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# Cover Page

**Order ID :** Q1730

**Project ID :** Raymark Superfund Site

**Client :** Nobis Group

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1730-01 | OU4-VSL-15-040325 |
| Q1730-02 | OU4-VSL-15-040325 |
| Q1730-03 | OU4-VSL-16-040325 |
| Q1730-04 | OU4-VSL-16-040325 |
| Q1730-05 | OU4-VSL-17-040325 |
| Q1730-06 | OU4-VSL-17-040325 |
| Q1730-07 | OU4-PCS-TC-21-040325 |
| Q1730-08 | OU4-PCS-TC-21-040325 |
| Q1730-09 | OU4-PCS-TC-22-040325 |
| Q1730-10 | OU4-PCS-TC-22-040325 |
| Q1730-11 | OU4-PCS-TC-23-040325 |
| Q1730-12 | OU4-PCS-TC-23-040325 |
| Q1730-13 | OU4-PCS-TC-24-040325 |
| Q1730-14 | OU4-PCS-TC-24-040325 |
| Q1730-15 | OU4-PCS-TC-25-040325 |
| Q1730-16 | OU4-PCS-TC-25-040325 |
| Q1730-17 | OU4-PCS-TC-26-040325 |
| Q1730-18 | OU4-PCS-TC-26-040325 |
| Q1730-19 | OU4-CF-15-040325 |
| Q1730-20 | OU4-CF-15-040325 |

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: 4/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Nobis Group**
**Project Name: Raymark Superfund Site**
**Project # N/A**
**Chemtech Project # Q1730**
**Test Name: PCB**

**A. Number of Samples and Date of Receipt:**
20 Solid samples were received on 04/04/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for PCB.

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

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

The Surrogate recoveries met the acceptable criteria except for OU4-CF-15-040325 [Tetrachloro-m-xylene(2) - 138%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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**E. Additional Comments:**
The not QT review data is reported in the Miscellaneous.
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: Q1730 MATRIX: Solid

METHOD: 8082A/3541

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. | | | ✓ |
| 2. | Standard Summary Submitted. | | | ✓ |
| 3. | Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.<br><br>The Initial Calibration met the requirements .<br><br>The Continuous Calibration met the requirements . | | | ✓ |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 5. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.<br><br>The Surrogate recoveries met the acceptable criteria except for OU4-CF-15-040325 [Tetrachloro-m-xylene(2) - 138%]AS per method one surrogate allowed to fail to meet the criteria per column. No further corrective action was taken. | | ✓ | |
| 6. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The MS recoveries met the requirements for all compounds.<br><br>The MSD recoveries met the acceptable requirements.<br><br>The Blank Spike met requirements for all samples .<br><br>The RPD met criteria . | | ✓ | |
| 7. | Retention Time Shift Meet Criteria (if applicable)<br><br>Comments: | | | ✓ |
| 8. | Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample: | | | ✓ |

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

| | | NA | NO | YES |
|---|---|---|---|---|
| 9. | Analysis Holding Time Met | | | ✓ |
| | If not met, list those compounds and their recoveries which fall outside the acceptable range. | | | |

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

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 #:** **Q1730**

| | 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:** **04/16/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1730 | **OrderDate:** | 4/4/2025 10:51:00 AM |
| **Client:** | Nobis Group | **Project:** | Raymark Superfund Site |
| **Contact:** | Adam Roy | **Location:** | L31,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1730-01** | **OU4-VSL-15-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/07/25 | |
| **Q1730-03** | **OU4-VSL-16-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/07/25 | |
| **Q1730-05** | **OU4-VSL-17-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-07** | **OU4-PCS-TC-21-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-09** | **OU4-PCS-TC-22-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-11** | **OU4-PCS-TC-23-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-13** | **OU4-PCS-TC-24-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-15** | **OU4-PCS-TC-25-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-17** | **OU4-PCS-TC-26-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |
| | | | PCB | 8082A | | 04/07/25 | 04/08/25 | |
| **Q1730-19** | **OU4-CF-15-040325** | **SOIL** | | | **04/03/25** | | | **04/04/25** |

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## LAB CHRONICLE

| | | | |
|---|---|---|---|
| PCB | 8082A | 04/07/25 | 04/08/25 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1730 **Order ID:** Q1730

**Client:** Nobis Group **Project ID:** Raymark Superfund Site

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

**Client ID :**

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

# QC
# SUMMARY

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## Surrogate Summary

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO109971.D | PIBLK-PO109971.D | Tetrachloro-m-xylene | 1 | 20 | 18.5 | 93 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 20.0 | 100 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.6 | 93 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 21.3 | 107 | | 60 | 140 |
| I.BLK-PO110267.D | PIBLK-PO110267.D | Tetrachloro-m-xylene | 1 | 20 | 19.5 | 97 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 18.4 | 92 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.8 | 94 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 15.9 | 79 | | 60 | 140 |
| Q1730-01 | OU4-VSL-15-040325 | Tetrachloro-m-xylene | 1 | 20 | 20.2 | 101 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 17.6 | 88 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.4 | 97 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 15.9 | 79 | | 60 | 125 |
| Q1730-03 | OU4-VSL-16-040325 | Tetrachloro-m-xylene | 1 | 20 | 22.4 | 112 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 19.4 | 97 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.5 | 108 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 16.8 | 84 | | 60 | 125 |
| Q1730-03MS | OU4-VSL-16-040325MS | Tetrachloro-m-xylene | 1 | 20 | 22.8 | 114 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 20.9 | 104 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.8 | 109 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 18.0 | 90 | | 60 | 125 |
| Q1730-03MSD | OU4-VSL-16-040325MSD | Tetrachloro-m-xylene | 1 | 20 | 21.6 | 108 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 19.8 | 99 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.8 | 104 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 17.3 | 86 | | 60 | 125 |
| I.BLK-PO110282.D | PIBLK-PO110282.D | Tetrachloro-m-xylene | 1 | 20 | 19.3 | 97 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 17.2 | 86 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.8 | 94 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 16.2 | 81 | | 60 | 140 |
| PB167469BL | PB167469BL | Tetrachloro-m-xylene | 1 | 20 | 19.0 | 95 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 17.3 | 86 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.3 | 91 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 16.0 | 80 | | 60 | 125 |
| PB167469BS | PB167469BS | Tetrachloro-m-xylene | 1 | 20 | 19.9 | 99 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 19.1 | 95 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.9 | 95 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 17.3 | 86 | | 60 | 125 |
| I.BLK-PO110290.D | PIBLK-PO110290.D | Tetrachloro-m-xylene | 1 | 20 | 19.5 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 17.7 | 89 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.9 | 94 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 16.2 | 81 | | 60 | 140 |
| I.BLK-PO110296.D | PIBLK-PO110296.D | Tetrachloro-m-xylene | 1 | 20 | 18.7 | 93 | | 60 | 140 |

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## Surrogate Summary

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO110296.D | PIBLK-PO110296.D | Decachlorobiphenyl | 1 | 20 | 17.8 | 89 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.7 | 89 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 15.4 | 77 | | 60 | 140 |
| Q1730-05 | OU4-VSL-17-040325 | Tetrachloro-m-xylene | 1 | 20 | 23.2 | 116 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 21.1 | 105 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 110 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 18.1 | 91 | | 60 | 125 |
| Q1730-07 | OU4-PCS-TC-21-040325 | Tetrachloro-m-xylene | 1 | 20 | 20.3 | 102 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 17.1 | 85 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.2 | 96 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 14.1 | 71 | | 60 | 125 |
| Q1730-09 | OU4-PCS-TC-22-040325 | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 104 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 17.9 | 90 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.7 | 98 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 14.8 | 74 | | 60 | 125 |
| Q1730-11 | OU4-PCS-TC-23-040325 | Tetrachloro-m-xylene | 1 | 20 | 20.9 | 104 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 18.0 | 90 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.9 | 99 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 14.8 | 74 | | 60 | 125 |
| Q1730-13 | OU4-PCS-TC-24-040325 | Tetrachloro-m-xylene | 1 | 20 | 20.5 | 102 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 18.9 | 94 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.4 | 97 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 15.7 | 78 | | 60 | 125 |
| I.BLK-PO110306.D | PIBLK-PO110306.D | Tetrachloro-m-xylene | 1 | 20 | 18.2 | 91 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 18.4 | 92 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 17.4 | 87 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 15.3 | 77 | | 60 | 140 |
| I.BLK-PP070916.D | PIBLK-PP070916.D | Tetrachloro-m-xylene | 1 | 20 | 18.8 | 94 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 19.4 | 97 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.1 | 91 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 23.4 | 117 | | 60 | 140 |
| I.BLK-PP071140.D | PIBLK-PP071140.D | Tetrachloro-m-xylene | 1 | 20 | 22.8 | 114 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 23.9 | 119 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.1 | 116 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 21.5 | 108 | | 60 | 140 |
| Q1730-15 | OU4-PCS-TC-25-040325 | Tetrachloro-m-xylene | 1 | 20 | 24.7 | 123 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 23.3 | 116 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 24.8 | 124 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 20.5 | 102 | | 60 | 125 |
| Q1730-17 | OU4-PCS-TC-26-040325 | Tetrachloro-m-xylene | 1 | 20 | 25.1 | 125 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 24.9 | 124 | | 60 | 125 |

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## Surrogate Summary

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| Q1730-17 | OU4-PCS-TC-26-040325 | Tetrachloro-m-xylene | 2 | 20 | 24.8 | 124 | | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 22.0 | 110 | | 60 | 125 |
| Q1730-19 | OU4-CF-15-040325 | Tetrachloro-m-xylene | 1 | 20 | 25.8 | 129 | | 44 | 130 |
| | | Decachlorobiphenyl | 1 | 20 | 24.1 | 121 | | 60 | 125 |
| | | Tetrachloro-m-xylene | 2 | 20 | 27.5 | 138 | * | 44 | 130 |
| | | Decachlorobiphenyl | 2 | 20 | 21.7 | 108 | | 60 | 125 |
| I.BLK-PP071155.D | PIBLK-PP071155.D | Tetrachloro-m-xylene | 1 | 20 | 20.6 | 103 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 21.0 | 105 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.1 | 105 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 18.4 | 92 | | 60 | 140 |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A **DataFile :** PO110271.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:** | **OU4-VSL-16-040325MS** | | | | | | | | | | | |
| Q1730-03MS | AR1016 | 176.1 | 0 | 170 | ug/kg | 97 | | | | 47 | 134 | |
| | AR1260 | 176.1 | 0 | 157 | ug/kg | 89 | | | | 53 | 140 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A **DataFile :** PO110272.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:** | **OU4-VSL-16-040325MSD** | | | | | | | | | | | |
| Q1730-03MSD | AR1016 | 176.2 | 0 | 164 | ug/kg | 93 | | 4 | | 47 | 134 | 20 |
| | AR1260 | 176.2 | 0 | 153 | ug/kg | 87 | | 2 | | 53 | 140 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1730

**Client:** Nobis Group

**Analytical Method:** 8082A **Datafile :** PO110284.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167469BS | AR1016 | 166.6 | 141 | ug/kg | 85 | | | | 47 | 134 | |
| | AR1260 | 166.6 | 134 | ug/kg | 80 | | | | 53 | 140 | |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167469BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: PB167469BL Lab File ID: PO110283.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 04/07/2025

Date Analyzed (1): 04/07/2025 Date Analyzed (2): 04/07/2025

Time Analyzed (1): 19:22 Time Analyzed (2): 19:22

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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 |
|---|---|---|---|---|
| OU4-VSL-15-040325 | Q1730-01 | PO110269.D | 04/07/2025 | 04/07/2025 |
| OU4-VSL-16-040325 | Q1730-03 | PO110270.D | 04/07/2025 | 04/07/2025 |
| OU4-VSL-16-040325MS | Q1730-03MS | PO110271.D | 04/07/2025 | 04/07/2025 |
| OU4-VSL-16-040325MSD | Q1730-03MSD | PO110272.D | 04/07/2025 | 04/07/2025 |
| PB167469BS | PB167469BS | PO110284.D | 04/07/2025 | 04/07/2025 |
| OU4-VSL-17-040325 | Q1730-05 | PO110297.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-21-040325 | Q1730-07 | PO110298.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-22-040325 | Q1730-09 | PO110299.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-23-040325 | Q1730-11 | PO110300.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-24-040325 | Q1730-13 | PO110301.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-25-040325 | Q1730-15 | PP071142.D | 04/08/2025 | 04/08/2025 |
| OU4-PCS-TC-26-040325 | Q1730-17 | PP071143.D | 04/08/2025 | 04/08/2025 |
| OU4-CF-15-040325 | Q1730-19 | PP071144.D | 04/08/2025 | 04/08/2025 |

COMMENTS:

Alliance
TECHNICAL GROUP

# SAMPLE DATA

Raw Data: **PO110269.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-01 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 96.9 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110269.D | 1 | 04/07/25 08:20 | 04/07/25 13:38 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 8.50 | U | 4.10 | 8.50 | 17.5 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.4 | U | 4.10 | 13.4 | 17.5 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.50 | U | 3.80 | 8.50 | 17.5 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.50 | U | 4.10 | 8.50 | 17.5 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.4 | U | 6.10 | 13.4 | 17.5 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.50 | U | 3.30 | 8.50 | 17.5 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.4 | U | 5.20 | 13.4 | 17.5 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.50 | U | 3.70 | 8.50 | 17.5 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 8.50 | U | 3.30 | 8.50 | 17.5 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.2 | | 44 - 130 | | 101% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.6 | | 60 - 125 | | 88% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110269.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 13:38
Operator : YP/AJ
Sample : Q1730-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 183.9E6 | 101.8E6 | 20.206 | 19.404 |
| 2) | SA Decachlor... | 8.741 | 8.690 | 135.7E6 | 38509502 | 17.644 | 15.873 |
| | Target Compounds | | | | | | |

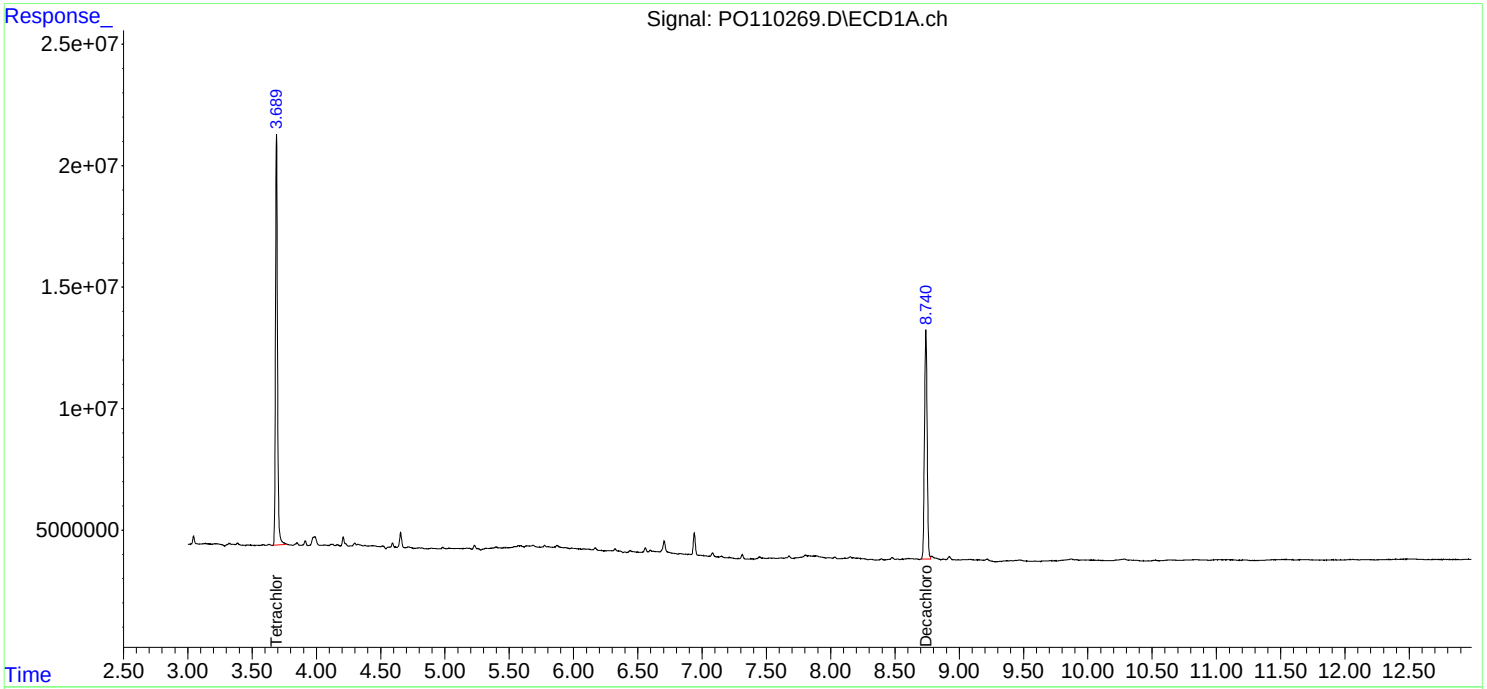
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

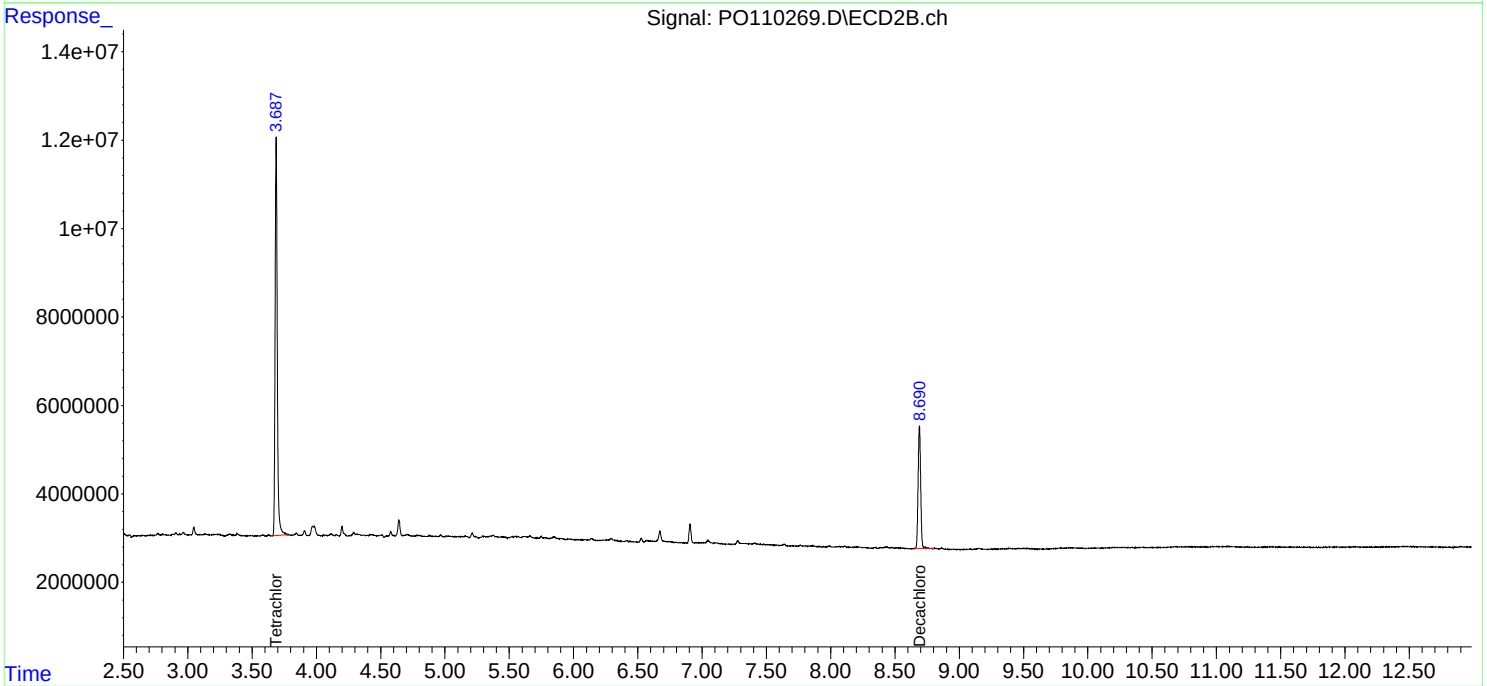
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110269.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 13:38
Operator : YP/AJ
Sample : Q1730-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

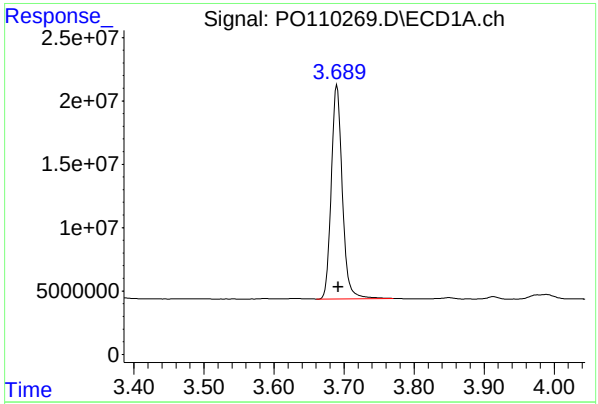
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:27:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



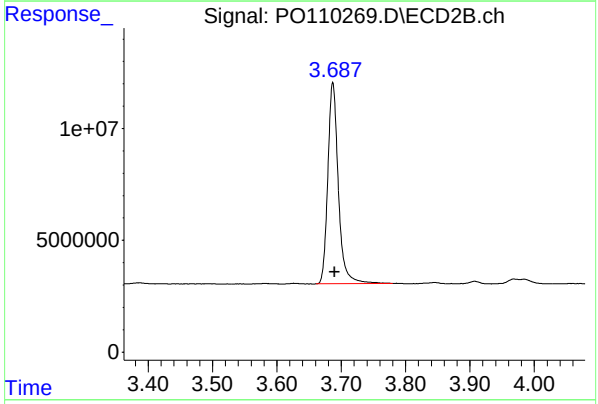






#1 Tetrachloro-m-xylene

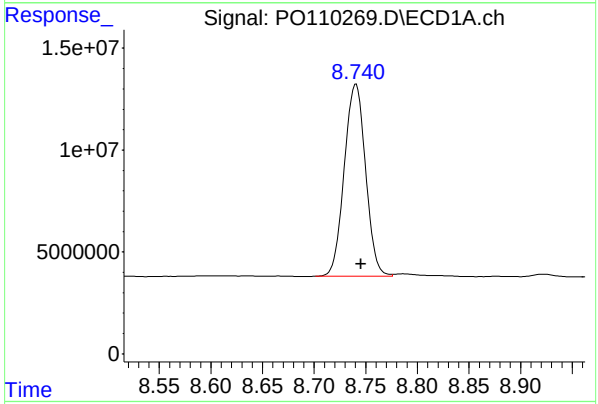
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 183908751
Conc: 20.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-15-040325



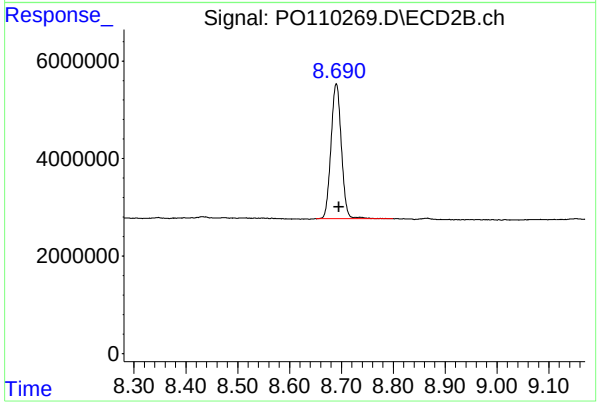

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 101756501
Conc: 19.40 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 135656538
Conc: 17.64 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.690 min
Delta R.T.: -0.006 min
Response: 38509502
Conc: 15.87 ng/ml

Raw Data: **PO110270.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-16-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-03 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.5 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110270.D | 1 | 04/07/25 08:20 | 04/07/25 13:56 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 8.80 | U | 4.20 | 8.80 | 18.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.7 | U | 4.30 | 13.7 | 18.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.80 | U | 3.90 | 8.80 | 18.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.80 | U | 4.20 | 8.80 | 18.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.7 | U | 6.30 | 13.7 | 18.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.80 | U | 3.40 | 8.80 | 18.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.7 | U | 5.30 | 13.7 | 18.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.80 | U | 3.80 | 8.80 | 18.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 8.80 | U | 3.40 | 8.80 | 18.0 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.4 | | 44 - 130 | | 112% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.4 | | 60 - 125 | | 97% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110270.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 13:56
Operator : YP/AJ
Sample : Q1730-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:27:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 203.6E6 | 112.9E6 | 22.365 | 21.523 |
| 2) | SA Decachlor... | 8.740 | 8.690 | 149.1E6 | 40812607 | 19.387 | 16.822 |
| | Target Compounds | | | | | | |

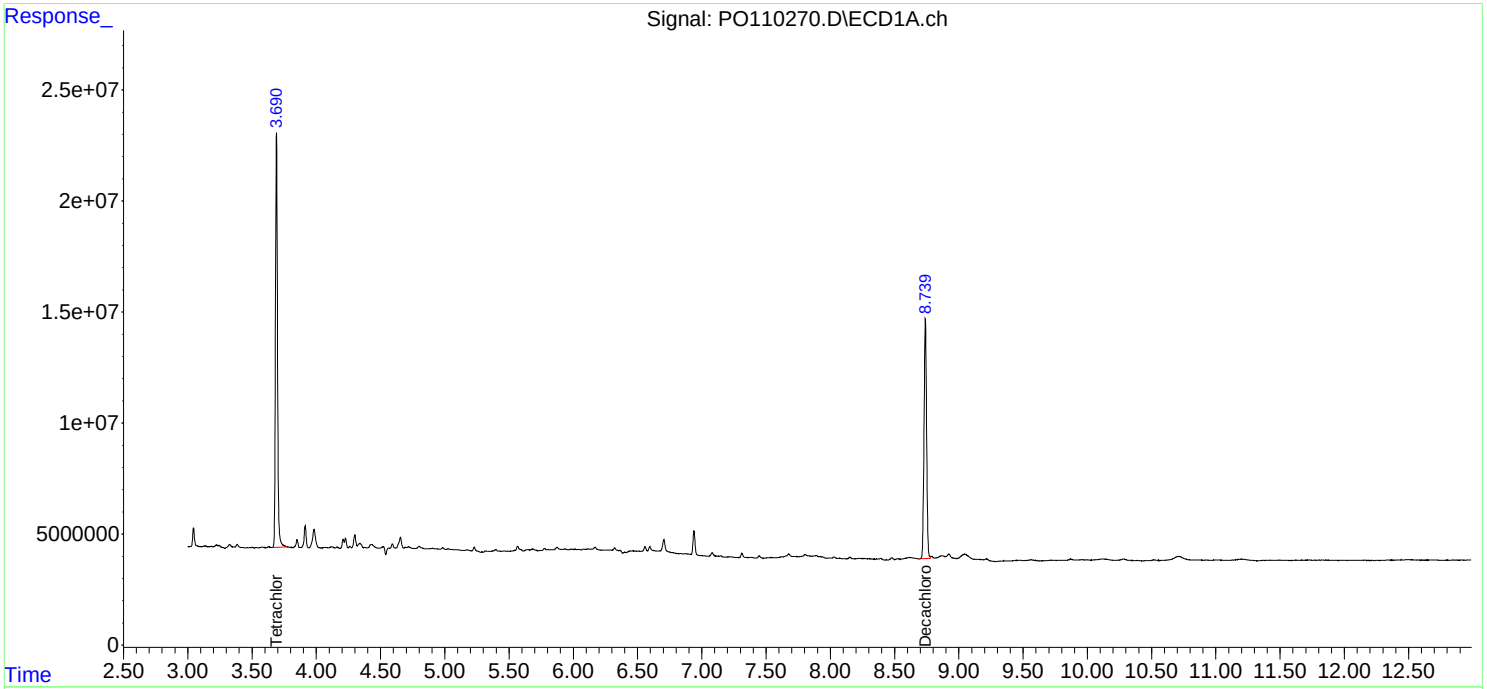
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

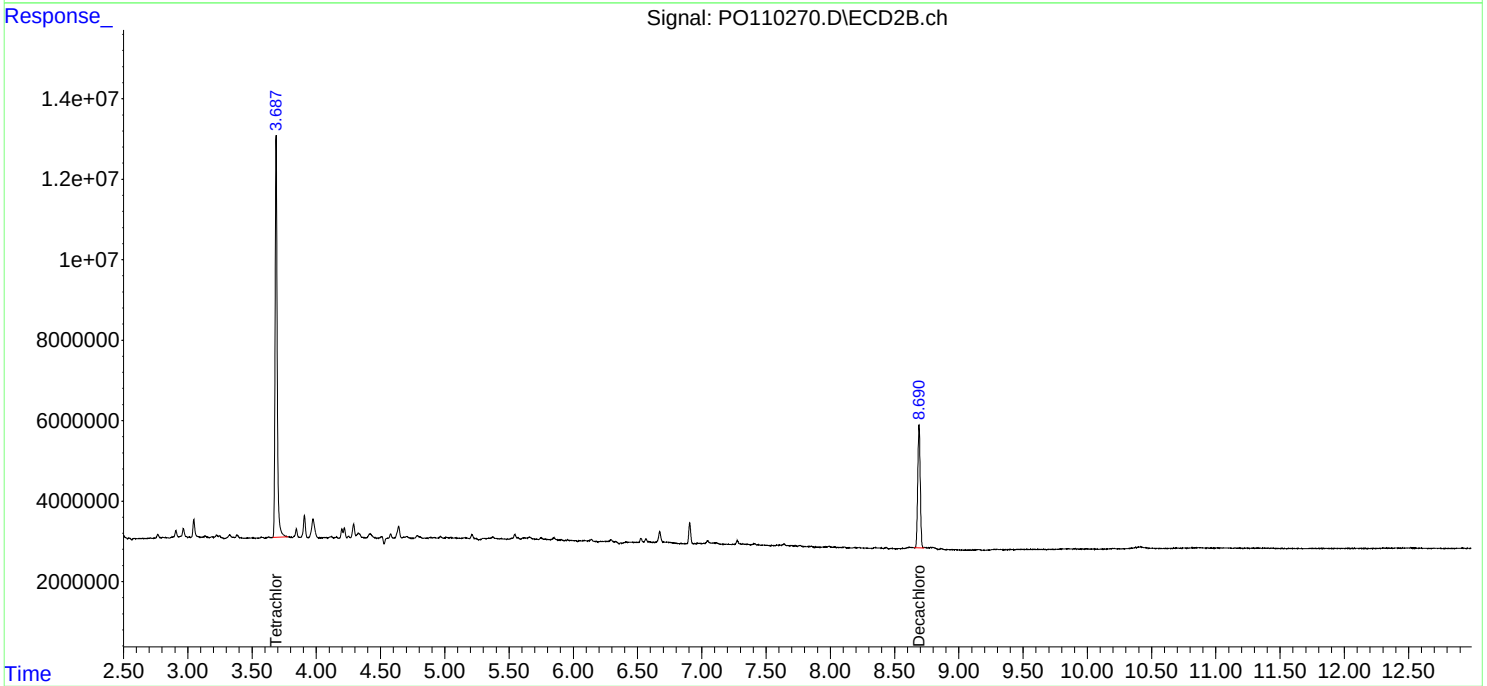
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110270.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 13:56
Operator : YP/AJ
Sample : Q1730-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

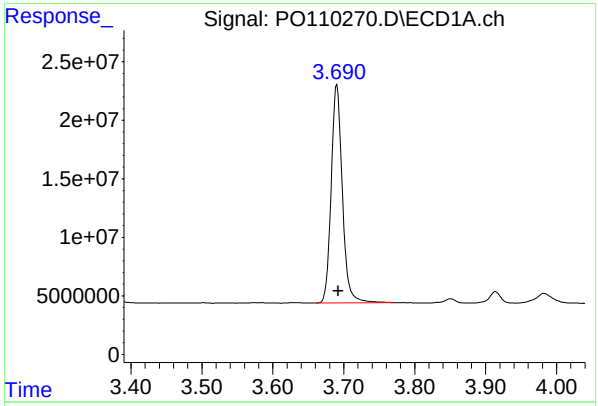
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:27:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



