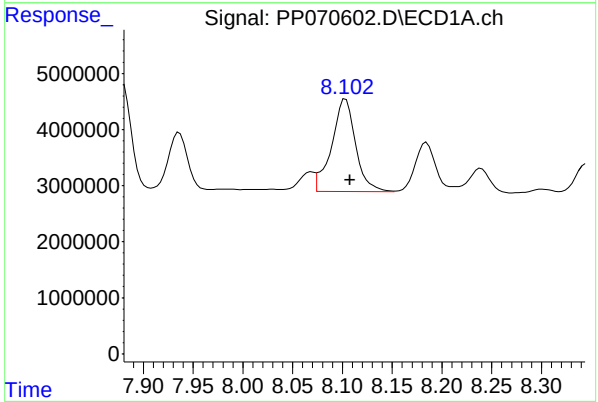
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



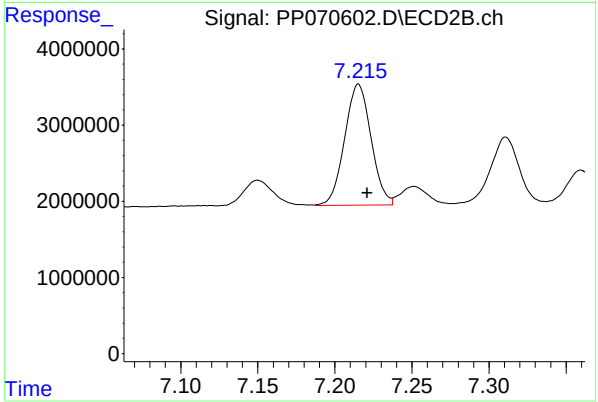

#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 25545056
Conc: 446.61 ng/ml



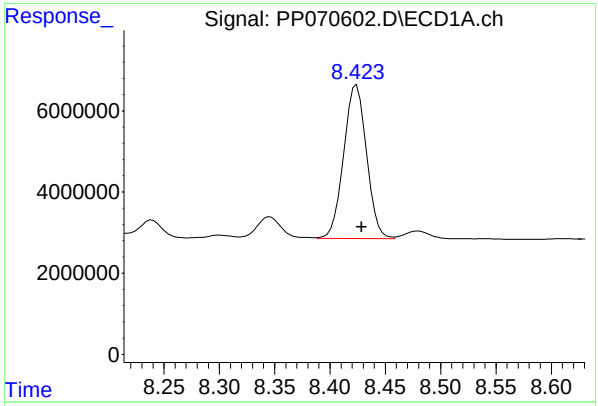

#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 27399099
Conc: 419.31 ng/ml m




#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 18870352
Conc: 368.82 ng/ml



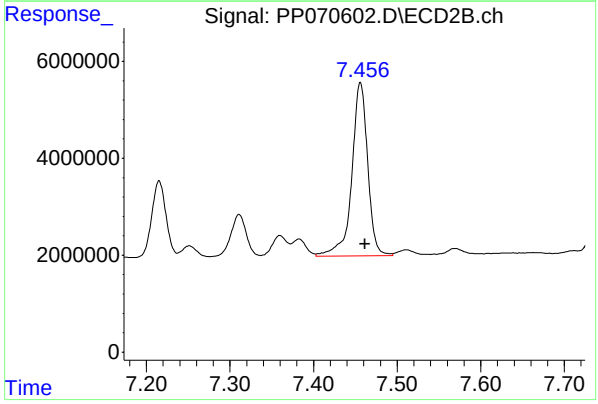

#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.004 min
Response: 54544118
Conc: 399.07 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MS

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025




#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 47418508
Conc: 368.20 ng/ml

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech, EMI | Date Collected: | 03/11/25 |
| Project: | R36884 - PCB | Date Received: | 03/14/25 |
| Client Sample ID: | C0AC4MSD | SDG No.: | Q1573 |
| Lab Sample ID: | Q1573-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 72.5 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB Group1 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070603.D | 1 | 03/17/25 08:35 | 03/17/25 17:48 | PB167154 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 239 | | 5.40 | 23.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 23.4 | U | 5.60 | 23.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 23.4 | U | 5.10 | 23.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 23.4 | U | 5.50 | 23.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 201 | | 8.20 | 23.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 23.4 | U | 4.40 | 23.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 23.4 | U | 6.90 | 23.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 23.4 | U | 5.00 | 23.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 198 | | 4.50 | 23.4 | ug/kg |
| Total PCBs | Total PCBs | 638 | | 18.1 | 23.4 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.1 | | 32 - 144 | 100% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 12.4 | | 32 - 175 | 62% | 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\PP031725\
Data File : PP070603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:48
Operator : YP\AJ
Sample : Q1573-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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... | 4.522 | 3.825 | 29051323 | 20107339 | 18.678 | 20.062 |
| 2) | SA Decachlor... | 10.244 | 8.872 | 13203764 | 12064470 | 12.429 | 12.331 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.674 | 4.912 | 24794820 | 17680762 | 478.192 | 491.781 |
| 4) | L1 AR-1016-2 | 5.695 | 4.931 | 39162671 | 26388020 | 547.386 | 507.787 |
| 5) | L1 AR-1016-3 | 5.758 | 5.108 | 22212027 | 14320046 | 487.770 | 503.281 |
| 6) | L1 AR-1016-4 | 5.855 | 5.149 | 19635645 | 12449330 | 502.991 | 556.024 |
| 7) | L1 AR-1016-5 | 6.148 | 5.365 | 18157541 | 16015757 | 524.451 | 538.909 |
| 21) | L5 AR-1248-1 | 5.674 | 4.912 | 24794820 | 17680762 | 725.930 | 753.157 |
| 22) | L5 AR-1248-2 | 5.945 | 5.149 | 17587545 | 12449330 | 414.339 | 397.698 |
| 23) | L5 AR-1248-3 | 6.148 | 5.192 | 18157541 | 14532943 | 393.458 | 458.141 |
| 24) | L5 AR-1248-4 | 6.545 | 5.365 | 6952399 | 16015757 | 119.887 | 410.943 # |
| 25) | L5 AR-1248-5 | 6.586 | 5.758 | 9724289 | 6552343 | 181.128 | 172.038 |
| 31) | L7 AR-1260-1 | 7.267 | 6.401 | 28662886 | 24037709 | 487.977 | 482.836 |
| 32) | L7 AR-1260-2 | 7.520 | 6.589 | 38531415 | 28889389 | 469.649 | 437.139 |
| 33) | L7 AR-1260-3 | 7.878 | 6.743 | 25381039 | 25509828 | 385.978 | 445.997 |
| 34) | L7 AR-1260-4 | 8.102 | 7.215 | 27406089 | 18975112 | 419.420m | 370.872 |
| 35) | L7 AR-1260-5 | 8.424 | 7.456 | 53608365 | 47129893 | 392.225 | 365.957 |

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

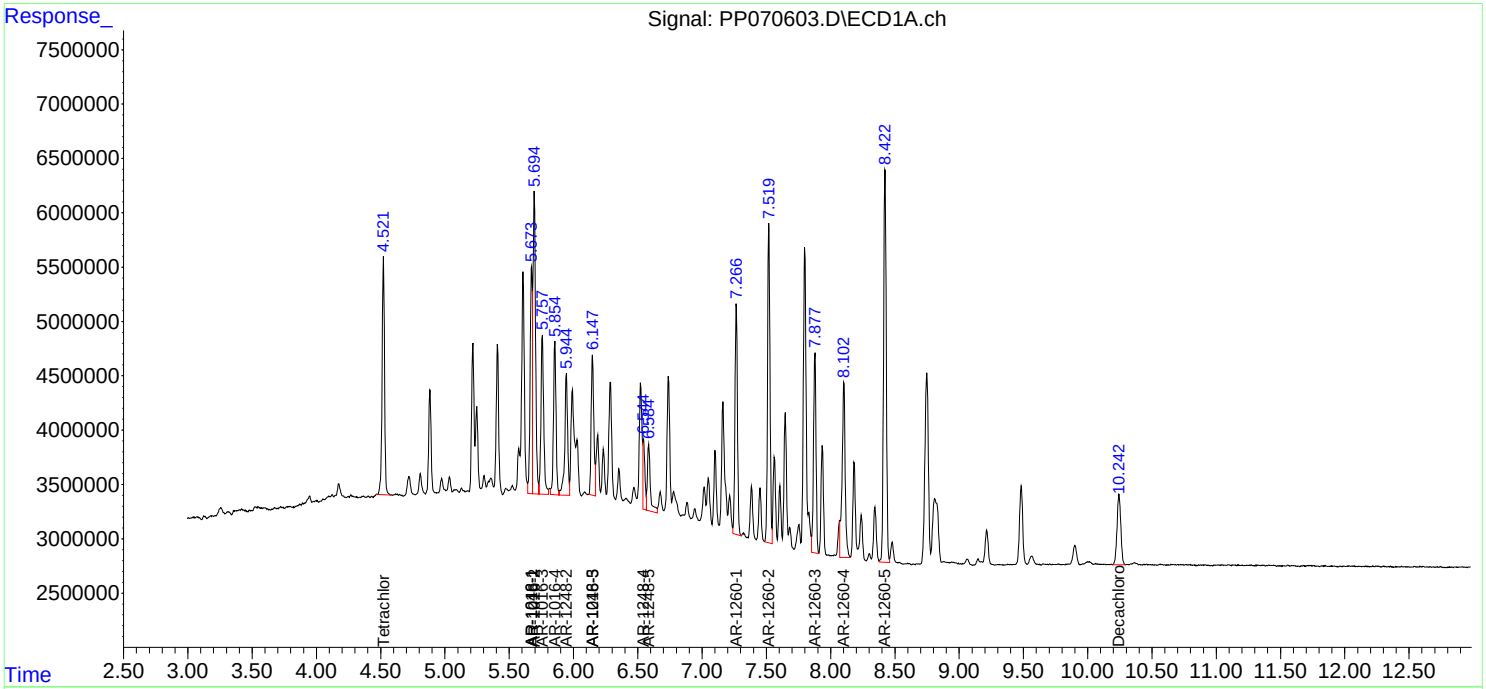
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031725\
Data File : PP070603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 17:48
Operator : YP\AJ
Sample : Q1573-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

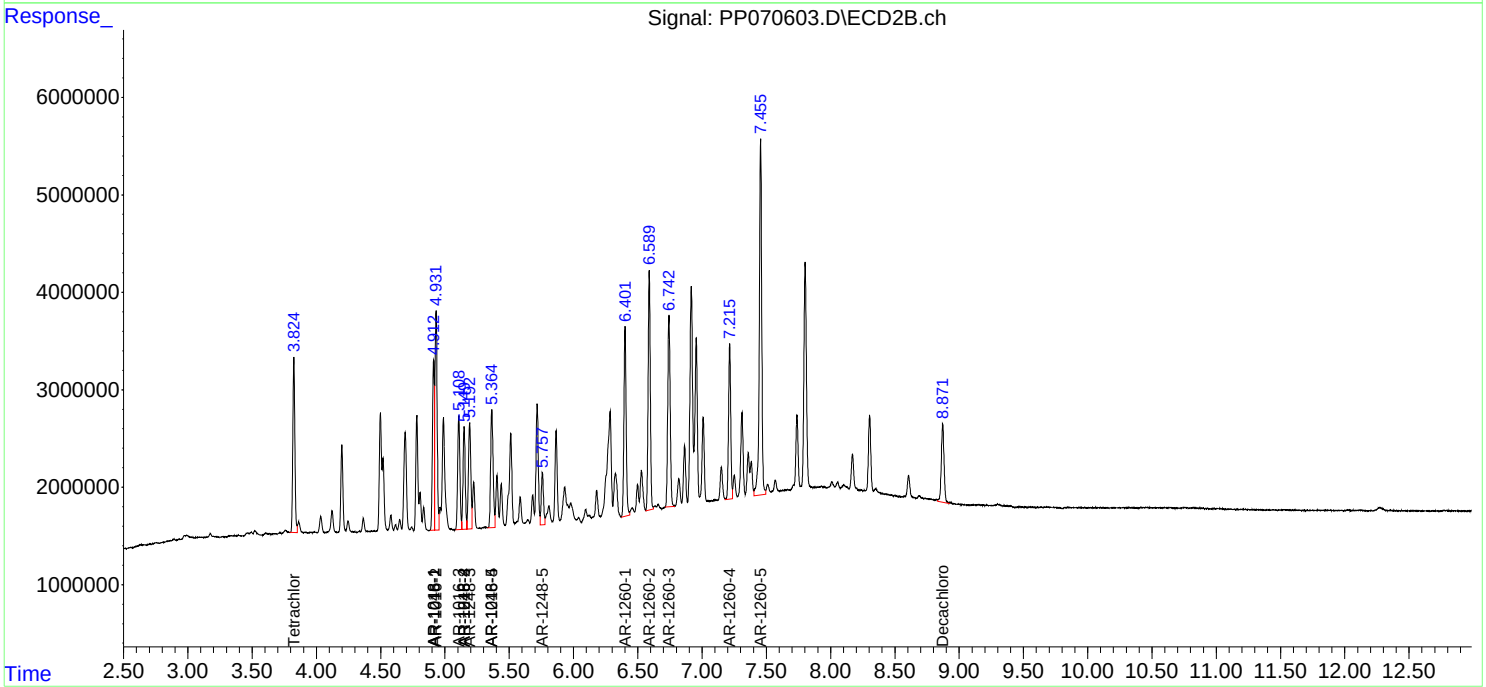
**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

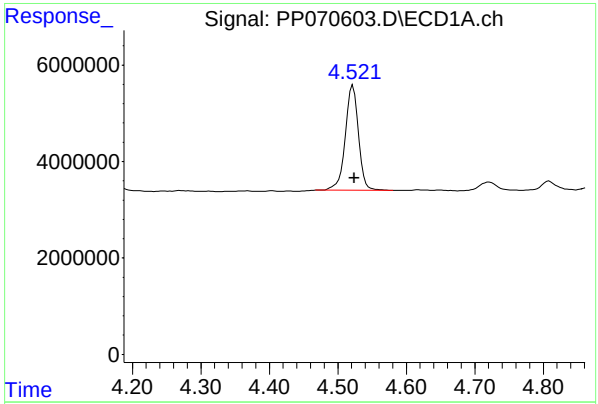
**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:42:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 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





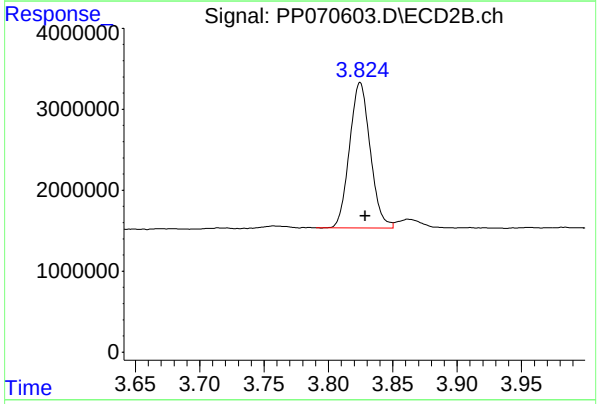

#1 Tetrachloro-m-xylene

R.T.: 4.522 min
Delta R.T.: -0.002 min
Response: 29051323
Conc: 18.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

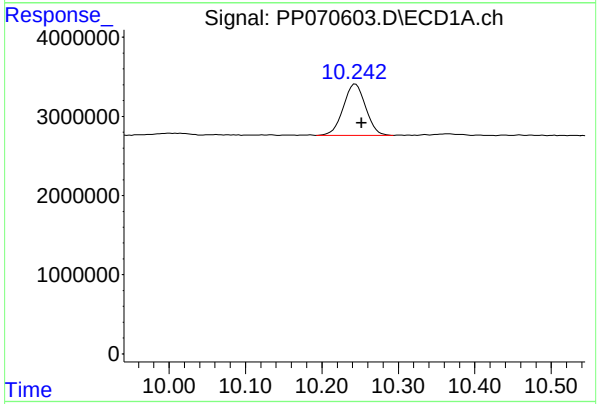
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



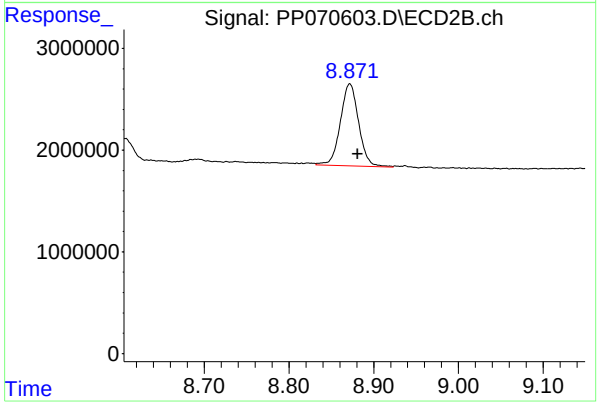

#1 Tetrachloro-m-xylene

R.T.: 3.825 min
Delta R.T.: -0.004 min
Response: 20107339
Conc: 20.06 ng/ml



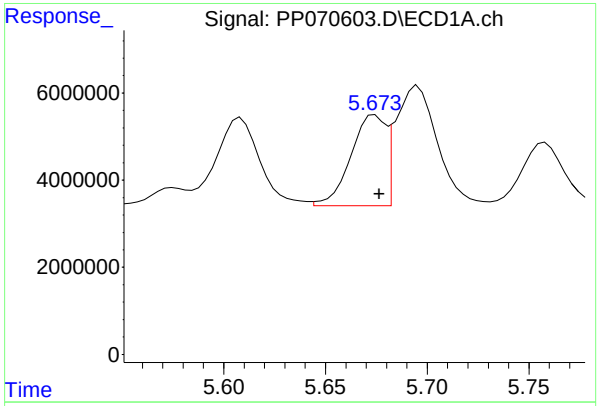

#2 Decachlorobiphenyl

R.T.: 10.244 min
Delta R.T.: -0.008 min
Response: 13203764
Conc: 12.43 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.872 min
Delta R.T.: -0.009 min
Response: 12064470
Conc: 12.33 ng/ml



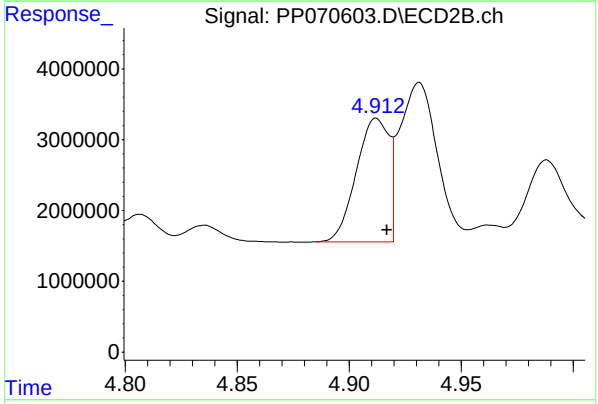

#3 AR-1016-1

R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24794820
Conc: 478.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

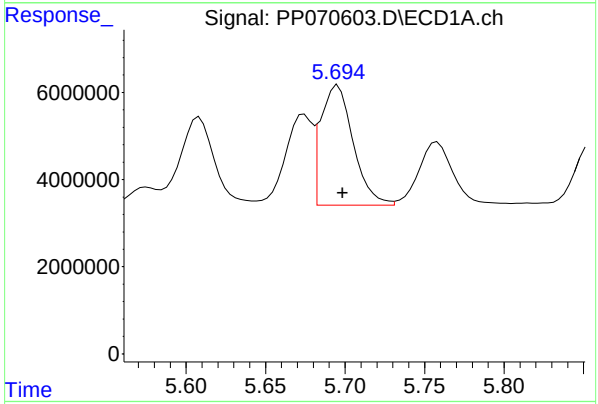
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