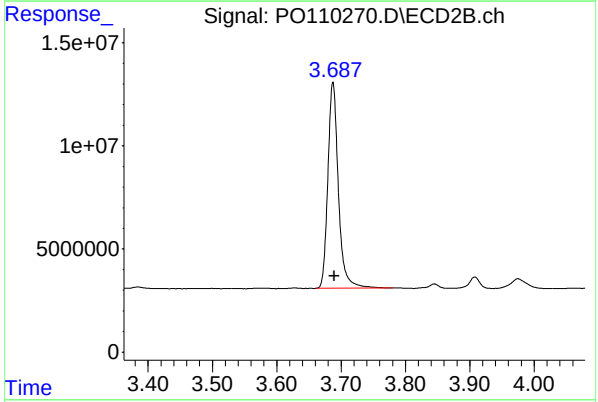






#1 Tetrachloro-m-xylene

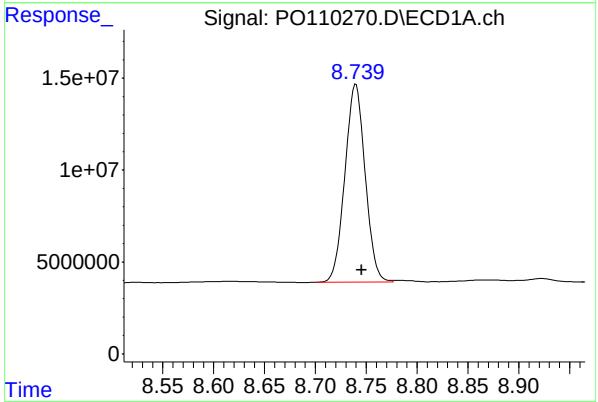
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 203553270
Conc: 22.36 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325



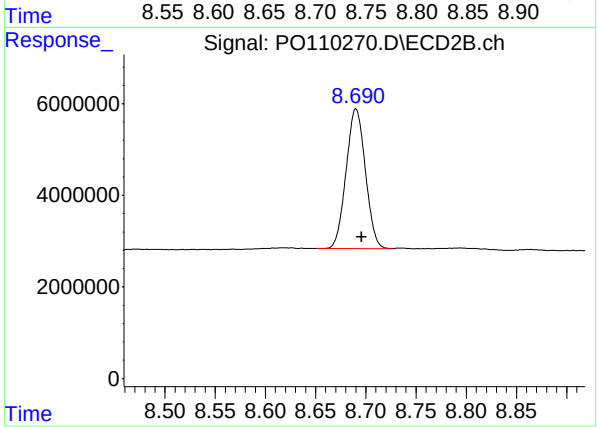

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 112868485
Conc: 21.52 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.006 min
Response: 149058190
Conc: 19.39 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.690 min
Delta R.T.: -0.006 min
Response: 40812607
Conc: 16.82 ng/ml

Raw Data: **PO110297.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-17-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-05 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 92.4 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110297.D | 1 | 04/07/25 08:20 | 04/08/25 10:39 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.00 | U | 4.30 | 9.00 | 18.3 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.0 | U | 4.30 | 14.0 | 18.3 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.00 | U | 4.00 | 9.00 | 18.3 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.00 | U | 4.30 | 9.00 | 18.3 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.0 | U | 6.40 | 14.0 | 18.3 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.00 | U | 3.50 | 9.00 | 18.3 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.0 | U | 5.40 | 14.0 | 18.3 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.00 | U | 3.90 | 9.00 | 18.3 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.00 | U | 3.50 | 9.00 | 18.3 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.2 | | 44 - 130 | | 116% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.1 | | 60 - 125 | | 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

Quantitation Report (QT Reviewed)

Sample Results: **PO110297.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:39
Operator : YP/AJ
Sample : Q1730-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-17-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 211.3E6 | 115.8E6 | 23.218 | 22.077 |
| 2) | SA Decachlor... | 8.740 | 8.691 | 162.1E6 | 43918378 | 21.086 | 18.102 |
| | Target Compounds | | | | | | |

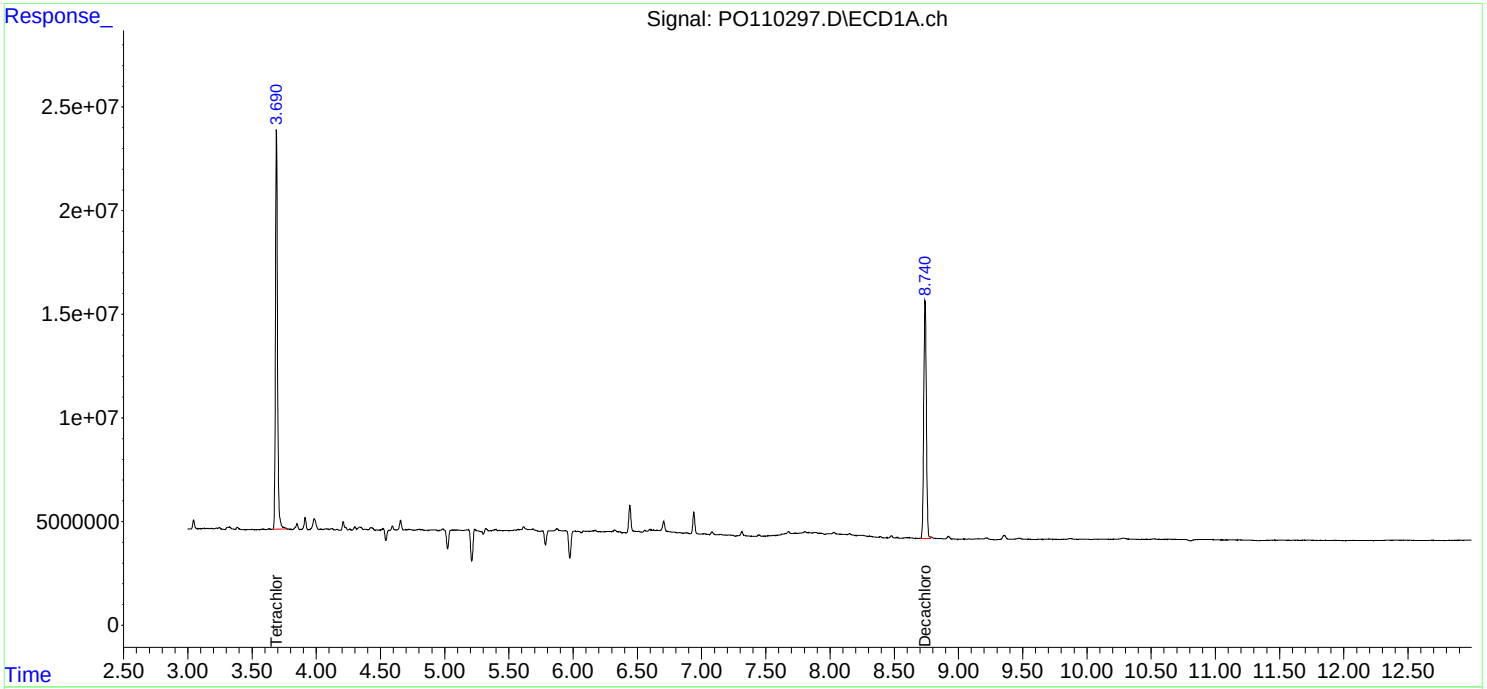
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

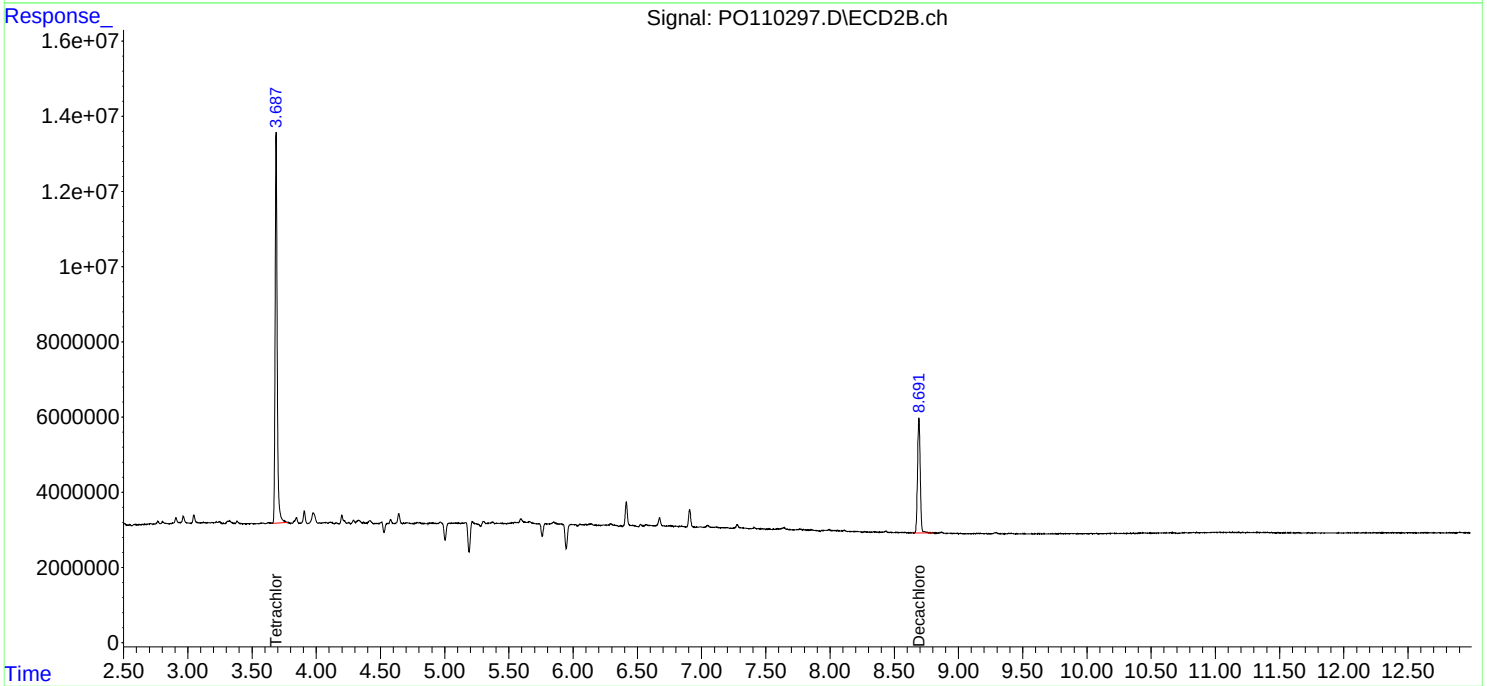
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:39
Operator : YP/AJ
Sample : Q1730-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

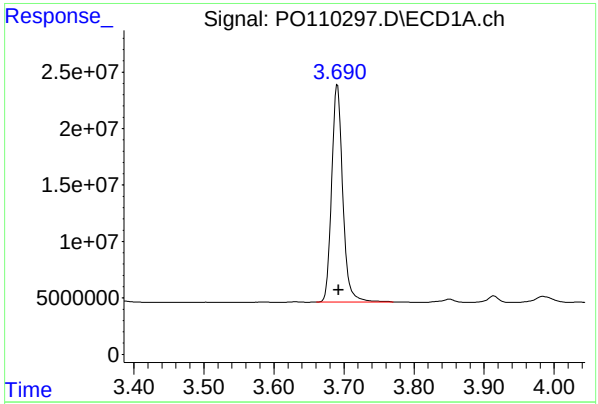
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-17-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:13:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



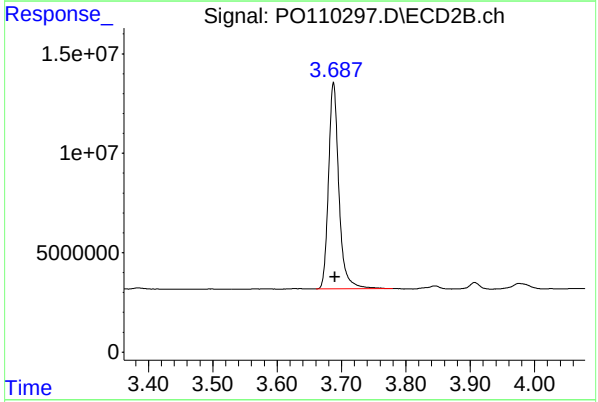






#1 Tetrachloro-m-xylene

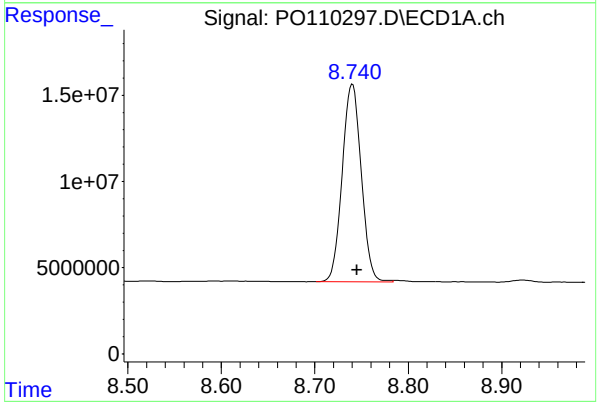
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 211317711
Conc: 23.22 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-17-040325



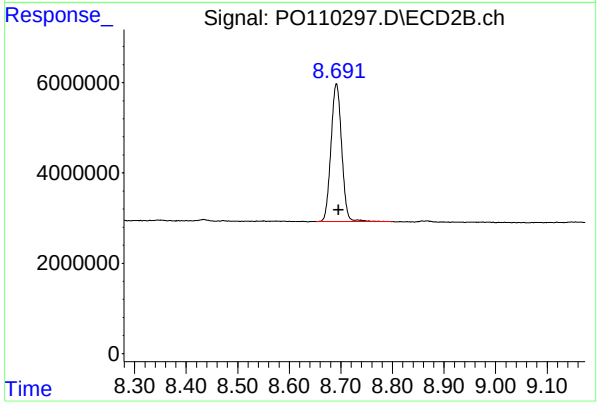

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 115771341
Conc: 22.08 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 162122100
Conc: 21.09 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 43918378
Conc: 18.10 ng/ml

Raw Data: **PO110298.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-21-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-07 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 89 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110298.D | 1 | 04/07/25 08:20 | 04/08/25 10:58 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.30 | U | 4.40 | 9.30 | 19.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.6 | U | 4.50 | 14.6 | 19.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.30 | U | 4.20 | 9.30 | 19.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.30 | U | 4.50 | 9.30 | 19.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.6 | U | 6.60 | 14.6 | 19.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.30 | U | 3.60 | 9.30 | 19.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.6 | U | 5.60 | 14.6 | 19.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.30 | U | 4.00 | 9.30 | 19.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.30 | U | 3.60 | 9.30 | 19.1 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 44 - 130 | | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.1 | | 60 - 125 | | 85% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110298.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:58
Operator : YP/AJ
Sample : Q1730-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-21-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 184.9E6 | 100.8E6 | 20.313 | 19.219 |
| 2) | SA Decachlor... | 8.741 | 8.692 | 131.1E6 | 34240978 | 17.046 | 14.114 |
| | Target Compounds | | | | | | |

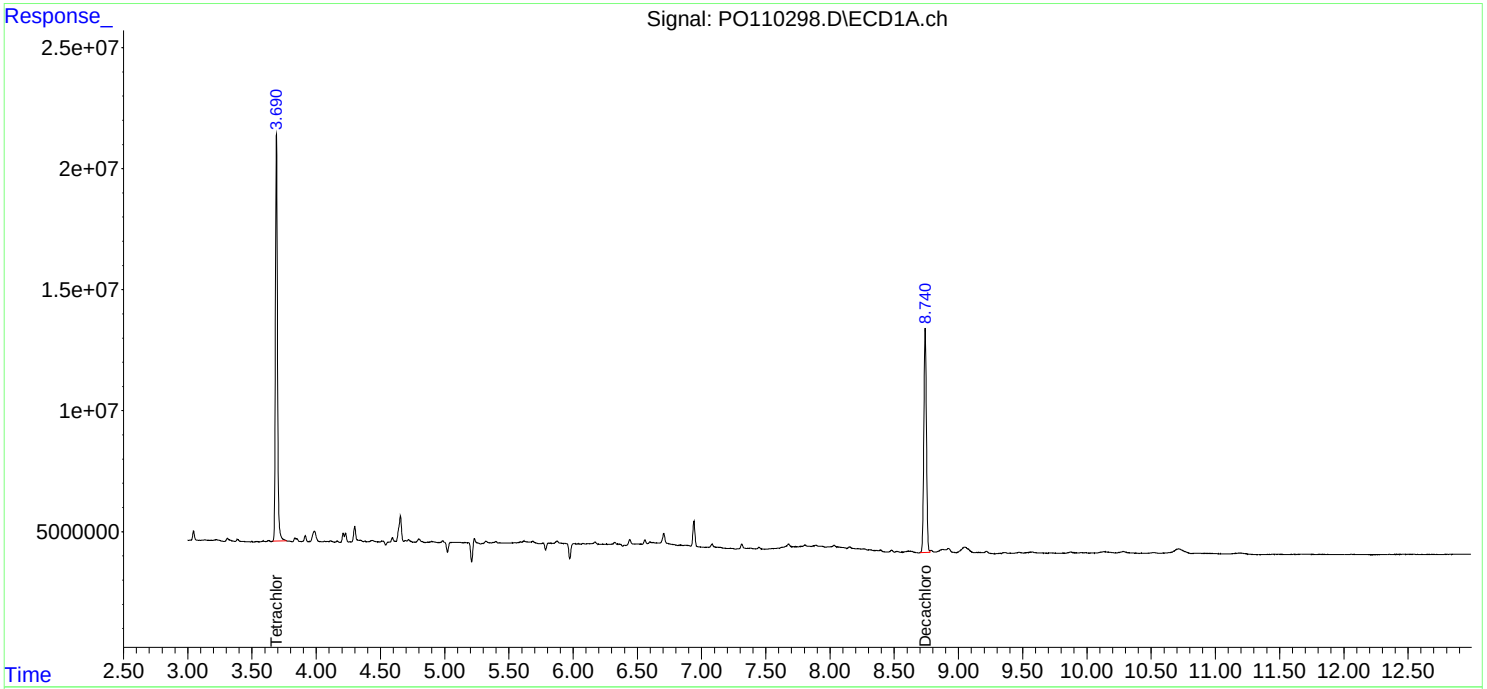
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

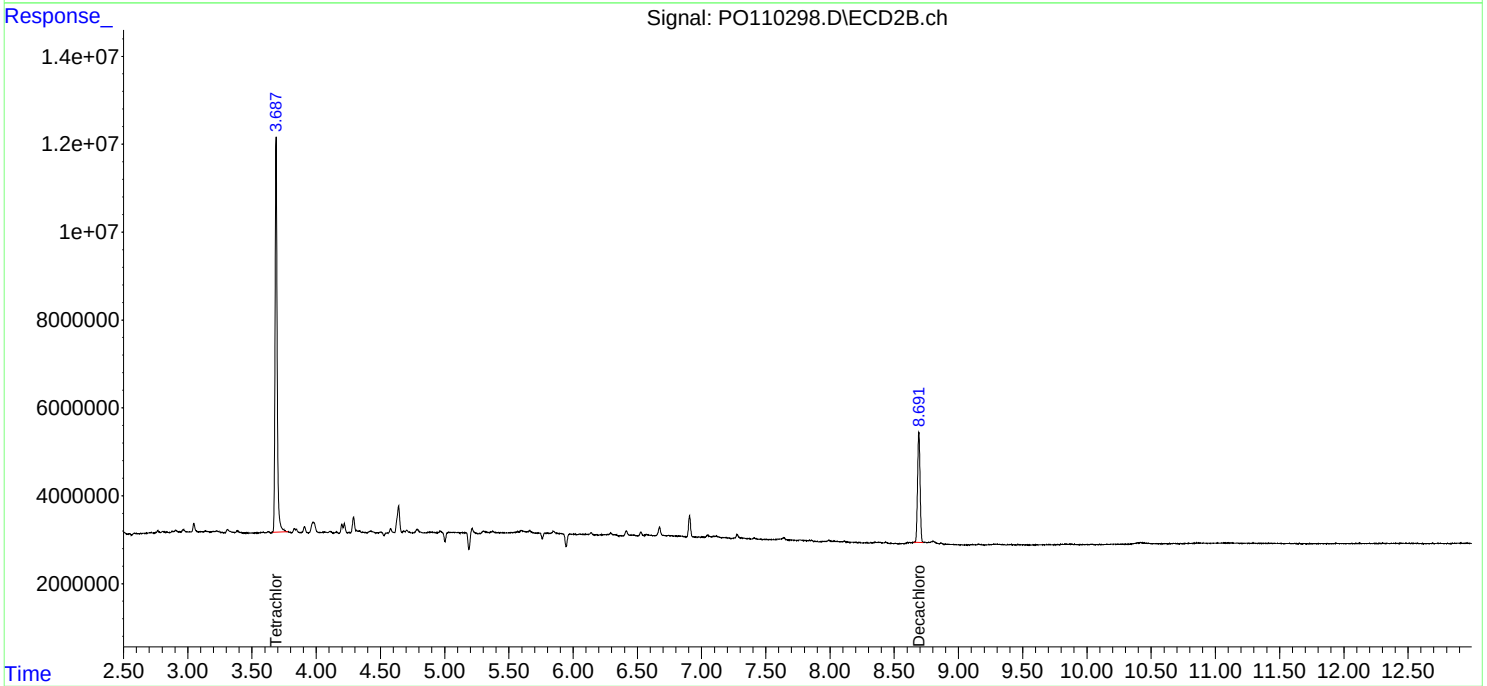
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:58
Operator : YP/AJ
Sample : Q1730-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

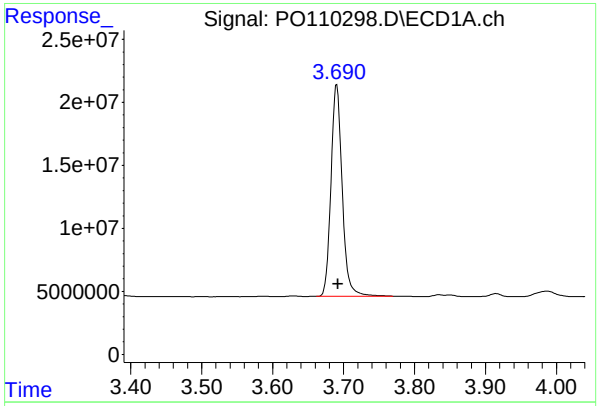
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-21-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:14:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



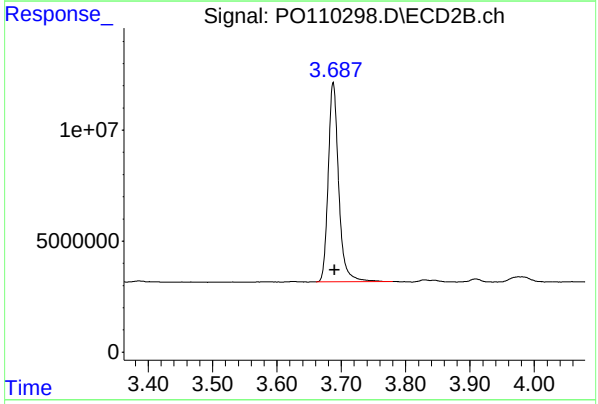






#1 Tetrachloro-m-xylene

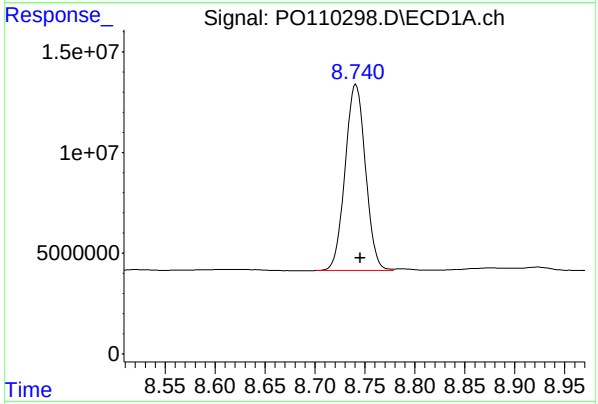
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 184875104
Conc: 20.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-21-040325



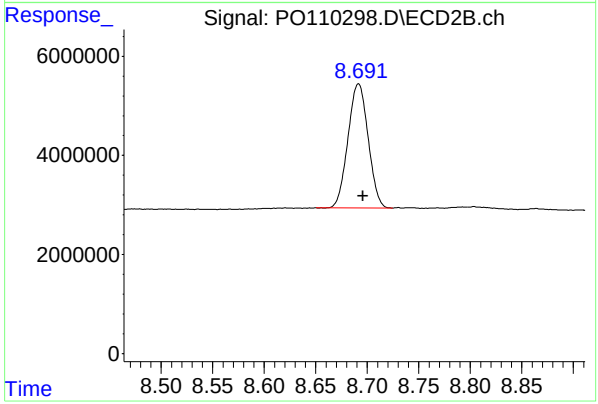

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 100787167
Conc: 19.22 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.004 min
Response: 131063538
Conc: 17.05 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 34240978
Conc: 14.11 ng/ml

Raw Data: **PO110299.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-22-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-09 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 90.8 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110299.D | 1 | 04/07/25 08:20 | 04/08/25 11:16 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.10 | U | 4.30 | 9.10 | 18.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.3 | U | 4.40 | 14.3 | 18.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.10 | U | 4.10 | 9.10 | 18.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.10 | U | 4.40 | 9.10 | 18.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.3 | U | 6.50 | 14.3 | 18.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.10 | U | 3.50 | 9.10 | 18.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.3 | U | 5.50 | 14.3 | 18.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.10 | U | 4.00 | 9.10 | 18.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.10 | U | 3.60 | 9.10 | 18.7 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 44 - 130 | | 104% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.9 | | 60 - 125 | | 90% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110299.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:16
Operator : YP/AJ
Sample : Q1730-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-22-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:32:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.688 | 188.8E6 | 103.3E6 | 20.743 | 19.690 |
| 2) | SA Decachlor... | 8.741 | 8.692 | 138.0E6 | 35929484 | 17.943 | 14.810 |
| | Target Compounds | | | | | | |

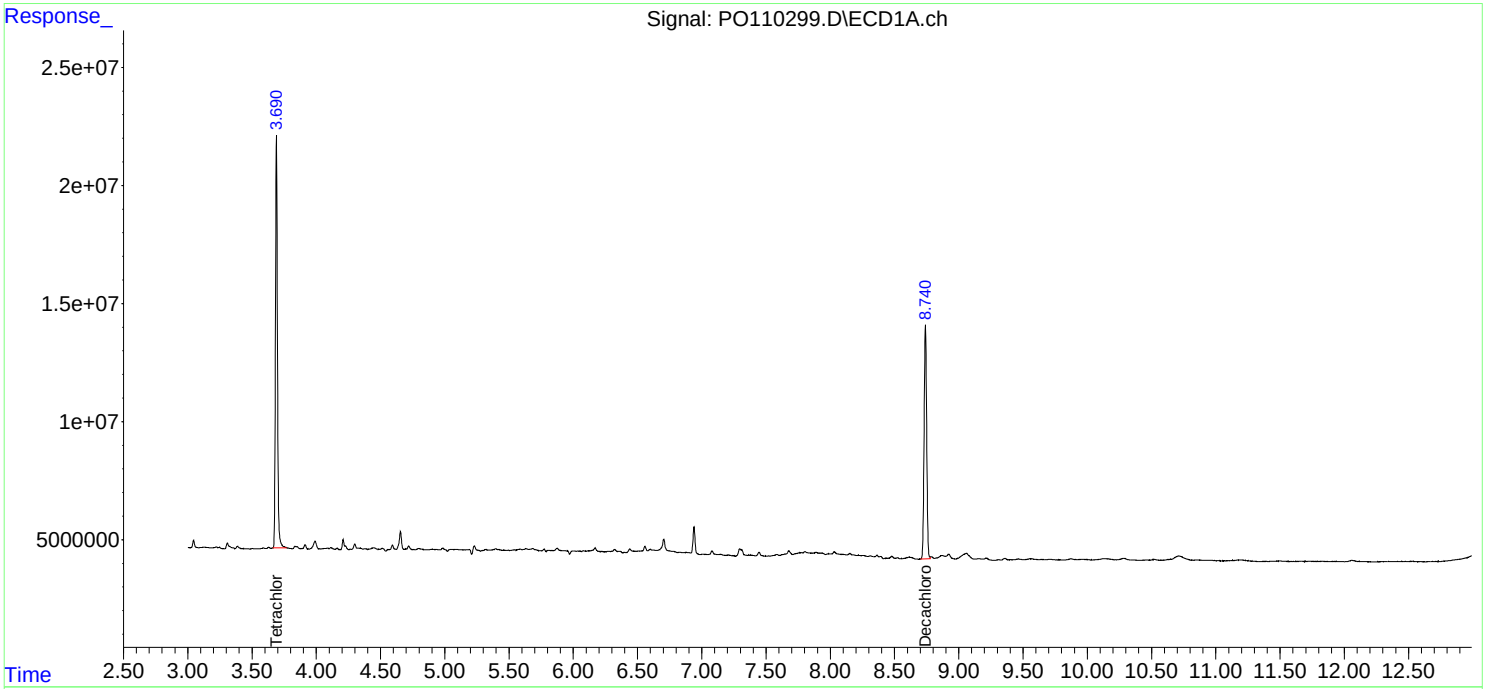
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

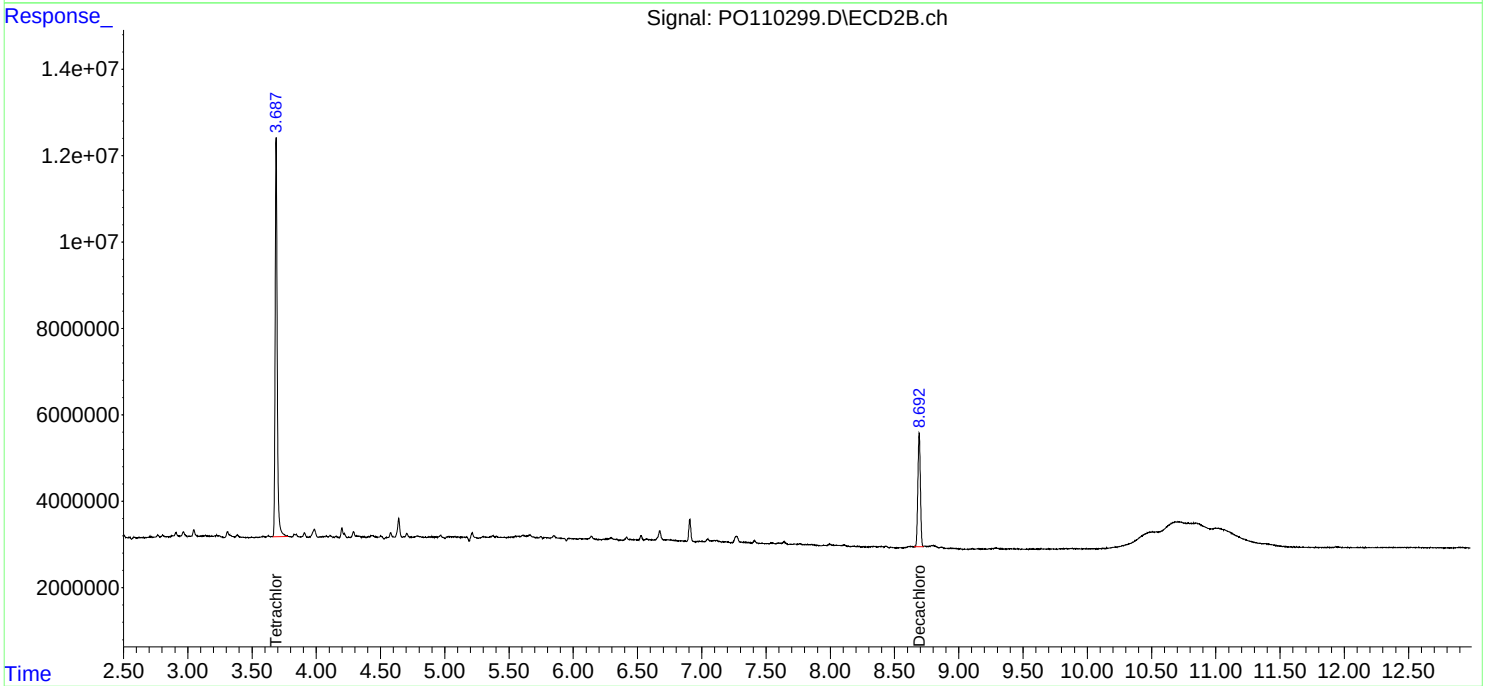
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:16
Operator : YP/AJ
Sample : Q1730-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

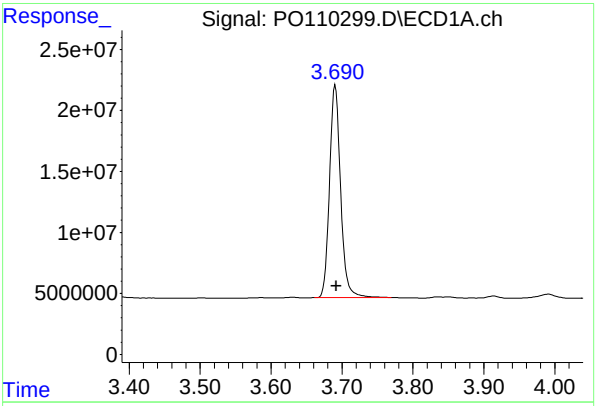
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-22-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:32:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



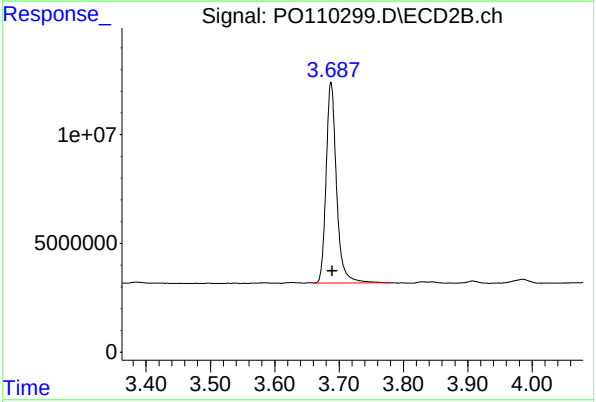






#1 Tetrachloro-m-xylene

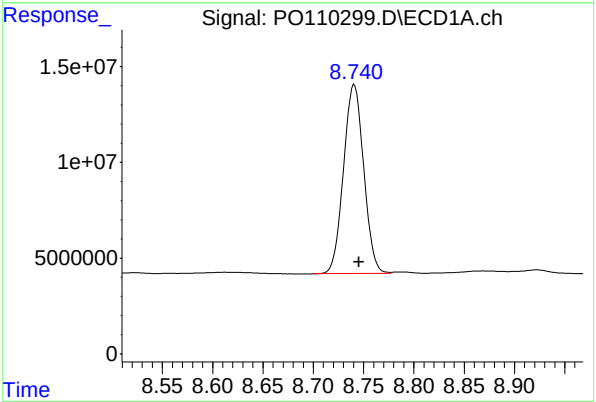
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 188790826
Conc: 20.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-22-040325



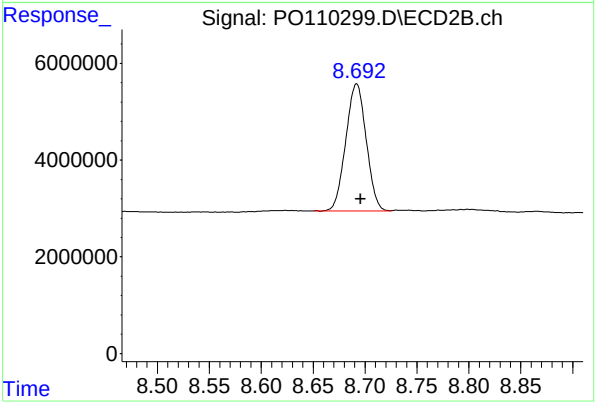

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 103254489
Conc: 19.69 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 137955475
Conc: 17.94 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 35929484
Conc: 14.81 ng/ml

Raw Data: **PO110300.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-23-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-11 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 90.9 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110300.D | 1 | 04/07/25 08:20 | 04/08/25 11:35 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.10 | U | 4.30 | 9.10 | 18.7 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.3 | U | 4.40 | 14.3 | 18.7 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.10 | U | 4.10 | 9.10 | 18.7 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.10 | U | 4.40 | 9.10 | 18.7 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.3 | U | 6.50 | 14.3 | 18.7 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.10 | U | 3.50 | 9.10 | 18.7 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.3 | U | 5.50 | 14.3 | 18.7 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.10 | U | 4.00 | 9.10 | 18.7 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.10 | U | 3.50 | 9.10 | 18.7 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.9 | | 44 - 130 | | 104% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.0 | | 60 - 125 | | 90% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110300.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:35
Operator : YP/AJ
Sample : Q1730-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-23-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.687 | 189.8E6 | 104.3E6 | 20.849 | 19.893 |
| 2) | SA Decachlor... | 8.740 | 8.692 | 138.3E6 | 35798912 | 17.988 | 14.756 |
| | Target Compounds | | | | | | |

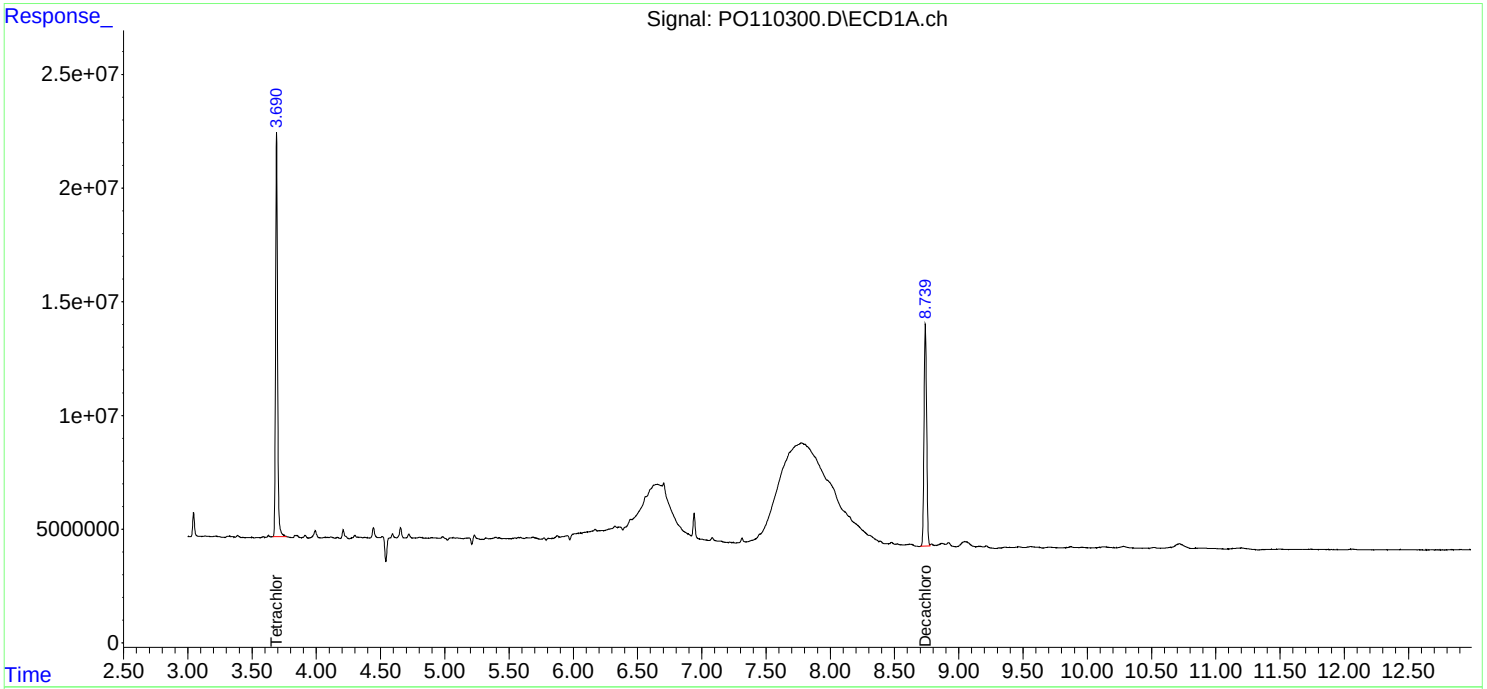
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

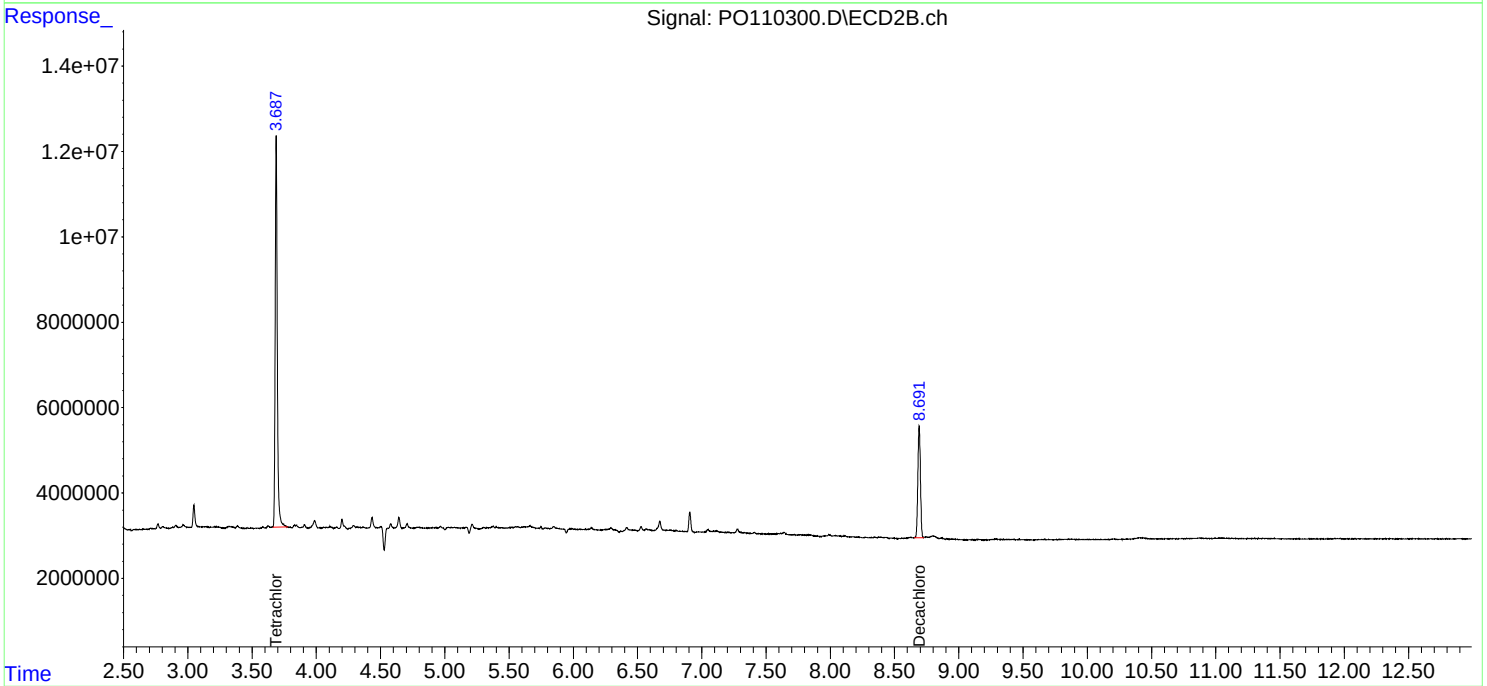
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:35
Operator : YP/AJ
Sample : Q1730-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

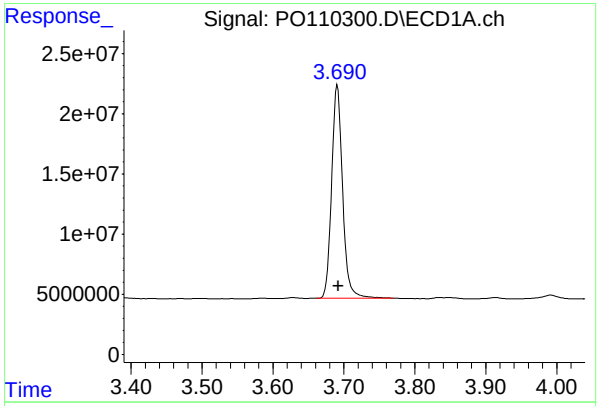
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-23-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



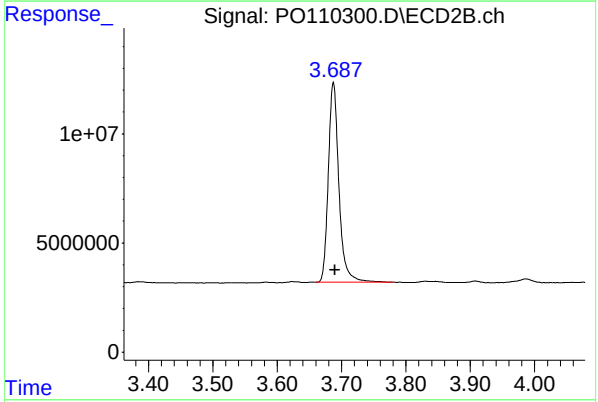






#1 Tetrachloro-m-xylene

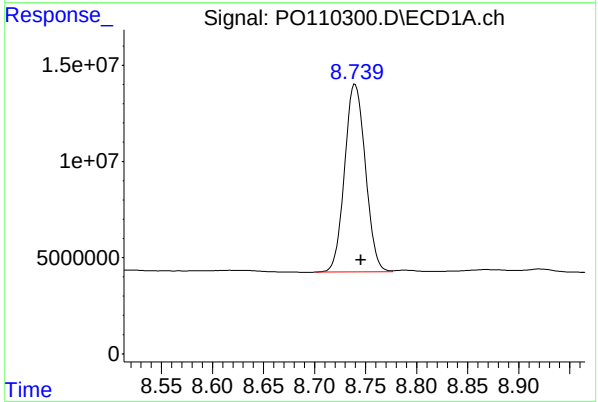
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 189761354
Conc: 20.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-23-040325



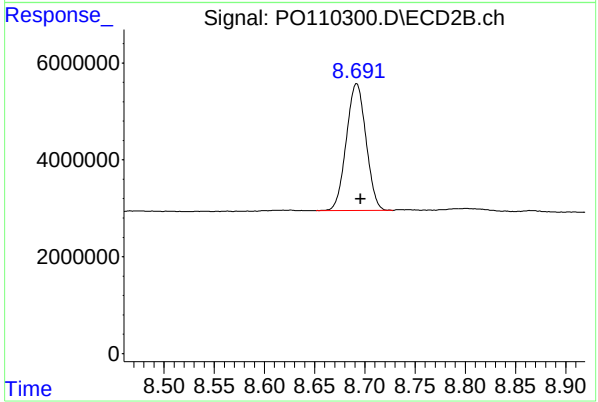

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 104320886
Conc: 19.89 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.006 min
Response: 138303216
Conc: 17.99 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 35798912
Conc: 14.76 ng/ml

Raw Data: **PO110301.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-24-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-13 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 91.3 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110301.D | 1 | 04/07/25 08:20 | 04/08/25 11:53 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.10 | U | 4.30 | 9.10 | 18.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.2 | U | 4.40 | 14.2 | 18.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.10 | U | 4.10 | 9.10 | 18.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.10 | U | 4.40 | 9.10 | 18.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.2 | U | 6.50 | 14.2 | 18.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.10 | U | 3.50 | 9.10 | 18.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.2 | U | 5.50 | 14.2 | 18.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.10 | U | 3.90 | 9.10 | 18.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.10 | U | 3.50 | 9.10 | 18.6 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.5 | | 44 - 130 | | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.9 | | 60 - 125 | | 94% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110301.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:53
Operator : YP/AJ
Sample : Q1730-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-24-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 186.4E6 | 101.7E6 | 20.482 | 19.389 |
| 2) | SA Decachlor... | 8.741 | 8.691 | 145.2E6 | 37966376 | 18.886 | 15.649 |
| | Target Compounds | | | | | | |

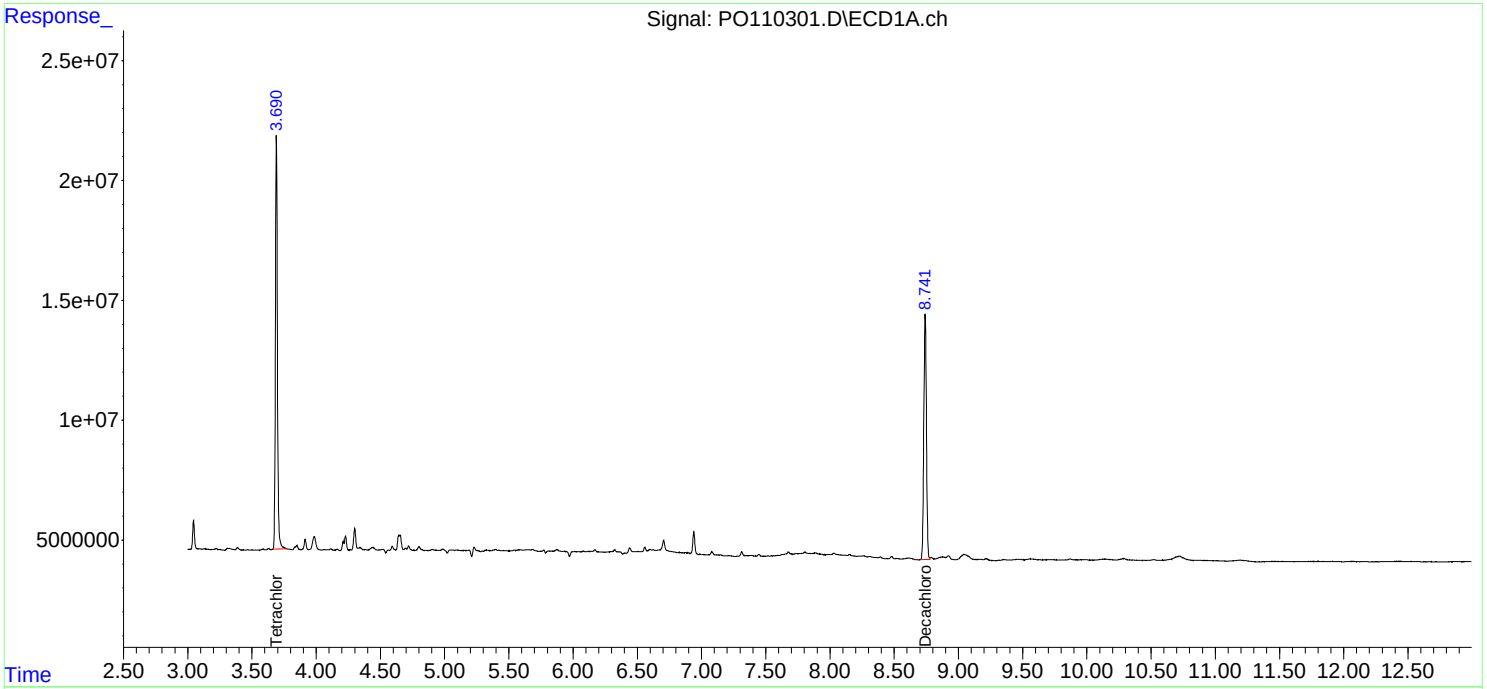
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

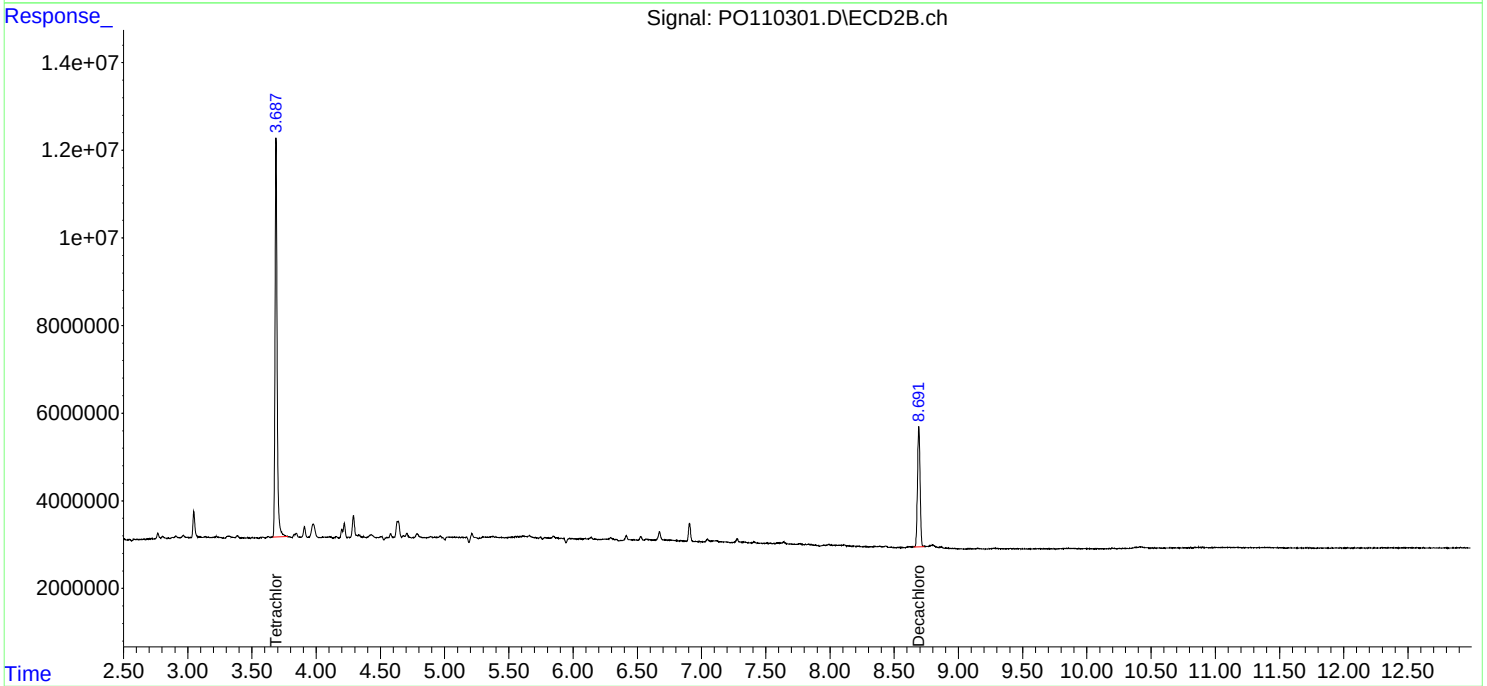
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:53
Operator : YP/AJ
Sample : Q1730-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

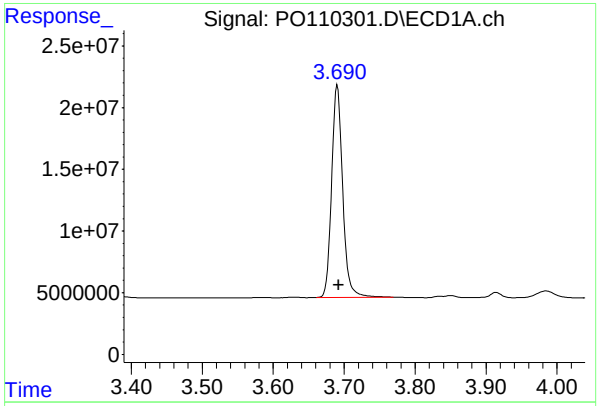
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-24-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



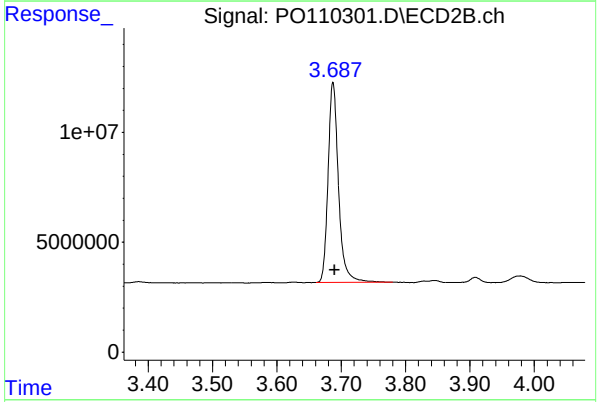






#1 Tetrachloro-m-xylene

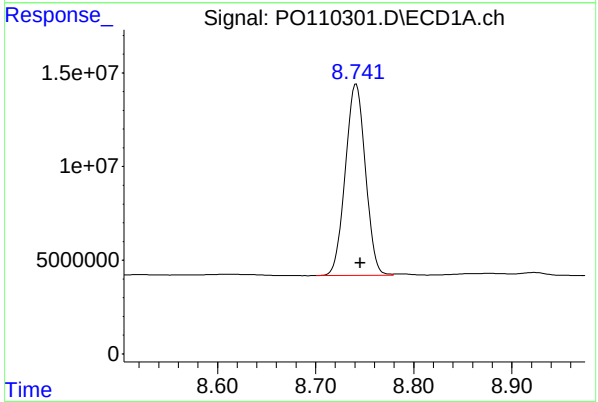
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 186415453
Conc: 20.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-PCS-TC-24-040325



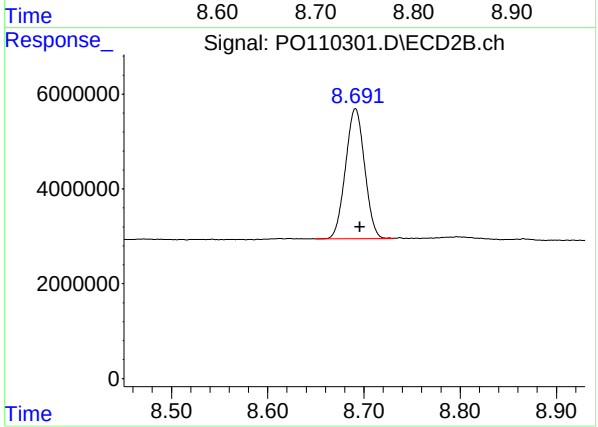

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 101677050
Conc: 19.39 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.004 min
Response: 145207235
Conc: 18.89 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 37966376
Conc: 15.65 ng/ml

Raw Data: **PP071142.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-25-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-15 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 92.5 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP071142.D | 1 | 04/07/25 08:20 | 04/08/25 11:39 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.00 | U | 4.30 | 9.00 | 18.3 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.0 | U | 4.30 | 14.0 | 18.3 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.00 | U | 4.00 | 9.00 | 18.3 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.00 | U | 4.30 | 9.00 | 18.3 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.0 | U | 6.40 | 14.0 | 18.3 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.00 | U | 3.50 | 9.00 | 18.3 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.0 | U | 5.40 | 14.0 | 18.3 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.00 | U | 3.90 | 9.00 | 18.3 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.00 | U | 3.50 | 9.00 | 18.3 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 24.8 | | 44 - 130 | | 124% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.3 | | 60 - 125 | | 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

Quantitation Report (QT Reviewed)

Sample Results: **PP071142.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:39
Operator : YP\AJ
Sample : Q1730-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:00:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.514 | 3.815 | 36065391 | 25688268 | 24.676 | 24.780 |
| 2) | SA Decachlor... | 10.242 | 8.859 | 24468736 | 16145301 | 23.246 | 20.484 |
| | Target Compounds | | | | | | |

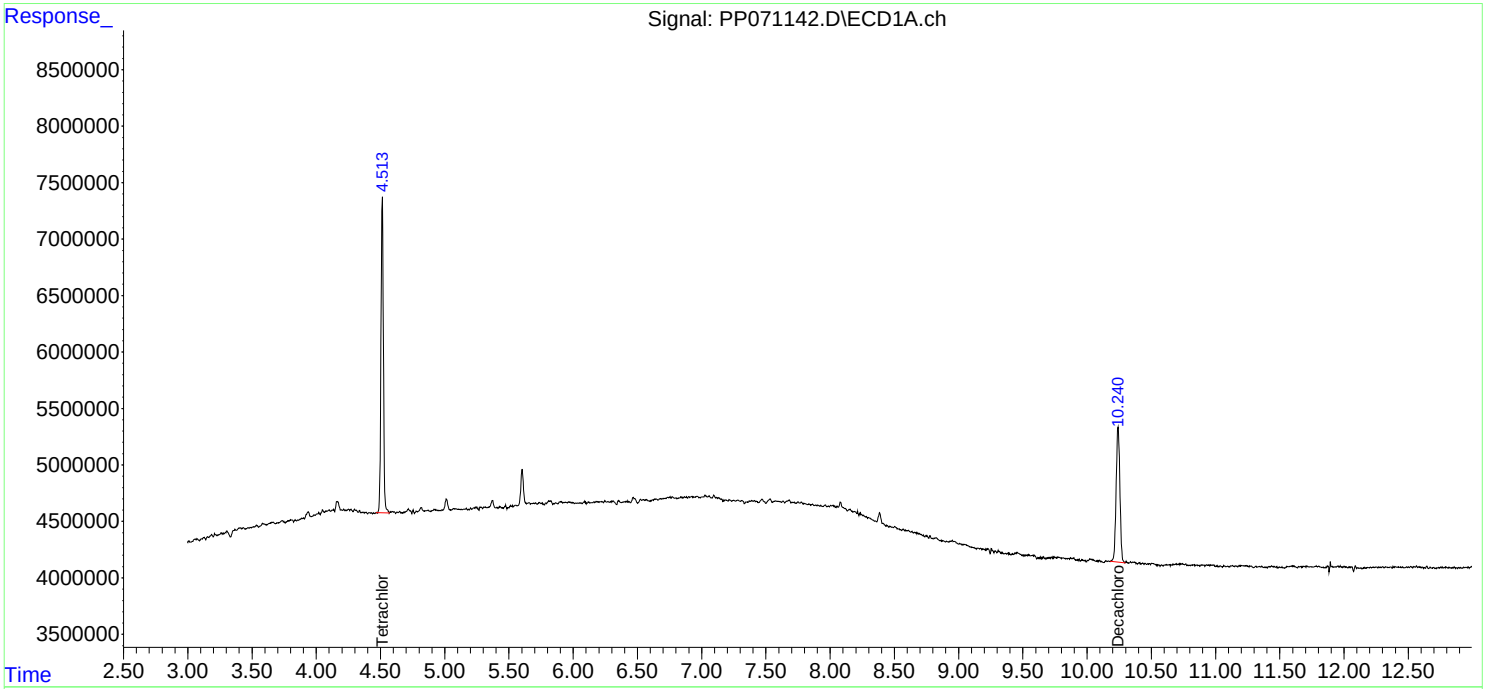
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