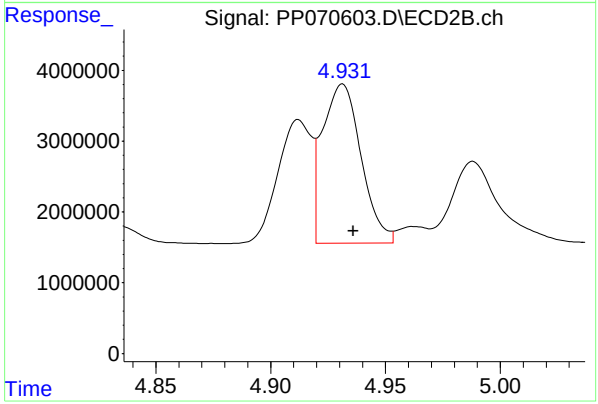

#3 AR-1016-1

R.T.: 4.912 min
Delta R.T.: -0.005 min
Response: 17680762
Conc: 491.78 ng/ml



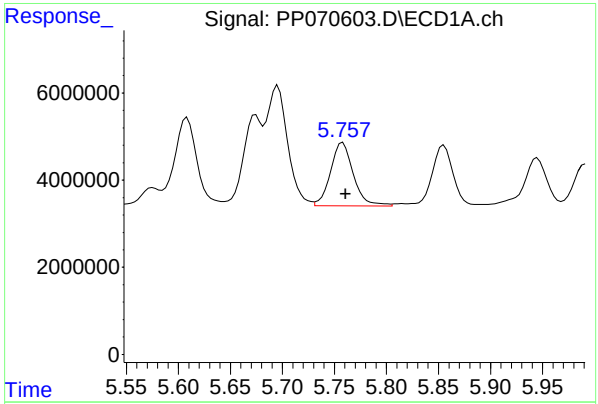

#4 AR-1016-2

R.T.: 5.695 min
Delta R.T.: -0.003 min
Response: 39162671
Conc: 547.39 ng/ml




#4 AR-1016-2

R.T.: 4.931 min
Delta R.T.: -0.005 min
Response: 26388020
Conc: 507.79 ng/ml



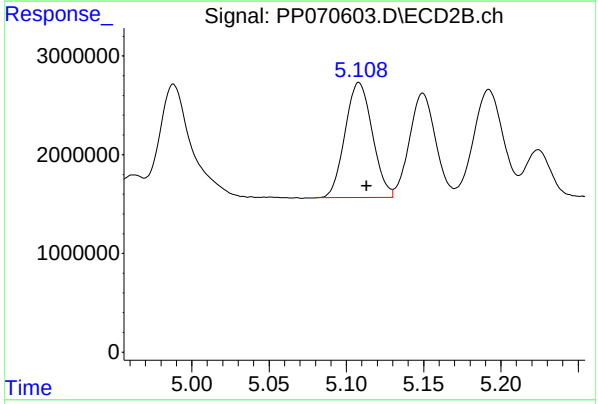

#5 AR-1016-3

R.T.: 5.758 min
Delta R.T.: -0.003 min
Response: 22212027
Conc: 487.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

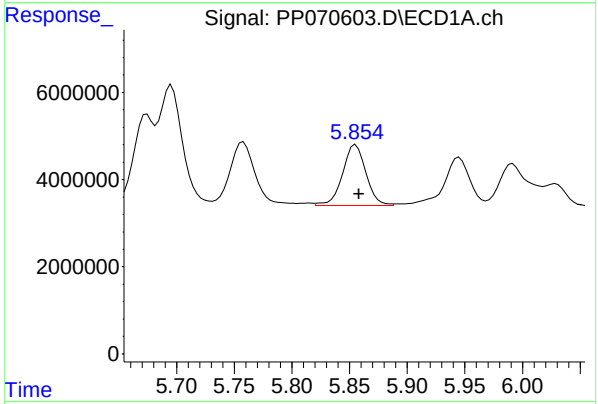
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



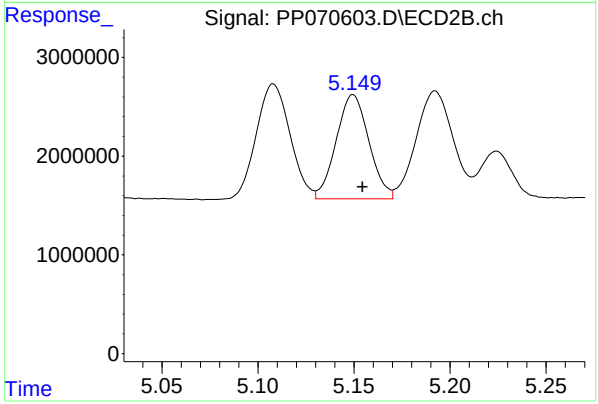

#5 AR-1016-3

R.T.: 5.108 min
Delta R.T.: -0.005 min
Response: 14320046
Conc: 503.28 ng/ml



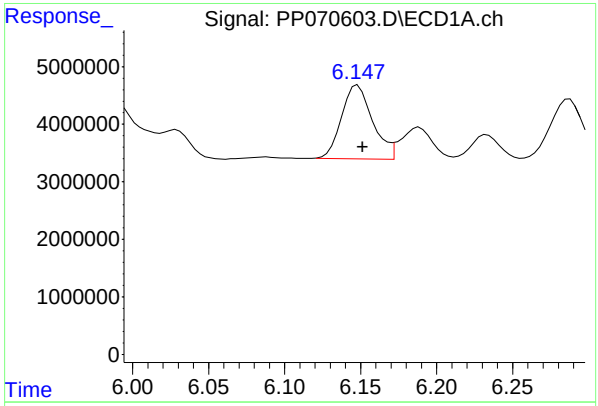

#6 AR-1016-4

R.T.: 5.855 min
Delta R.T.: -0.003 min
Response: 19635645
Conc: 502.99 ng/ml




#6 AR-1016-4

R.T.: 5.149 min
Delta R.T.: -0.005 min
Response: 12449330
Conc: 556.02 ng/ml



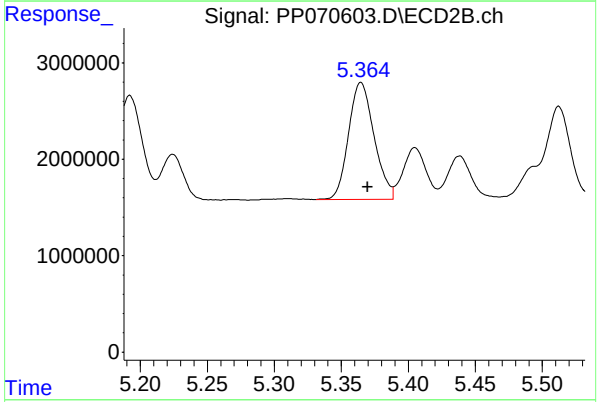

#7 AR-1016-5

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 18157541
Conc: 524.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

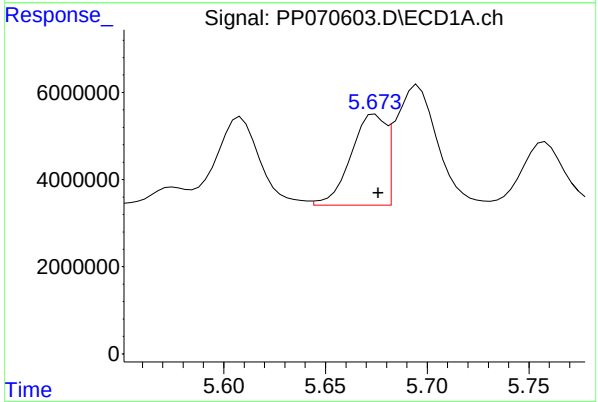
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



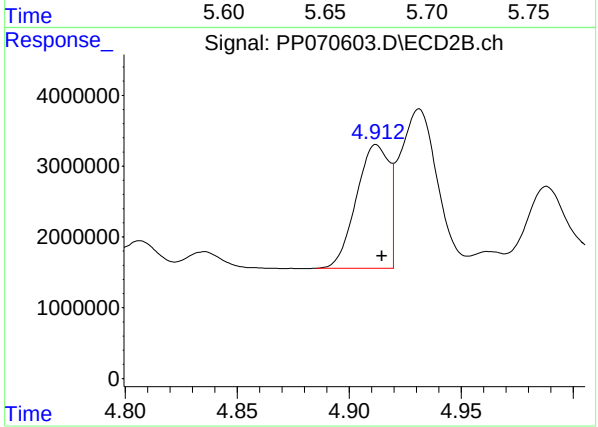

#7 AR-1016-5

R.T.: 5.365 min
Delta R.T.: -0.005 min
Response: 16015757
Conc: 538.91 ng/ml



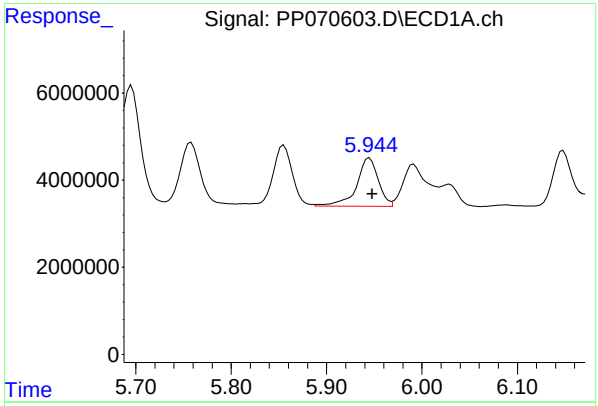

#21 AR-1248-1

R.T.: 5.674 min
Delta R.T.: -0.002 min
Response: 24794820
Conc: 725.93 ng/ml




#21 AR-1248-1

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 17680762
Conc: 753.16 ng/ml



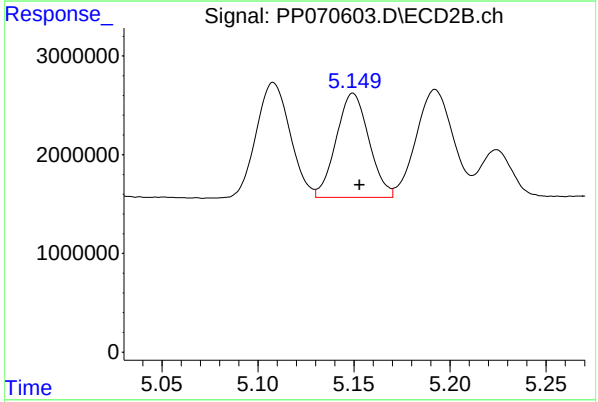

#22 AR-1248-2

R.T.: 5.945 min
Delta R.T.: -0.003 min
Response: 17587545
Conc: 414.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

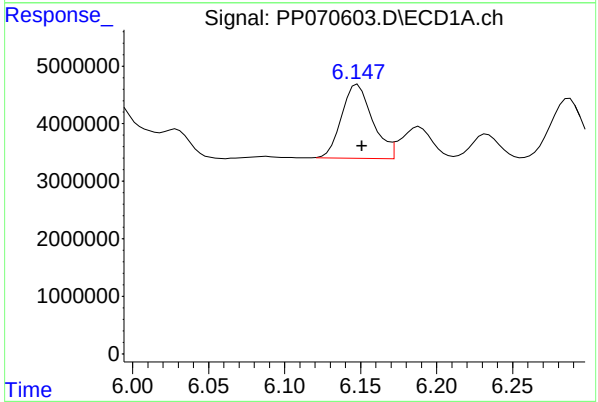
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



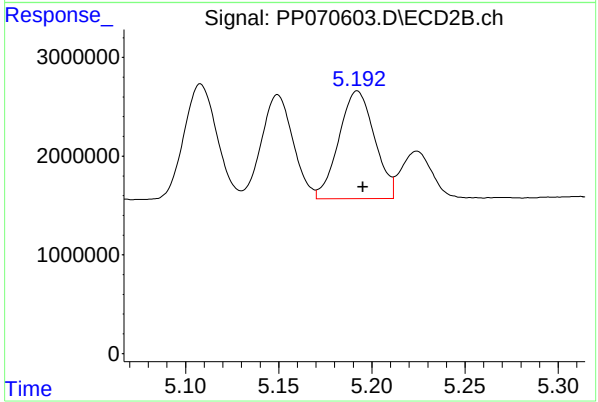

#22 AR-1248-2

R.T.: 5.149 min
Delta R.T.: -0.003 min
Response: 12449330
Conc: 397.70 ng/ml



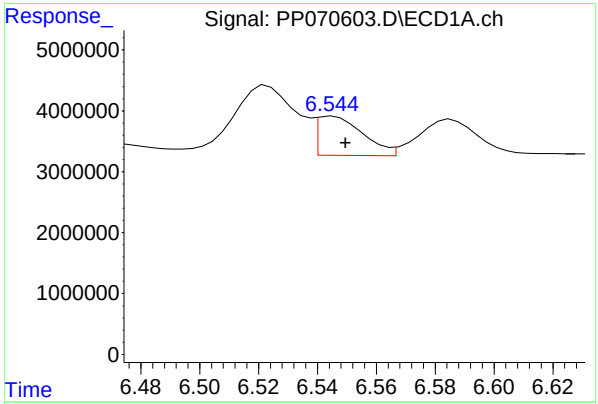

#23 AR-1248-3

R.T.: 6.148 min
Delta R.T.: -0.003 min
Response: 18157541
Conc: 393.46 ng/ml




#23 AR-1248-3

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 14532943
Conc: 458.14 ng/ml



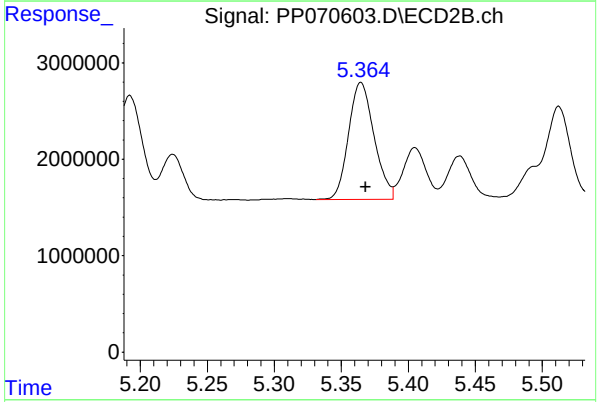

#24 AR-1248-4

R.T.: 6.545 min
Delta R.T.: -0.004 min
Response: 6952399
Conc: 119.89 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

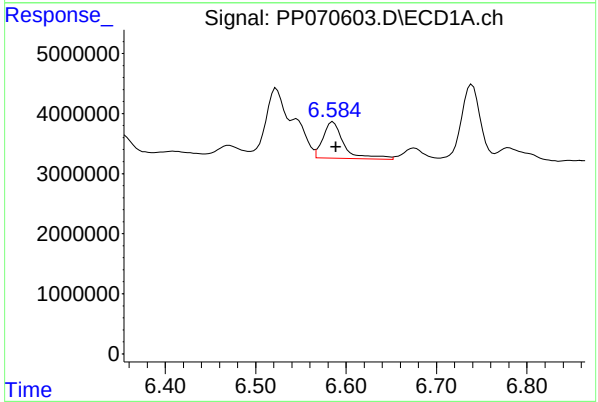
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



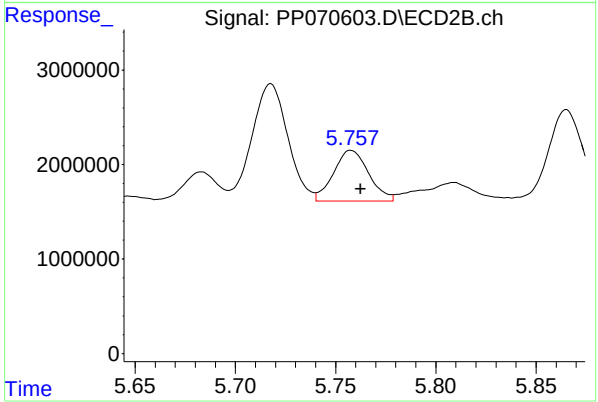

#24 AR-1248-4

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 16015757
Conc: 410.94 ng/ml



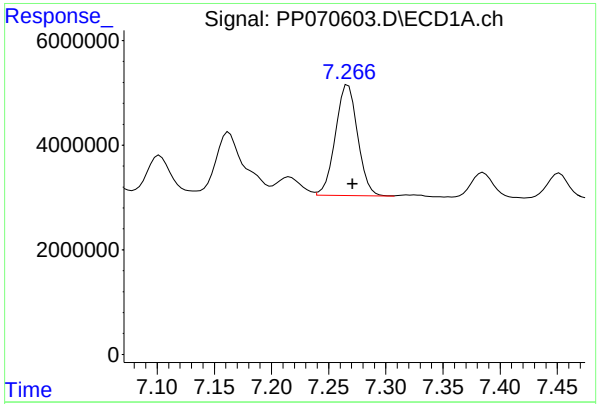

#25 AR-1248-5

R.T.: 6.586 min
Delta R.T.: -0.003 min
Response: 9724289
Conc: 181.13 ng/ml




#25 AR-1248-5

R.T.: 5.758 min
Delta R.T.: -0.005 min
Response: 6552343
Conc: 172.04 ng/ml



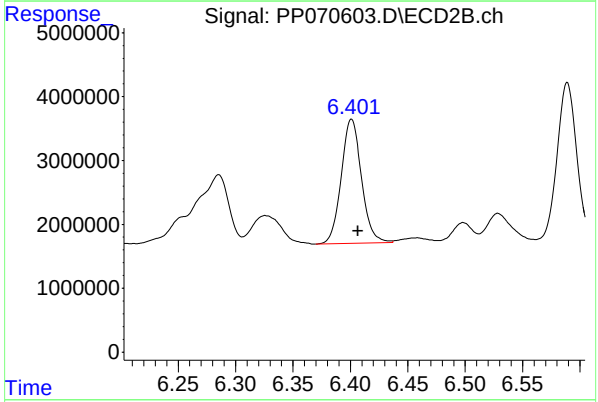

#31 AR-1260-1

R.T.: 7.267 min
Delta R.T.: -0.004 min
Response: 28662886
Conc: 487.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

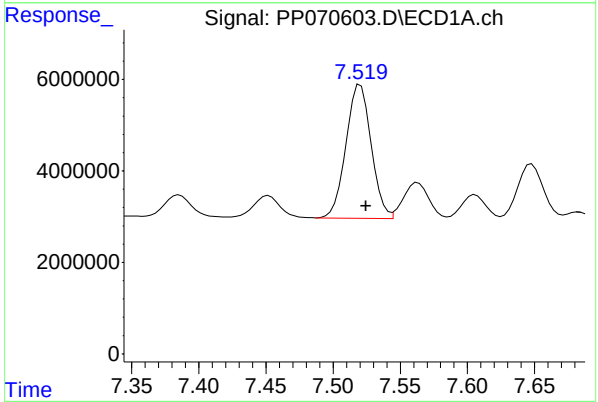
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



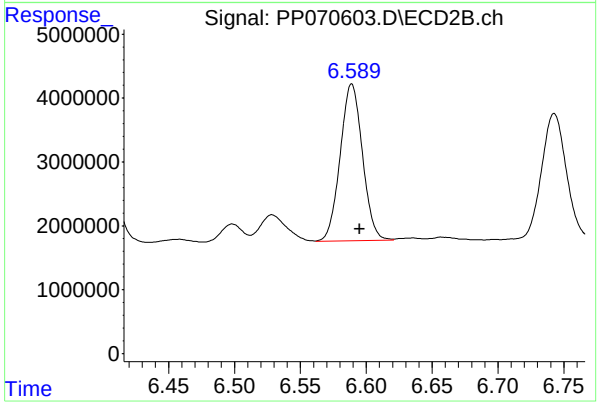

#31 AR-1260-1

R.T.: 6.401 min
Delta R.T.: -0.006 min
Response: 24037709
Conc: 482.84 ng/ml



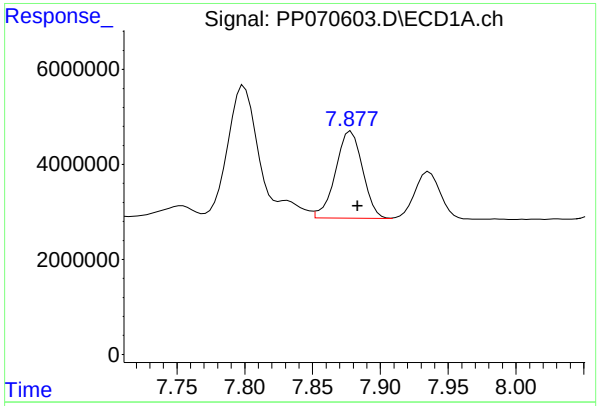

#32 AR-1260-2

R.T.: 7.520 min
Delta R.T.: -0.004 min
Response: 38531415
Conc: 469.65 ng/ml




#32 AR-1260-2

R.T.: 6.589 min
Delta R.T.: -0.006 min
Response: 28889389
Conc: 437.14 ng/ml



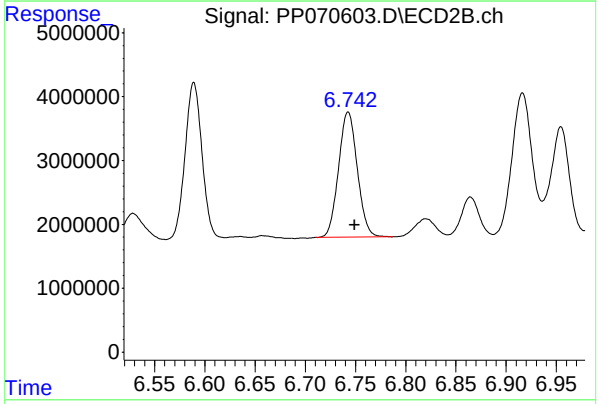

#33 AR-1260-3

R.T.: 7.878 min
Delta R.T.: -0.005 mi
Response: 25381039
Conc: 385.98 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

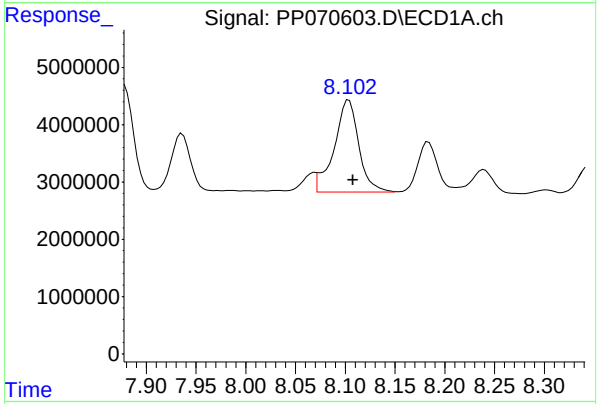
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



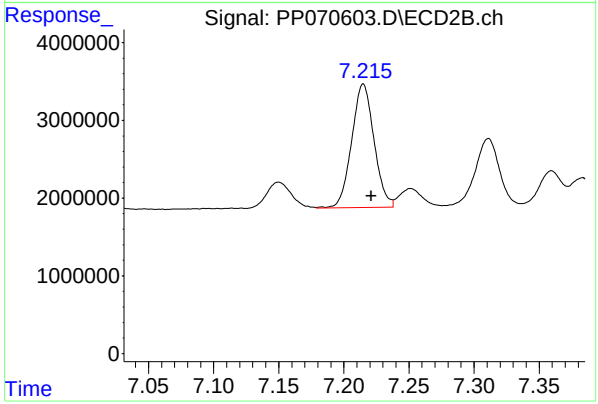

#33 AR-1260-3

R.T.: 6.743 min
Delta R.T.: -0.006 min
Response: 25509828
Conc: 446.00 ng/ml



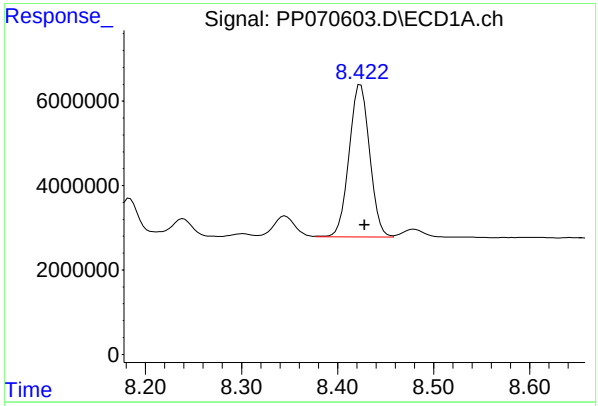

#34 AR-1260-4

R.T.: 8.102 min
Delta R.T.: -0.006 min
Response: 27406089
Conc: 419.42 ng/ml m




#34 AR-1260-4

R.T.: 7.215 min
Delta R.T.: -0.006 min
Response: 18975112
Conc: 370.87 ng/ml



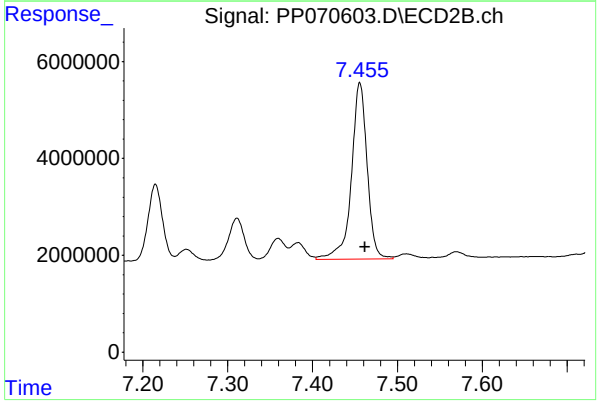

#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: -0.005 min
Response: 53608365
Conc: 392.22 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
C0AC4MSD

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025




#35 AR-1260-5

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 47129893
Conc: 365.96 ng/ml