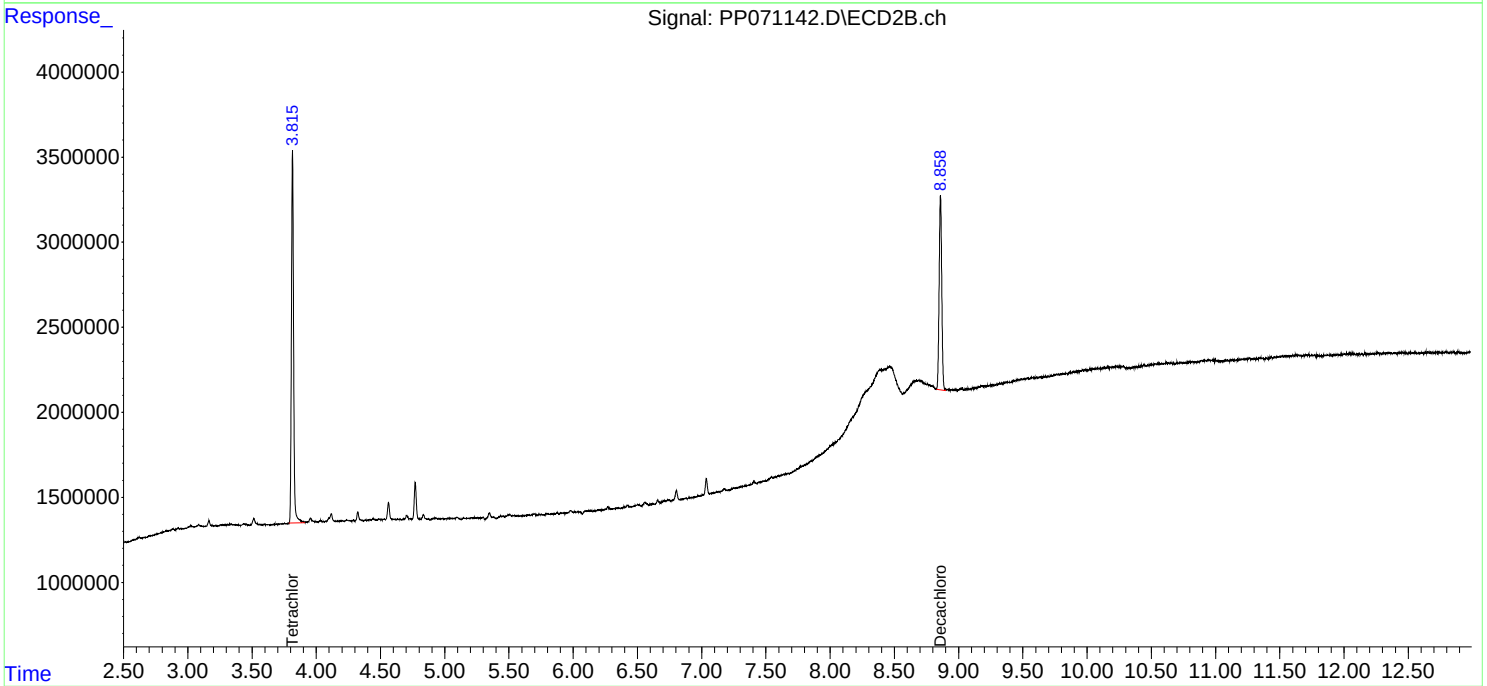
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:39
Operator : YP\AJ
Sample : Q1730-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

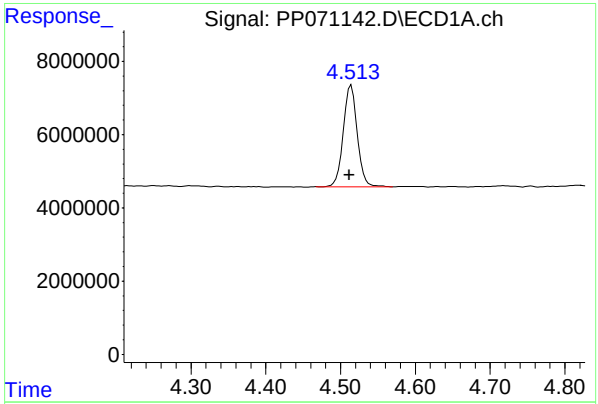
**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-25-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:00:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



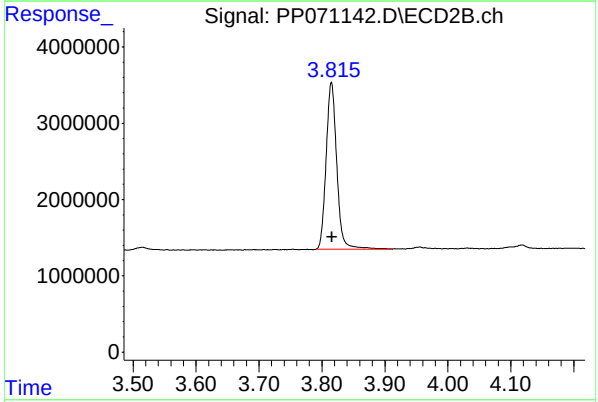






#1 Tetrachloro-m-xylene

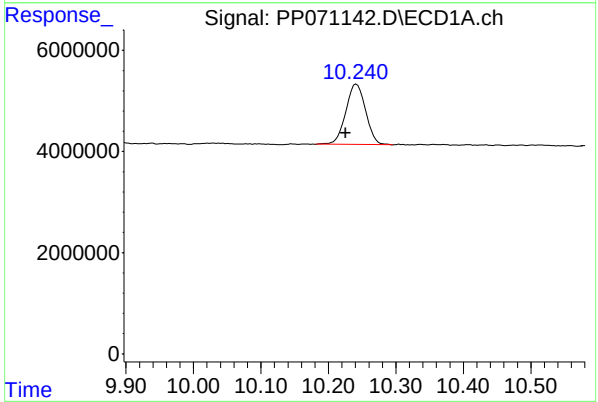
R.T.: 4.514 min
Delta R.T.: 0.002 mi
Response: 36065391
Conc: 24.68 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-25-040325



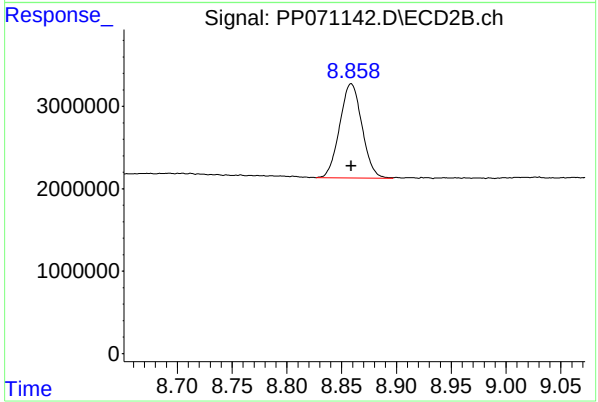

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 25688268
Conc: 24.78 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: 0.016 min
Response: 24468736
Conc: 23.25 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 16145301
Conc: 20.48 ng/ml

Raw Data: **PP071143.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-PCS-TC-26-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-17 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 92.1 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP071143.D | 1 | 04/07/25 08:20 | 04/08/25 11:56 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 9.00 | U | 4.30 | 9.00 | 18.4 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 14.1 | U | 4.40 | 14.1 | 18.4 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 9.00 | U | 4.00 | 9.00 | 18.4 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 9.00 | U | 4.30 | 9.00 | 18.4 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 14.1 | U | 6.40 | 14.1 | 18.4 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 9.00 | U | 3.50 | 9.00 | 18.4 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 14.1 | U | 5.40 | 14.1 | 18.4 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 9.00 | U | 3.90 | 9.00 | 18.4 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 9.00 | U | 3.50 | 9.00 | 18.4 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 25.1 | | 44 - 130 | | 125% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 24.9 | | 60 - 125 | | 124% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP071143.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:56
Operator : YP\AJ
Sample : Q1730-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:13:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 | 3.815 | 36660054 | 25694077 | 25.083 | 24.786 |
| 2) | SA Decachlor... | 10.246 | 8.859 | 26192698 | 17327330 | 24.883 | 21.984 |
| | Target Compounds | | | | | | |

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

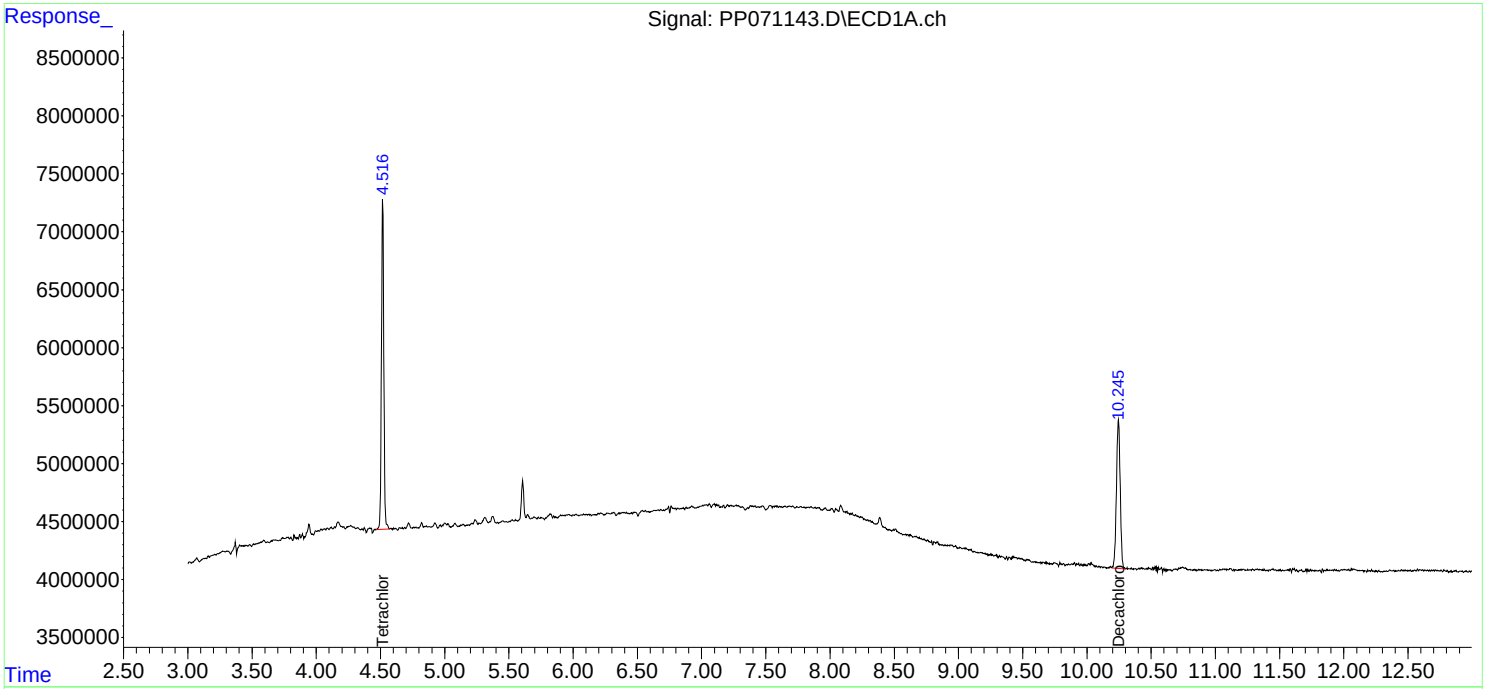
Sample Results: **PP071143.D**

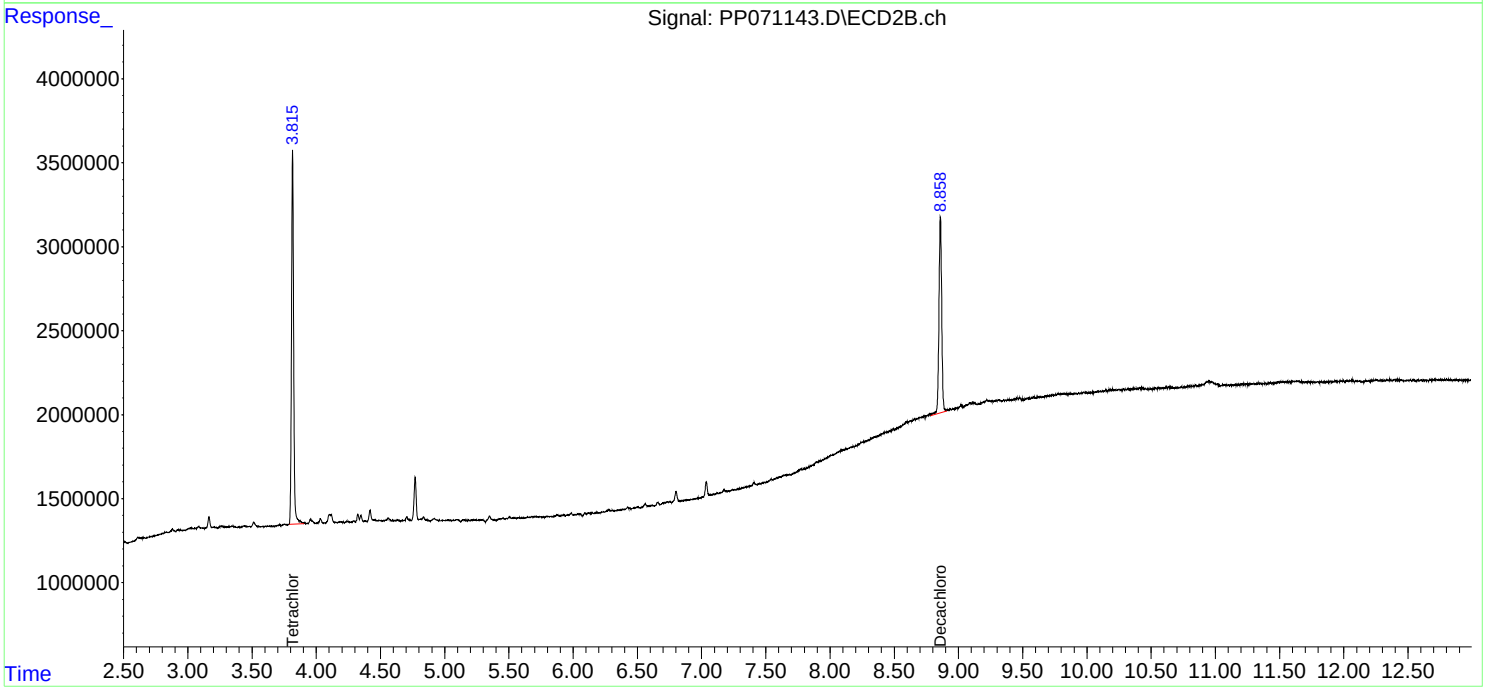
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:56
Operator : YP\AJ
Sample : Q1730-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

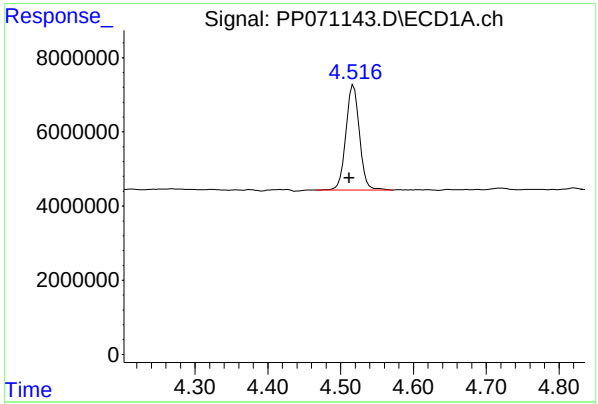
**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-26-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:13:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



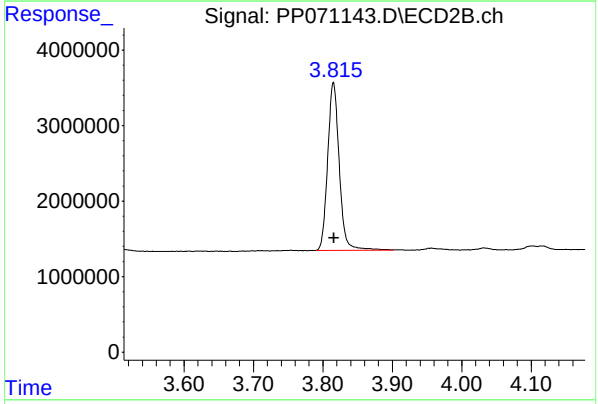






#1 Tetrachloro-m-xylene

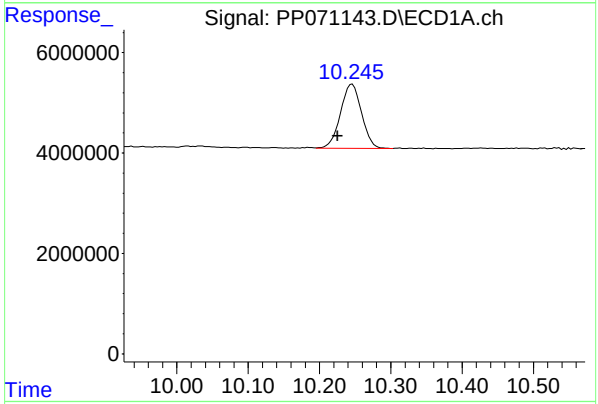
R.T.: 4.518 min
Delta R.T.: 0.006 min
Response: 36660054
Conc: 25.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-PCS-TC-26-040325



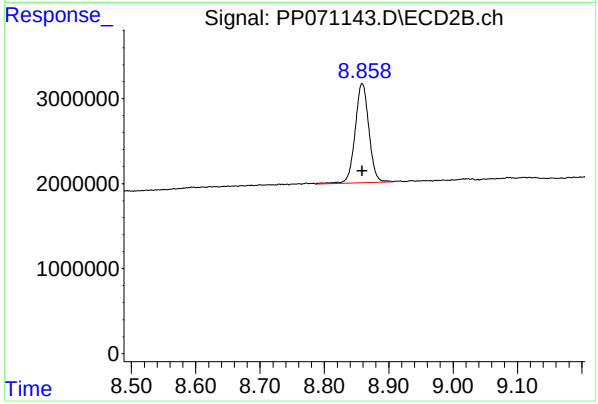

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 25694077
Conc: 24.79 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: 0.021 min
Response: 26192698
Conc: 24.88 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 17327330
Conc: 21.98 ng/ml

Raw Data: **PP071144.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-CF-15-040325 | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-19 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 93.9 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP071144.D | 1 | 04/07/25 08:20 | 04/08/25 12:12 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 8.80 | U | 4.20 | 8.80 | 18.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.8 | U | 4.30 | 13.8 | 18.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.80 | U | 4.00 | 8.80 | 18.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.80 | U | 4.30 | 8.80 | 18.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.8 | U | 6.30 | 13.8 | 18.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.80 | U | 3.40 | 8.80 | 18.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.8 | U | 5.30 | 13.8 | 18.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.80 | U | 3.80 | 8.80 | 18.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 8.80 | U | 3.40 | 8.80 | 18.1 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 27.5 | * | 44 - 130 | | 138% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 24.1 | | 60 - 125 | | 121% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP071144.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 12:12
Operator : YP\AJ
Sample : Q1730-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-CF-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.516 | 3.815 | 37706422 | 28536768 | 25.798 | 27.528 |
| 2) | SA Decachlor... | 10.242 | 8.859 | 25401796 | 17071245 | 24.132 | 21.659 |
| | Target Compounds | | | | | | |

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

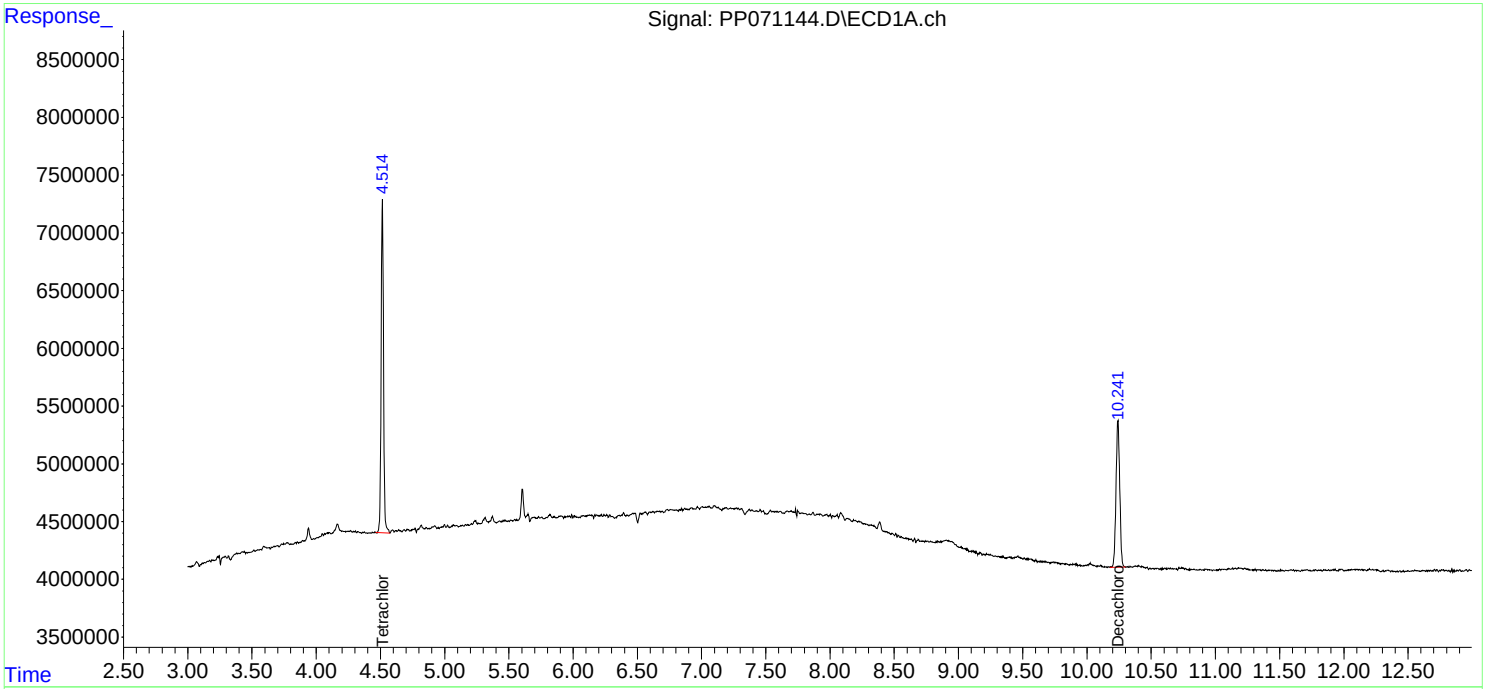
Sample Results: **PP071144.D**

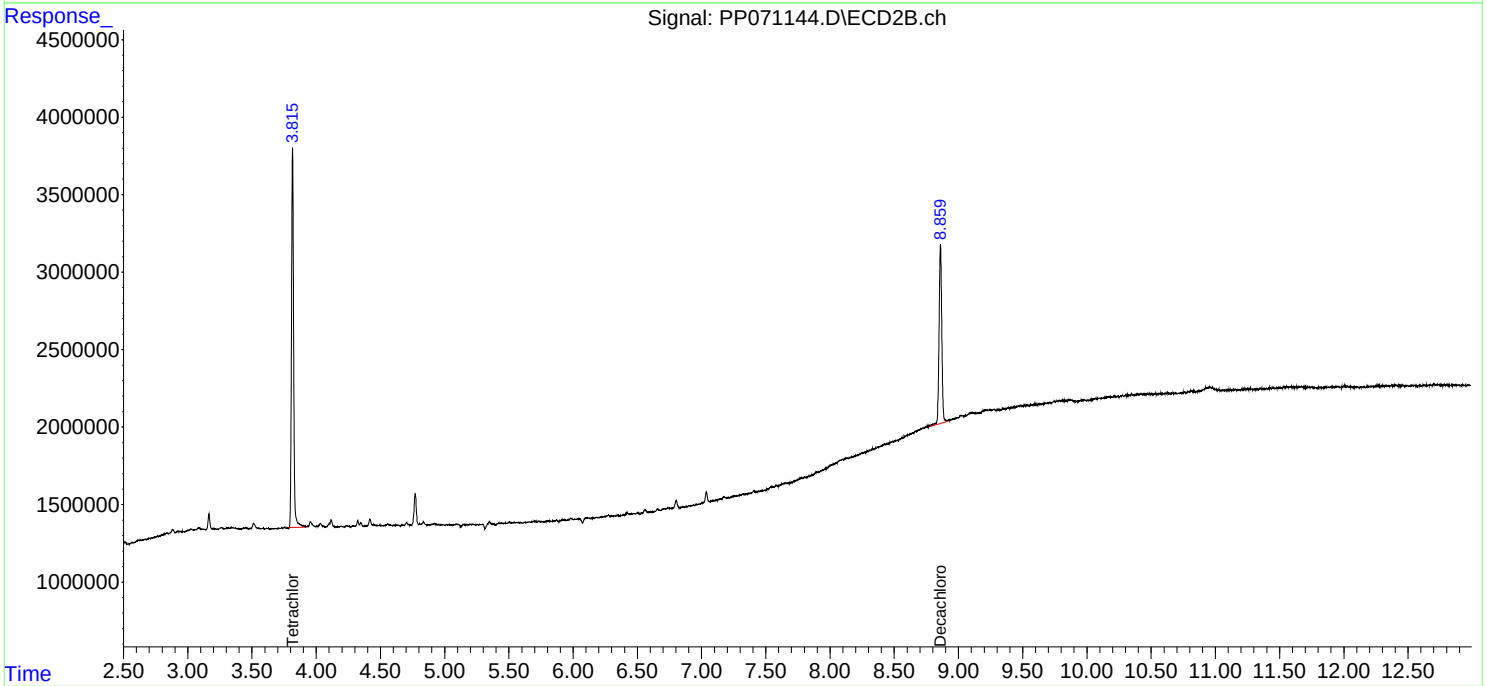
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 12:12
Operator : YP\AJ
Sample : Q1730-19
Misc :
ALS Vial : 10 Sample Multiplier: 1

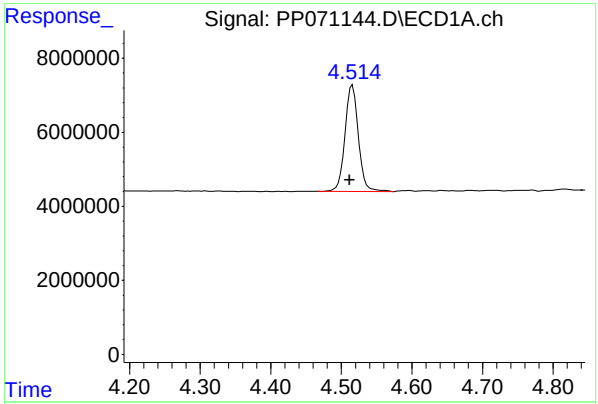
**Instrument :**
ECD_P
**ClientSampleId :**
OU4-CF-15-040325

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 12:26:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



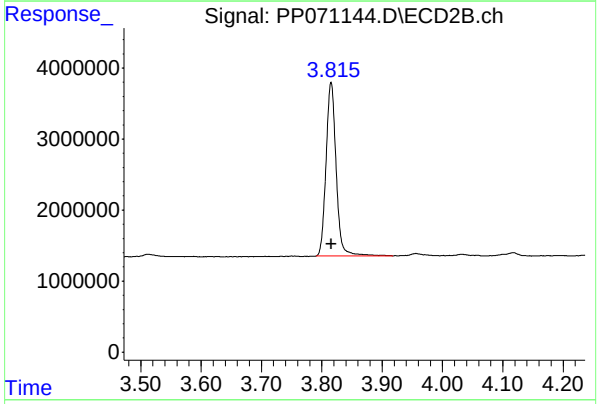






#1 Tetrachloro-m-xylene

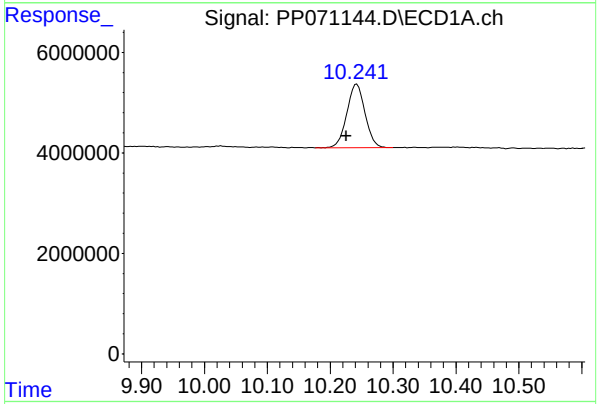
R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 37706422
Conc: 25.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
OU4-CF-15-040325



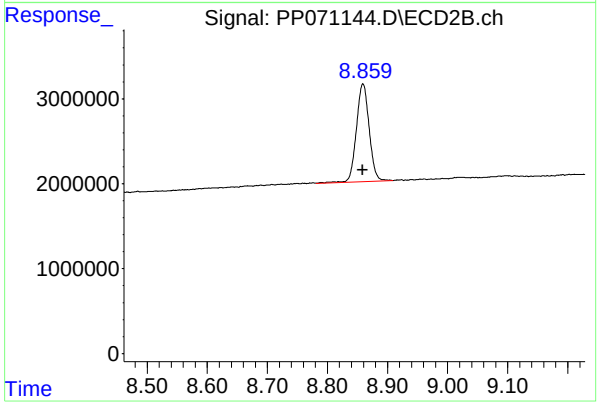

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 28536768
Conc: 27.53 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: 0.017 min
Response: 25401796
Conc: 24.13 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 17071245
Conc: 21.66 ng/ml

# CALIBRATION SUMMARY

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

**Calibration Times:** 14:03 22:15

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

**LAB FILE ID:** RT 1000 = PO109972.D RT 750 = PO109973.D

RT 500 = PO109974.D RT 250 = PO109975.D RT 050 = PO109976.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.79 | 4.79 | 4.79 | 4.79 | 4.78 | 4.79 | 4.69 | 4.89 |
| Aroclor-1016-2 | (2) | 4.81 | 4.81 | 4.80 | 4.80 | 4.80 | 4.80 | 4.70 | 4.90 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.86 | 4.86 | 4.86 | 4.86 | 4.76 | 4.96 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.98 | 4.98 | 4.98 | 4.98 | 4.88 | 5.08 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.14 | 5.34 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.18 | 6.38 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.47 | 6.37 | 6.57 |
| Aroclor-1260-3 | (3) | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.74 | 6.94 |
| Aroclor-1260-4 | (4) | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.10 | 7.00 | 7.20 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.34 | 7.34 | 7.34 | 7.34 | 7.24 | 7.44 |
| Decachlorobiphenyl | | 8.75 | 8.75 | 8.75 | 8.75 | 8.74 | 8.75 | 8.65 | 8.85 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1242-1 | (1) | 4.79 | 4.79 | 4.79 | 4.79 | 4.78 | 4.79 | 4.69 | 4.89 |
| Aroclor-1242-2 | (2) | 4.80 | 4.80 | 4.81 | 4.80 | 4.80 | 4.80 | 4.70 | 4.90 |
| Aroclor-1242-3 | (3) | 4.86 | 4.86 | 4.86 | 4.86 | 4.86 | 4.86 | 4.76 | 4.96 |
| Aroclor-1242-4 | (4) | 4.98 | 4.98 | 4.98 | 4.98 | 4.98 | 4.98 | 4.88 | 5.08 |
| Aroclor-1242-5 | (5) | 5.64 | 5.63 | 5.64 | 5.63 | 5.63 | 5.63 | 5.53 | 5.73 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1248-1 | (1) | 4.78 | 4.79 | 4.79 | 4.78 | 4.78 | 4.78 | 4.68 | 4.88 |
| Aroclor-1248-2 | (2) | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 4.92 | 5.12 |
| Aroclor-1248-3 | (3) | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.24 | 5.14 | 5.34 |
| Aroclor-1248-4 | (4) | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.49 | 5.69 |
| Aroclor-1248-5 | (5) | 5.63 | 5.64 | 5.63 | 5.63 | 5.63 | 5.63 | 5.53 | 5.73 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1254-1 | (1) | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.59 | 5.49 | 5.69 |
| Aroclor-1254-2 | (2) | 5.74 | 5.74 | 5.74 | 5.74 | 5.74 | 5.74 | 5.64 | 5.84 |
| Aroclor-1254-3 | (3) | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.15 | 6.05 | 6.25 |
| Aroclor-1254-4 | (4) | 6.38 | 6.38 | 6.38 | 6.38 | 6.38 | 6.38 | 6.28 | 6.48 |
| Aroclor-1254-5 | (5) | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.70 | 6.90 |
| Decachlorobiphenyl | | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1268-1 | (1) | 7.62 | 7.62 | 7.62 | 7.62 | 7.62 | 7.62 | 7.52 | 7.72 |
| Aroclor-1268-2 | (2) | 7.69 | 7.69 | 7.69 | 7.69 | 7.69 | 7.69 | 7.59 | 7.79 |
| Aroclor-1268-3 | (3) | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.90 | 7.80 | 8.00 |
| Aroclor-1268-4 | (4) | 8.18 | 8.18 | 8.19 | 8.18 | 8.18 | 8.18 | 8.08 | 8.28 |
| Aroclor-1268-5 | (5) | 8.48 | 8.48 | 8.48 | 8.48 | 8.48 | 8.48 | 8.38 | 8.58 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