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# Manual Integration Report

| Sequence: | pp031125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PP070422.D | Decachlorobiphenyl #2 | yogesh | 3/12/2025 7:57:06 AM | Ankita | 3/12/2025 10:45:04 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-1 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-2 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-3 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-4 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1260-4 #2 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1260-5 #2 | yogesh | 3/12/2025 7:57:07 AM | Ankita | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1232ICC250 | PP070428.D | AR-1232-5 | yogesh | 3/12/2025 7:57:09 AM | Ankita | 3/12/2025 10:45:07 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-1 #2 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-2 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-2 #2 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-3 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-4 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp031125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1232ICC050 | PP070429.D | AR-1232-5 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-5 #2 | yogesh | 3/19/2025 6:21:09 AM | mohammad | 3/19/2025 6:54:14 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-1 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-1 #2 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-2 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-2 #2 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-3 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-4 | yogesh | 3/12/2025 7:57:12 AM | Ankita | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1248ICC050 | PP070439.D | AR-1248-1 | yogesh | 3/12/2025 7:57:14 AM | Ankita | 3/12/2025 10:45:19 | Peak Integrated by Software |
| AR1248ICC050 | PP070439.D | AR-1248-2 | yogesh | 3/12/2025 7:57:14 AM | Ankita | 3/12/2025 10:45:19 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-1 #2 | yogesh | 3/12/2025 7:57:15 AM | Ankita | 3/12/2025 10:45:21 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-2 #2 | yogesh | 3/12/2025 7:57:15 AM | Ankita | 3/12/2025 10:45:21 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-3 #2 | yogesh | 3/12/2025 7:57:15 AM | Ankita | 3/12/2025 10:45:21 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp031125 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242CCC500 | PP070465.D | AR-1242-5 | yogesh | 3/12/2025 7:57:17 AM | Ankita | 3/12/2025 10:45:22 | Peak Integrated by Software |
| AR1242CCC500 | PP070465.D | AR-1242-5 #2 | yogesh | 3/12/2025 7:57:17 AM | Ankita | 3/12/2025 10:45:22 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1573-01 | PP070601.D | AR-1248-1 | yogesh | 3/18/2025 8:01:33 AM | mohammad | 3/19/2025 6:45:56 | Peak Integrated by Software |
| Q1573-01 | PP070601.D | AR-1248-1 #2 | yogesh | 3/18/2025 8:01:33 AM | mohammad | 3/19/2025 6:45:56 | Peak Integrated by Software |
| Q1573-01 | PP070601.D | AR-1260-4 | yogesh | 3/18/2025 8:01:33 AM | mohammad | 3/19/2025 6:45:56 | Peak Integrated by Software |
| Q1573-01MS | PP070602.D | AR-1016-1 | yogesh | 3/18/2025 8:01:34 AM | mohammad | 3/19/2025 6:46:01 | Peak Integrated by Software |
| Q1573-01MS | PP070602.D | AR-1016-2 | yogesh | 3/18/2025 8:01:34 AM | mohammad | 3/19/2025 6:46:01 | Peak Integrated by Software |
| Q1573-01MS | PP070602.D | AR-1248-1 | yogesh | 3/18/2025 8:01:34 AM | mohammad | 3/19/2025 6:46:01 | Peak Integrated by Software |
| Q1573-01MS | PP070602.D | AR-1260-4 | yogesh | 3/18/2025 8:01:34 AM | mohammad | 3/19/2025 6:46:01 | Peak Integrated by Software |
| Q1573-01MSD | PP070603.D | AR-1260-4 | yogesh | 3/18/2025 8:01:36 AM | mohammad | 3/19/2025 6:46:04 | Peak Integrated by Software |
| Q1573-02 | PP070609.D | AR-1248-1 | yogesh | 3/18/2025 10:23:24 AM | mohammad | 3/19/2025 6:46:07 | Peak Integrated by Software |
| Q1573-02 | PP070609.D | AR-1248-1 #2 | yogesh | 3/18/2025 10:23:24 AM | mohammad | 3/19/2025 6:46:07 | Peak Integrated by Software |
| Q1573-02 | PP070609.D | Decachlorobiphenyl #2 | yogesh | 3/18/2025 10:23:24 AM | mohammad | 3/19/2025 6:46:07 | Peak Integrated by Software |
| Q1573-04 | PP070611.D | AR-1248-1 | yogesh | 3/18/2025 10:23:26 AM | mohammad | 3/19/2025 6:46:13 | Peak Integrated by Software |
| Q1573-04 | PP070611.D | AR-1248-1 #2 | yogesh | 3/18/2025 10:23:26 AM | mohammad | 3/19/2025 6:46:13 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1573-05 | PP070612.D | AR-1260-1 | yogesh | 3/18/2025 10:23:27 AM | mohammad | 3/19/2025 6:46:16 | Peak Integrated by Software |
| Q1573-05 | PP070612.D | AR-1260-1 #2 | yogesh | 3/18/2025 10:23:27 AM | mohammad | 3/19/2025 6:46:16 | Peak Integrated by Software |
| Q1573-05 | PP070612.D | AR-1260-2 #2 | yogesh | 3/18/2025 10:23:27 AM | mohammad | 3/19/2025 6:46:16 | Peak Integrated by Software |
| Q1573-05 | PP070612.D | AR-1260-3 #2 | yogesh | 3/18/2025 10:23:27 AM | mohammad | 3/19/2025 6:46:16 | Peak Integrated by Software |
| Q1573-05 | PP070612.D | Tetrachloro-m-xylene | yogesh | 3/18/2025 10:23:27 AM | mohammad | 3/19/2025 6:46:16 | Peak Integrated by Software |
| Q1573-07 | PP070614.D | AR-1248-1 | yogesh | 3/18/2025 8:01:46 AM | mohammad | 3/19/2025 6:46:20 | Peak Integrated by Software |
| Q1573-07 | PP070614.D | AR-1248-1 #2 | yogesh | 3/18/2025 8:01:46 AM | mohammad | 3/19/2025 6:46:20 | Peak Integrated by Software |
| Q1573-08 | PP070615.D | AR-1248-1 | yogesh | 3/18/2025 8:01:48 AM | mohammad | 3/19/2025 6:46:23 | Peak Integrated by Software |
| Q1573-08 | PP070615.D | AR-1248-1 #2 | yogesh | 3/18/2025 8:01:48 AM | mohammad | 3/19/2025 6:46:23 | Peak Integrated by Software |
| Q1573-09 | PP070616.D | AR-1248-1 | yogesh | 3/18/2025 8:01:50 AM | mohammad | 3/19/2025 6:46:26 | Peak Integrated by Software |
| Q1573-09 | PP070616.D | AR-1248-1 #2 | yogesh | 3/18/2025 8:01:50 AM | mohammad | 3/19/2025 6:46:26 | Peak Integrated by Software |
| Q1573-09 | PP070616.D | AR-1260-4 | yogesh | 3/18/2025 8:01:50 AM | mohammad | 3/19/2025 6:46:26 | Peak Integrated by Software |
| Q1573-10 | PP070617.D | AR-1248-1 | yogesh | 3/18/2025 8:01:51 AM | mohammad | 3/19/2025 6:46:29 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1573-10 | PP070617.D | AR-1260-3 #2 | yogesh | 3/18/2025 8:01:51 AM | mohammad | 3/19/2025 6:46:29 | Peak Integrated by Software |
| PB167172BSD | PP070628.D | AR-1016-5 | yogesh | 3/18/2025 8:01:56 AM | mohammad | 3/19/2025 6:46:41 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PP070641.D | AR-1254-1 | yogesh | 3/19/2025 7:59:44 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070641.D | AR-1254-2 | yogesh | 3/19/2025 7:59:44 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070641.D | AR-1254-3 | yogesh | 3/19/2025 7:59:44 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| I.BLK | PP070642.D | Decachlorobiphenyl #2 | yogesh | 3/19/2025 7:59:46 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-03 | PP070644.D | AR-1248-1 | yogesh | 3/19/2025 7:59:47 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-03 | PP070644.D | AR-1248-1 #2 | yogesh | 3/19/2025 7:59:47 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-03 | PP070644.D | AR-1248-4 | yogesh | 3/19/2025 7:59:47 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-03 | PP070644.D | AR-1248-5 | yogesh | 3/19/2025 7:59:47 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-11 | PP070645.D | AR-1248-1 | yogesh | 3/21/2025 9:24:41 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-11 | PP070645.D | AR-1248-1 #2 | yogesh | 3/21/2025 9:24:41 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-11 | PP070645.D | AR-1248-4 | yogesh | 3/21/2025 9:24:41 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-11 | PP070645.D | AR-1248-5 | yogesh | 3/21/2025 9:24:41 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| Q1573-11 | PP070645.D | AR-1260-3 #2 | yogesh | 3/21/2025 9:24:41 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PP070647.D | AR-1016-5 #2 | yogesh | 3/19/2025 7:59:52 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1242CCC500 | PP070648.D | AR-1242-5 | yogesh | 3/19/2025 7:59:56 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-1 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-1 #2 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-2 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-2 #2 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-3 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-4 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070650.D | AR-1254-5 | yogesh | 3/19/2025 7:59:58 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1660CCC500 | PP070662.D | AR-1016-5 #2 | yogesh | 3/19/2025 8:00:08 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070665.D | AR-1254-1 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070665.D | AR-1254-1 #2 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070665.D | AR-1254-2 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP031825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PP070665.D | AR-1254-2 #2 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070665.D | AR-1254-3 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070665.D | AR-1254-4 | yogesh | 3/19/2025 8:00:10 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1242CCC500 | PP070678.D | AR-1242-5 | yogesh | 3/19/2025 8:00:16 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-1 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-1 #2 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-2 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-2 #2 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-3 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-3 #2 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-4 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |
| AR1254CCC500 | PP070680.D | AR-1254-5 | yogesh | 3/19/2025 8:00:17 AM | mohammad | 3/24/2025 3:02:25 | Peak Integrated by Software |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP070417.D | 11 Mar 2025 14:41 | YP\AJ | Ok |
| 2 | I.BLK | PP070418.D | 11 Mar 2025 14:57 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP070419.D | 11 Mar 2025 15:13 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP070420.D | 11 Mar 2025 15:29 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP070421.D | 11 Mar 2025 15:46 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP070422.D | 11 Mar 2025 16:02 | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | PP070423.D | 11 Mar 2025 16:18 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP070424.D | 11 Mar 2025 16:34 | YP\AJ | Ok |
| 9 | AR1232ICC1000 | PP070425.D | 11 Mar 2025 16:51 | YP\AJ | Ok |
| 10 | AR1232ICC750 | PP070426.D | 11 Mar 2025 17:07 | YP\AJ | Ok |
| 11 | AR1232ICC500 | PP070427.D | 11 Mar 2025 17:23 | YP\AJ | Ok |
| 12 | AR1232ICC250 | PP070428.D | 11 Mar 2025 17:40 | YP\AJ | Ok,M |
| 13 | AR1232ICC050 | PP070429.D | 11 Mar 2025 17:56 | YP\AJ | Ok,M |
| 14 | AR1242ICC1000 | PP070430.D | 11 Mar 2025 18:12 | YP\AJ | Ok |
| 15 | AR1242ICC750 | PP070431.D | 11 Mar 2025 18:28 | YP\AJ | Ok |
| 16 | AR1242ICC500 | PP070432.D | 11 Mar 2025 18:45 | YP\AJ | Ok |
| 17 | AR1242ICC250 | PP070433.D | 11 Mar 2025 19:01 | YP\AJ | Ok |
| 18 | AR1242ICC050 | PP070434.D | 11 Mar 2025 19:17 | YP\AJ | Ok,M |
| 19 | AR1248ICC1000 | PP070435.D | 11 Mar 2025 19:34 | YP\AJ | Ok |
| 20 | AR1248ICC750 | PP070436.D | 11 Mar 2025 19:50 | YP\AJ | Ok |
| 21 | AR1248ICC500 | PP070437.D | 11 Mar 2025 20:06 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1248ICC250 | PP070438.D | 11 Mar 2025 20:22 | YP\AJ | Ok |
| 23 | AR1248ICC050 | PP070439.D | 11 Mar 2025 20:39 | YP\AJ | Ok,M |
| 24 | AR1254ICC1000 | PP070440.D | 11 Mar 2025 20:55 | YP\AJ | Ok |
| 25 | AR1254ICC750 | PP070441.D | 11 Mar 2025 21:11 | YP\AJ | Ok |
| 26 | AR1254ICC500 | PP070442.D | 11 Mar 2025 21:28 | YP\AJ | Ok |
| 27 | AR1254ICC250 | PP070443.D | 11 Mar 2025 21:44 | YP\AJ | Ok |
| 28 | AR1254ICC050 | PP070444.D | 11 Mar 2025 22:00 | YP\AJ | Ok |
| 29 | AR1262ICC500 | PP070445.D | 11 Mar 2025 22:16 | YP\AJ | Ok |
| 30 | AR1268ICC1000 | PP070446.D | 11 Mar 2025 22:33 | YP\AJ | Ok |
| 31 | AR1268ICC750 | PP070447.D | 11 Mar 2025 22:49 | YP\AJ | Ok |
| 32 | AR1268ICC500 | PP070448.D | 11 Mar 2025 23:05 | YP\AJ | Ok |
| 33 | AR1268ICC250 | PP070449.D | 11 Mar 2025 23:22 | YP\AJ | Ok |
| 34 | AR1268ICC050 | PP070450.D | 11 Mar 2025 23:38 | YP\AJ | Ok,M |
| 35 | PP031125ICV500 | PP070451.D | 11 Mar 2025 23:54 | YP\AJ | Ok |
| 36 | AR1232ICV500 | PP070452.D | 12 Mar 2025 00:10 | YP\AJ | Ok |
| 37 | AR1242ICV500 | PP070453.D | 12 Mar 2025 00:27 | YP\AJ | Ok |
| 38 | AR1248ICV500 | PP070454.D | 12 Mar 2025 00:43 | YP\AJ | Ok |
| 39 | AR1254ICV500 | PP070455.D | 12 Mar 2025 00:59 | YP\AJ | Ok |
| 40 | AR1268ICV500 | PP070456.D | 12 Mar 2025 01:16 | YP\AJ | Ok |
| 41 | AR1660CCC500 | PP070457.D | 12 Mar 2025 01:32 | YP\AJ | Ok |
| 42 | AR1232CCC500 | PP070458.D | 12 Mar 2025 01:48 | YP\AJ | Ok |
| 43 | AR1242CCC500 | PP070459.D | 12 Mar 2025 02:04 | YP\AJ | Ok |
| 44 | I.BLK | PP070460.D | 12 Mar 2025 02:21 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | PB167066BL | PP070461.D | 12 Mar 2025 02:37 | YP\AJ | Not Ok |
| 46 | Q1502-15 | PP070462.D | 12 Mar 2025 02:53 | YP\AJ | Ok |
| 47 | AR1660CCC500 | PP070463.D | 12 Mar 2025 03:09 | YP\AJ | Ok |
| 48 | AR1232CCC500 | PP070464.D | 12 Mar 2025 03:26 | YP\AJ | Ok |
| 49 | AR1242CCC500 | PP070465.D | 12 Mar 2025 03:42 | YP\AJ | Ok,M |
| 50 | I.BLK | PP070466.D | 12 Mar 2025 03:58 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP070573.D | 17 Mar 2025 08:51 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP070574.D | 17 Mar 2025 09:08 | YP\AJ | Ok |
| 3 | AR1242CCC500 | PP070575.D | 17 Mar 2025 09:25 | YP\AJ | Ok |
| 4 | AR1248CCC500 | PP070576.D | 17 Mar 2025 09:41 | YP\AJ | Ok |
| 5 | AR1254CCC500 | PP070577.D | 17 Mar 2025 09:57 | YP\AJ | Ok |
| 6 | I.BLK | PP070578.D | 17 Mar 2025 10:13 | YP\AJ | Ok |
| 7 | Q1572-01DL | PP070579.D | 17 Mar 2025 10:30 | YP\AJ | Dilution |
| 8 | Q1572-01DL2 | PP070580.D | 17 Mar 2025 10:46 | YP\AJ | Ok |
| 9 | Q1572-02DL | PP070581.D | 17 Mar 2025 11:02 | YP\AJ | Dilution |
| 10 | Q1572-02DL2 | PP070582.D | 17 Mar 2025 11:18 | YP\AJ | Ok |
| 11 | Q1572-03DL | PP070583.D | 17 Mar 2025 11:35 | YP\AJ | Dilution |
| 12 | Q1572-03DL2 | PP070584.D | 17 Mar 2025 11:51 | YP\AJ | Ok |
| 13 | Q1572-04DL | PP070585.D | 17 Mar 2025 12:07 | YP\AJ | Dilution |
| 14 | Q1572-04DL2 | PP070586.D | 17 Mar 2025 12:23 | YP\AJ | Ok,NR |
| 15 | Q1572-05DL | PP070587.D | 17 Mar 2025 12:40 | YP\AJ | Dilution |
| 16 | Q1572-05DL2 | PP070588.D | 17 Mar 2025 12:56 | YP\AJ | Ok,M |
| 17 | AR1660CCC500 | PP070589.D | 17 Mar 2025 14:00 | YP\AJ | Ok |
| 18 | AR1242CCC500 | PP070590.D | 17 Mar 2025 14:17 | YP\AJ | Ok |
| 19 | AR1248CCC500 | PP070591.D | 17 Mar 2025 14:33 | YP\AJ | Ok |
| 20 | AR1254CCC500 | PP070592.D | 17 Mar 2025 14:49 | YP\AJ | Ok |
| 21 | I.BLK | PP070593.D | 17 Mar 2025 15:05 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB167154BL | PP070594.D | 17 Mar 2025 15:22 | YP\AJ | Ok |
| 23 | PB167154BS | PP070595.D | 17 Mar 2025 15:38 | YP\AJ | Ok |
| 24 | Q1572-07DL | PP070596.D | 17 Mar 2025 15:54 | YP\AJ | Ok,M |
| 25 | Q1572-06DL | PP070597.D | 17 Mar 2025 16:10 | YP\AJ | Dilution |
| 26 | Q1572-06DL2 | PP070598.D | 17 Mar 2025 16:27 | YP\AJ | Not Ok |
| 27 | Q1572-08DL | PP070599.D | 17 Mar 2025 16:43 | YP\AJ | Ok,M |
| 28 | Q1572-09DL | PP070600.D | 17 Mar 2025 16:59 | YP\AJ | Ok |
| 29 | Q1573-01 | PP070601.D | 17 Mar 2025 17:15 | YP\AJ | Ok,M |
| 30 | Q1573-01MS | PP070602.D | 17 Mar 2025 17:32 | YP\AJ | Ok,M |
| 31 | Q1573-01MSD | PP070603.D | 17 Mar 2025 17:48 | YP\AJ | Ok,M |
| 32 | AR1660CCC500 | PP070604.D | 17 Mar 2025 18:37 | YP\AJ | Ok |
| 33 | AR1242CCC500 | PP070605.D | 17 Mar 2025 18:53 | YP\AJ | Ok |
| 34 | AR1248CCC500 | PP070606.D | 17 Mar 2025 19:09 | YP\AJ | Ok |
| 35 | AR1254CCC500 | PP070607.D | 17 Mar 2025 19:25 | YP\AJ | Ok |
| 36 | I.BLK | PP070608.D | 17 Mar 2025 19:42 | YP\AJ | Ok |
| 37 | Q1573-02 | PP070609.D | 17 Mar 2025 19:58 | YP\AJ | Ok,M |
| 38 | Q1573-03 | PP070610.D | 17 Mar 2025 20:14 | YP\AJ | ReRun |
| 39 | Q1573-04 | PP070611.D | 17 Mar 2025 20:30 | YP\AJ | Ok,M |
| 40 | Q1573-05 | PP070612.D | 17 Mar 2025 20:47 | YP\AJ | Ok,M |
| 41 | Q1573-06 | PP070613.D | 17 Mar 2025 21:03 | YP\AJ | Ok |
| 42 | Q1573-07 | PP070614.D | 17 Mar 2025 21:19 | YP\AJ | Ok,M |
| 43 | Q1573-08 | PP070615.D | 17 Mar 2025 21:35 | YP\AJ | Ok,M |
| 44 | Q1573-09 | PP070616.D | 17 Mar 2025 21:52 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | Q1573-10 | PP070617.D | 17 Mar 2025 22:08 | YP\AJ | Ok,M |
| 46 | Q1573-11 | PP070618.D | 17 Mar 2025 22:24 | YP\AJ | ReRun |
| 47 | AR1660CCC500 | PP070619.D | 17 Mar 2025 23:13 | YP\AJ | Ok |
| 48 | AR1242CCC500 | PP070620.D | 17 Mar 2025 23:29 | YP\AJ | Ok |
| 49 | AR1248CCC500 | PP070621.D | 17 Mar 2025 23:45 | YP\AJ | Ok |
| 50 | AR1254CCC500 | PP070622.D | 18 Mar 2025 00:02 | YP\AJ | Ok |
| 51 | I.BLK | PP070623.D | 18 Mar 2025 00:18 | YP\AJ | Ok |
| 52 | Q1581-01 | PP070624.D | 18 Mar 2025 00:34 | YP\AJ | Ok |
| 53 | Q1585-01 | PP070625.D | 18 Mar 2025 00:50 | YP\AJ | Ok,M |
| 54 | PB167172BL | PP070626.D | 18 Mar 2025 01:06 | YP\AJ | Ok |
| 55 | PB167172BS | PP070627.D | 18 Mar 2025 01:23 | YP\AJ | Ok |
| 56 | PB167172BSD | PP070628.D | 18 Mar 2025 01:39 | YP\AJ | Ok,M |
| 57 | Q1573-12 | PP070629.D | 18 Mar 2025 01:55 | YP\AJ | Ok |
| 58 | Q1573-13 | PP070630.D | 18 Mar 2025 02:11 | YP\AJ | Ok |
| 59 | Q1577-03 | PP070631.D | 18 Mar 2025 02:28 | YP\AJ | Ok,M |
| 60 | AR1660CCC500 | PP070632.D | 18 Mar 2025 03:16 | YP\AJ | Ok |
| 61 | AR1242CCC500 | PP070633.D | 18 Mar 2025 03:32 | YP\AJ | Ok |
| 62 | AR1248CCC500 | PP070634.D | 18 Mar 2025 03:49 | YP\AJ | Ok |
| 63 | AR1254CCC500 | PP070635.D | 18 Mar 2025 04:05 | YP\AJ | Ok |
| 64 | I.BLK | PP070636.D | 18 Mar 2025 04:21 | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP070637.D | 18 Mar 2025 07:48 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP070638.D | 18 Mar 2025 08:04 | YP\AJ | Ok |
| 3 | AR1242CCC500 | PP070639.D | 18 Mar 2025 08:21 | YP\AJ | Ok |
| 4 | AR1248CCC500 | PP070640.D | 18 Mar 2025 08:37 | YP\AJ | Ok |
| 5 | AR1254CCC500 | PP070641.D | 18 Mar 2025 08:53 | YP\AJ | Ok,M |
| 6 | I.BLK | PP070642.D | 18 Mar 2025 09:10 | YP\AJ | Ok,M |
| 7 | PP24328 | PP070643.D | 18 Mar 2025 09:26 | YP\AJ | Ok |
| 8 | Q1573-03 | PP070644.D | 18 Mar 2025 09:42 | YP\AJ | Ok,M |
| 9 | Q1573-11 | PP070645.D | 18 Mar 2025 10:14 | YP\AJ | Ok,M |
| 10 | Q1572-06DL2 | PP070646.D | 18 Mar 2025 10:31 | YP\AJ | Ok,M |
| 11 | AR1660CCC500 | PP070647.D | 18 Mar 2025 11:19 | YP\AJ | Ok,M |
| 12 | AR1242CCC500 | PP070648.D | 18 Mar 2025 11:36 | YP\AJ | Ok,M |
| 13 | AR1248CCC500 | PP070649.D | 18 Mar 2025 11:52 | YP\AJ | Ok |
| 14 | AR1254CCC500 | PP070650.D | 18 Mar 2025 12:08 | YP\AJ | Ok,M |
| 15 | I.BLK | PP070651.D | 18 Mar 2025 12:24 | YP\AJ | Ok |
| 16 | PB167186BL | PP070652.D | 18 Mar 2025 15:02 | YP\AJ | Ok |
| 17 | PB167186BS | PP070653.D | 18 Mar 2025 15:18 | YP\AJ | Ok |
| 18 | Q1591-02 | PP070654.D | 18 Mar 2025 15:35 | YP\AJ | Ok,M |
| 19 | Q1591-03 | PP070655.D | 18 Mar 2025 15:51 | YP\AJ | Ok |
| 20 | Q1591-03MS | PP070656.D | 18 Mar 2025 16:07 | YP\AJ | Ok,M |
| 21 | Q1591-03MSD | PP070657.D | 18 Mar 2025 16:23 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1592-01 | PP070658.D | 18 Mar 2025 16:40 | YP\AJ | Ok |
| 23 | Q1590-01 | PP070659.D | 18 Mar 2025 16:56 | YP\AJ | Ok |
| 24 | Q1590-02 | PP070660.D | 18 Mar 2025 17:12 | YP\AJ | Ok,M |
| 25 | Q1591-01 | PP070661.D | 18 Mar 2025 17:28 | YP\AJ | Ok,M |
| 26 | AR1660CCC500 | PP070662.D | 18 Mar 2025 18:17 | YP\AJ | Ok,M |
| 27 | AR1242CCC500 | PP070663.D | 18 Mar 2025 18:34 | YP\AJ | Ok |
| 28 | AR1248CCC500 | PP070664.D | 18 Mar 2025 18:50 | YP\AJ | Ok |
| 29 | AR1254CCC500 | PP070665.D | 18 Mar 2025 19:06 | YP\AJ | Ok,M |
| 30 | I.BLK | PP070666.D | 18 Mar 2025 19:22 | YP\AJ | Ok |
| 31 | PB167184BL | PP070667.D | 18 Mar 2025 19:39 | YP\AJ | Ok |
| 32 | PB167184BS | PP070668.D | 18 Mar 2025 19:55 | YP\AJ | Ok |
| 33 | PB167184BSD | PP070669.D | 18 Mar 2025 20:11 | YP\AJ | Ok |
| 34 | Q1591-04 | PP070670.D | 18 Mar 2025 20:27 | YP\AJ | Ok |
| 35 | Q1591-05 | PP070671.D | 18 Mar 2025 20:44 | YP\AJ | Ok,M |
| 36 | Q1591-06 | PP070672.D | 18 Mar 2025 21:00 | YP\AJ | Ok,M |
| 37 | Q1592-03 | PP070673.D | 18 Mar 2025 21:16 | YP\AJ | Ok,M |
| 38 | Q1593-01 | PP070674.D | 18 Mar 2025 21:32 | YP\AJ | Ok |
| 39 | Q1594-01 | PP070675.D | 18 Mar 2025 21:49 | YP\AJ | Ok |
| 40 | Q1590-04 | PP070676.D | 18 Mar 2025 22:05 | YP\AJ | Ok,M |
| 41 | AR1660CCC500 | PP070677.D | 18 Mar 2025 22:54 | YP\AJ | Ok |
| 42 | AR1242CCC500 | PP070678.D | 18 Mar 2025 23:10 | YP\AJ | Ok,M |
| 43 | AR1248CCC500 | PP070679.D | 18 Mar 2025 23:26 | YP\AJ | Ok |
| 44 | AR1254CCC500 | PP070680.D | 18 Mar 2025 23:42 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | I.BLK | PP070681.D | 18 Mar 2025 23:59 | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP070417.D | 11 Mar 2025 14:41 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP070418.D | 11 Mar 2025 14:57 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP070419.D | 11 Mar 2025 15:13 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP070420.D | 11 Mar 2025 15:29 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP070421.D | 11 Mar 2025 15:46 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP070422.D | 11 Mar 2025 16:02 | | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PP070423.D | 11 Mar 2025 16:18 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP070424.D | 11 Mar 2025 16:34 | | YP\AJ | Ok |
| 9 | AR1232ICC1000 | AR1232ICC1000 | PP070425.D | 11 Mar 2025 16:51 | | YP\AJ | Ok |
| 10 | AR1232ICC750 | AR1232ICC750 | PP070426.D | 11 Mar 2025 17:07 | | YP\AJ | Ok |
| 11 | AR1232ICC500 | AR1232ICC500 | PP070427.D | 11 Mar 2025 17:23 | | YP\AJ | Ok |
| 12 | AR1232ICC250 | AR1232ICC250 | PP070428.D | 11 Mar 2025 17:40 | | YP\AJ | Ok,M |
| 13 | AR1232ICC050 | AR1232ICC050 | PP070429.D | 11 Mar 2025 17:56 | | YP\AJ | Ok,M |
| 14 | AR1242ICC1000 | AR1242ICC1000 | PP070430.D | 11 Mar 2025 18:12 | | YP\AJ | Ok |
| 15 | AR1242ICC750 | AR1242ICC750 | PP070431.D | 11 Mar 2025 18:28 | | YP\AJ | Ok |
| 16 | AR1242ICC500 | AR1242ICC500 | PP070432.D | 11 Mar 2025 18:45 | | YP\AJ | Ok |
| 17 | AR1242ICC250 | AR1242ICC250 | PP070433.D | 11 Mar 2025 19:01 | | YP\AJ | Ok |
| 18 | AR1242ICC050 | AR1242ICC050 | PP070434.D | 11 Mar 2025 19:17 | | YP\AJ | Ok,M |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC1000 | AR1248ICC1000 | PP070435.D | 11 Mar 2025 19:34 | | YP\AJ | Ok |
| 20 | AR1248ICC750 | AR1248ICC750 | PP070436.D | 11 Mar 2025 19:50 | | YP\AJ | Ok |
| 21 | AR1248ICC500 | AR1248ICC500 | PP070437.D | 11 Mar 2025 20:06 | | YP\AJ | Ok |
| 22 | AR1248ICC250 | AR1248ICC250 | PP070438.D | 11 Mar 2025 20:22 | | YP\AJ | Ok |
| 23 | AR1248ICC050 | AR1248ICC050 | PP070439.D | 11 Mar 2025 20:39 | | YP\AJ | Ok,M |
| 24 | AR1254ICC1000 | AR1254ICC1000 | PP070440.D | 11 Mar 2025 20:55 | | YP\AJ | Ok |
| 25 | AR1254ICC750 | AR1254ICC750 | PP070441.D | 11 Mar 2025 21:11 | | YP\AJ | Ok |
| 26 | AR1254ICC500 | AR1254ICC500 | PP070442.D | 11 Mar 2025 21:28 | | YP\AJ | Ok |
| 27 | AR1254ICC250 | AR1254ICC250 | PP070443.D | 11 Mar 2025 21:44 | | YP\AJ | Ok |
| 28 | AR1254ICC050 | AR1254ICC050 | PP070444.D | 11 Mar 2025 22:00 | | YP\AJ | Ok |
| 29 | AR1262ICC500 | AR1262ICC500 | PP070445.D | 11 Mar 2025 22:16 | | YP\AJ | Ok |
| 30 | AR1268ICC1000 | AR1268ICC1000 | PP070446.D | 11 Mar 2025 22:33 | | YP\AJ | Ok |
| 31 | AR1268ICC750 | AR1268ICC750 | PP070447.D | 11 Mar 2025 22:49 | | YP\AJ | Ok |
| 32 | AR1268ICC500 | AR1268ICC500 | PP070448.D | 11 Mar 2025 23:05 | | YP\AJ | Ok |
| 33 | AR1268ICC250 | AR1268ICC250 | PP070449.D | 11 Mar 2025 23:22 | | YP\AJ | Ok |
| 34 | AR1268ICC050 | AR1268ICC050 | PP070450.D | 11 Mar 2025 23:38 | | YP\AJ | Ok,M |
| 35 | PP031125ICV500 | ICVPP031125 | PP070451.D | 11 Mar 2025 23:54 | | YP\AJ | Ok |
| 36 | AR1232ICV500 | ICVPP031125AR1232 | PP070452.D | 12 Mar 2025 00:10 | | YP\AJ | Ok |
| 37 | AR1242ICV500 | ICVPP031125AR1242 | PP070453.D | 12 Mar 2025 00:27 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/12/2025 7:57:33 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:54:29 AM | | |
| SubDirectory | PP031125 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | AR1248ICV500 | ICVPP031125AR1248 | PP070454.D | 12 Mar 2025 00:43 | | YP\AJ | Ok |
| 39 | AR1254ICV500 | ICVPP031125AR1254 | PP070455.D | 12 Mar 2025 00:59 | | YP\AJ | Ok |
| 40 | AR1268ICV500 | ICVPP031125AR1268 | PP070456.D | 12 Mar 2025 01:16 | | YP\AJ | Ok |
| 41 | AR1660CCC500 | AR1660CCC500 | PP070457.D | 12 Mar 2025 01:32 | | YP\AJ | Ok |
| 42 | AR1232CCC500 | AR1232CCC500 | PP070458.D | 12 Mar 2025 01:48 | | YP\AJ | Ok |
| 43 | AR1242CCC500 | AR1242CCC500 | PP070459.D | 12 Mar 2025 02:04 | | YP\AJ | Ok |
| 44 | I.BLK | I.BLK | PP070460.D | 12 Mar 2025 02:21 | | YP\AJ | Ok |
| 45 | PB167066BL | PB167066BL | PP070461.D | 12 Mar 2025 02:37 | Already run | YP\AJ | Not Ok |
| 46 | Q1502-15 | PT-PCBW-WP | PP070462.D | 12 Mar 2025 02:53 | AR1232 HIT | YP\AJ | Ok |
| 47 | AR1660CCC500 | AR1660CCC500 | PP070463.D | 12 Mar 2025 03:09 | | YP\AJ | Ok |
| 48 | AR1232CCC500 | AR1232CCC500 | PP070464.D | 12 Mar 2025 03:26 | | YP\AJ | Ok |
| 49 | AR1242CCC500 | AR1242CCC500 | PP070465.D | 12 Mar 2025 03:42 | | YP\AJ | Ok,M |
| 50 | I.BLK | I.BLK | PP070466.D | 12 Mar 2025 03:58 | | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP070573.D | 17 Mar 2025 08:51 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP070574.D | 17 Mar 2025 09:08 | | YP\AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PP070575.D | 17 Mar 2025 09:25 | | YP\AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PP070576.D | 17 Mar 2025 09:41 | | YP\AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PP070577.D | 17 Mar 2025 09:57 | | YP\AJ | Ok |
| 6 | I.BLK | I.BLK | PP070578.D | 17 Mar 2025 10:13 | | YP\AJ | Ok |
| 7 | Q1572-01DL | C0AC9DL | PP070579.D | 17 Mar 2025 10:30 | AR1248 + AR1260 Hit, Need Dilution, DCB high in 2nd column | YP\AJ | Dilution |
| 8 | Q1572-01DL2 | C0AC9DL2 | PP070580.D | 17 Mar 2025 10:46 | AR1248 + AR1260 Hit | YP\AJ | Ok |
| 9 | Q1572-02DL | C0O14DL | PP070581.D | 17 Mar 2025 11:02 | AR1260 + AR1248 Hit , Need dilution, DCB high 2nd column, TCMX high in Both column | YP\AJ | Dilution |
| 10 | Q1572-02DL2 | C0O14DL2 | PP070582.D | 17 Mar 2025 11:18 | AR1260 AR1248 Hit | YP\AJ | Ok |
| 11 | Q1572-03DL | C0O15DL | PP070583.D | 17 Mar 2025 11:35 | AR1260 AR1248 Hit , Need dilution | YP\AJ | Dilution |
| 12 | Q1572-03DL2 | C0O15DL2 | PP070584.D | 17 Mar 2025 11:51 | AR1260 AR1248 Hit | YP\AJ | Ok |
| 13 | Q1572-04DL | C0O16DL | PP070585.D | 17 Mar 2025 12:07 | AR1260 + AR1248 Hit, Need Dilution | YP\AJ | Dilution |
| 14 | Q1572-04DL2 | C0O16DL2 | PP070586.D | 17 Mar 2025 12:23 | AR1260 + AR1248 Hit | YP\AJ | Ok,NR |
| 15 | Q1572-05DL | C0O17DL | PP070587.D | 17 Mar 2025 12:40 | AR1248 + AR1260 Hit, Need Dilution, DCB High in 2nd column | YP\AJ | Dilution |
| 16 | Q1572-05DL2 | C0O17DL2 | PP070588.D | 17 Mar 2025 12:56 | AR1248 + AR1260 Hit, | YP\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | AR1660CCC500 | AR1660CCC500 | PP070589.D | 17 Mar 2025 14:00 | | YP\AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PP070590.D | 17 Mar 2025 14:17 | | YP\AJ | Ok |
| 19 | AR1248CCC500 | AR1248CCC500 | PP070591.D | 17 Mar 2025 14:33 | | YP\AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PP070592.D | 17 Mar 2025 14:49 | | YP\AJ | Ok |
| 21 | I.BLK | I.BLK | PP070593.D | 17 Mar 2025 15:05 | | YP\AJ | Ok |
| 22 | PB167154BL | PB167154BL | PP070594.D | 17 Mar 2025 15:22 | | YP\AJ | Ok |
| 23 | PB167154BS | PB167154BS | PP070595.D | 17 Mar 2025 15:38 | | YP\AJ | Ok |
| 24 | Q1572-07DL | C0O19DL | PP070596.D | 17 Mar 2025 15:54 | AR1260 AR1248 Hit | YP\AJ | Ok,M |
| 25 | Q1572-06DL | C0O18DL | PP070597.D | 17 Mar 2025 16:10 | AR1260 AR1248 Hit, Need Further 20X Dilution | YP\AJ | Dilution |
| 26 | Q1572-06DL2 | C0O18DL2 | PP070598.D | 17 Mar 2025 16:27 | AR1260 AR1248 Hit, Need Further 2X Dilution | YP\AJ | Not Ok |
| 27 | Q1572-08DL | C0O20DL | PP070599.D | 17 Mar 2025 16:43 | AR1248 Hit, DCB High in 2nd column | YP\AJ | Ok,M |
| 28 | Q1572-09DL | C0O21DL | PP070600.D | 17 Mar 2025 16:59 | AR1248 Hit | YP\AJ | Ok |
| 29 | Q1573-01 | C0AC4 | PP070601.D | 17 Mar 2025 17:15 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 30 | Q1573-01MS | C0AC4MS | PP070602.D | 17 Mar 2025 17:32 | | YP\AJ | Ok,M |
| 31 | Q1573-01MSD | C0AC4MSD | PP070603.D | 17 Mar 2025 17:48 | | YP\AJ | Ok,M |
| 32 | AR1660CCC500 | AR1660CCC500 | PP070604.D | 17 Mar 2025 18:37 | | YP\AJ | Ok |
| 33 | AR1242CCC500 | AR1242CCC500 | PP070605.D | 17 Mar 2025 18:53 | | YP\AJ | Ok |
| 34 | AR1248CCC500 | AR1248CCC500 | PP070606.D | 17 Mar 2025 19:09 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 35 | AR1254CCC500 | AR1254CCC500 | PP070607.D | 17 Mar 2025 19:25 | | YP\AJ | Ok |
| 36 | I.BLK | I.BLK | PP070608.D | 17 Mar 2025 19:42 | | YP\AJ | Ok |
| 37 | Q1573-02 | C0AC5 | PP070609.D | 17 Mar 2025 19:58 | AR1248 + AR1260 Hit, DCB Low in 1st column | YP\AJ | Ok,M |
| 38 | Q1573-03 | C0AC6 | PP070610.D | 17 Mar 2025 20:14 | AR1248 + AR1260 Hit, DCB Low in both column | YP\AJ | ReRun |
| 39 | Q1573-04 | C0AC8 | PP070611.D | 17 Mar 2025 20:30 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 40 | Q1573-05 | C0O29 | PP070612.D | 17 Mar 2025 20:47 | AR1260 Hit | YP\AJ | Ok,M |
| 41 | Q1573-06 | C0O30 | PP070613.D | 17 Mar 2025 21:03 | AR1260 Hit | YP\AJ | Ok |
| 42 | Q1573-07 | C0O31 | PP070614.D | 17 Mar 2025 21:19 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 43 | Q1573-08 | C0O32 | PP070615.D | 17 Mar 2025 21:35 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 44 | Q1573-09 | C0O33 | PP070616.D | 17 Mar 2025 21:52 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 45 | Q1573-10 | C0O34 | PP070617.D | 17 Mar 2025 22:08 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 46 | Q1573-11 | C0O35 | PP070618.D | 17 Mar 2025 22:24 | AR1248 + AR1260 Hit, DCB low in both column | YP\AJ | ReRun |
| 47 | AR1660CCC500 | AR1660CCC500 | PP070619.D | 17 Mar 2025 23:13 | | YP\AJ | Ok |
| 48 | AR1242CCC500 | AR1242CCC500 | PP070620.D | 17 Mar 2025 23:29 | | YP\AJ | Ok |
| 49 | AR1248CCC500 | AR1248CCC500 | PP070621.D | 17 Mar 2025 23:45 | | YP\AJ | Ok |
| 50 | AR1254CCC500 | AR1254CCC500 | PP070622.D | 18 Mar 2025 00:02 | | YP\AJ | Ok |
| 51 | I.BLK | I.BLK | PP070623.D | 18 Mar 2025 00:18 | | YP\AJ | Ok |
| 52 | Q1581-01 | TR-06-031425 | PP070624.D | 18 Mar 2025 00:34 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/17/2025 11:38:20 AM | | |
| Supervise By | mohammad | Supervise On | 3/19/2025 6:47:02 AM | | |
| SubDirectory | PP031725 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