**Calibration Times:** 14:03 22:15

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

**LAB FILE ID:** RT 1000 = PO109972.D RT 750 = PO109973.D

RT 500 = PO109974.D RT 250 = PO109975.D RT 050 = PO109976.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.67 | 4.87 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.69 | 4.89 |
| Aroclor-1016-3 | (3) | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.87 | 5.07 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 4.91 | 5.11 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.12 | 5.32 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.26 | 6.25 | 6.25 | 6.25 | 6.15 | 6.35 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.34 | 6.54 |
| Aroclor-1260-3 | (3) | 6.60 | 6.60 | 6.60 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Aroclor-1260-4 | (4) | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 7.07 | 6.97 | 7.17 |
| Aroclor-1260-5 | (5) | 7.31 | 7.31 | 7.31 | 7.31 | 7.31 | 7.31 | 7.21 | 7.41 |
| Decachlorobiphenyl | | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1242-1 | (1) | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.67 | 4.87 |
| Aroclor-1242-2 | (2) | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.79 | 4.69 | 4.89 |
| Aroclor-1242-3 | (3) | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.97 | 4.87 | 5.07 |
| Aroclor-1242-4 | (4) | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 4.95 | 5.15 |
| Aroclor-1242-5 | (5) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Decachlorobiphenyl | | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1248-1 | (1) | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.77 | 4.67 | 4.87 |
| Aroclor-1248-2 | (2) | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 5.01 | 4.91 | 5.11 |
| Aroclor-1248-3 | (3) | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 5.05 | 4.95 | 5.15 |
| Aroclor-1248-4 | (4) | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.22 | 5.12 | 5.32 |
| Aroclor-1248-5 | (5) | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.51 | 5.71 |
| Decachlorobiphenyl | | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1254-1 | (1) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Aroclor-1254-2 | (2) | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.72 | 5.62 | 5.82 |
| Aroclor-1254-3 | (3) | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.02 | 6.22 |
| Aroclor-1254-4 | (4) | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.35 | 6.25 | 6.45 |
| Aroclor-1254-5 | (5) | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.67 | 6.87 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.70 | 8.70 | 8.69 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |
| Aroclor-1268-1 | (1) | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.59 | 7.49 | 7.69 |
| Aroclor-1268-2 | (2) | 7.66 | 7.66 | 7.65 | 7.65 | 7.65 | 7.65 | 7.55 | 7.75 |
| Aroclor-1268-3 | (3) | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.86 | 7.76 | 7.96 |
| Aroclor-1268-4 | (4) | 8.15 | 8.15 | 8.15 | 8.15 | 8.15 | 8.15 | 8.05 | 8.25 |
| Aroclor-1268-5 | (5) | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.34 | 8.54 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.70 | 8.70 | 8.69 | 8.70 | 8.70 | 8.70 | 8.60 | 8.80 |
| Tetrachloro-m-xylene | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

**Calibration Times:** 14:03 22:15

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

**LAB FILE ID:** **CF 1000 =** PO109972.D **CF 750 =** PO109973.D

**CF 500 =** PO109974.D **CF 250 =** PO109975.D **CF 050 =** PO109976.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 318793340 | 329109113 | 342176988 | 354587888 | 338053060 | 336544078 | 4 |
| Aroclor-1016-2 | (2) | 446388679 | 463709840 | 475172436 | 492289896 | 440868120 | 463685794 | 5 |
| Aroclor-1016-3 | (3) | 297123739 | 311570976 | 324283686 | 341714956 | 328237360 | 320586143 | 5 |
| Aroclor-1016-4 | (4) | 237983440 | 248526219 | 257445742 | 268101480 | 251389660 | 252689308 | 4 |
| Aroclor-1016-5 | (5) | 250501585 | 263674729 | 272727188 | 289617476 | 297814400 | 274867076 | 7 |
| Aroclor-1260-1 | (1) | 448474074 | 467586512 | 475904282 | 500944916 | 463845060 | 471350969 | 4 |
| Aroclor-1260-2 | (2) | 549756400 | 573035712 | 574538170 | 604900316 | 675365020 | 595519124 | 8 |
| Aroclor-1260-3 | (3) | 466244522 | 483474499 | 486507370 | 506233648 | 484047880 | 485301584 | 3 |
| Aroclor-1260-4 | (4) | 395577993 | 413728377 | 429812132 | 453058452 | 428662340 | 424167859 | 5 |
| Aroclor-1260-5 | (5) | 1037246832 | 1067855560 | 1076605366 | 1088369780 | 959152240 | 1045845956 | 5 |
| Decachlorobiphenyl | | 7314268770 | 7585202853 | 7715836840 | 8064386520 | 7763558800 | 7688650757 | 4 |
| Tetrachloro-m-xylene | | 9191618080 | 9409704013 | 9556350980 | 9350200040 | 7999627400 | 9101500103 | 7 |
| Aroclor-1242-1 | (1) | 257021206 | 271242037 | 274350776 | 287750984 | 246670040 | 267407009 | 6 |
| Aroclor-1242-2 | (2) | 361656206 | 376061644 | 380771426 | 397296944 | 325229300 | 368203104 | 7 |
| Aroclor-1242-3 | (3) | 239272274 | 256595597 | 260500336 | 277304732 | 256081460 | 257950880 | 5 |
| Aroclor-1242-4 | (4) | 191269111 | 202702439 | 206227546 | 215710620 | 184561000 | 200094143 | 6 |
| Aroclor-1242-5 | (5) | 200342595 | 212233400 | 219728410 | 230305716 | 192670380 | 211056100 | 7 |
| Decachlorobiphenyl | | 7073021470 | 7288055093 | 7382383840 | 7783557400 | 6481660800 | 7201735721 | 7 |
| Tetrachloro-m-xylene | | 8702773030 | 8995385800 | 8954862760 | 9053765120 | 6655083400 | 8472374022 | 12 |
| Aroclor-1248-1 | (1) | 203222777 | 210833551 | 219941524 | 231478528 | 236936100 | 220482496 | 6 |
| Aroclor-1248-2 | (2) | 271717932 | 285234192 | 301067598 | 320199420 | 327717760 | 301187380 | 8 |
| Aroclor-1248-3 | (3) | 341855080 | 357243465 | 374409124 | 395224264 | 397211640 | 373188715 | 6 |
| Aroclor-1248-4 | (4) | 484718685 | 503724613 | 523274664 | 543824872 | 584555460 | 528019659 | 7 |
| Aroclor-1248-5 | (5) | 341874536 | 354831647 | 369725290 | 387414496 | 410903120 | 372949818 | 7 |
| Decachlorobiphenyl | | 7279802030 | 7532134600 | 7794766540 | 8111831880 | 8262032800 | 7796113570 | 5 |
| Tetrachloro-m-xylene | | 8896906280 | 9107530813 | 9275989780 | 9374608920 | 8757655400 | 9082538239 | 3 |
| Aroclor-1254-1 | (1) | 527461301 | 541865743 | 559314886 | 571016624 | 626589000 | 565249511 | 7 |
| Aroclor-1254-2 | (2) | 454907170 | 469007857 | 483702014 | 470938584 | 527635000 | 481238125 | 6 |
| Aroclor-1254-3 | (3) | 753626169 | 772675721 | 789277352 | 760170300 | 789680960 | 773086100 | 2 |
| Aroclor-1254-4 | (4) | 465418236 | 477798716 | 486446390 | 499614064 | 471424900 | 480140461 | 3 |
| Aroclor-1254-5 | (5) | 652046620 | 666447925 | 680525202 | 682124008 | 569584060 | 650145563 | 7 |
| Decachlorobiphenyl | | 7506577390 | 7722603000 | 7867257780 | 8042146160 | 8253331200 | 7878383106 | 4 |
| Tetrachloro-m-xylene | | 9124017490 | 9264222013 | 9387241720 | 8732477200 | 8689133000 | 9039418285 | 3 |
| Aroclor-1268-1 | (1) | 1369838059 | 1374439380 | 1401378006 | 1431422640 | 1423576940 | 1400131005 | 2 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 1266296617 | 1262736967 | 1279632688 | 1321583800 | 1270503560 | 1280150726 | 2 |
| Aroclor-1268-3 | (3) | 1019701747 | 1019547960 | 1038648586 | 1056461448 | 1003450380 | 1027562024 | 2 |
| Aroclor-1268-4 | (4) | 432675859 | 421354135 | 447439086 | 473337560 | 435173000 | 441995928 | 4 |
| Aroclor-1268-5 | (5) | 3202130253 | 3192211076 | 3228608174 | 3247761892 | 3036317900 | 3181405859 | 3 |
| Decachlorobiphenyl | | 13640006290 | 13735597093 | 14120230440 | 14566780400 | 14594697800 | 14131462405 | 3 |
| Tetrachloro-m-xylene | | 9016621250 | 8994153573 | 9277514520 | 9319153840 | 8874982800 | 9096485197 | 2 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Calibration Date(s):** 03/18/2025 03/18/2025

**Calibration Times:** 14:03 22:15

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

**LAB FILE ID:** **CF 1000 =** PO109972.D **CF 750 =** PO109973.D

**CF 500 =** PO109974.D **CF 250 =** PO109975.D **CF 050 =** PO109976.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 173731434 | 178393712 | 185954312 | 194985500 | 183209860 | 183254964 | 4 |
| Aroclor-1016-2 | (2) | 252919767 | 260842944 | 268062016 | 276298580 | 249399140 | 261504489 | 4 |
| Aroclor-1016-3 | (3) | 134029267 | 138651783 | 144331354 | 150165168 | 141715700 | 141778654 | 4 |
| Aroclor-1016-4 | (4) | 107671732 | 112396073 | 118651742 | 125867636 | 125061600 | 117929757 | 7 |
| Aroclor-1016-5 | (5) | 141734749 | 147685869 | 153486032 | 162580972 | 159105760 | 152918676 | 6 |
| Aroclor-1260-1 | (1) | 240074381 | 247747439 | 258832620 | 273383796 | 257170920 | 255441831 | 5 |
| Aroclor-1260-2 | (2) | 281757793 | 288999419 | 301276956 | 315867360 | 313526020 | 300285510 | 5 |
| Aroclor-1260-3 | (3) | 267611935 | 278954948 | 288530668 | 305847736 | 303966000 | 288982257 | 6 |
| Aroclor-1260-4 | (4) | 196048044 | 205344145 | 218294872 | 229292036 | 226412760 | 215078371 | 7 |
| Aroclor-1260-5 | (5) | 481983300 | 481761991 | 513782868 | 520791536 | 495161780 | 498696295 | 4 |
| Decachlorobiphenyl | | 2314898720 | 2277821173 | 2432747880 | 2620033760 | 2485044400 | 2426109187 | 6 |
| Tetrachloro-m-xylene | | 5279380900 | 5378354400 | 5480250420 | 5516817960 | 4565680000 | 5244096736 | 7 |
| Aroclor-1242-1 | (1) | 141331278 | 146781083 | 150759024 | 159963196 | 132242600 | 146215436 | 7 |
| Aroclor-1242-2 | (2) | 205951481 | 214434265 | 215763772 | 224841412 | 179186640 | 208035514 | 8 |
| Aroclor-1242-3 | (3) | 108828803 | 114341291 | 116166340 | 122887996 | 95840060 | 111612898 | 9 |
| Aroclor-1242-4 | (4) | 107629937 | 113953347 | 117437436 | 126339948 | 114521460 | 115976426 | 6 |
| Aroclor-1242-5 | (5) | 132486572 | 139043136 | 144664964 | 152408060 | 117607760 | 137242098 | 10 |
| Decachlorobiphenyl | | 2177773130 | 2225931947 | 2270761420 | 2435729160 | 2067519400 | 2235543011 | 6 |
| Tetrachloro-m-xylene | | 5049304150 | 5177204613 | 5163887520 | 5207194080 | 3529903800 | 4825498833 | 15 |
| Aroclor-1248-1 | (1) | 111262575 | 115666484 | 120322434 | 126703700 | 133730220 | 121537083 | 7 |
| Aroclor-1248-2 | (2) | 153166873 | 160144767 | 168518512 | 179835124 | 180628540 | 168458763 | 7 |
| Aroclor-1248-3 | (3) | 163639212 | 170966695 | 179105274 | 191715488 | 200520960 | 181189526 | 8 |
| Aroclor-1248-4 | (4) | 192034431 | 200649257 | 208567738 | 223057368 | 227978540 | 210457467 | 7 |
| Aroclor-1248-5 | (5) | 189825244 | 196639567 | 203671792 | 215836044 | 233387660 | 207872061 | 8 |
| Decachlorobiphenyl | | 2147083620 | 2251559707 | 2344655820 | 2535991200 | 2605882000 | 2377034469 | 8 |
| Tetrachloro-m-xylene | | 5118943080 | 5218637120 | 5295153740 | 5366945840 | 5070595200 | 5214054996 | 2 |
| Aroclor-1254-1 | (1) | 289813236 | 298739165 | 307722880 | 314204860 | 352998300 | 312695688 | 8 |
| Aroclor-1254-2 | (2) | 250736607 | 259627313 | 268490268 | 271062664 | 307765180 | 271536406 | 8 |
| Aroclor-1254-3 | (3) | 402159669 | 413409125 | 421207530 | 415558372 | 424838600 | 415434659 | 2 |
| Aroclor-1254-4 | (4) | 231846868 | 237861840 | 244387952 | 246184552 | 252577700 | 242571782 | 3 |
| Aroclor-1254-5 | (5) | 329301884 | 337898680 | 348664586 | 361298960 | 302328380 | 335898498 | 7 |
| Decachlorobiphenyl | | 2196807900 | 2276377227 | 2418572320 | 2516603360 | 2645427200 | 2410757601 | 7 |
| Tetrachloro-m-xylene | | 5207556450 | 5288727027 | 5346917000 | 5051956440 | 5061201200 | 5191271623 | 3 |
| Aroclor-1268-1 | (1) | 560759375 | 568986040 | 578205714 | 598591620 | 620126960 | 585333942 | 4 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 519206129 | 525348819 | 532636024 | 548739284 | 562258340 | 537637719 | 3 |
| Aroclor-1268-3 | (3) | 397648794 | 399556300 | 412917038 | 427809808 | 440374680 | 415661324 | 4 |
| Aroclor-1268-4 | (4) | 153792414 | 154678659 | 162023954 | 168698684 | 166024000 | 161043542 | 4 |
| Aroclor-1268-5 | (5) | 963659212 | 966574348 | 987141016 | 1016062428 | 1031847640 | 993056929 | 3 |
| Decachlorobiphenyl | | 3902633900 | 3983566053 | 4144258760 | 4413490680 | 4552839600 | 4199357799 | 7 |
| Tetrachloro-m-xylene | | 5158364110 | 5158184947 | 5281917420 | 5320423880 | 5129069800 | 5209592031 | 2 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Date(s) Analyzed:** 03/18/2025 03/18/2025

**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 | 3.91 | 3.81 | 4.01 | 115828000 |
| | | 2 | 3.99 | 3.89 | 4.09 | 86499800 |
| | | 3 | 4.07 | 3.97 | 4.17 | 261696000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.07 | 3.97 | 4.17 | 215744000 |
| | | 2 | 4.56 | 4.46 | 4.66 | 114786000 |
| | | 3 | 4.81 | 4.71 | 4.91 | 211780000 |
| | | 4 | 4.98 | 4.88 | 5.08 | 113561000 |
| | | 5 | 5.02 | 4.92 | 5.12 | 80454000 |
| Aroclor-1262 | 500 | 1 | 6.84 | 6.74 | 6.94 | 688120000 |
| | | 2 | 7.34 | 7.24 | 7.44 | 1191970000 |
| | | 3 | 7.62 | 7.52 | 7.72 | 470630000 |
| | | 4 | 7.69 | 7.59 | 7.79 | 874576000 |
| | | 5 | 8.18 | 8.08 | 8.28 | 394442000 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_O **Date(s) Analyzed:** 03/18/2025 03/18/2025

**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 | 3.90 | 3.80 | 4.00 | 66882200 |
| | | 2 | 3.99 | 3.89 | 4.09 | 49381600 |
| | | 3 | 4.06 | 3.96 | 4.16 | 151684000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.06 | 3.96 | 4.16 | 124093000 |
| | | 2 | 4.79 | 4.69 | 4.89 | 120349000 |
| | | 3 | 4.97 | 4.87 | 5.07 | 63656000 |
| | | 4 | 5.05 | 4.95 | 5.15 | 59341000 |
| | | 5 | 5.22 | 5.12 | 5.32 | 63217800 |
| Aroclor-1262 | 500 | 1 | 6.81 | 6.71 | 6.91 | 344312000 |
| | | 2 | 7.31 | 7.21 | 7.41 | 537220000 |
| | | 3 | 7.59 | 7.49 | 7.69 | 194051000 |
| | | 4 | 7.65 | 7.55 | 7.75 | 361786000 |
| | | 5 | 8.15 | 8.05 | 8.25 | 141162000 |

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:03
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:33:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.693 | 3.690 | 919.2E6 | 527.9E6 | 98.055 | 98.133 |
| 2) | SA Decachlor... | 8.745 | 8.696 | 731.4E6 | 231.5E6 | 97.328 | 97.518 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.786 | 4.772 | 318.8E6 | 173.7E6 | 964.622 | 966.018 |
| 4) | L1 AR-1016-2 | 4.805 | 4.791 | 446.4E6 | 252.9E6 | 968.766 | 970.935 |
| 5) | L1 AR-1016-3 | 4.862 | 4.967 | 297.1E6 | 134.0E6 | 956.293 | 962.990 |
| 6) | L1 AR-1016-4 | 4.982 | 5.009 | 238.0E6 | 107.7E6 | 960.716 | 951.485 |
| 7) | L1 AR-1016-5 | 5.240 | 5.222 | 250.5E6 | 141.7E6 | 957.522 | 960.195 |
| 31) | L7 AR-1260-1 | 6.281 | 6.254 | 448.5E6 | 240.1E6 | 970.326 | 962.401 |
| 32) | L7 AR-1260-2 | 6.470 | 6.442 | 549.8E6 | 281.8E6 | 977.958 | 966.521 |
| 33) | L7 AR-1260-3 | 6.838 | 6.595 | 466.2E6 | 267.6E6 | 978.732 | 962.386 |
| 34) | L7 AR-1260-4 | 7.098 | 7.066 | 395.6E6 | 196.0E6 | 958.524 | 946.308 |
| 35) | L7 AR-1260-5 | 7.340 | 7.307 | 1037.2E6 | 482.0E6 | 981.381 | 968.065 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109972.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:03
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:33:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
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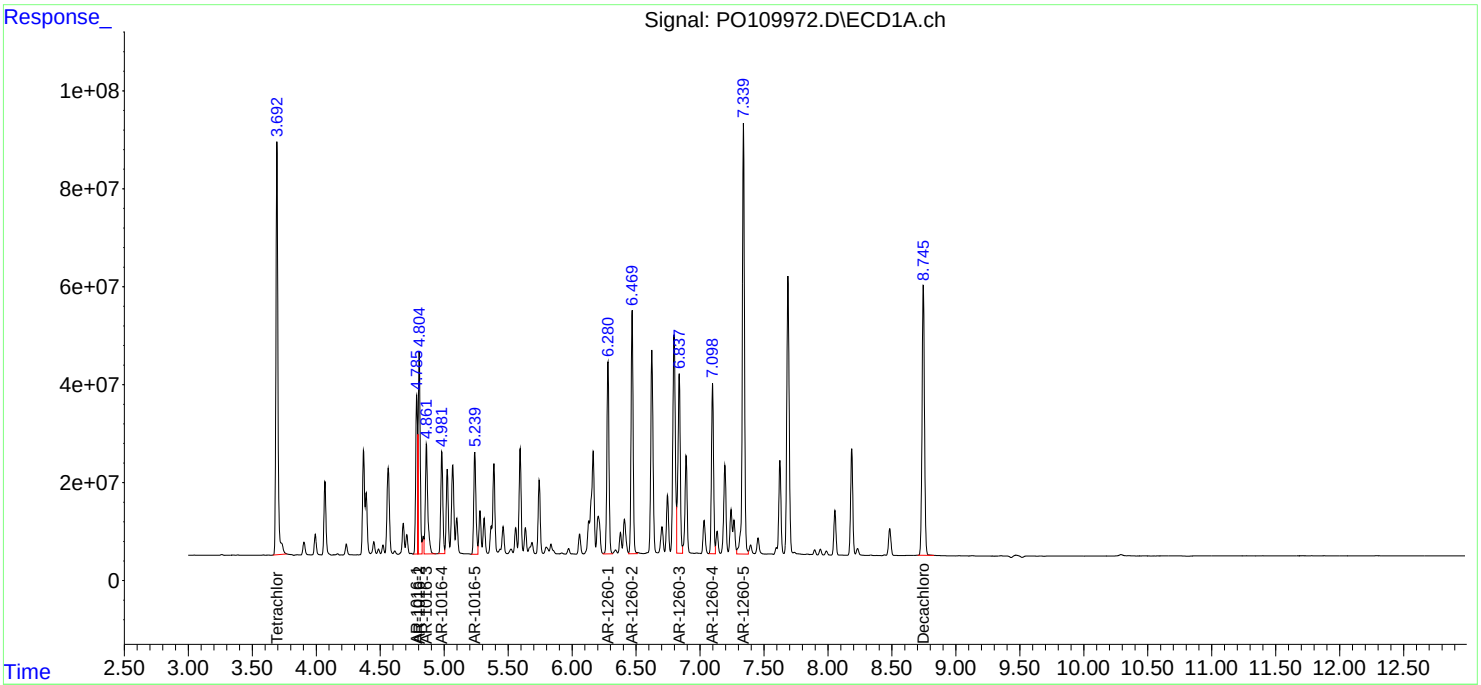
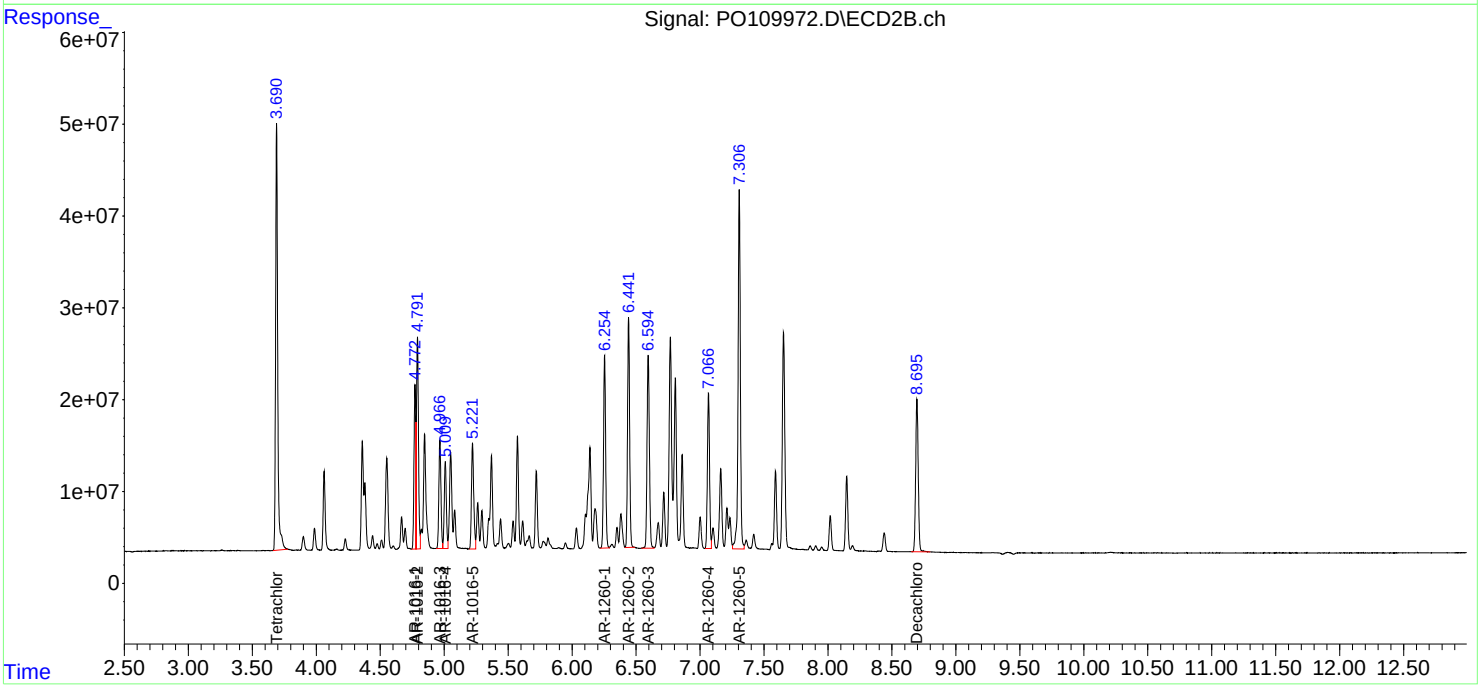
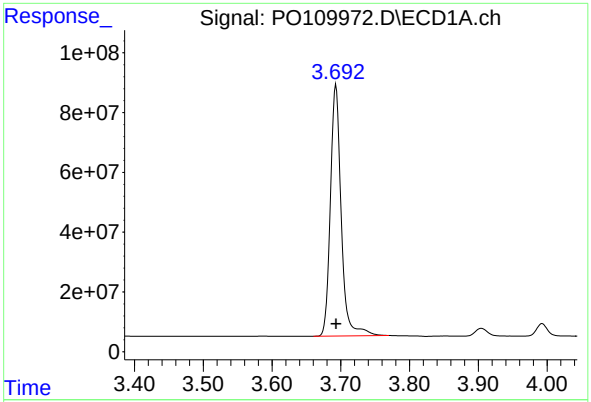
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



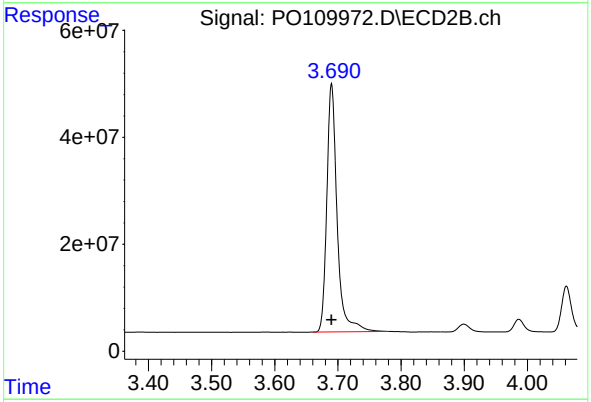






#1 Tetrachloro-m-xylene

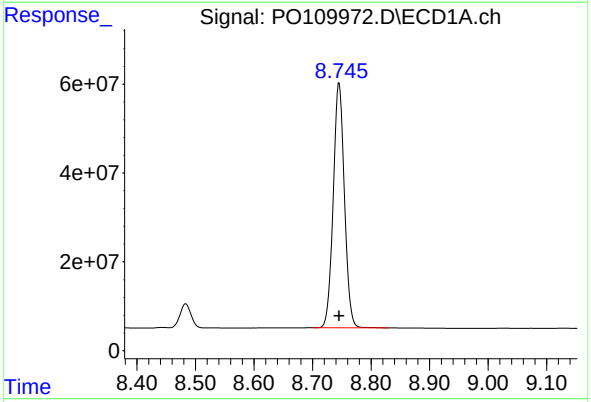
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 919161808
Conc: 98.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



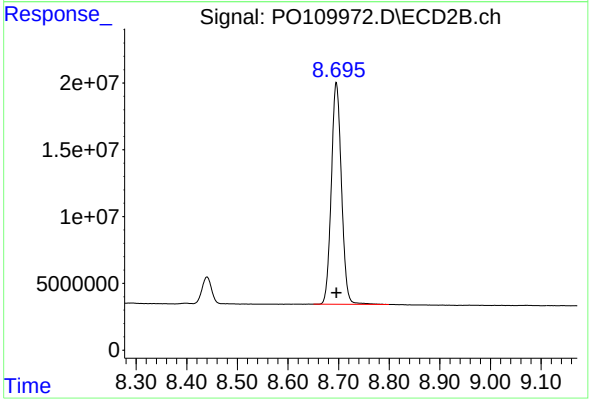

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 527938090
Conc: 98.13 ng/ml



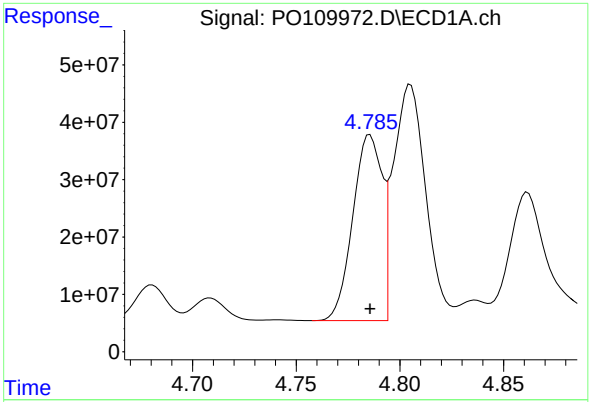

#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 731426877
Conc: 97.33 ng/ml




#2 Decachlorobiphenyl

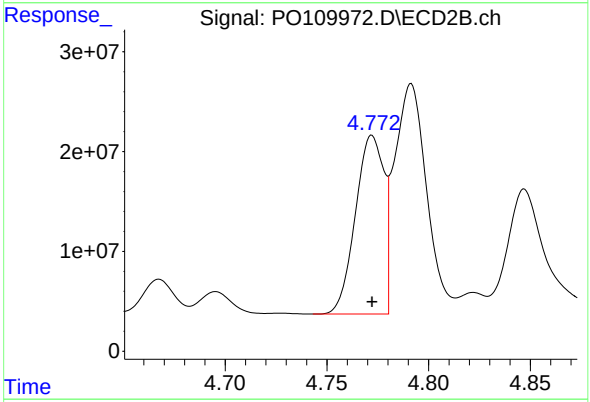
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 231489872
Conc: 97.52 ng/ml




#3 AR-1016-1

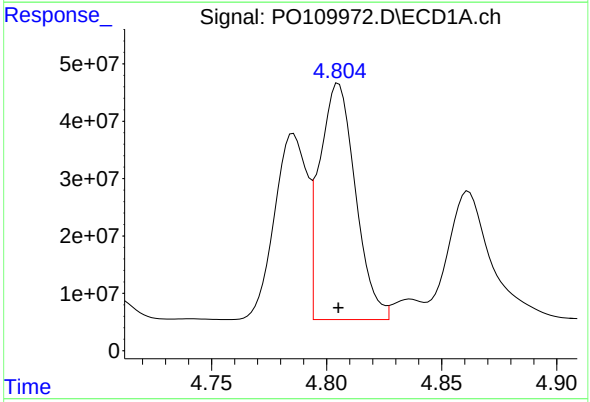
R.T.: 4.786 min
Delta R.T.: 0.000 min
Response: 318793340
Conc: 964.62 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



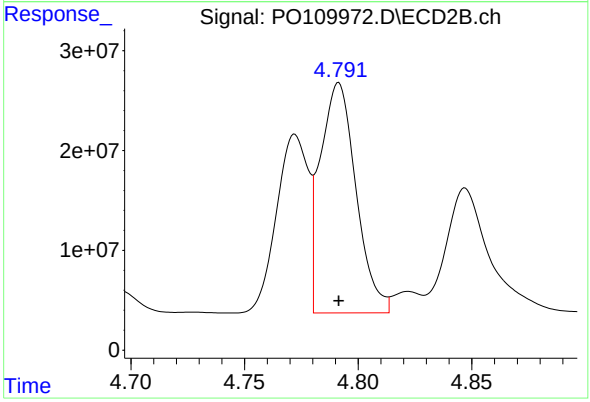

#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 173731434
Conc: 966.02 ng/ml



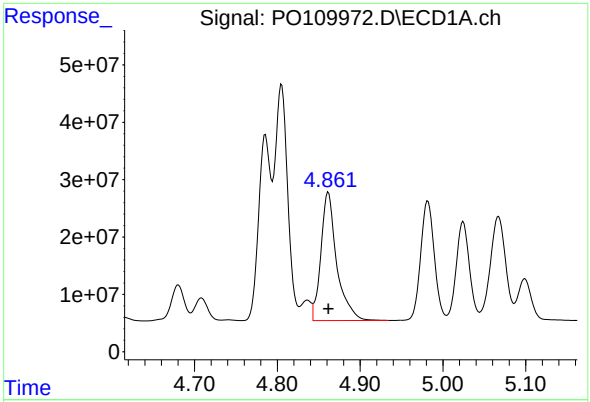

#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 446388679
Conc: 968.77 ng/ml




#4 AR-1016-2

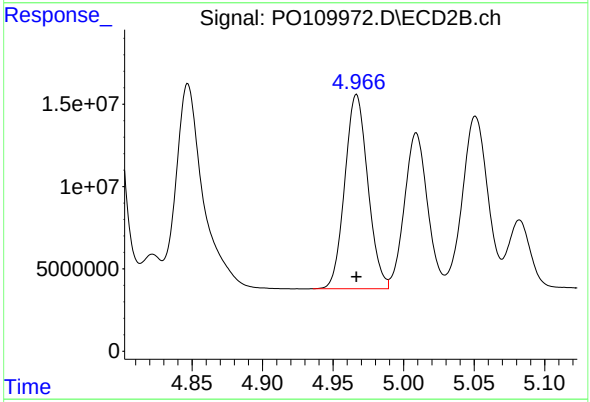
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 252919767
Conc: 970.94 ng/ml




#5 AR-1016-3

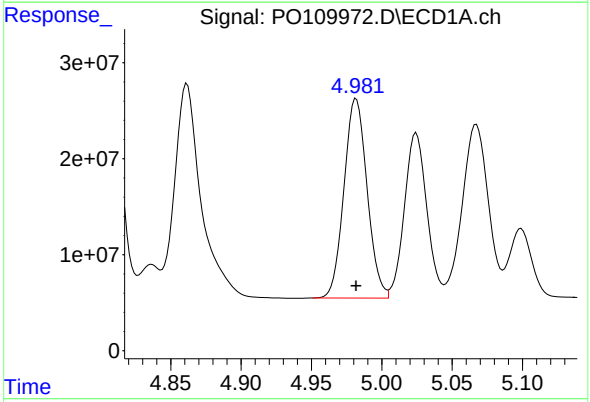
R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 297123739
Conc: 956.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



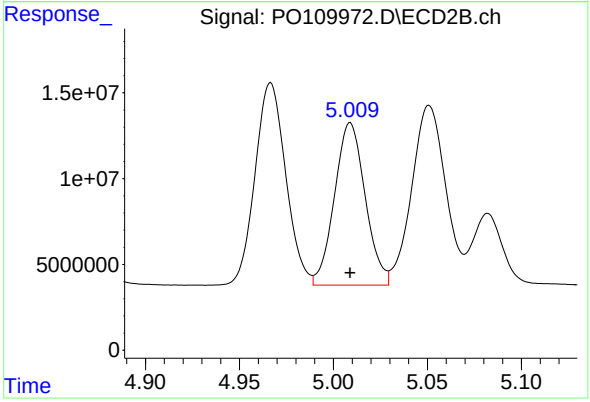

#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 134029267
Conc: 962.99 ng/ml



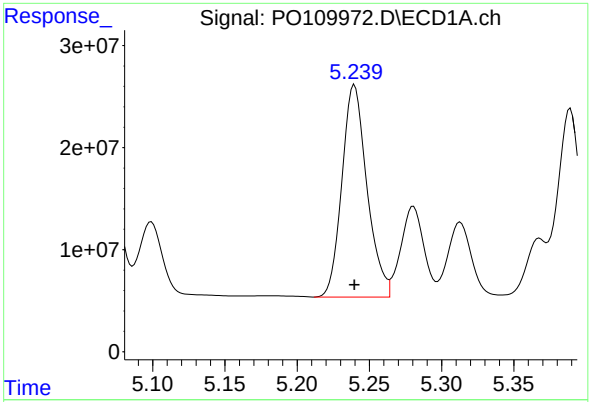

#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 237983440
Conc: 960.72 ng/ml




#6 AR-1016-4

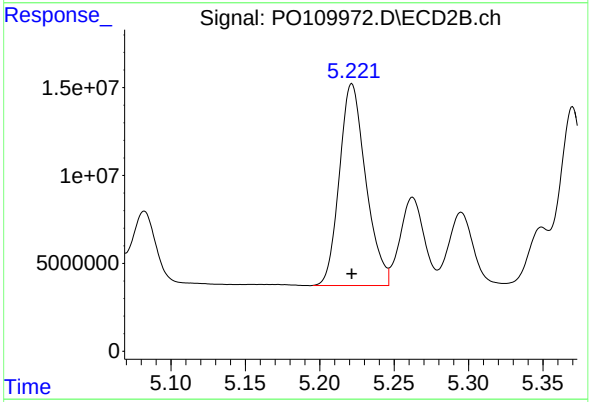
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 107671732
Conc: 951.49 ng/ml




#7 AR-1016-5

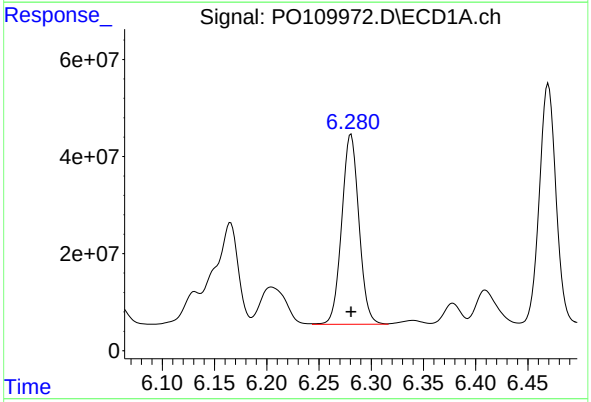
R.T.: 5.240 min
Delta R.T.: 0.000 min
Response: 250501585
Conc: 957.52 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



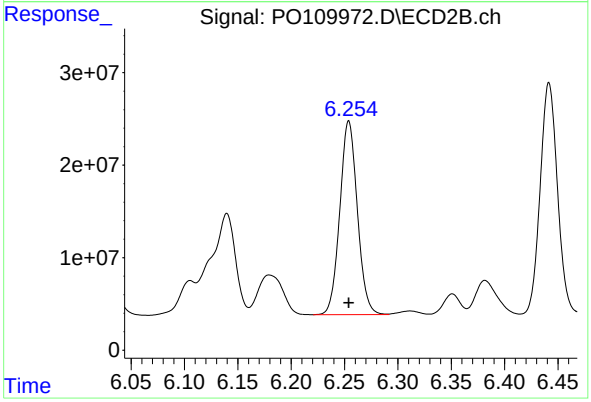

#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 141734749
Conc: 960.19 ng/ml



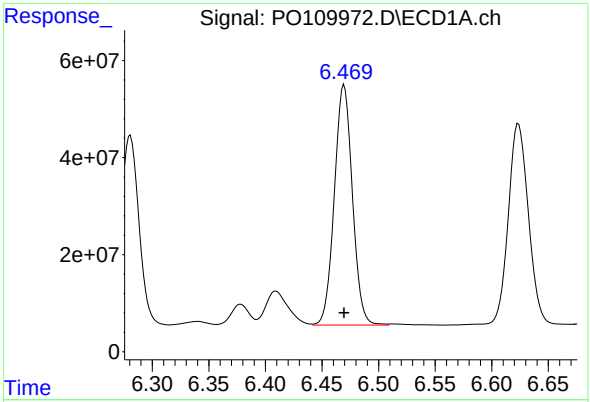

#31 AR-1260-1

R.T.: 6.281 min
Delta R.T.: 0.000 min
Response: 448474074
Conc: 970.33 ng/ml




#31 AR-1260-1

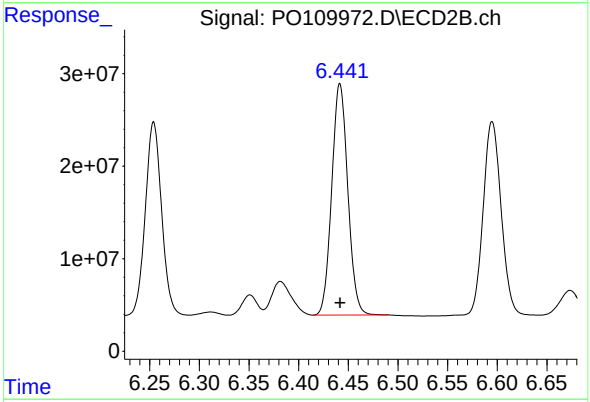
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 240074381
Conc: 962.40 ng/ml




#32 AR-1260-2

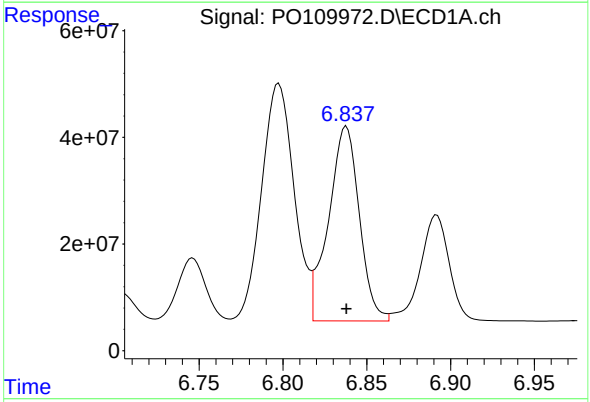
R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 549756400
Conc: 977.96 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



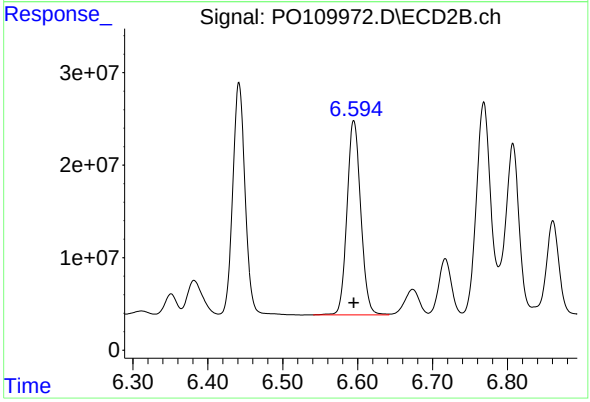

#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 281757793
Conc: 966.52 ng/ml



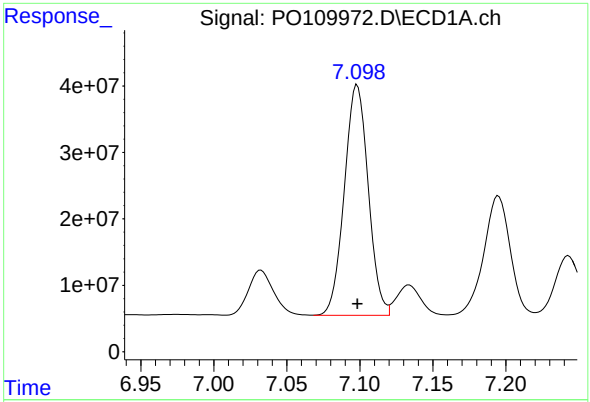

#33 AR-1260-3

R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 466244522
Conc: 978.73 ng/ml




#33 AR-1260-3

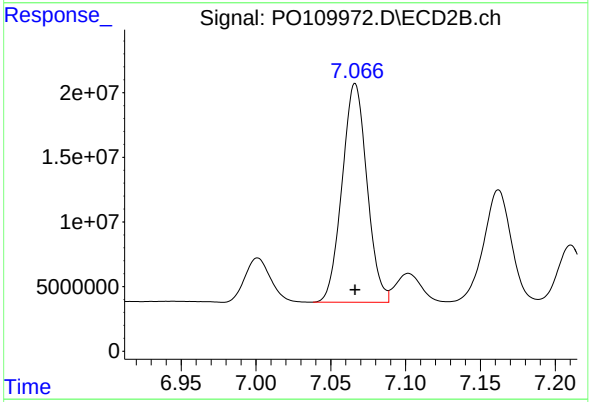
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 267611935
Conc: 962.39 ng/ml




#34 AR-1260-4

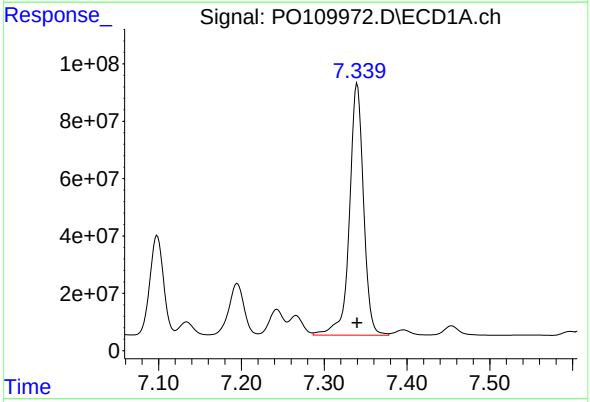
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 395577993
Conc: 958.52 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000



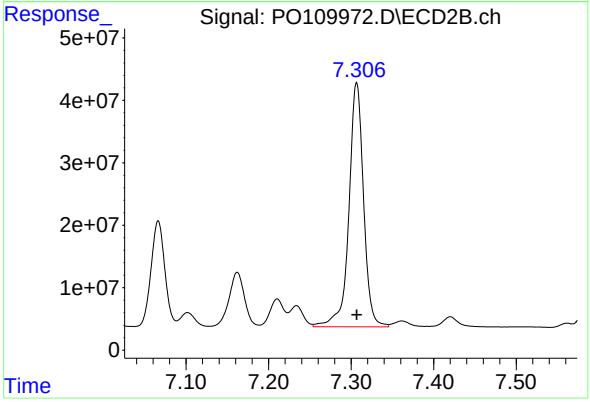

#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: 0.000 min
Response: 196048044
Conc: 946.31 ng/ml




#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 1037246832
Conc: 981.38 ng/ml




#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 481983300
Conc: 968.07 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

**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 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.693 | 3.690 | 705.7E6 | 403.4E6 | 75.190 | 74.986 |
| 2) | SA Decachlor... | 8.745 | 8.696 | 568.9E6 | 170.8E6 | 75.465 | 72.950 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.785 | 4.772 | 246.8E6 | 133.8E6 | 747.915 | 745.960 |
| 4) | L1 AR-1016-2 | 4.805 | 4.791 | 347.8E6 | 195.6E6 | 753.172 | 750.675 |
| 5) | L1 AR-1016-3 | 4.862 | 4.967 | 233.7E6 | 104.0E6 | 751.394 | 748.099 |
| 6) | L1 AR-1016-4 | 4.982 | 5.009 | 186.4E6 | 84297055 | 751.636 | 746.609 |
| 7) | L1 AR-1016-5 | 5.239 | 5.222 | 197.8E6 | 110.8E6 | 753.927 | 750.256 |
| 31) | L7 AR-1260-1 | 6.280 | 6.255 | 350.7E6 | 185.8E6 | 755.816 | 746.573 |
| 32) | L7 AR-1260-2 | 6.470 | 6.442 | 429.8E6 | 216.7E6 | 759.623 | 745.669 |
| 33) | L7 AR-1260-3 | 6.837 | 6.595 | 362.6E6 | 209.2E6 | 757.414 | 751.587 |
| 34) | L7 AR-1260-4 | 7.098 | 7.067 | 310.3E6 | 154.0E6 | 751.251 | 745.577 |
| 35) | L7 AR-1260-5 | 7.340 | 7.307 | 800.9E6 | 361.3E6 | 755.153 | 735.355m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

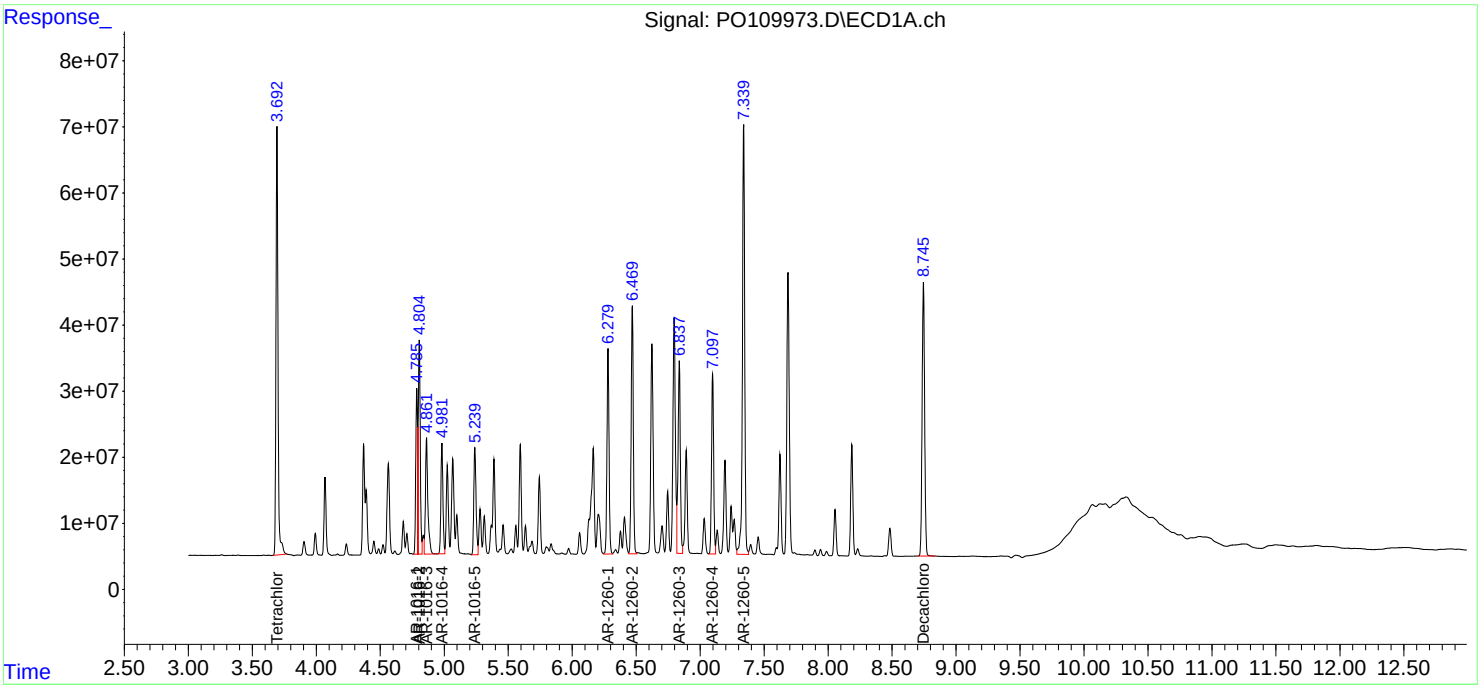
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

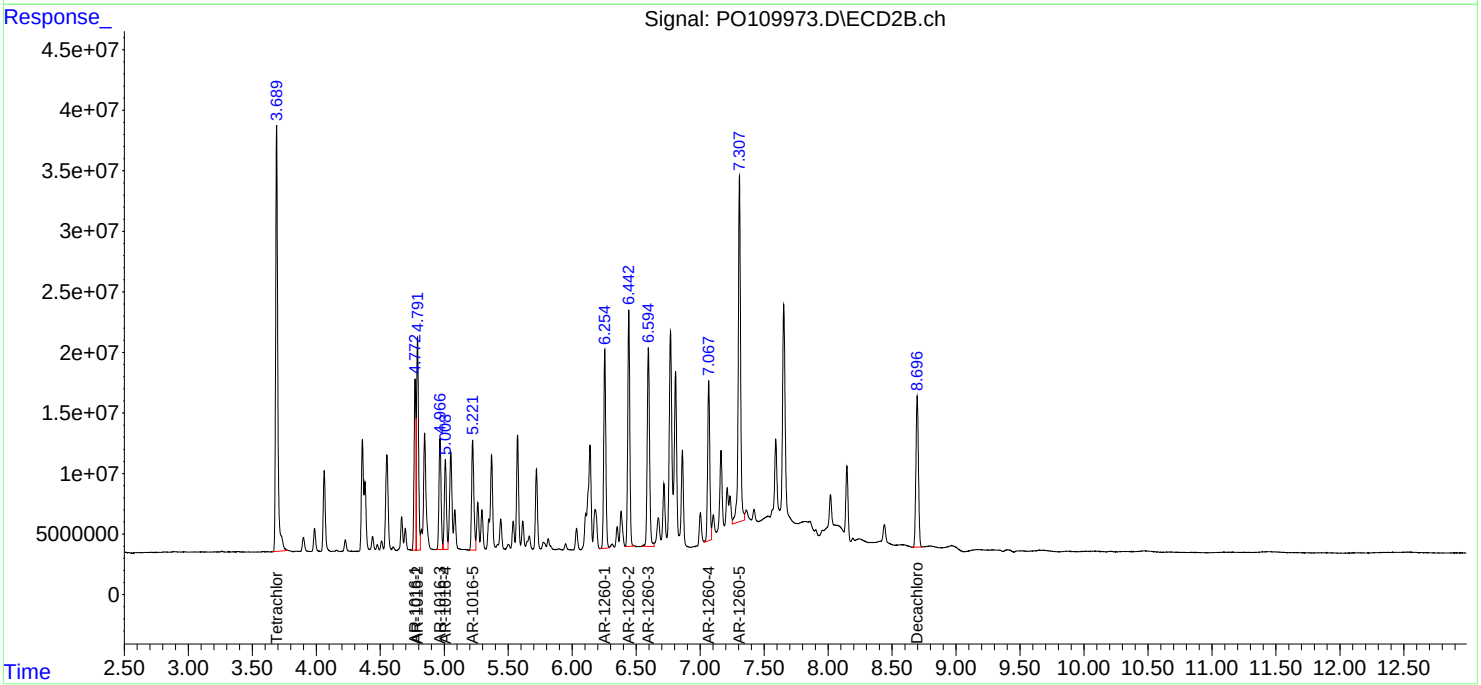
**Manual Integrations APPROVED**

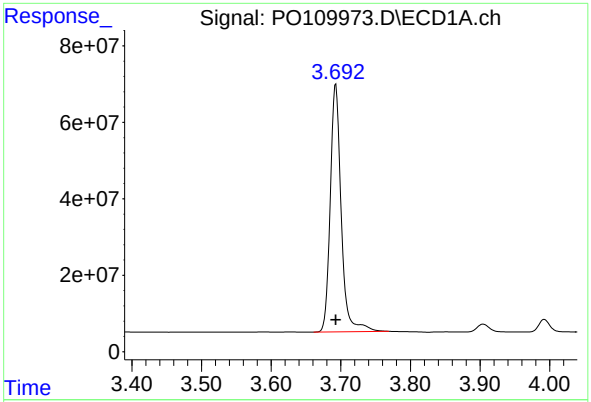
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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





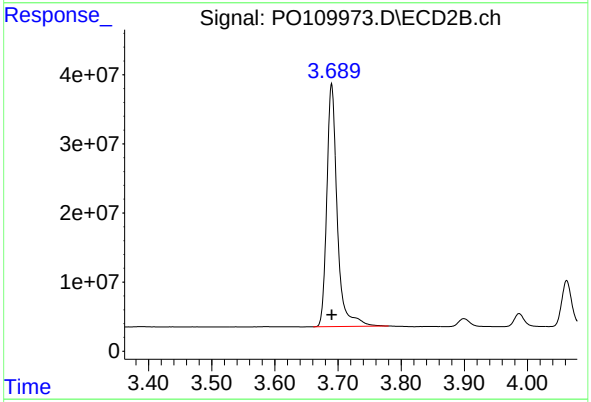

#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 705727801
Conc: 75.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

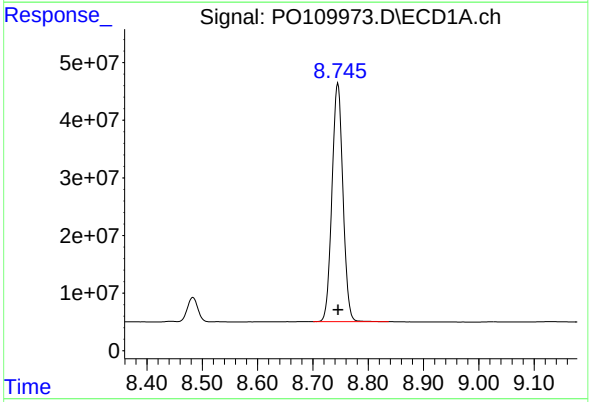
**Manual Integrations**
**APPROVED**

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



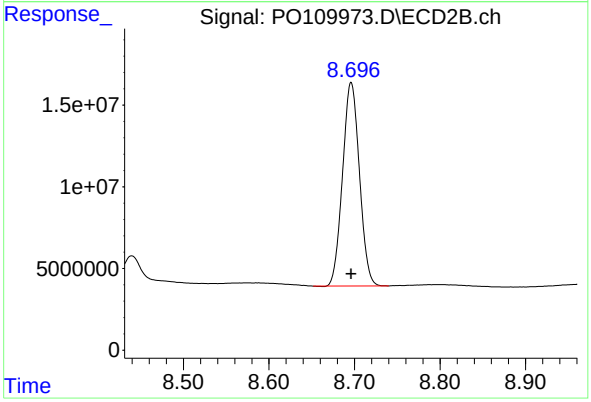

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 403376580
Conc: 74.99 ng/ml



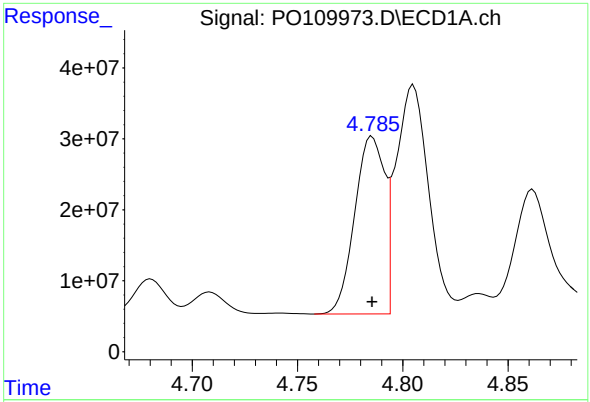

#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 568890214
Conc: 75.47 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 170836588
Conc: 72.95 ng/ml



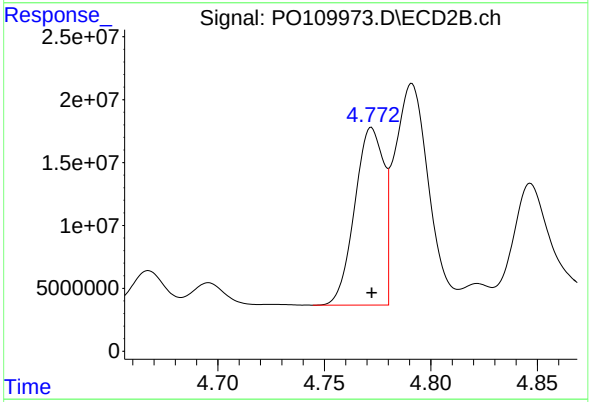

#3 AR-1016-1

R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 246831835
Conc: 747.92 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

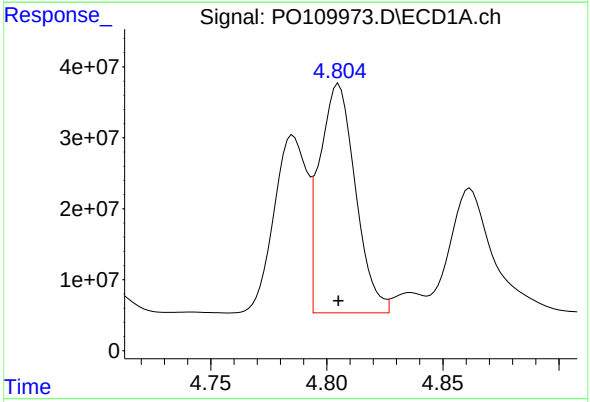
**Manual Integrations APPROVED**

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



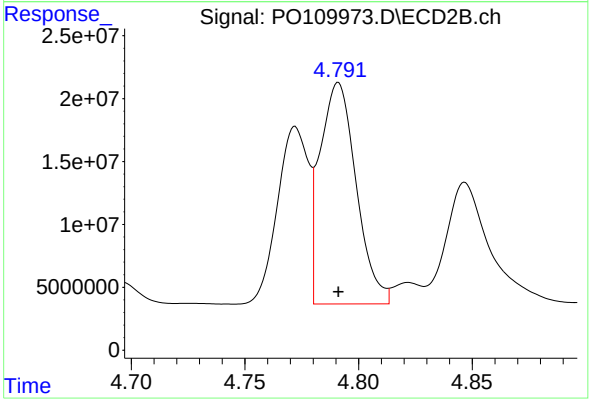

#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 133795284
Conc: 745.96 ng/ml



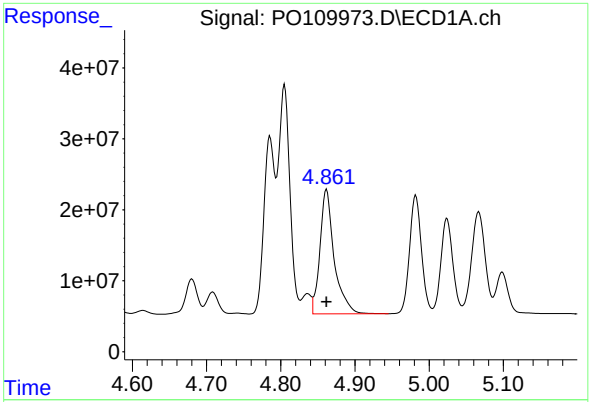

#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 347782380
Conc: 753.17 ng/ml




#4 AR-1016-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 195632208
Conc: 750.68 ng/ml



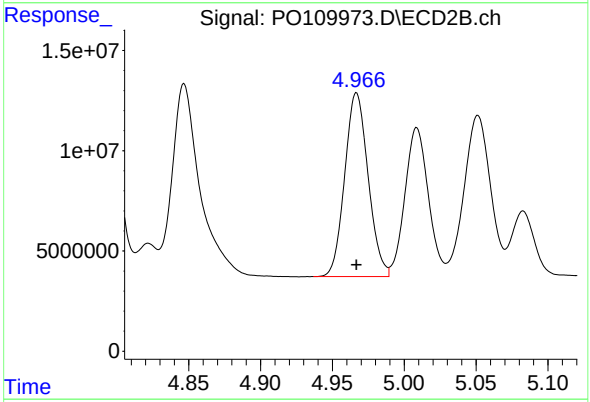

#5 AR-1016-3

R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 233678232
Conc: 751.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

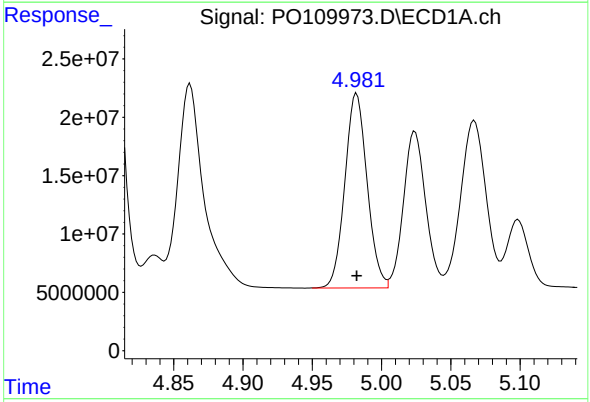
**Manual Integrations APPROVED**

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



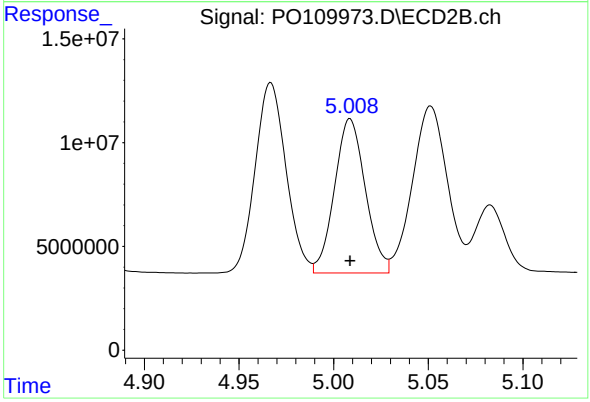

#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 103988837
Conc: 748.10 ng/ml