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|---|---|---|---|---|---|---|---|
| 53 | Q1585-01 | OK-02-03142025 | PP070625.D | 18 Mar 2025 00:50 | | YP\AJ | Ok,M |
| 54 | PB167172BL | PB167172BL | PP070626.D | 18 Mar 2025 01:06 | | YP\AJ | Ok |
| 55 | PB167172BS | PB167172BS | PP070627.D | 18 Mar 2025 01:23 | | YP\AJ | Ok |
| 56 | PB167172BSD | PB167172BSD | PP070628.D | 18 Mar 2025 01:39 | | YP\AJ | Ok,M |
| 57 | Q1573-12 | C0AC7 | PP070629.D | 18 Mar 2025 01:55 | | YP\AJ | Ok |
| 58 | Q1573-13 | C0O37 | PP070630.D | 18 Mar 2025 02:11 | | YP\AJ | Ok |
| 59 | Q1577-03 | MOO-25-0072 | PP070631.D | 18 Mar 2025 02:28 | | YP\AJ | Ok,M |
| 60 | AR1660CCC500 | AR1660CCC500 | PP070632.D | 18 Mar 2025 03:16 | | YP\AJ | Ok |
| 61 | AR1242CCC500 | AR1242CCC500 | PP070633.D | 18 Mar 2025 03:32 | | YP\AJ | Ok |
| 62 | AR1248CCC500 | AR1248CCC500 | PP070634.D | 18 Mar 2025 03:49 | | YP\AJ | Ok |
| 63 | AR1254CCC500 | AR1254CCC500 | PP070635.D | 18 Mar 2025 04:05 | | YP\AJ | Ok |
| 64 | I.BLK | I.BLK | PP070636.D | 18 Mar 2025 04:21 | | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP070637.D | 18 Mar 2025 07:48 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP070638.D | 18 Mar 2025 08:04 | | YP\AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PP070639.D | 18 Mar 2025 08:21 | | YP\AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PP070640.D | 18 Mar 2025 08:37 | | YP\AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PP070641.D | 18 Mar 2025 08:53 | | YP\AJ | Ok,M |
| 6 | I.BLK | I.BLK | PP070642.D | 18 Mar 2025 09:10 | | YP\AJ | Ok,M |
| 7 | PP24328 | PP24328 | PP070643.D | 18 Mar 2025 09:26 | | YP\AJ | Ok |
| 8 | Q1573-03 | C0AC6 | PP070644.D | 18 Mar 2025 09:42 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 9 | Q1573-11 | C0O35 | PP070645.D | 18 Mar 2025 10:14 | AR1248 + AR1260 Hit | YP\AJ | Ok,M |
| 10 | Q1572-06DL2 | C0O18DL2 | PP070646.D | 18 Mar 2025 10:31 | AR1260 AR1248 Hit, | YP\AJ | Ok,M |
| 11 | AR1660CCC500 | AR1660CCC500 | PP070647.D | 18 Mar 2025 11:19 | | YP\AJ | Ok,M |
| 12 | AR1242CCC500 | AR1242CCC500 | PP070648.D | 18 Mar 2025 11:36 | | YP\AJ | Ok,M |
| 13 | AR1248CCC500 | AR1248CCC500 | PP070649.D | 18 Mar 2025 11:52 | | YP\AJ | Ok |
| 14 | AR1254CCC500 | AR1254CCC500 | PP070650.D | 18 Mar 2025 12:08 | | YP\AJ | Ok,M |
| 15 | I.BLK | I.BLK | PP070651.D | 18 Mar 2025 12:24 | | YP\AJ | Ok |
| 16 | PB167186BL | PB167186BL | PP070652.D | 18 Mar 2025 15:02 | | YP\AJ | Ok |
| 17 | PB167186BS | PB167186BS | PP070653.D | 18 Mar 2025 15:18 | | YP\AJ | Ok |
| 18 | Q1591-02 | GAS-TRE-25-0037 | PP070654.D | 18 Mar 2025 15:35 | AR1254 Hit | YP\AJ | Ok,M |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | Q1591-03 | ARS20-0008 | PP070655.D | 18 Mar 2025 15:51 | | YP\AJ | Ok |
| 20 | Q1591-03MS | ARS20-0008MS | PP070656.D | 18 Mar 2025 16:07 | | YP\AJ | Ok,M |
| 21 | Q1591-03MSD | ARS20-0008MSD | PP070657.D | 18 Mar 2025 16:23 | | YP\AJ | Ok,M |
| 22 | Q1592-01 | OILY-DEBRIS-COMP | PP070658.D | 18 Mar 2025 16:40 | | YP\AJ | Ok |
| 23 | Q1590-01 | 3794 | PP070659.D | 18 Mar 2025 16:56 | | YP\AJ | Ok |
| 24 | Q1590-02 | 20071 | PP070660.D | 18 Mar 2025 17:12 | | YP\AJ | Ok,M |
| 25 | Q1591-01 | GAS-TRE-1084 | PP070661.D | 18 Mar 2025 17:28 | | YP\AJ | Ok,M |
| 26 | AR1660CCC500 | AR1660CCC500 | PP070662.D | 18 Mar 2025 18:17 | | YP\AJ | Ok,M |
| 27 | AR1242CCC500 | AR1242CCC500 | PP070663.D | 18 Mar 2025 18:34 | | YP\AJ | Ok |
| 28 | AR1248CCC500 | AR1248CCC500 | PP070664.D | 18 Mar 2025 18:50 | | YP\AJ | Ok |
| 29 | AR1254CCC500 | AR1254CCC500 | PP070665.D | 18 Mar 2025 19:06 | | YP\AJ | Ok,M |
| 30 | I.BLK | I.BLK | PP070666.D | 18 Mar 2025 19:22 | | YP\AJ | Ok |
| 31 | PB167184BL | PB167184BL | PP070667.D | 18 Mar 2025 19:39 | | YP\AJ | Ok |
| 32 | PB167184BS | PB167184BS | PP070668.D | 18 Mar 2025 19:55 | | YP\AJ | Ok |
| 33 | PB167184BSD | PB167184BSD | PP070669.D | 18 Mar 2025 20:11 | | YP\AJ | Ok |
| 34 | Q1591-04 | GAS-TRE-25-0026 | PP070670.D | 18 Mar 2025 20:27 | | YP\AJ | Ok |
| 35 | Q1591-05 | GAS-TRE-25-0027 | PP070671.D | 18 Mar 2025 20:44 | | YP\AJ | Ok,M |
| 36 | Q1591-06 | GAS-TRE-25-0028 | PP070672.D | 18 Mar 2025 21:00 | | YP\AJ | Ok,M |
| 37 | Q1592-03 | 257952 | PP070673.D | 18 Mar 2025 21:16 | | YP\AJ | Ok,M |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP031825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 9:12:10 AM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:25 AM | | |
| SubDirectory | PP031825 | HP Acquire Method | | HP Processing Method | PP031125 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

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|---|---|---|---|---|---|---|---|
| 38 | Q1593-01 | 258829 | PP070674.D | 18 Mar 2025 21:32 | | YP\AJ | Ok |
| 39 | Q1594-01 | GAS-CAM-40615 | PP070675.D | 18 Mar 2025 21:49 | | YP\AJ | Ok |
| 40 | Q1590-04 | 3799 | PP070676.D | 18 Mar 2025 22:05 | | YP\AJ | Ok,M |
| 41 | AR1660CCC500 | AR1660CCC500 | PP070677.D | 18 Mar 2025 22:54 | | YP\AJ | Ok |
| 42 | AR1242CCC500 | AR1242CCC500 | PP070678.D | 18 Mar 2025 23:10 | | YP\AJ | Ok,M |
| 43 | AR1248CCC500 | AR1248CCC500 | PP070679.D | 18 Mar 2025 23:26 | | YP\AJ | Ok |
| 44 | AR1254CCC500 | AR1254CCC500 | PP070680.D | 18 Mar 2025 23:42 | | YP\AJ | Ok,M |
| 45 | I.BLK | I.BLK | PP070681.D | 18 Mar 2025 23:59 | | YP\AJ | Ok |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 3/17/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:20
**In Date:** 03/14/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN-1

**OVENTEMP OUT Celsius(°C):** 105
**Time OUT:** 08:35
**Out Date:** 03/15/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLIDS-OVEN

**QC:** LB135036

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q1569-01 | TAP-IDW-SOIL-031325-01 | 1 | 1.14 | 11.74 | 12.88 | 10.13 | 76.6 | |
| Q1569-04 | TAP-IDW-SOIL-031325-02 | 2 | 1.16 | 10.92 | 12.08 | 9.16 | 73.3 | |
| Q1572-01 | C0AC9 | 3 | 1.12 | 10.23 | 11.35 | 8.25 | 69.7 | |
| Q1572-02 | C0O14 | 4 | 1.15 | 10.41 | 11.56 | 9.32 | 78.5 | |
| Q1572-03 | C0O15 | 5 | 1.18 | 10.05 | 11.23 | 9.22 | 80.0 | |
| Q1572-04 | C0O16 | 6 | 1.15 | 9.00 | 10.15 | 7.3 | 68.3 | |
| Q1572-05 | C0O17 | 7 | 1.14 | 10.49 | 11.63 | 8.97 | 74.6 | |
| Q1572-06 | C0O18 | 8 | 1.15 | 9.91 | 11.06 | 8.68 | 76.0 | |
| Q1572-07 | C0O19 | 9 | 1.16 | 10.15 | 11.31 | 8.17 | 69.1 | |
| Q1572-08 | C0O20 | 10 | 1.13 | 10.26 | 11.39 | 8.8 | 74.8 | |
| Q1572-09 | C0O21 | 11 | 1.15 | 10.40 | 11.55 | 8.11 | 66.9 | |
| Q1572-10 | C0O22 | 12 | 1.15 | 10.39 | 11.54 | 8.00 | 65.9 | |
| Q1572-11 | C0O23 | 13 | 1.14 | 10.46 | 11.6 | 9.91 | 83.8 | |
| Q1572-12 | C0O24 | 14 | 1.13 | 10.28 | 11.41 | 8.82 | 74.8 | |
| Q1572-13 | C0O25 | 15 | 1.12 | 10.22 | 11.34 | 8.92 | 76.3 | |
| Q1572-14 | C0O26 | 16 | 1.19 | 10.23 | 11.42 | 8.82 | 74.6 | |
| Q1572-15 | C0O27 | 17 | 1.12 | 10.48 | 11.6 | 8.85 | 73.8 | |
| Q1572-16 | C0O28 | 18 | 1.15 | 10.11 | 11.26 | 9.52 | 82.8 | |
| Q1573-01 | C0AC4 | 19 | 1.19 | 10.51 | 11.7 | 8.81 | 72.5 | |
| Q1573-02 | C0AC5 | 20 | 1.16 | 11.03 | 12.19 | 8.16 | 63.5 | |
| Q1573-03 | C0AC6 | 21 | 1.14 | 10.38 | 11.52 | 7.66 | 62.8 | |
| Q1573-04 | C0AC8 | 22 | 1.16 | 10.28 | 11.44 | 7.25 | 59.2 | |
| Q1573-05 | C0O29 | 23 | 1.18 | 10.60 | 11.78 | 7.09 | 55.8 | |
| Q1573-06 | C0O30 | 24 | 1.13 | 10.13 | 11.26 | 8.17 | 69.5 | |
| Q1573-07 | C0O31 | 25 | 1.19 | 10.24 | 11.43 | 8.1 | 67.5 | |
| Q1573-08 | C0O32 | 26 | 1.15 | 10.08 | 11.23 | 6.7 | 55.1 | |
| Q1573-09 | C0O33 | 27 | 1.13 | 10.27 | 11.4 | 7.76 | 64.6 | |
| Q1573-10 | C0O34 | 28 | 1.14 | 10.42 | 11.56 | 9.7 | 82.1 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 3/17/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:20
**In Date:** 03/14/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN-1

**OVENTEMP OUT Celsius(°C):** 105
**Time OUT:** 08:35
**Out Date:** 03/15/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLIDS-OVEN