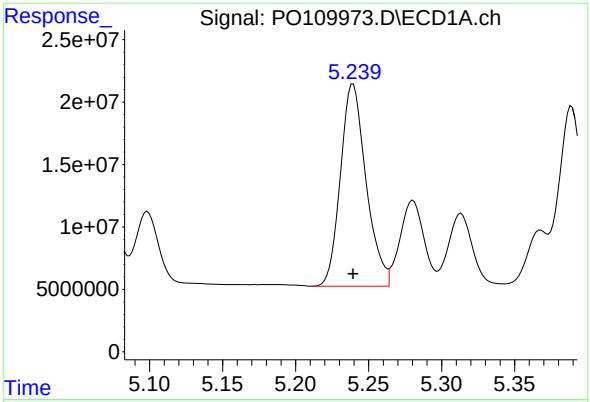

#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 186394664
Conc: 751.64 ng/ml




#6 AR-1016-4

R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 84297055
Conc: 746.61 ng/ml



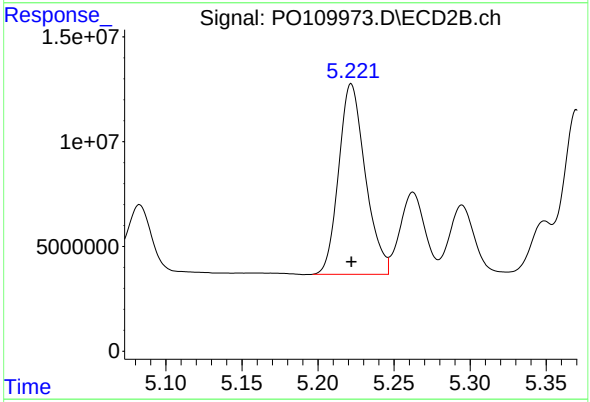

#7 AR-1016-5

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 197756047
Conc: 753.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

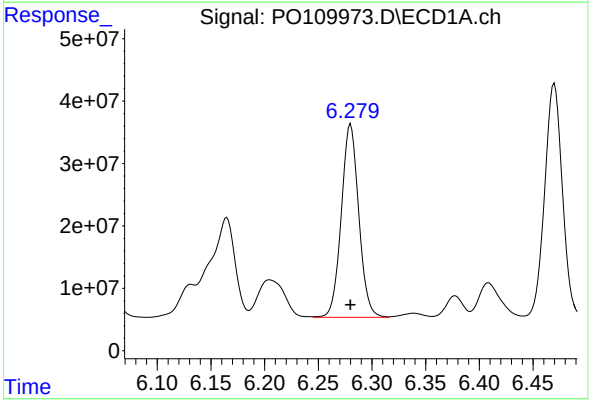
**Manual Integrations APPROVED**

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



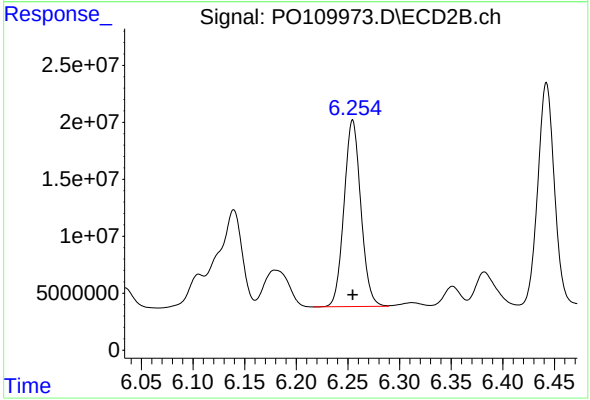

#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 110764402
Conc: 750.26 ng/ml



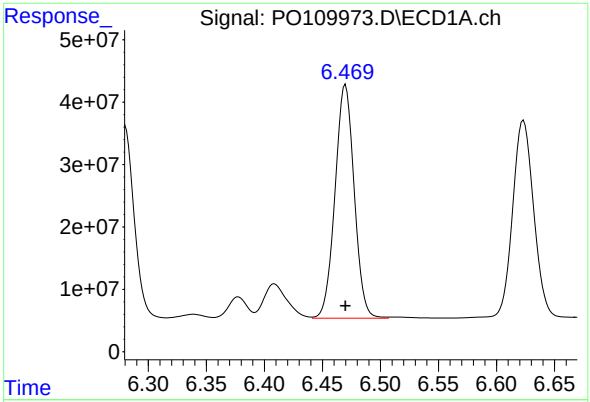

#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 350689884
Conc: 755.82 ng/ml




#31 AR-1260-1

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 185810579
Conc: 746.57 ng/ml



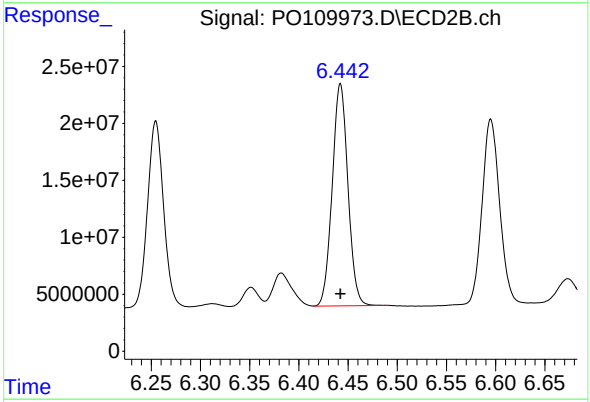

#32 AR-1260-2

R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 429776784
Conc: 759.62 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

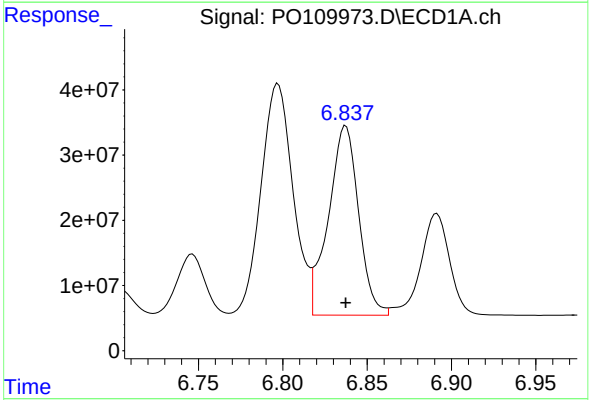
**Manual Integrations APPROVED**

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



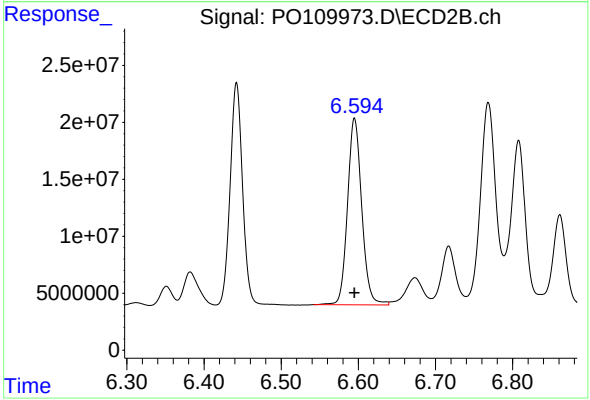

#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 216749564
Conc: 745.67 ng/ml



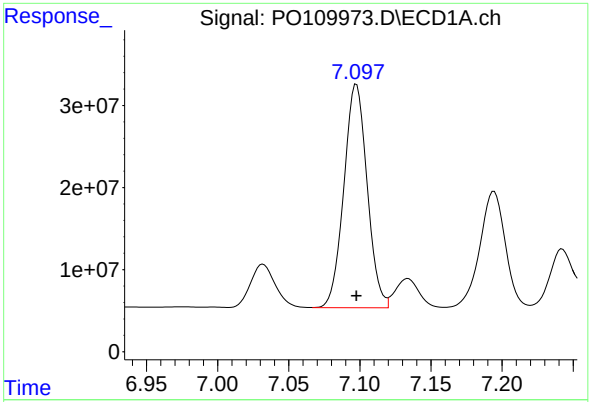

#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 362605874
Conc: 757.41 ng/ml




#33 AR-1260-3

R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 209216211
Conc: 751.59 ng/ml



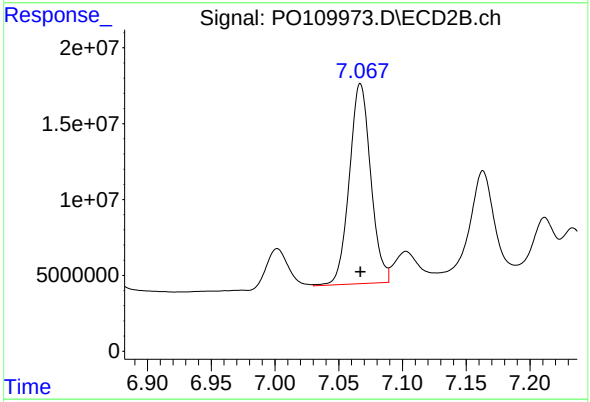

#34 AR-1260-4

R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 310296283
Conc: 751.25 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

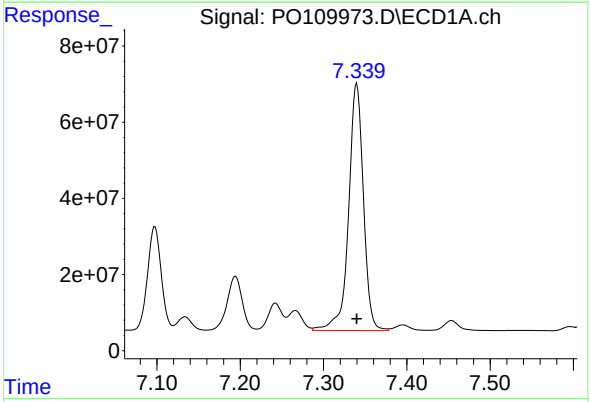
**Manual Integrations APPROVED**

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



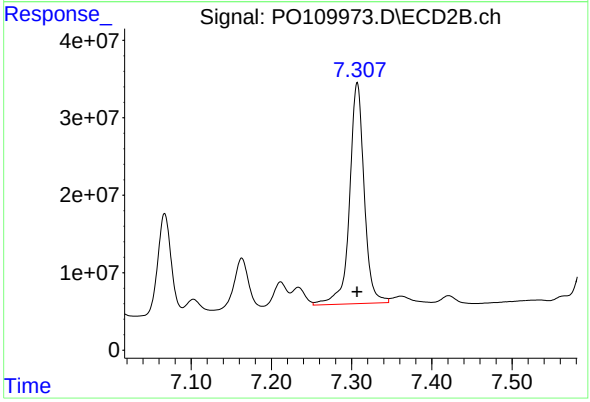

#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 154008109
Conc: 745.58 ng/ml




#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 800891670
Conc: 755.15 ng/ml




#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 361321493
Conc: 735.35 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:39
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.692 | 3.690 | 477.8E6 | 274.0E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.745 | 8.696 | 385.8E6 | 121.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.785 | 4.772 | 171.1E6 | 92977156 | 500.000 | 500.000 |
| 4) | L1 AR-1016-2 | 4.804 | 4.791 | 237.6E6 | 134.0E6 | 500.000 | 500.000 |
| 5) | L1 AR-1016-3 | 4.861 | 4.967 | 162.1E6 | 72165677 | 500.000 | 500.000 |
| 6) | L1 AR-1016-4 | 4.981 | 5.009 | 128.7E6 | 59325871 | 500.000 | 500.000 |
| 7) | L1 AR-1016-5 | 5.239 | 5.222 | 136.4E6 | 76743016 | 500.000 | 500.000 |
| 31) | L7 AR-1260-1 | 6.280 | 6.255 | 238.0E6 | 129.4E6 | 500.000 | 500.000 |
| 32) | L7 AR-1260-2 | 6.469 | 6.442 | 287.3E6 | 150.6E6 | 500.000 | 500.000 |
| 33) | L7 AR-1260-3 | 6.837 | 6.595 | 243.3E6 | 144.3E6 | 500.000 | 500.000 |
| 34) | L7 AR-1260-4 | 7.098 | 7.067 | 214.9E6 | 109.1E6 | 500.000 | 500.000 |
| 35) | L7 AR-1260-5 | 7.339 | 7.307 | 538.3E6 | 256.9E6 | 500.000 | 500.000 |

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

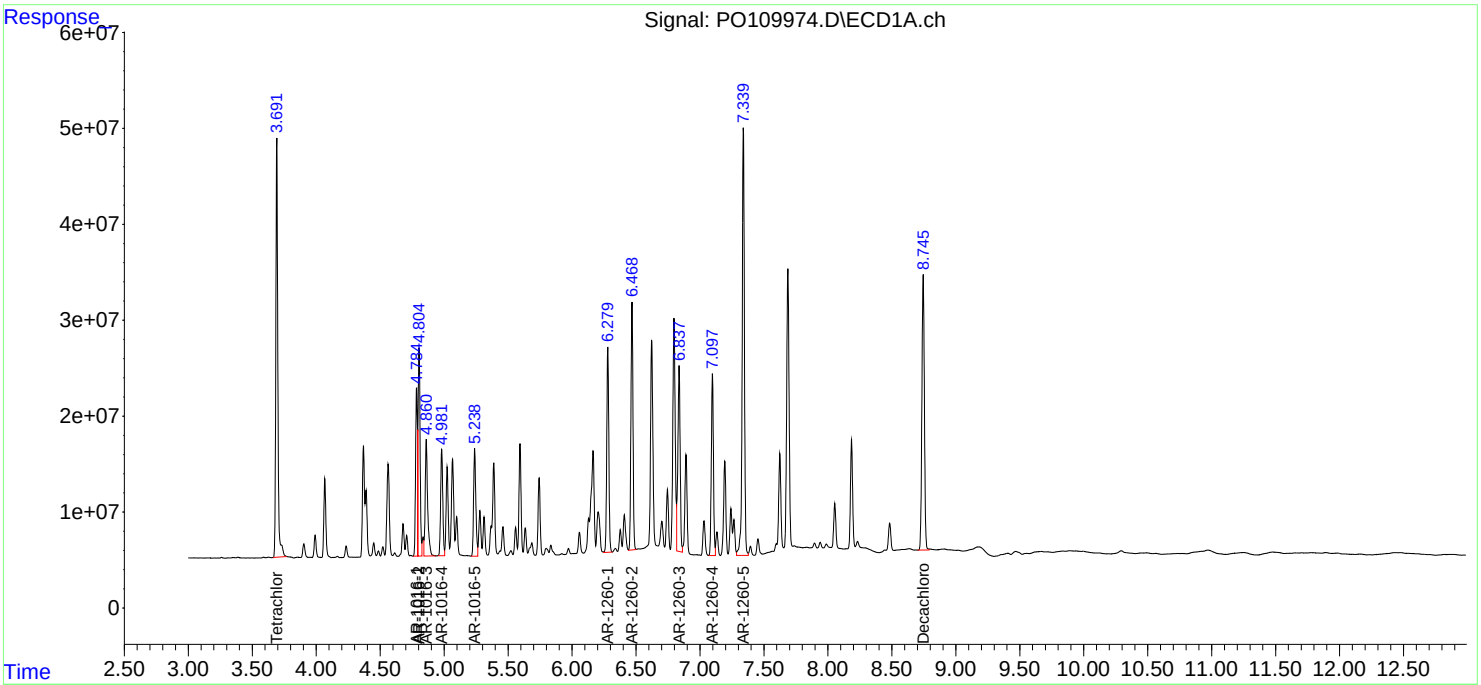
ICAL Form

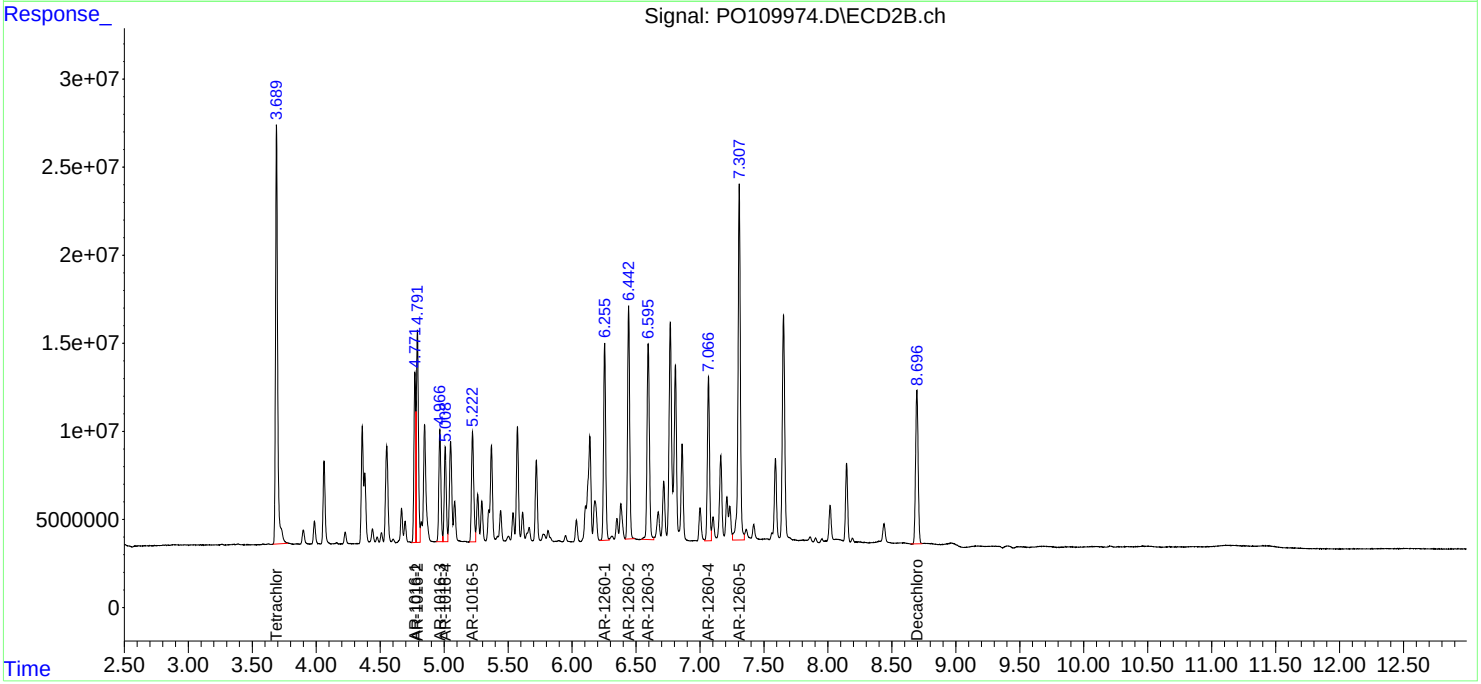
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:39
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

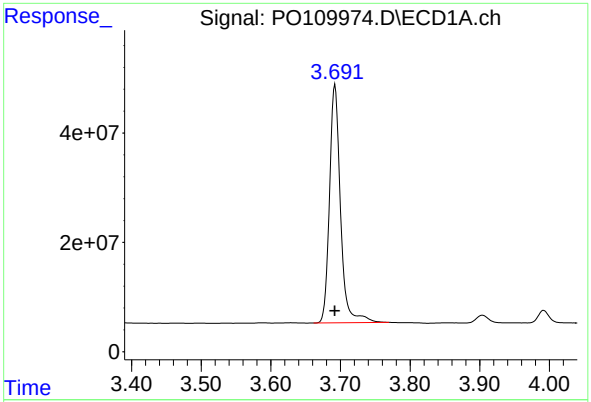
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:30:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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



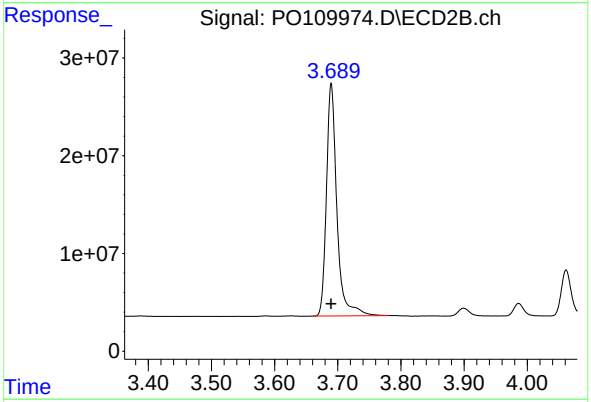






#1 Tetrachloro-m-xylene

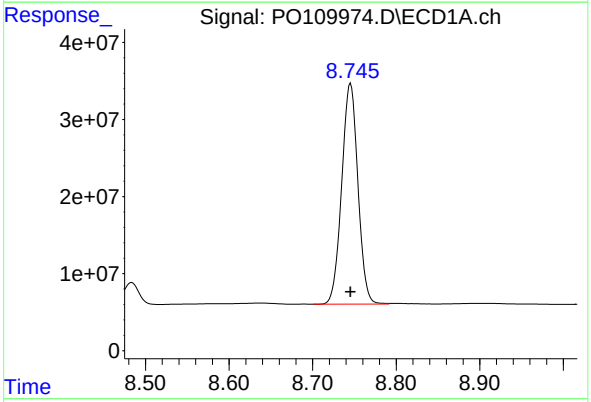
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 477817549
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



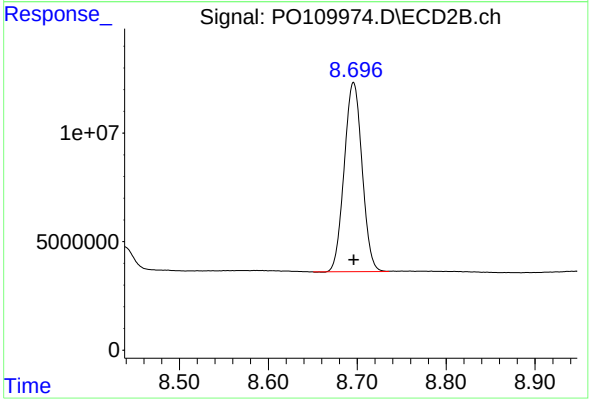

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 274012521
Conc: 50.00 ng/ml



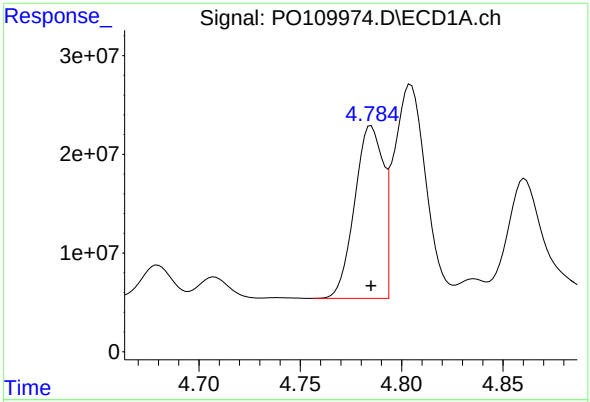

#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 385791842
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

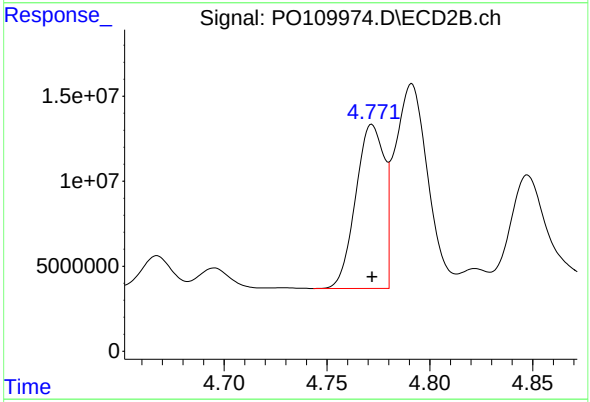
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 121637394
Conc: 50.00 ng/ml




#3 AR-1016-1

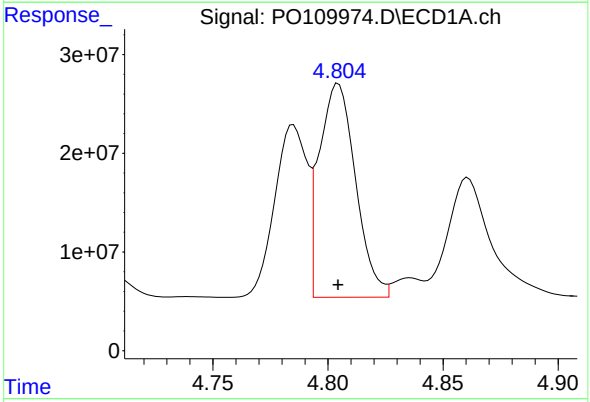
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 171088494
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



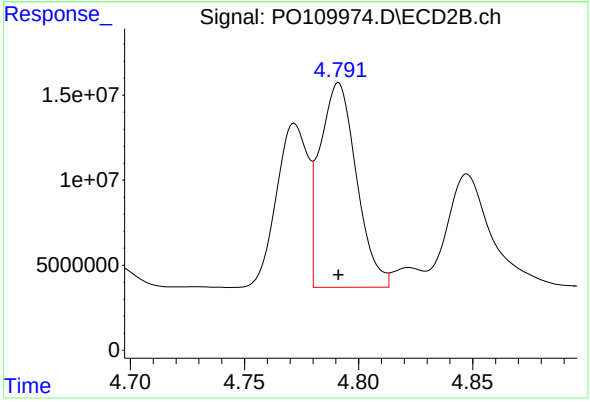

#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 92977156
Conc: 500.00 ng/ml



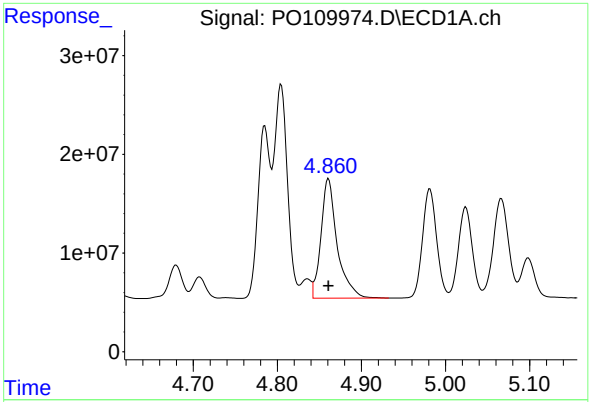

#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 237586218
Conc: 500.00 ng/ml




#4 AR-1016-2

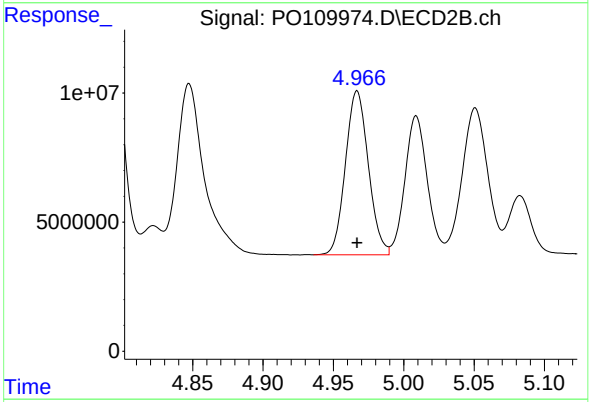
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 134031008
Conc: 500.00 ng/ml




#5 AR-1016-3

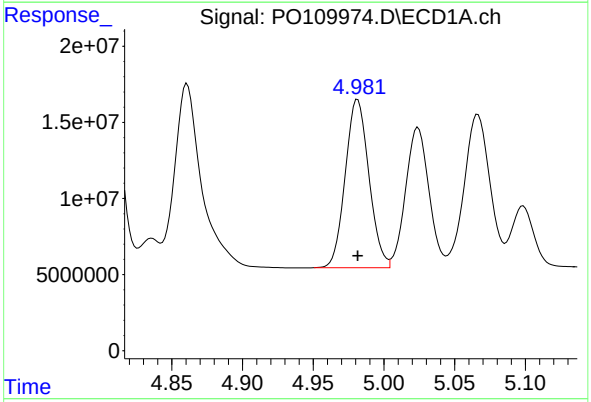
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 162141843
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



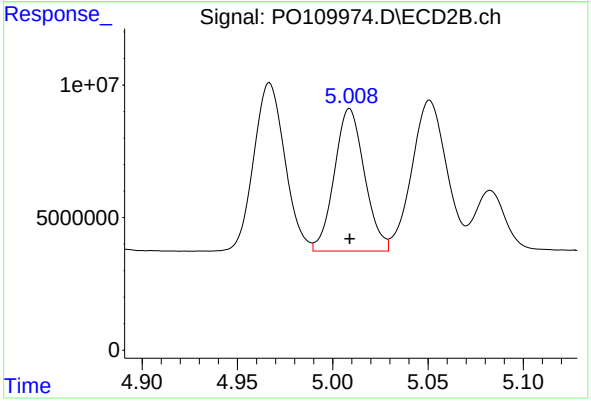

#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 72165677
Conc: 500.00 ng/ml



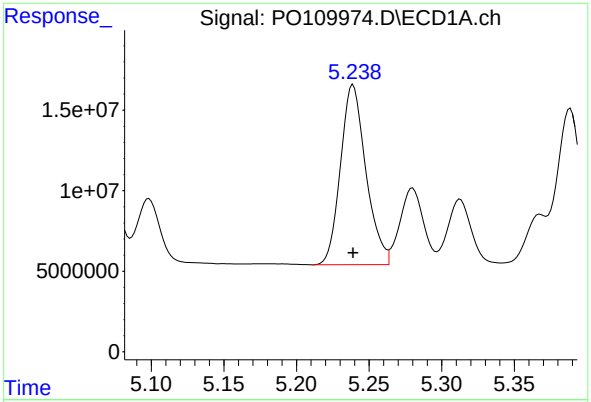

#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 128722871
Conc: 500.00 ng/ml




#6 AR-1016-4

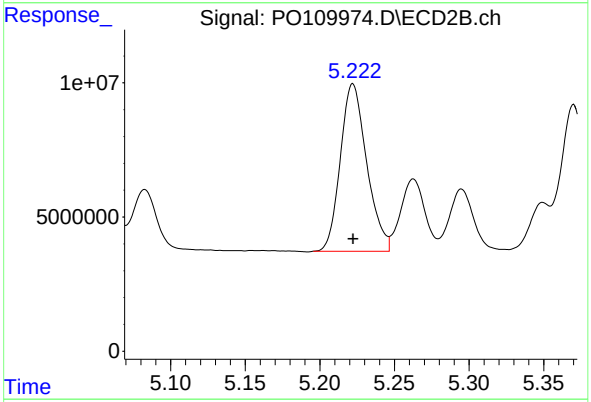
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 59325871
Conc: 500.00 ng/ml




#7 AR-1016-5

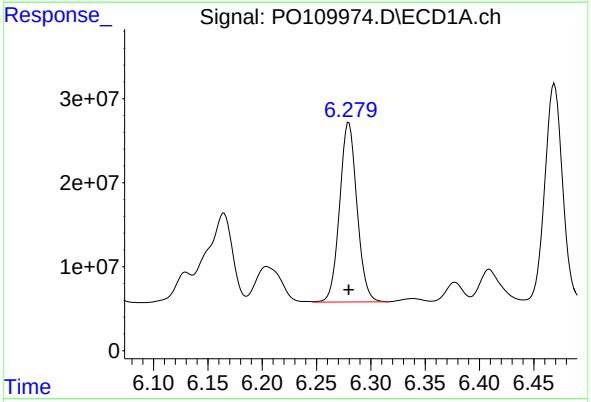
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 136363594
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