**QC:** LB135036

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q1573-11 | C0O35 | 29 | 1.19 | 11.25 | 12.44 | 9.97 | 78.0 | |
| Q1574-01 | WC1 | 30 | 1.11 | 10.31 | 11.42 | 11.21 | 98.0 | |
| Q1578-01 | JEC817T-1-1 | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1578-02 | JEC817T-1-2 | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1579-01 | BC271189-1-1 | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1579-02 | BC271189-1-2 | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1579-03 | BC271038-1-1 | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1579-04 | BC271038-1-2 | 36 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1581-01 | TR-06-031425 | 37 | 1.14 | 10.08 | 11.22 | 10.54 | 93.3 | |
| Q1581-02 | TR-06-031425-E2 | 38 | 1.18 | 10.18 | 11.36 | 10.64 | 92.9 | |
| Q1584-05 | SVOC-GPC-BLANK | 39 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-06 | PEST-GPC-BLANK | 40 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-07 | PEST-GPC-BLANK-SPIKE | 41 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-08 | PCB-GPC-BLANK | 42 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-09 | PCB-GPC-BLANK-SPIKE | 43 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-10 | SVOC-GPC2-BLANK | 44 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-11 | PEST-GPC2-BLANK | 45 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-12 | PEST-GPC2-BLANK-SPIKE | 46 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-13 | PCB-GPC2-BLANK | 47 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1584-14 | PCB-GPC2-BLANK-SPIKE | 48 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1585-01 | OK-02-03142025 | 49 | 1.14 | 10.43 | 11.57 | 11.27 | 97.1 | |
| Q1585-02 | OK-02-03142025-E2 | 50 | 1.13 | 10.27 | 11.4 | 10.89 | 95.0 | |

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

# WORKLIST(Hardcopy Internal Chain)

VB 135036

**WorkList Name :** %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1569-01 | TAP-IDW-SOIL-031325-01 | Solid | Percent Solids | Cool 4 deg C | WEST04 | I33 | 03/13/2025 | Chemtech -SO |
| Q1569-04 | TAP-IDW-SOIL-031325-02 | Solid | Percent Solids | Cool 4 deg C | WEST04 | I33 | 03/13/2025 | Chemtech -SO |
| Q1572-01 | C0AC9 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-02 | C0O14 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-03 | C0O15 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-04 | C0O16 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-05 | C0O17 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-06 | C0O18 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-07 | C0O19 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-08 | C0O20 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-09 | C0O21 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-10 | C0O22 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-11 | C0O23 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-12 | C0O24 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-13 | C0O25 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-14 | C0O26 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-15 | C0O27 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1572-16 | C0O28 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1573-01 | C0AC4 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | Chemtech -SO |
| Q1573-02 | C0AC5 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-03 | C0AC6 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |

**Date/Time** 03/13/25 16:10

**Raw Sample Received by:** JP WPC

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

**Date/Time** 03/13/25 03/14/25 17:30

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

**Raw Sample Relinquished by:** JP WPC

# WORKLIST(Hardcopy Internal Chain)

VB135036

**WorkList Name :** %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1573-04 | C0AC8 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-05 | C0O29 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-06 | C0O30 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-07 | C0O31 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-08 | C0O32 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-09 | C0O33 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-10 | C0O34 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1573-11 | C0O35 | Solid | Percent Solids | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | Chemtech -SO |
| Q1574-01 | WC1 | Solid | Percent Solids | Cool 4 deg C | GENV01 | I41 | 03/12/2025 | Chemtech -SO |
| Q1578-01 | JEC817T-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1578-02 | JEC817T-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1579-01 | BC271189-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1579-02 | BC271189-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1579-03 | BC271038-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1579-04 | BC271038-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | Chemtech -SO |
| Q1581-01 | TR-06-031425 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | Chemtech -SO |
| Q1581-02 | TR-06-031425-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | Chemtech -SO |
| Q1584-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-08 | PCB-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |

**Date/Time** 03/14/25 16:10

**Raw Sample Received by:** SB WOC

**Raw Sample Relinquished by:** JTCSM

**Date/Time** 03/14/25 1730

**Raw Sample Received by:** JTCSM

**Raw Sample Relinquished by:** SB WOC

# WORKLIST(Hardcopy Internal Chain)

UB 135036

**WorkList Name :** %1-031425 **WorkList ID :** 188269 **Department :** Wet-Chemistry **Date :** 03-14-2025 08:28:30

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1584-09 | PCB-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-10 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-11 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-12 | PEST-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-13 | PCB-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1584-14 | PCB-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 03/14/2025 | Chemtech -SO |
| Q1585-01 | OK-02-03142025 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | Chemtech -SO |
| Q1585-02 | OK-02-03142025-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | Chemtech -SO |

**Date/Time** 03/14/25 16:10
**Raw Sample Received by:** [illegible]
**Raw Sample Relinquished by:** IT (SM)

**Date/Time** 03/14/25 17:30
**Raw Sample Received by:** IT (SM)
**Raw Sample Relinquished by:** [illegible]

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167154

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

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-2

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

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 03/17/2025

**Extraction Start Time :** 08:35

**Extraction End Date :** 03/17/2025

**Extraction End Time :** 11:35

**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 | PP24209 |
| Surrogate | 1.0ML | 200 PPB | PP24217 |
| 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 | EP2592 |
| Baked Na2SO4 | N/A | EP2593 |
| Sand | N/A | E2865 |
| Hexane | N/A | E3877 |
| H2SO4 1:1 | N/A | EP2565 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

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

40 ML Vial lot# 03-40 BTS721.

**KD Bath ID:** 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 |
|---|---|---|
| 3/17/25 | RS (Eq-Lab) | R Patel/PCB Lab |
| 11:40 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167154**

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

**Concentration Date:** 03/17/2025

| Sample ID | Client Sample ID | Test | g/ mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167154BL | ABLK154 | PCB Group1 | 30.01 | N/A | ritesh | Evelyn | 10 | | | U7-1 |
| PB167154BS | ALCS154 | PCB Group1 | 30.02 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q1573-01 | C0AC4 | PCB Group1 | 30.05 | N/A | ritesh | Evelyn | 10 | | | 3 |
| Q1573-01MS | C0AC4MS | PCB Group1 | 30.06 | N/A | ritesh | Evelyn | 10 | | | 4 |
| Q1573-01MSD | C0AC4MSD | PCB Group1 | 30.02 | N/A | ritesh | Evelyn | 10 | | | 5 |
| Q1573-02 | C0AC5 | PCB Group1 | 30.10 | N/A | ritesh | Evelyn | 10 | | | 6 |
| Q1573-03 | C0AC6 | PCB Group1 | 30.08 | N/A | ritesh | Evelyn | 10 | | | U6-1 |
| Q1573-04 | C0AC8 | PCB Group1 | 30.06 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q1573-05 | C0O29 | PCB Group1 | 30.03 | N/A | ritesh | Evelyn | 10 | | | 3 |
| Q1573-06 | C0O30 | PCB Group1 | 30.07 | N/A | ritesh | Evelyn | 10 | | | 4 |
| Q1573-07 | C0O31 | PCB Group1 | 30.04 | N/A | ritesh | Evelyn | 10 | | | 5 |
| Q1573-08 | C0O32 | PCB Group1 | 30.05 | N/A | ritesh | Evelyn | 10 | | | 6 |
| Q1573-09 | C0O33 | PCB Group1 | 30.02 | N/A | ritesh | Evelyn | 10 | | | U2-1 |
| Q1573-10 | C0O34 | PCB Group1 | 30.07 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q1573-11 | C0O35 | PCB Group1 | 30.05 | N/A | ritesh | Evelyn | 10 | | | 3 |
| Q1581-01 | TR-06-031425 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q1585-01 | OK-02-03142025 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 5 |

RS 3/17

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

16/15/4 8:35

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1573 **WorkList ID :** 188308 **Department :** Extraction **Date :** 03-17-2025 08:30:29

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1573-01 | C0AC4 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-02 | C0AC5 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-03 | C0AC6 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-04 | C0AC8 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-05 | C0O29 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-06 | C0O30 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-07 | C0O31 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-08 | C0O32 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-09 | C0O33 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-10 | C0O34 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1573-11 | C0O35 | Solid | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1581-01 | TR-06-031425 | Solid | PCB | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | 8082A |
| Q1585-01 | OK-02-03142025 | Solid | PCB | Cool 4 deg C | PSEG05 | I41 | 03/14/2025 | 8082A |

**Date/Time** 03/17/25 8:31
**Raw Sample Received by:** RJ (Ext-Lab)
**Raw Sample Relinquished by:** CP SM

**Date/Time** 03/17/25 9:00
**Raw Sample Received by:** CP SM
**Raw Sample Relinquished by:** RJ (Ext-Lab)

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167172

**SOP ID:** M3510C,3580A-Extraction PCB-14

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Water

**Weigh By:** N/A

**Balance check:** RJ

**Balance ID:** N/A

**pH Strip Lot#:** E3880

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

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

**Extraction Start Date :** 03/17/2025

**Extraction Start Time :** 09:35

**Extraction End Date :** 03/17/2025

**Extraction End Time :** 14:20

**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 | PP24209 |
| Surrogate | 1.0ML | 200 PPB | PP24217 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3904 |
| Baked Na2SO4 | N/A | EP2593 |
| Hexane | N/A | E3877 |
| H2SO4 1:1 | N/A | EP2565 |
| 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# 03-40BTS721. Q1577-01 Used Limited volume sample is oily.

**KD Bath ID:** WATER BATH-1,2

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 3/17/25 | RS (Ext lab) | Y-P-Pest-PCB. |
| 14:25 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167172**

**Analytical Method:** M3510C,3580A-Extraction PCB-14

**Concentration Date:** 03/17/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167172BL | ABLK172 | PCB Group1 | 1000 | 6 | RUPESH | ritesh | 10 | | | SEP-5 |
| PB167172BS | ALCS172 | PCB Group1 | 1000 | 6 | RUPESH | ritesh | 10 | | | 6 |
| PB167172BSD | ALCSD172 | PCB Group1 | 1000 | 6 | RUPESH | ritesh | 10 | | | 7 |
| Q1573-12 | C0AC7 | PCB Group1 | 980 | 6 | RUPESH | ritesh | 10 | | | 8 |
| Q1573-13 | C0O37 | PCB Group1 | 970 | 6 | RUPESH | ritesh | 10 | | | 9 |
| Q1577-03 | MOO-25-0072 | PCB | 100 | 6 | RUPESH | ritesh | 10 | C | | 10 |

RJ 3/17

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

3/17/25 9:31

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1577 **WorkList ID :** 188320 **Department :** Extraction **Date :** 03-17-2025 08:49:42

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1573-12 | C0AC7 | Water | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/12/2025 | 8082A |
| Q1573-13 | C0O37 | Water | PCB Group1 | Cool 4 deg C | TETR16 | I31 | 03/11/2025 | 8082A |
| Q1577-03 | MOO-25-0072 | Water | PCB | Cool 4 deg C | PSEG03 | I41 | 03/14/2025 | 8082A |

**Date/Time** 3/17/25 9:25
**Raw Sample Received by:** RJ (Ext lab)
**Raw Sample Relinquished by:** [signature] SR

**Date/Time** 3/17/25 9:50
**Raw Sample Received by:** [signature] SR
**Raw Sample Relinquished by:** RJ (Ext lab)

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1573

**Test :** PCB Group1

**Prepbatch ID :** PB167154,PB167172,

**Sequence ID/Qc Batch ID:** PP031725,PP031825,

**Standard ID :**

EP2565,EP2592,EP2593,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24209,PP24217,

**Chemical ID :**

E2865,E3551,E3804,E3805,E3825,E3876,E3877,E3904,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12948,P12957,P13033,P13350,P13354,P13372,W3112,

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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 | EP2565 | 11/20/2024 | 05/20/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 11/20/2024 |

**FROM** 1000.00000ml of M5173 + 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 | EP2592 | 02/27/2025 | 08/12/2025 | RUPESHKUMAR SHAH | None | None | Riteshkumar Patel 02/27/2025 |

**FROM** 4000.00000ml of E3876 + 4000.00000ml of E3877 = 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 | EP2593 | 03/07/2025 | 07/01/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Riteshkumar Patel 03/07/2025 |

**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 | PP23733 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

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

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 202 | AR1660 1000/100 ppb working solution 1st source | PP23735 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 203 | AR1660 750 PPB STD | PP23736 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23735 = 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 | PP23737 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 205 | AR1660 250 PPB STD | PP23738 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23735 = 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 | PP23739 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23737 = 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 | PP23740 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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 | PP23741 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 222 | AR1221 500 PPB STD | PP23742 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23740 = 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 | PP23743 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1081 | AR1221 50 PPB STD | PP23744 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23742 = 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 | PP23745 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1063 | AR1232 750 PPB STD | PP23747 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23745 = 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 |
|---|---|---|---|---|---|---|---|---|
| 223 | AR1232 500 PPB STD | PP23748 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1064 | AR1232 250 PPB STD | PP23749 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23745 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1065 | AR1232 50 PPB STD | PP23750 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23748 = 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 | PP23751 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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 | PP23752 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 224 | AR1242 500 PPB STD | PP23753 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23751 = 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 | PP23754 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1069 | AR1242 50 PPB STD | PP23755 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23753 = 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 |
|---|---|---|---|---|---|---|---|---|
| 216 | AR1248 1000 PPB WORKING STD | PP23756 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1075 | AR1248 750 PPB STD | PP23757 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23756 = 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 |
|---|---|---|---|---|---|---|---|---|
| 225 | AR1248 500 PPB STD | PP23758 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1076 | AR1248 250 PPB STD | PP23759 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23756 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1077 | AR1248 50 PPB STD | PP23760 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23758 = 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 | PP23761 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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 | PP23762 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 226 | AR1254 500 PPB STD | PP23763 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23761 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1072 | AR1254 250 PPB STD | PP23764 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1073 | AR1254 50 PPB STD | PP23765 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23763 = 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 |
|---|---|---|---|---|---|---|---|---|
| 1529 | AR1262 1000 PPB Working Solution | PP23766 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3753 | AR1262 750 PPB STD | PP23767 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23766 = 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 | PP23768 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3754 | AR1262 250 PPB STD | PP23769 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23766 = 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 | PP23770 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23768 = 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 | PP23771 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = 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 | PP23772 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1533 | AR1268 500 PPB STD | PP23773 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23771 = 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 | PP23774 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3822 | AR1268 50 PPB STD | PP23775 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23773 = 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 |
|---|---|---|---|---|---|---|---|---|
| 404 | AR1660 100 PPM Stock Solution 2nd Source | PP23776 | 10/03/2024 | 04/01/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12947 + 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 | PP23777 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 406 | AR1660 500 PPB ICV | PP23778 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23777 = 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) | PP23779 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 3790 | AR1221 500 PPB ICV(AGILENT) | PP23780 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23779 = 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 | PP23781 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 1889 | AR1242 1000 PPB Working Sol. 2nd Source | PP23782 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1888 | AR1232 500 PPB ICV | PP23783 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1891 | AR1242 500 PPB ICV | PP23784 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23782 = 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 | PP23785 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 1892 | AR1248 500 PPB ICV | PP23786 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23785 = 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 | PP23787 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 1894 | AR1254 500 PPB ICV | PP23788 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23787 = 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 | PP23789 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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

# 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 | PP23790 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = 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 | PP23946 | 11/07/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 11/13/2024 |

**FROM** 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 3823 | AR1268 500 PPB STD ICV | PP23947 | 11/07/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 11/13/2024 |

**FROM** 0.50000ml of E3825 + 0.50000ml of PP23946 = 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 | PP24209 | 02/27/2025 | 08/27/2025 | Ankita Jodhani | None | None | Yogesh Patel 03/06/2025 |

**FROM** 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 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 |
|---|---|---|---|---|---|---|---|---|
| 465 | 200 PPB Pest/PCB Surrogate Spike | PP24217 | 03/05/2025 | 08/25/2025 | Abdul Mirza | None | None | Yogesh Patel 03/06/2025 |

**FROM** 1.00000ml of P13354 + 999.00000ml of E3876 = 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 | 07/01/2025 | 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) | 24C1862008 | 03/30/2025 | 09/30/2024 / Rajesh | 09/25/2024 / Rajesh | E3805 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 11/06/2025 | 11/06/2024 / Rajesh | 11/01/2024 / Rajesh | E3825 |

| 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 | 08/25/2025 | 02/25/2025 / | 02/12/2025 / Rajesh | E3876 |

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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) | 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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24K1762005 | 01/07/2026 | 03/13/2025 / | 12/27/2024 / RUPESH | E3904 |

| 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) | 0000281827 | 06/02/2025 | 06/01/2022 / | 04/05/2022 / william | M5173 |

| 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 | A0163157 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Abdul | P10483 |

| 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 | A0167722 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Ankita | P10500 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11507 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006626997 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11512 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-382-1 / Aroclor 1268 | 0006587800 | 05/07/2025 | 11/07/2024 / Ankita | 02/21/2022 / Ankita | P11521 |

| 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 | A0175456 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11581 |

| 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 | A0173309 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11587 |

| 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 | A0175403 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11590 |

| 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 | A0181782 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11597 |

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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 | 91867 / Aroclor 1232 100 ug/mL | 020823 | 04/03/2025 | 10/03/2024 / Ankita | 08/07/2023 / Ankita | P12698 |

| 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 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12929 |

| 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 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12934 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12947 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 08/27/2025 | 02/27/2025 / Ankita | 12/20/2023 / Yogesh | P12948 |

| 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P13033 |

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

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 09/05/2025 | 03/05/2025 / Abdul | 04/22/2024 / Abdul | P13354 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025 | 10/03/2024 / Ankita | 05/02/2024 / Ankita | P13372 |

| 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 |

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 RB 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

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.1 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3825

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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 2/12/25

E 3876

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

# 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.

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
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 | 2 |
| Assay ($CH_2Cl_2$) (by GC, exclusive of preservative, corrected for water) | >= 99.8 % | 100.0 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.5 ppm |
| Titrable Acid (µeq/g) | <= 0.3 | 0.0 |
| Chloride (Cl) | <= 10 ppm | <5 ppm |
| Water (by KF, coulometric) | <= 0.02 % | 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3904

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| ACS - Assay (as HCl) (by acid-base titrn) | 36.5 - 38.0 % | 37.6 |
| ACS - Color (APHA) | <= 10 | 5 |
| ACS - Residue after Ignition | <= 3 ppm | 1 |
| ACS - Specific Gravity at 60°/60°F | 1.185 - 1.192 | 1.189 |
| ACS - Bromide (Br) | <= 0.005 % | < 0.005 |
| ACS - Extractable Organic Substances | <= 5 ppm | < 1 |
| ACS - Free Chlorine (as $Cl_2$) | <= 0.5 ppm | < 0.5 |
| Phosphate ($PO_4$) | <= 0.05 ppm | < 0.03 |
| Sulfate ($SO_4$) | <= 0.5 ppm | < 0.3 |
| Sulfite ($SO_3$) | <= 0.8 ppm | 0.3 |
| Ammonium ($NH_4$) | <= 3 ppm | < 1 |
| Trace Impurities - Arsenic (As) | <= 0.010 ppm | < 0.003 |
| Trace Impurities - Aluminum (Al) | <= 10.0 ppb | 0.5 |
| Arsenic and Antimony (as As) | <= 5 ppb | < 3 |
| Trace Impurities - Barium (Ba) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Beryllium (Be) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Bismuth (Bi) | <= 10.0 ppb | < 1.0 |
| Trace Impurities - Boron (B) | <= 20.0 ppb | < 5.0 |
| Trace Impurities - Cadmium (Cd) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Calcium (Ca) | <= 50.0 ppb | 15.0 |
| Trace Impurities - Chromium (Cr) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Cobalt (Co) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Copper (Cu) | <= 1.0 ppb | < 0.1 |
| Trace Impurities - Gallium (Ga) | <= 1.0 ppb | < 0.2 |

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

| Test | Specification | Result |
|---|---|---|
| Trace Impurities - Germanium (Ge) | <= 3.0 ppb | < 2.0 |
| Trace Impurities - Gold (Au) | <= 4.0 ppb | 3.0 |
| Heavy Metals (as Pb) | <= 100 ppb | < 50 |
| Trace Impurities - Iron (Fe) | <= 15.0 ppb | 1.0 |
| Trace Impurities - Lead (Pb) | <= 1.0 ppb | < 0.5 |
| Trace Impurities - Lithium (Li) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Magnesium (Mg) | <= 10.0 ppb | < 0.4 |
| Trace Impurities - Manganese (Mn) | <= 1.0 ppb | < 0.4 |
| Trace Impurities - Mercury (Hg) | <= 0.5 ppb | 0.2 |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb | < 5.0 |
| Trace Impurities - Nickel (Ni) | <= 4.0 ppb | < 0.3 |
| Trace Impurities - Niobium (Nb) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Potassium (K) | <= 9.0 ppb | < 2.0 |
| Trace Impurities - Selenium (Se), For Information Only | ppb | 1.0 |
| Trace Impurities - Silicon (Si) | <= 100.0 ppb | 18.0 |
| Trace Impurities - Silver (Ag) | <= 1.0 ppb | < 0.3 |
| Trace Impurities - Sodium (Na) | <= 100.0 ppb | < 5.0 |
| Trace Impurities - Strontium (Sr) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Tantalum (Ta) | <= 1.0 ppb | < 0.9 |
| Trace Impurities - Thallium (Tl) | <= 5.0 ppb | < 2.0 |
| Trace Impurities - Tin (Sn) | <= 5.0 ppb | < 0.8 |
| Trace Impurities - Titanium (Ti) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Vanadium (V) | <= 1.0 ppb | < 0.2 |
| Trace Impurities - Zinc (Zn) | <= 5.0 ppb | 0.4 |
| Trace Impurities - Zirconium (Zr) | <= 1.0 ppb | < 0.1 |

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James 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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32039 **Lot No.:** A0163157

**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 :** November 30, 2026 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1016 | | 1,007.0 µg/mL | +/- 5.8683 | µg/mL | Gravimetric |
| | **CAS #** 12674-11-2 | (Lot 04) | | +/- 31.9082 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.6868 | µg/mL | Stressed |
| 2 | Aroclor 1260 | | 1,008.0 µg/mL | +/- 5.8741 | µg/mL | Gravimetric |
| | **CAS #** 11096-82-5 | (Lot 07) | | +/- 31.9399 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.7282 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 10476
&
P 10480

AR
02/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

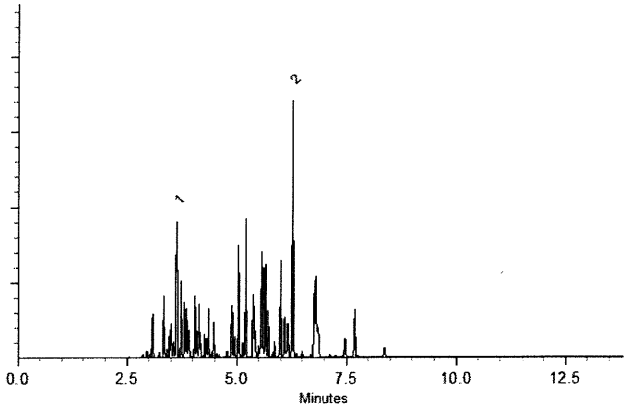
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

**Date Passed:** 05-Aug-2020

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

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. :** 32409 **Lot No.:** A0167722

**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, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1262 | 1,004.0 µg/mL | +/- 5.9635 | µg/mL | Gravimetric |
| | **CAS #** 37324-23-5 (Lot 10849100) | | +/- 31.8340 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.5787 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P10496
J
P10500

AJ
09/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

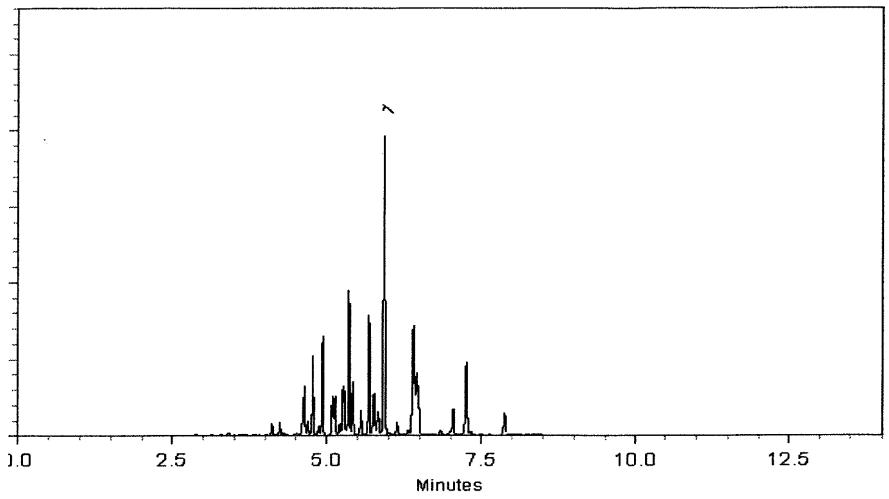
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 03-Jan-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

**Date Passed:** 05-Jan-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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 |

| | CERTIFIED VALUES | | | |
|---|---|---|---|---|
| Component Name | 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 20ºC to 25ºC 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.

P11533 + P11537

AJ 02/21/22

**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

ISO 17034

Agilent
Trusted Answers

# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1248 Standard | **Lot Number:** | 0006626997 |
| **Product Number:** | PP-342-1 | **Lot Issue Date:** | 17-Aug-2021 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 30-Sep-2025 |

| | CERTIFIED VALUES | | | | |
|---|---|---|---|---|---|
| Component Name | Concentration | | Expanded 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 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.

P11508 → P11512

AJ 12/21/22

ISO 17034

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 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
Page: 2 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY

ISO 17025 Cert
No. AT-1937

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

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ISO 17025 Cert No. AT-1937

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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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Certificate #3222.01

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**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.:** A0175456

**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, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1221 | 1,002.0 µg/mL | +/- 5.9516 | µg/mL | Gravimetric |
| | **CAS #** 11104-28-2 (Lot 10210500) | | +/- 31.7706 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4958 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11578 ↓ P 11582 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

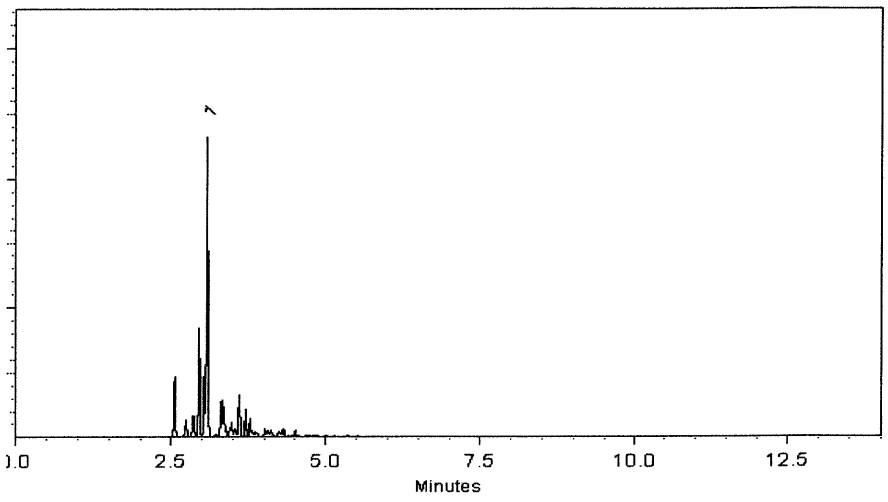
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 18-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11578 ↓ P11582 (5)

AR 04/30/22

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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.:** A0173309

**Description :** Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Aroclor 1232 | 1,001.0 µg/mL | +/- 5.9456 µg/mL | Gravimetric |
| | **CAS #** 11141-16-5 (Lot 15665-01) | | +/- 31.7389 µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4544 µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11583 ↓ P11597 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

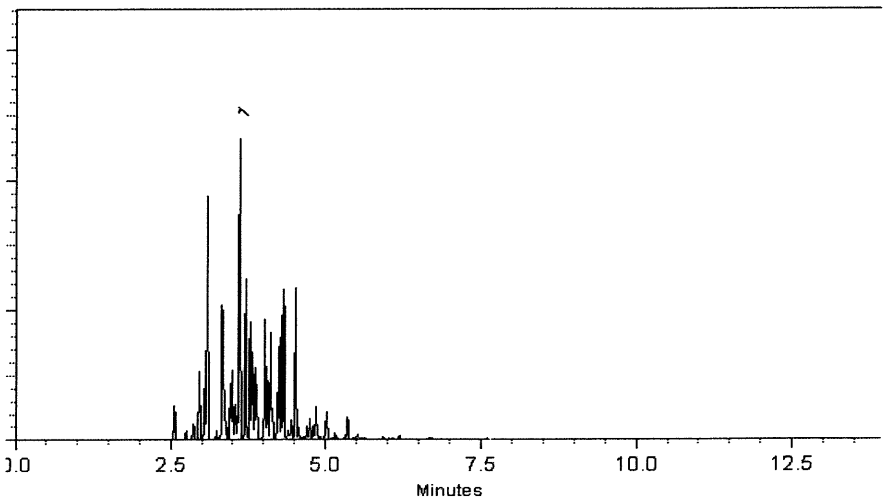
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

**Date Passed:** 16-Jun-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11583 ↓ P11587 | (5)

AR 04/30/22

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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.:** A0175403

**Description :** Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Aroclor 1254 | 1,000.7 µg/mL | +/- 5.9437 µg/mL | Gravimetric |
| | **CAS #** 11097-69-1 (Lot 124-191-B) | | +/- 31.7284 µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4406 µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11588
↓
P11592

AR
04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

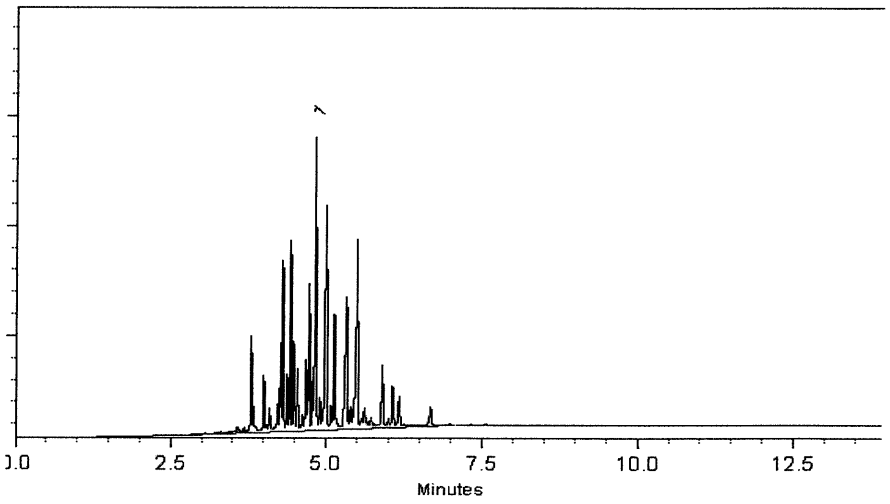
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

**Date Mixed:** 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

**Date Passed:** 17-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11588 | (5)
1
P11592

AR
04/30/22

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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.:** A0181782

**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, 2028 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

**CERTIFIED VALUES**

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Aroclor 1268 | 1,001.4 µg/mL | +/- 5.9480 µg/mL | Gravimetric |
| | **CAS #** 11100-14-4 (Lot 10947000) | | +/- 31.7516 µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4710 µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

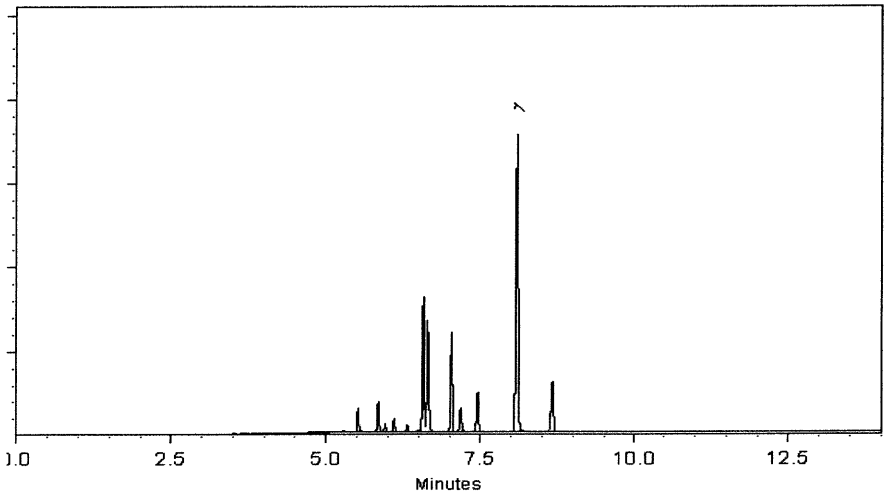
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 14-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

**Date Passed:** 17-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P 11593 (5)
↓
P 11597
04/30/2022

**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 |

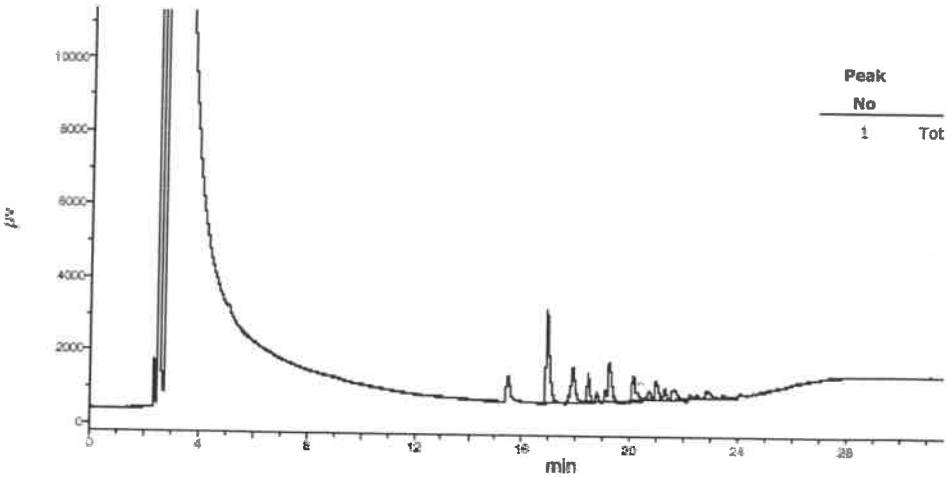
**Solvent/** Acet

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



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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.)

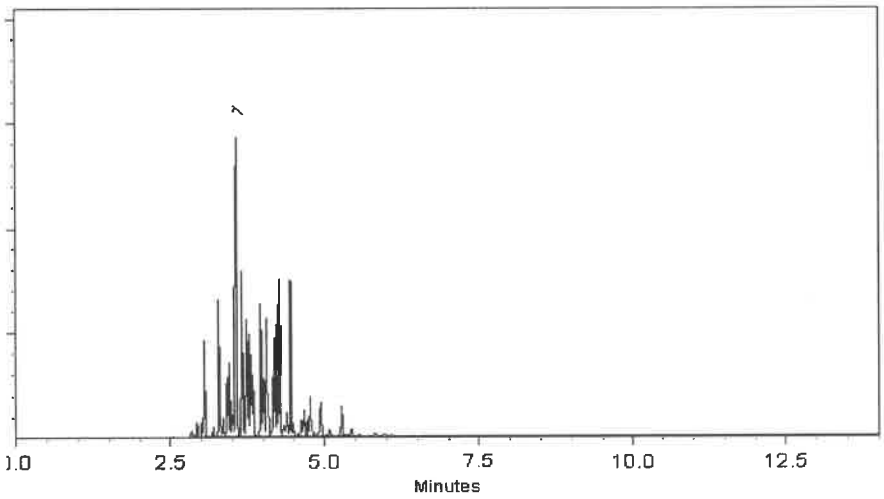
**Inj. Temp:**
250°C

**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**

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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.)

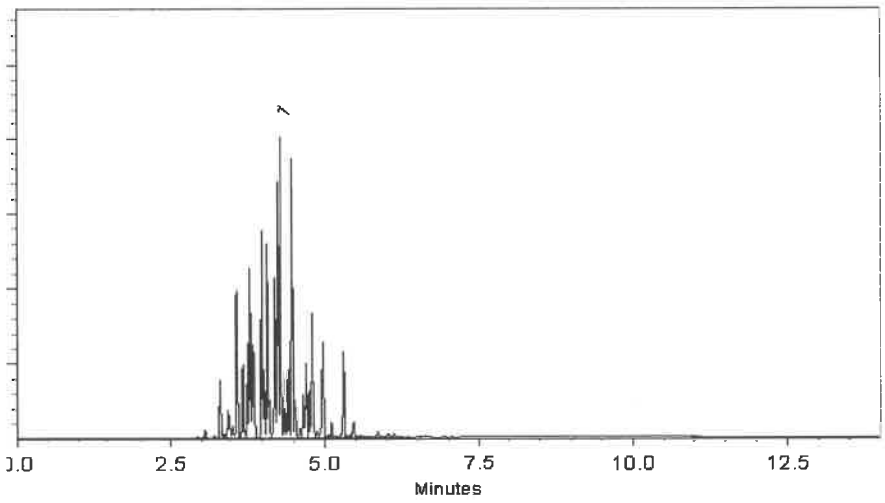
**Inj. Temp:**
250°C

**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

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
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

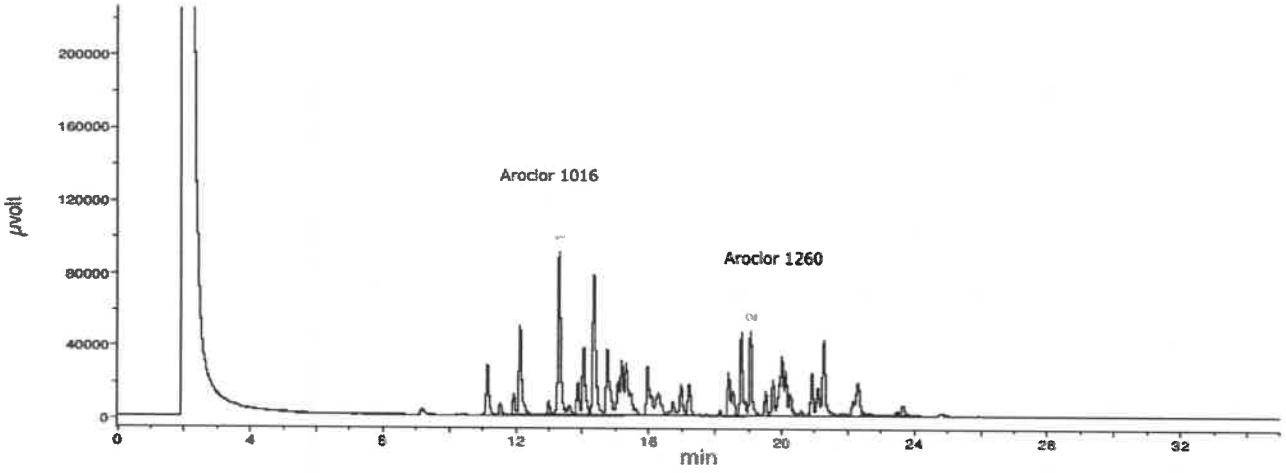
| | |
|---|---|
| Formulated By: Benson Chan | 022023 DATE |
| Reviewed By: Pedro L. Rentas | 022023 DATE |

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 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
Hydogen (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



## 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

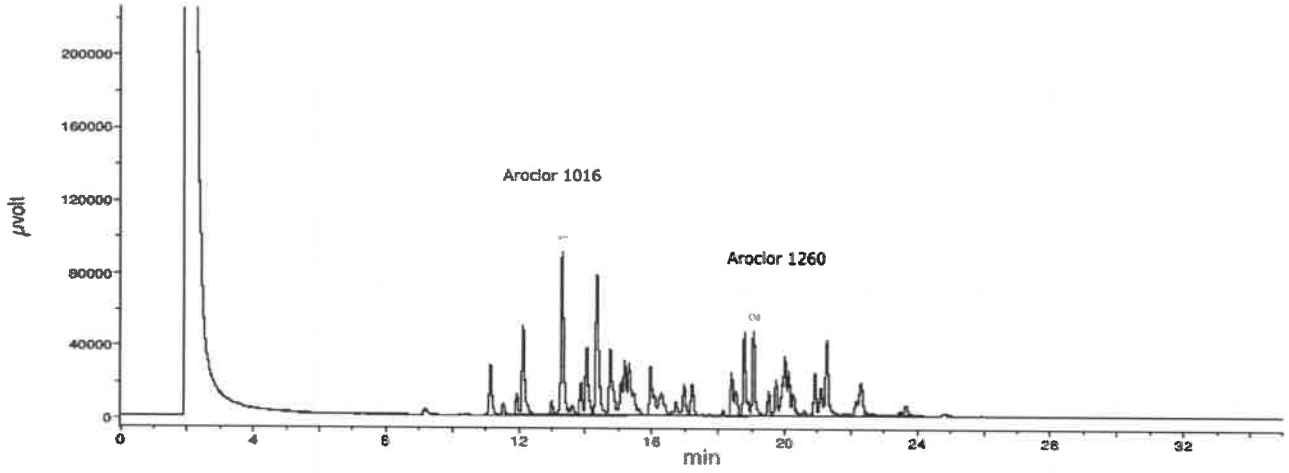
| | |
|---|---|
| Formulated By: Benson Chan | 022023 DATE |
| Reviewed By: Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 12/20

| 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
Hydogen (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 Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## 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 |

| | | |
|---|---|---|
| | | 121823 |
| Formulated By: | Anthony Mahoney | DATE |
| | | 121823 |
| Reviewed By: | Pedro L. Rentas | DATE |

P12956 & P12957 Y-P 12/20/23

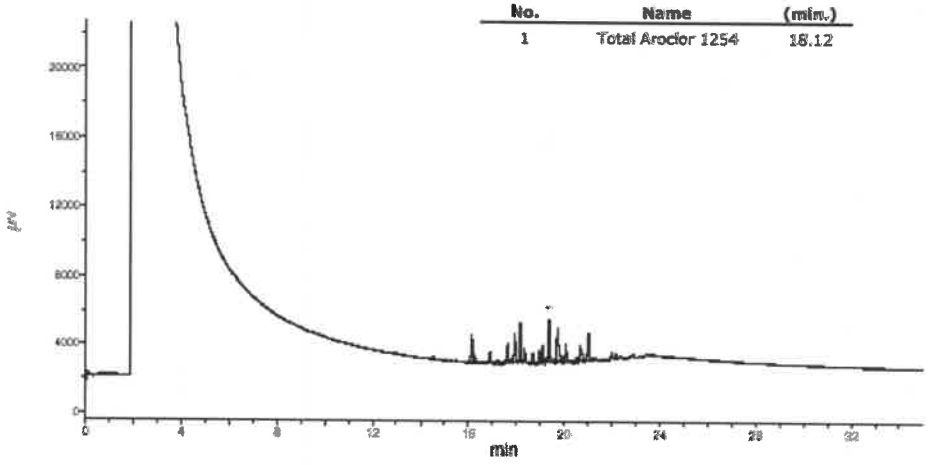
**Note: Aroclor 1254 is a mix of isomers.**

| 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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*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 90165
**Lot Number:** 112322
**Description:** Aroclor 1262

**Solvent(s):** Hexane **Lot#** 273615

**Expiration Date:** 112332
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test ID#:** 6UTB

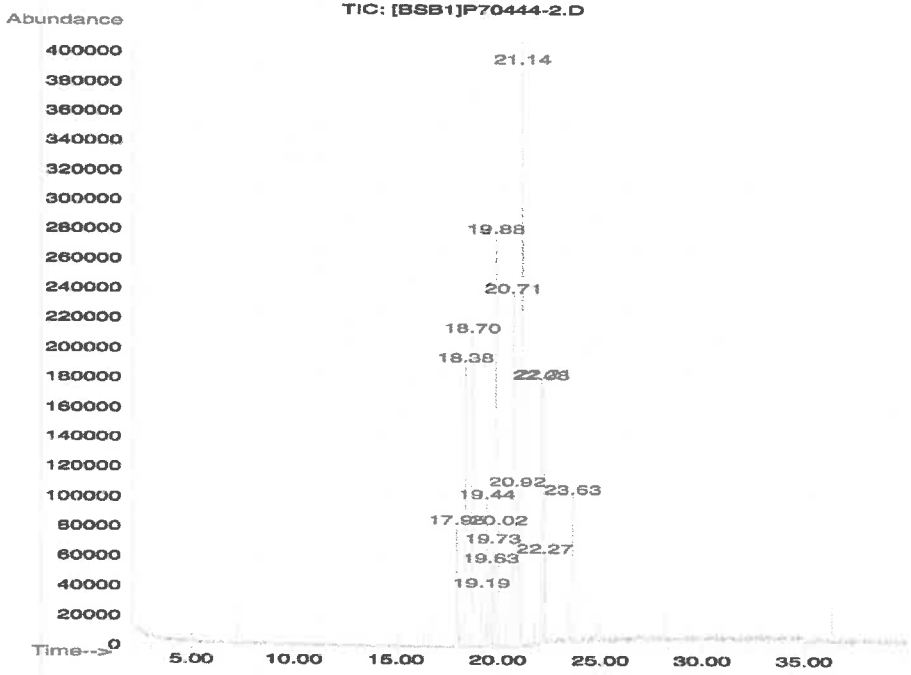
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.005 Flask Uncertainty

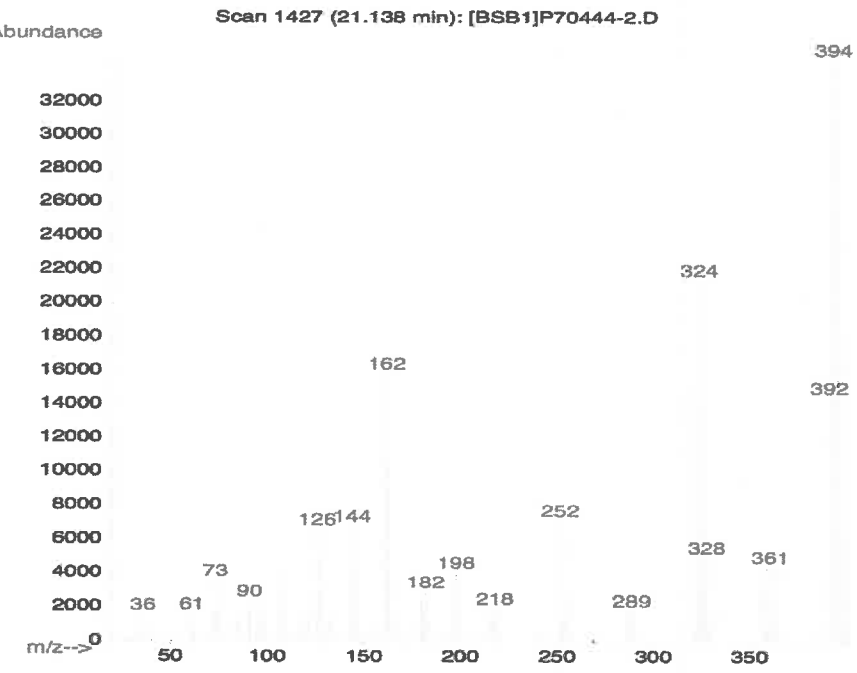
| Formulated By: | Prashant Chauhan | 112322 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 112322 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1262 | 444 | W-130-05 | 1000 | 100 | 0.2 | 0.05003 | 0.05016 | 1002.7 | 4.5 | 37324-23-5 | N/A | orl-rat 11300mg/kg |

**Method GC7MSD-7.M:** Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P 12/21/23



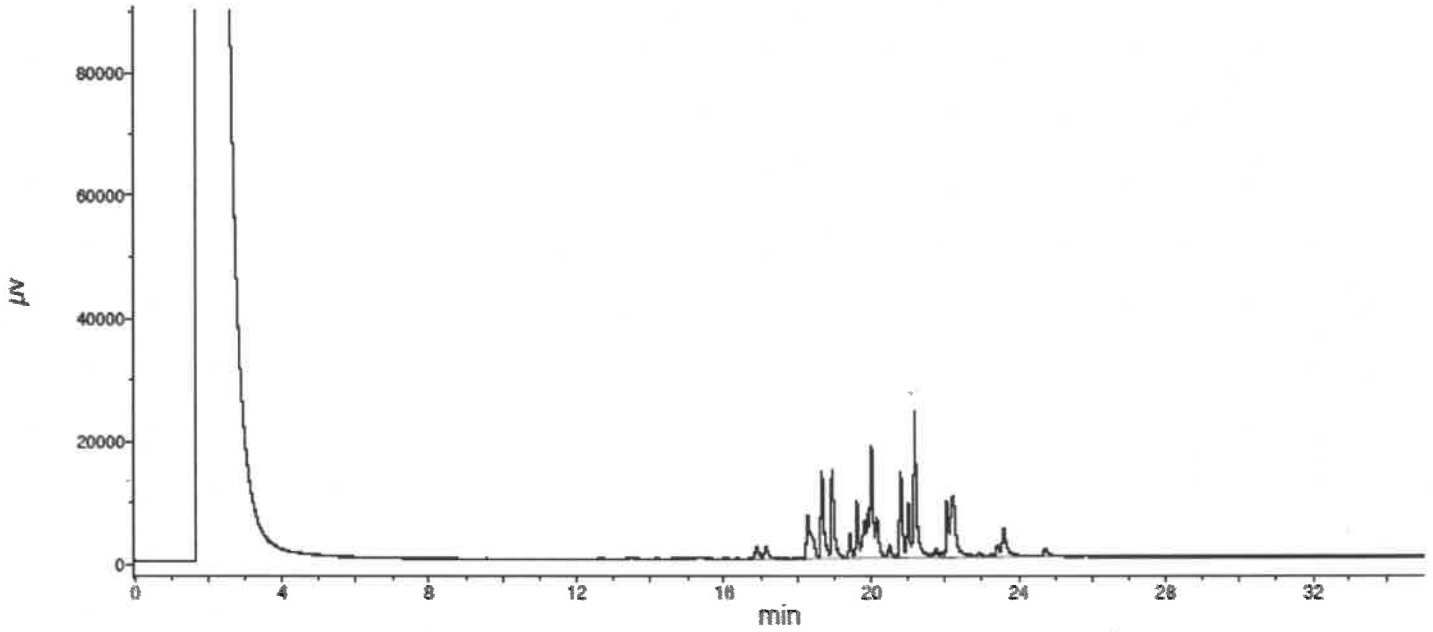

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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).

# Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

## 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
Hydogen (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

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

***chromatographic plus***

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

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.)

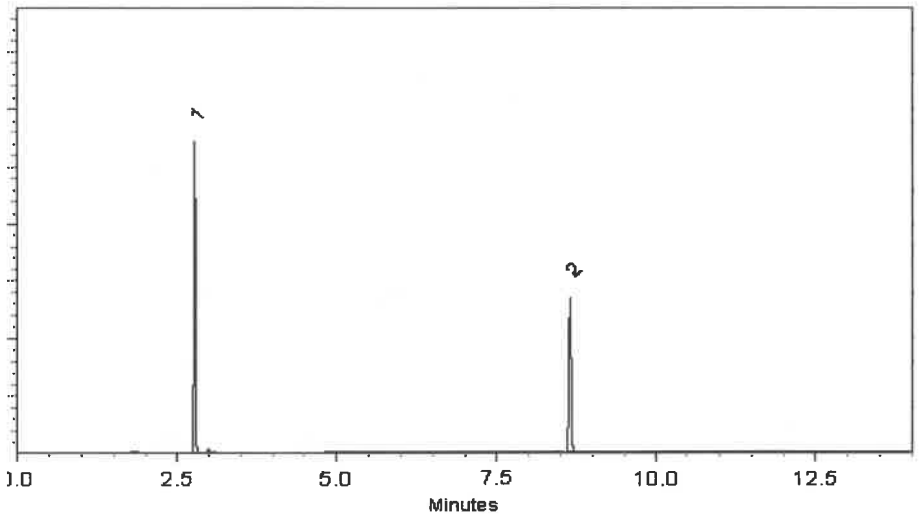
**Inj. Temp:**
250°C

**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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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.)

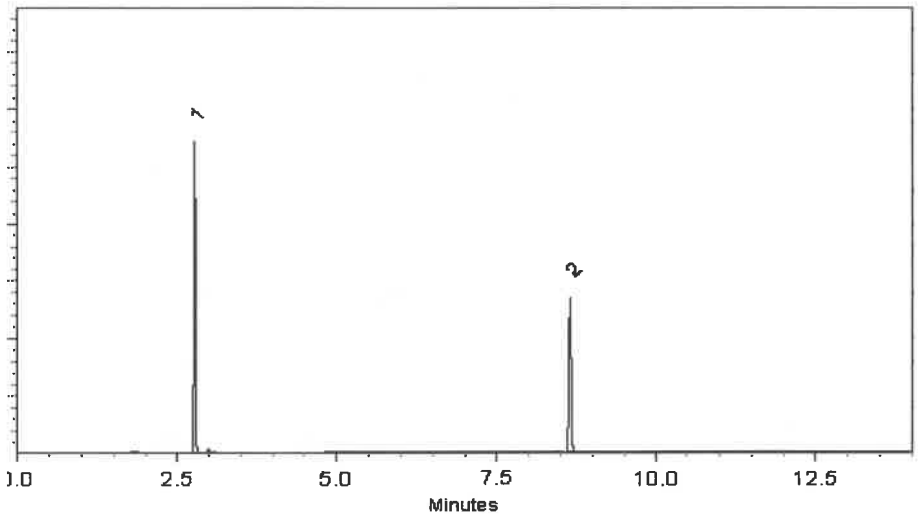
**Inj. Temp:**
250°C

**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

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
↓
P133f3

AJ
05106124



CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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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
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**

# SHIPPING DOCUMENTS

Q1573



**USEPA CLP COC (LAB COPY)**
DateShipped: 3/13/2025
CarrierName: FedEx
AirbillNo: 7726 7523 9763

**CHAIN OF CUSTODY RECORD**

DAS #: R36884
Cooler #: 1

**No: 3-031225-160920-0002**
Lab: Alliance Technical Group, LLC
Lab Contact: Yazmeen Gomez
Lab Phone: (908) 728-3147

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| AWS-SD-08 | C0AC4 | Sediment/ START | Grab | PCB A (s)(3) | 1025 (<6 C) (1) | Beaverdam Branch | 03/11/2025 12:55 | |
| AWS-SD-09 | C0AC5 | Sediment/ START | Grab | PCB A (s)(3) | 1026 (<6 C) (1) | Beaverdam Branch | 03/11/2025 13:35 | |
| AWS-SD-10 | C0AC6 | Sediment/ START | Grab | PCB A (s)(3) | 1027 (<6 C) (1) | Beaverdam Branch | 03/11/2025 13:50 | |
| AWS-RB-02 | C0AC7 | Water/ START | Grab | PCB A (aq)(3) | 1053 (<6 C) (1) | Blank | 03/12/2025 15:50 | |
| AWS-SD-04-D | C0AC8 | Sediment/ START | Grab | PCB A (s)(3) | 1055 (<6 C) (1) | Beaverdam Branch | 03/11/2025 12:00 | |
| AWS-SD-01 | C0O29 | Sediment/ START | Grab | PCB A (s)(3) | 1016 (<6 C) (1) | Beaverdam Branch | 03/11/2025 08:15 | |
| AWS-SD-02 | C0O30 | Sediment/ START | Grab | PCB A (s)(3) | 1017 (<6 C) (1) | Beaverdam Branch | 03/11/2025 09:15 | |
| AWS-SD-03 | C0O31 | Sediment/ START | Grab | PCB A (s)(3) | 1018 (<6 C) (1) | Beaverdam Branch | 03/11/2025 09:55 | |
| AWS-SD-04 | C0O32 | Sediment/ START | Grab | PCB A (s)(3) | 1019 (<6 C) (1) | Beaverdam Branch | 03/11/2025 10:25 | |
| AWS-SD-05 | C0O33 | Sediment/ START | Grab | PCB A (s)(3) | 1020 (<6 C) (1) | Beaverdam Branch | 03/11/2025 10:45 | |
| AWS-SD-06 | C0O34 | Sediment/ START | Grab | PCB A (s)(3) | 1021 (<6 C) (1) | Beaverdam Branch | 03/11/2025 11:05 | |

| | |
|---|---|
| Sample(s) to be used for Lab QC: AWS-SD-02 Tag 1017 | **Shipment for Case Complete? Y** |
| | **Samples Transferred From Chain of Custody #** |
| Analysis Key: PCB A (s)=PCB Aroclors (s), PCB A (aq)=PCB Aroclors (aq) | |

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | Tetra Tech | 4/8/25, 1100 | | 10:00 3.14.25 | IR Gun #1 1.9° |
| | | | | | Custody Seal Intact |
| | | | | | Temp Blank present |
| | | | | | |

Q1573



**USEPA CLP COC (LAB COPY)**
DateShipped: 3/13/2025
CarrierName: FedEx
AirbillNo: 7726 7523 9763

**CHAIN OF CUSTODY RECORD**

DAS #: R36884
Cooler #: 1

**No: 3-031225-160920-0002**
Lab: Alliance Technical Group, LLC
Lab Contact: Yazmeen Gomez
Lab Phone: (908) 728-3147

| Sample Identifier | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|---|---|---|---|---|---|---|---|---|
| AWS-SD-07 | C0O35 | Sediment/ START | Grab | PCB A (s)(3) | 1022 (<6 C) (1) | Beaverdam Branch | 03/11/2025 13:15 | |
| AWS-RB-01 | C0O37 | Water/ START | Grab | PCB A (aq)(3) | 1023 (<6 C) (1) | Blank | 03/11/2025 14:15 | |

Special Instructions:

**Shipment for Case Complete? Y**
**Samples Transferred From Chain of Custody #**

Analysis Key: PCB A (s)=PCB Aroclors (s), PCB A (aq)=PCB Aroclors (aq)

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| | Matt Vaga TetraTech | 4/13/25 1100 | | 10:00 3-14-25 | ZR Cun #1 1.9°C Custody Seal Intact Temp Blank present |

| Laboratory Address and Contact | Tetra Tech Project Lead | Sample Coordinator |
|---|---|---|
| Alliance Technical Group, LLC<br>284 Sheffield St<br>Mountainside, NJ 07092<br><br>Yazmeen Gomez<br>(908) 728-3147<br>Yazmeen.Gomez@alliancetg.com | Brian Kolodne<br>Tetra Tech<br>661 Andersen Dr<br>Ste. 500<br>Pittsburgh, PA 15220<br><br>(303) 312-8847<br>Brian.Kolodne@tetratech.com | Ava Heiss<br>(302) 397-1105<br>ava.heiss@tetratech.com |

**Site location: Pennsylvania**

Please reference **R36884** on all deliverables (L4 reports, EDDs, invoice, login acknowledgement).

**Sample Numbers:**

These are the alphanumeric ids listed on the Chain of Custody (COC) in the 2nd column (ex. C0AA0). Please use these ids for all sample login acknowledgement forms, reports, and EDDs.

**Reporting Limits (RL):**

Laboratory will report non-detects at the RLs (adjusted RLs to account for % moisture, dilutions, sample volume if applicable) in the reports and EDD files. Results for non-detects in the EDDs should not be an empty cell, but should be reported as the RL (adjusted as necessary) with a "U" qualifier in the lab qualifier column. Analytical results are to be reported for detections below the reporting limit (RL) down to the method detection limit with a "J" flag.

**Deliverables:** Email a **Level 2 and 4 report with EDDs in EQuIS* format** to Ava Heiss and Brian Kolodne.
**Sampling Dates: March 10, 2025 – March 14, 2025**
**Turnaround Time: 3 BD TAT for Preliminary Data; 15 BD TAT for Level 2, Level 4 reports, Equis EDDs**

| Parameter/Matrix | Method | Number of Samples |
|---|---|---|
| PCB Aroclors/Soil & Sediment | SW8082A | 27 samples (plus 2 MSMSDs) |
| PCB Aroclors/Aqueous QC Blanks | SW8082A | 3 samples |

*EDD file in EPA Region 2 format (i.e., EQuis EDD, in excel). For instructions, click link:
*Region 2 format is the same as Region 3 format
(https://www.epa.gov/superfund/region-2-superfund-electronic-data-submission-documents

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 |
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| DOD ELAP (ANAB) | L2219 |
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| 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 |