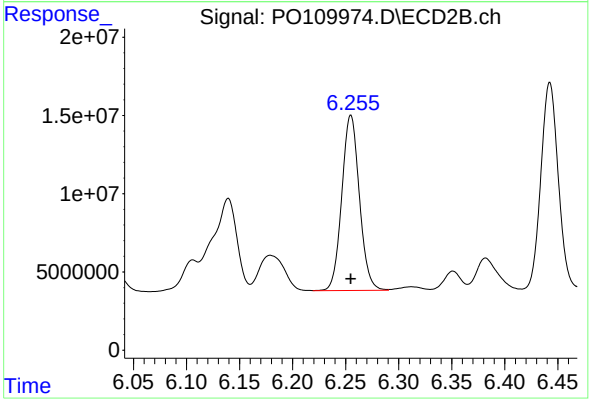

#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 76743016
Conc: 500.00 ng/ml



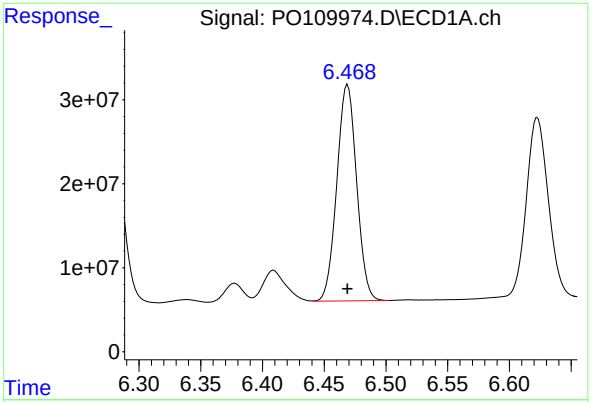

#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 237952141
Conc: 500.00 ng/ml




#31 AR-1260-1

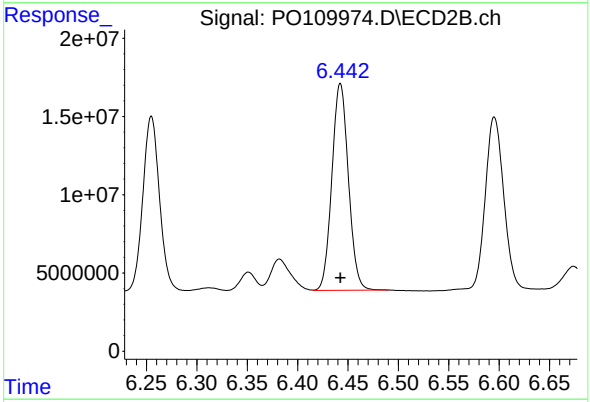
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 129416310
Conc: 500.00 ng/ml




#32 AR-1260-2

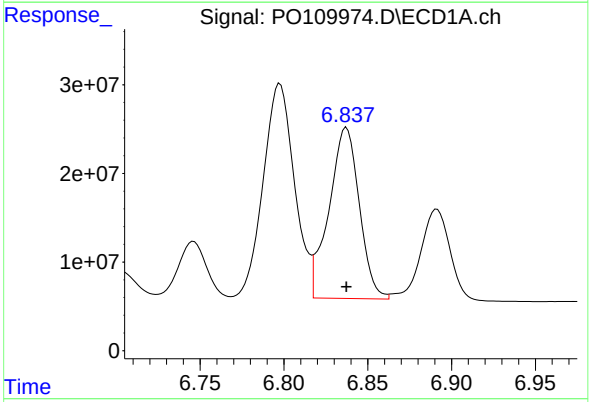
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 287269085
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



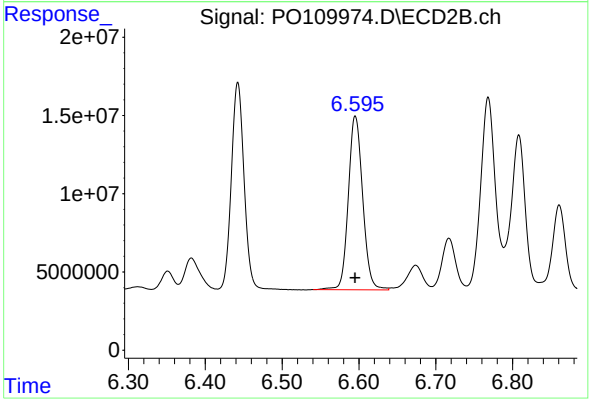

#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 150638478
Conc: 500.00 ng/ml



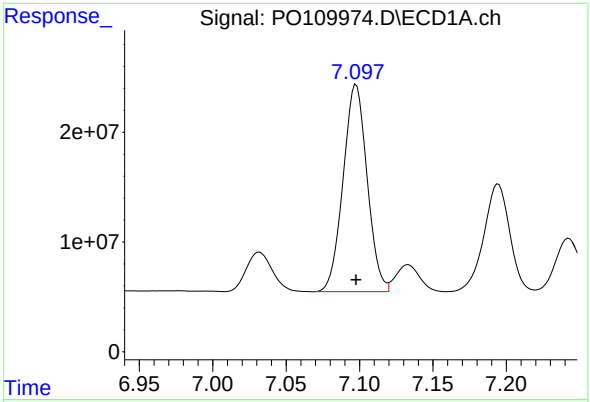

#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 243253685
Conc: 500.00 ng/ml




#33 AR-1260-3

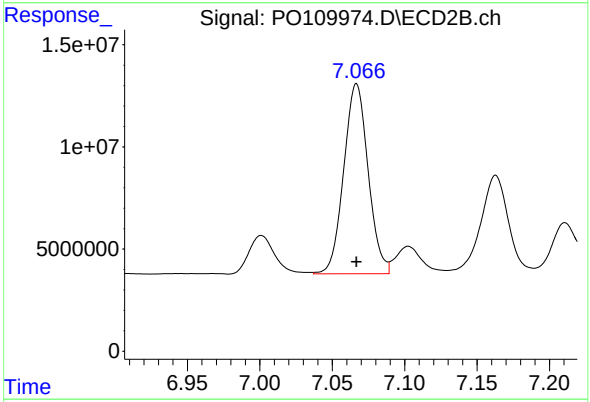
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 144265334
Conc: 500.00 ng/ml




#34 AR-1260-4

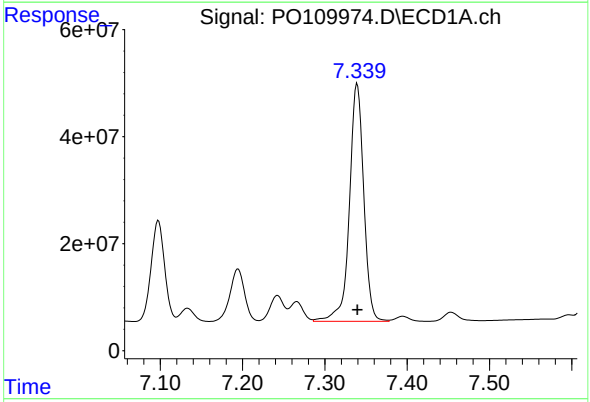
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 214906066
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500



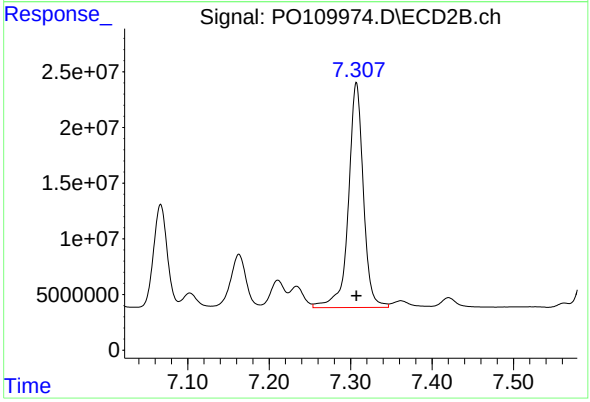

#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 109147436
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 538302683
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 256891434
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:58
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:39:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.692 | 3.690 | 233.8E6 | 137.9E6 | 24.929 | 25.476 |
| 2) | SA Decachlor... | 8.745 | 8.696 | 201.6E6 | 65500844 | 26.286 | 27.163 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.785 | 4.772 | 88646972 | 48746375 | 263.699 | 265.987 |
| 4) | L1 AR-1016-2 | 4.804 | 4.791 | 123.1E6 | 69074645 | 262.197 | 261.121 |
| 5) | L1 AR-1016-3 | 4.861 | 4.967 | 85428739 | 37541292 | 268.076 | 264.759 |
| 6) | L1 AR-1016-4 | 4.981 | 5.009 | 67025370 | 31466909 | 264.908 | 270.924 |
| 7) | L1 AR-1016-5 | 5.239 | 5.222 | 72404369 | 40645243 | 269.031 | 268.512 |
| 31) | L7 AR-1260-1 | 6.280 | 6.254 | 125.2E6 | 68345949 | 264.643 | 268.013 |
| 32) | L7 AR-1260-2 | 6.469 | 6.441 | 151.2E6 | 78966840 | 262.745 | 265.904 |
| 33) | L7 AR-1260-3 | 6.837 | 6.594 | 126.6E6 | 76461934 | 260.615 | 268.065 |
| 34) | L7 AR-1260-4 | 7.097 | 7.066 | 113.3E6 | 57323009 | 267.737 | 270.080 |
| 35) | L7 AR-1260-5 | 7.339 | 7.307 | 272.1E6 | 130.2E6 | 254.883 | 260.615 |

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

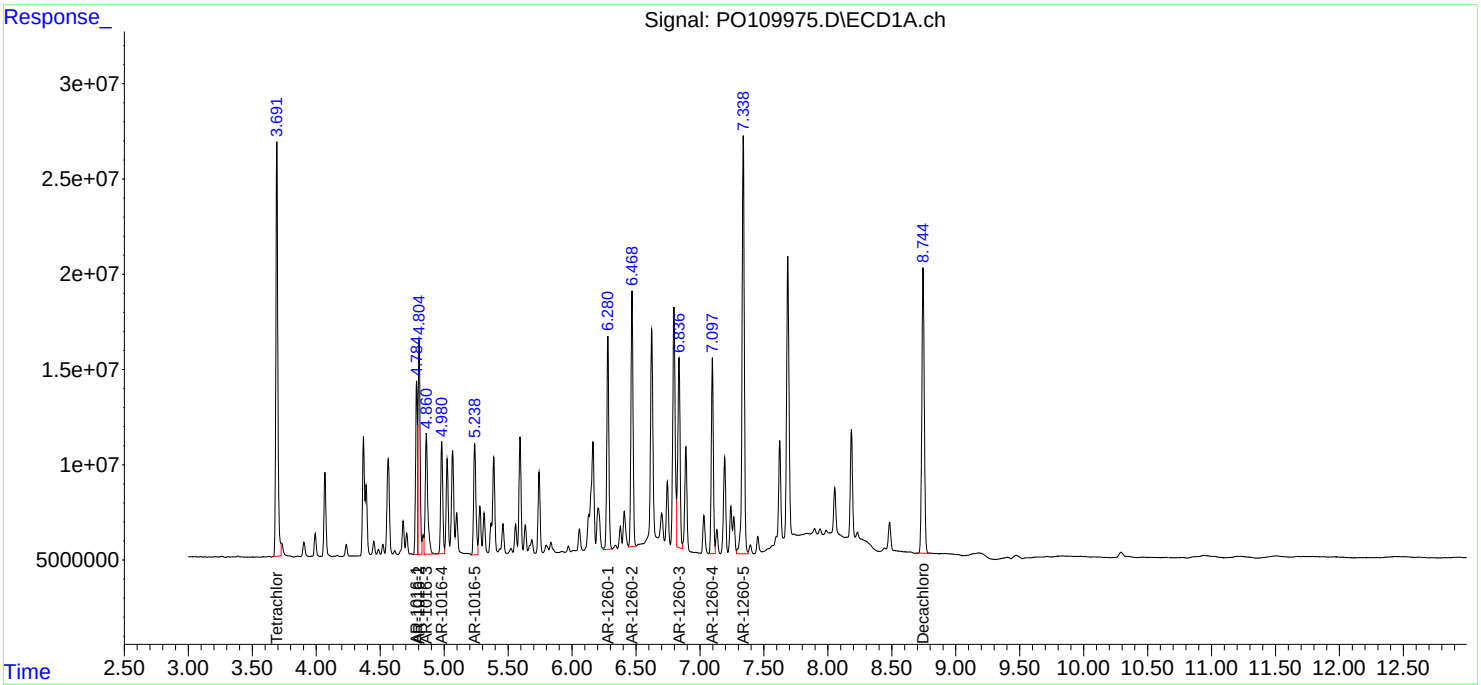
ICAL Form

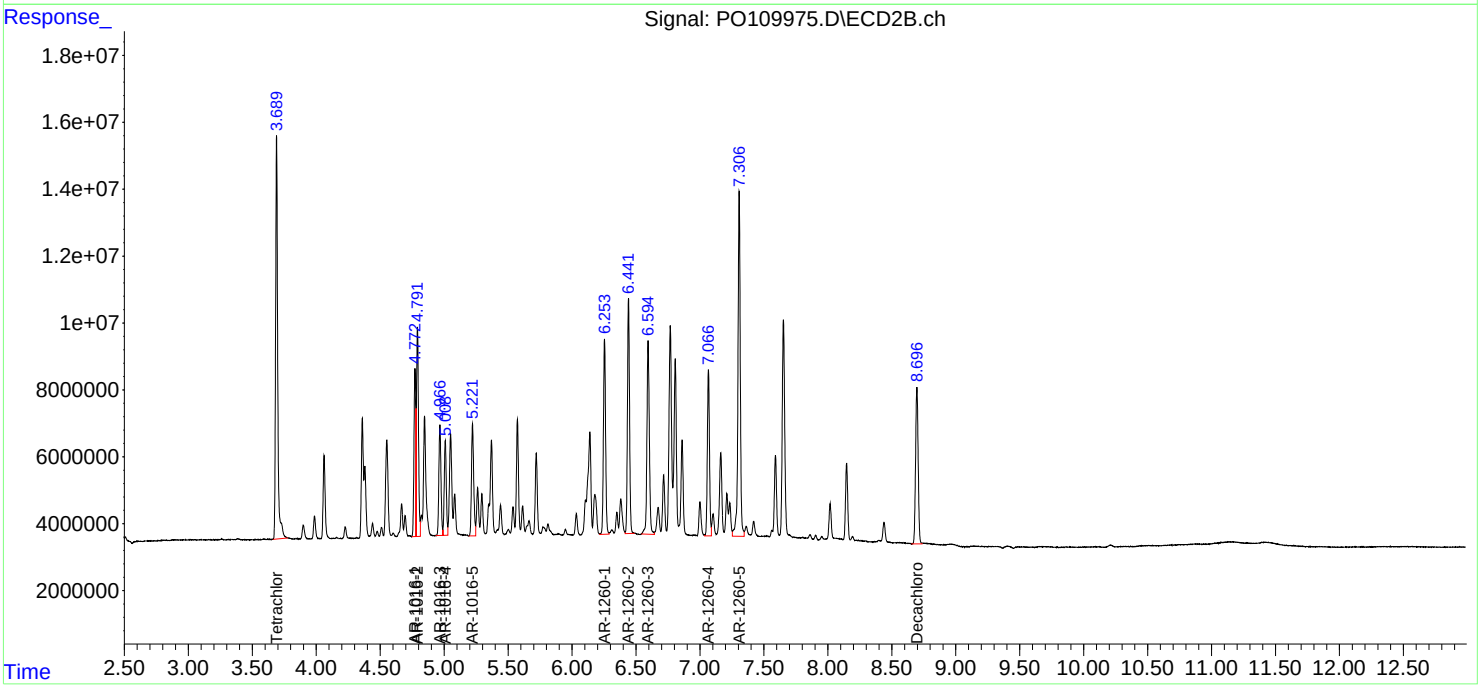
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:58
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

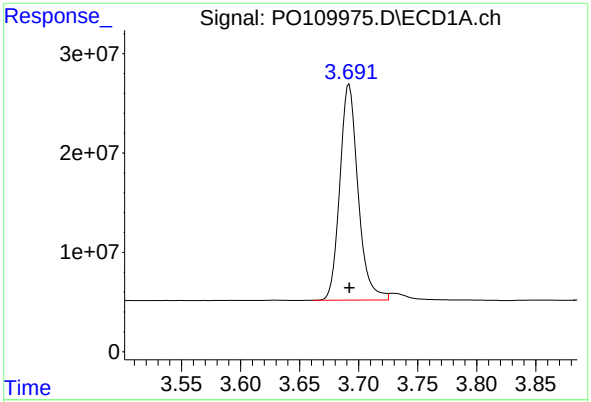
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:39:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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



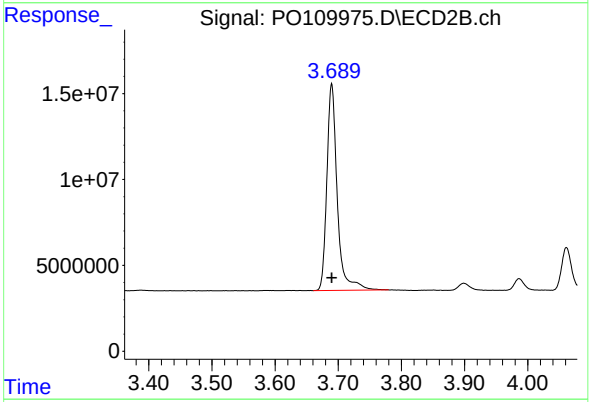






#1 Tetrachloro-m-xylene

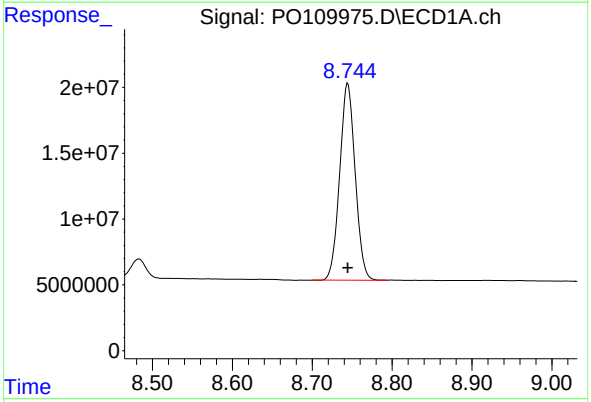
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 233755001
Conc: 24.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



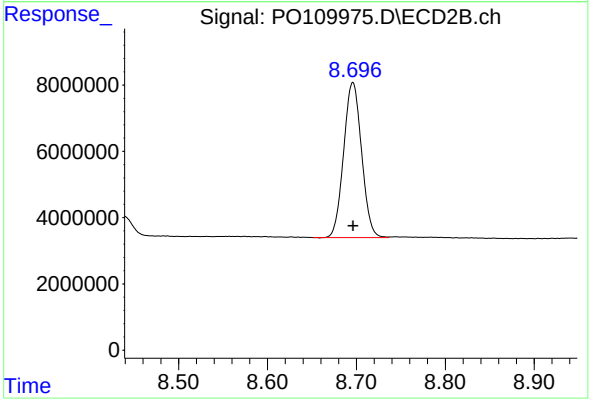

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 137920449
Conc: 25.48 ng/ml



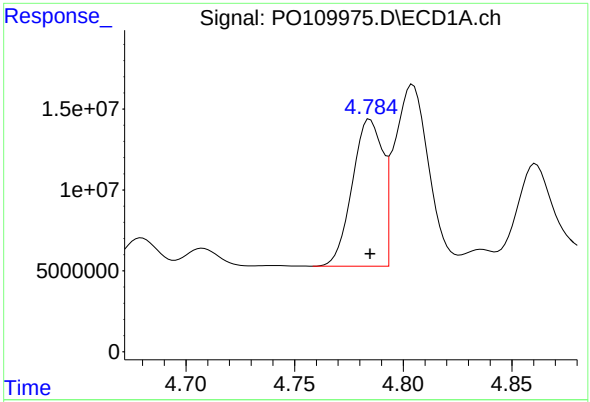

#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 201609663
Conc: 26.29 ng/ml




#2 Decachlorobiphenyl

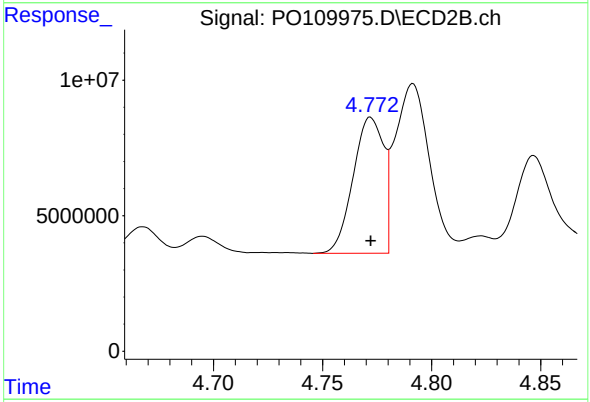
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 65500844
Conc: 27.16 ng/ml




#3 AR-1016-1

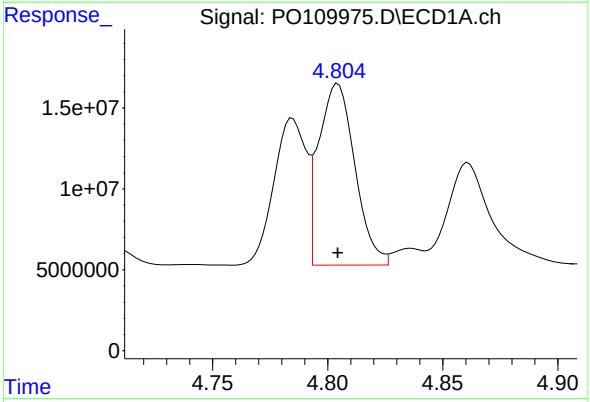
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 88646972
Conc: 263.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



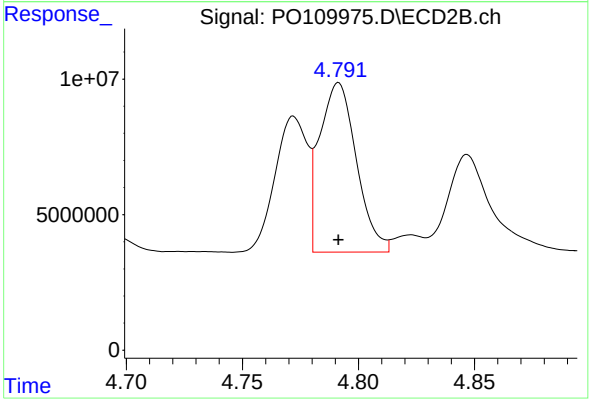

#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 48746375
Conc: 265.99 ng/ml



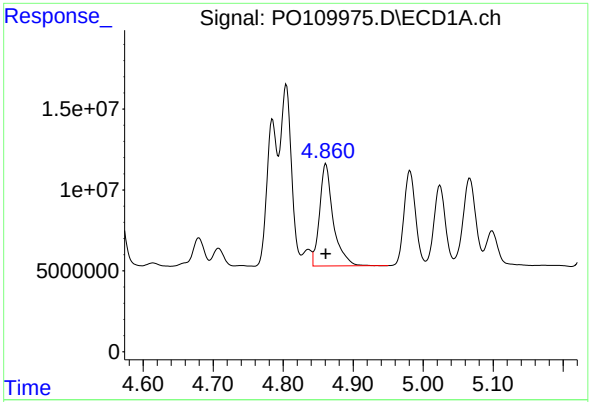

#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 123072474
Conc: 262.20 ng/ml




#4 AR-1016-2

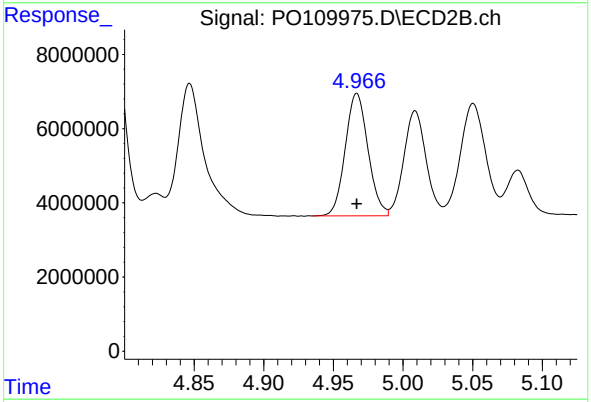
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 69074645
Conc: 261.12 ng/ml




#5 AR-1016-3

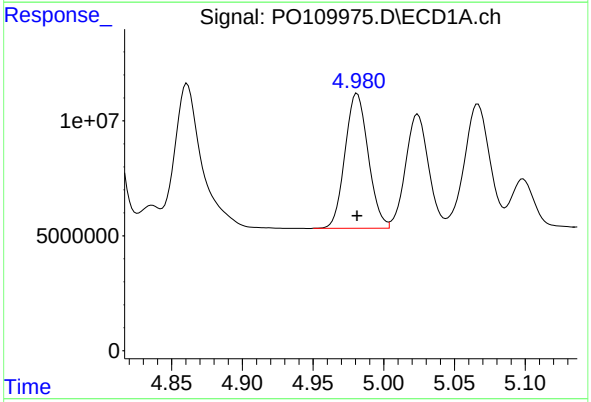
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 85428739
Conc: 268.08 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



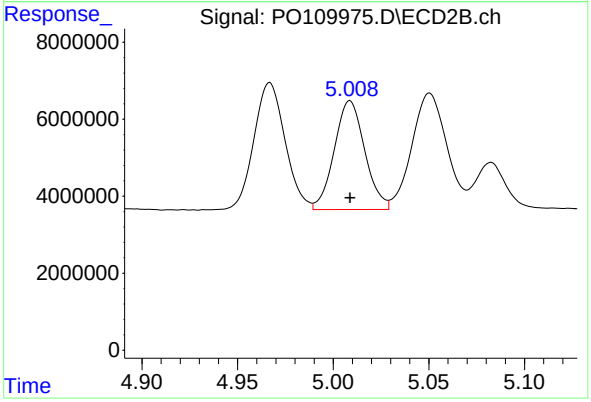

#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 37541292
Conc: 264.76 ng/ml



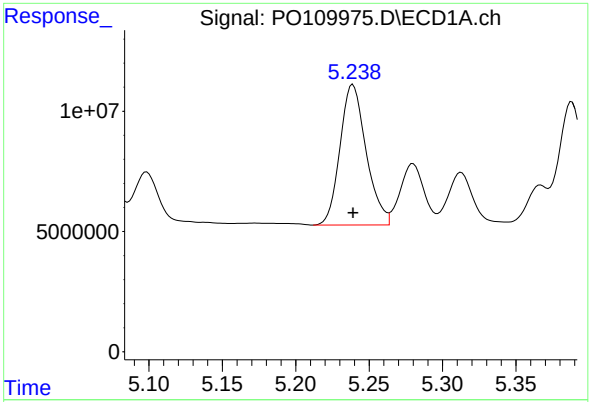

#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 67025370
Conc: 264.91 ng/ml




#6 AR-1016-4

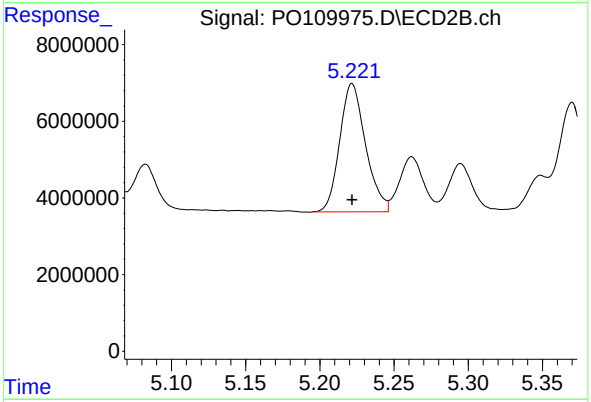
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 31466909
Conc: 270.92 ng/ml




#7 AR-1016-5

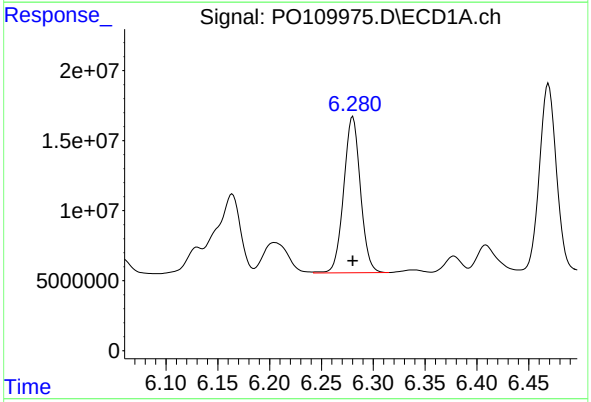
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 72404369
Conc: 269.03 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



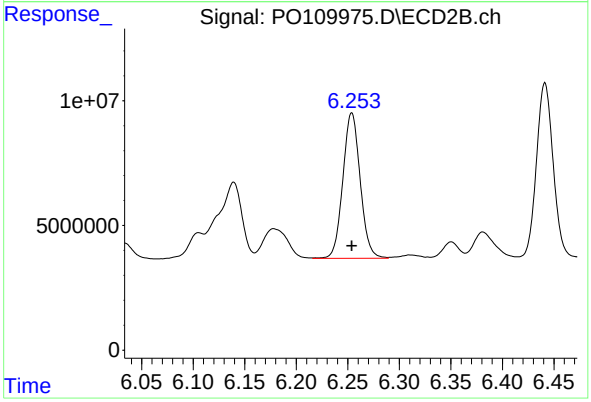

#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 40645243
Conc: 268.51 ng/ml



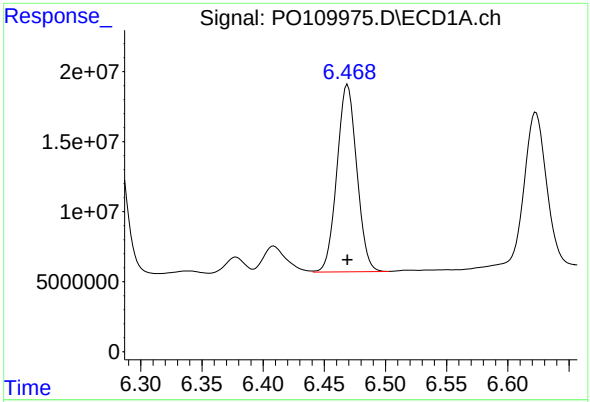

#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 125236229
Conc: 264.64 ng/ml




#31 AR-1260-1

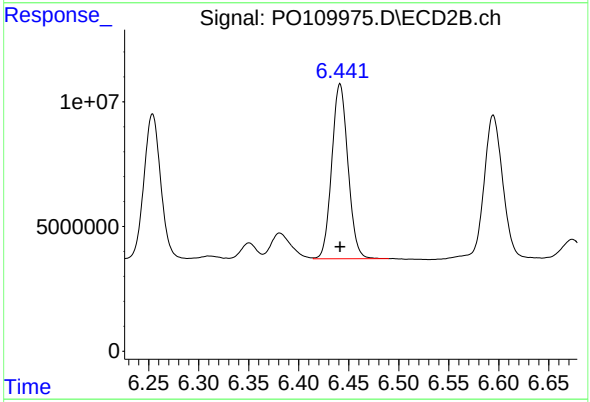
R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 68345949
Conc: 268.01 ng/ml




#32 AR-1260-2

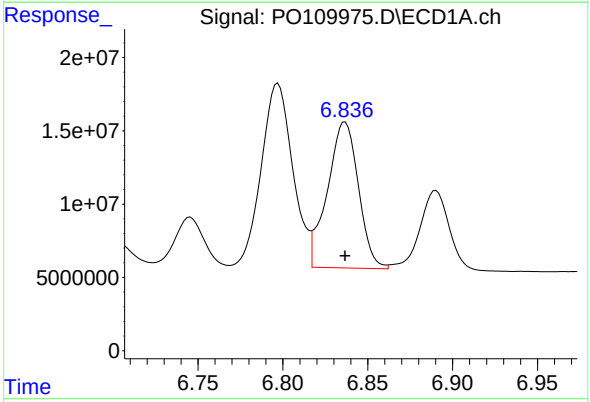
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 151225079
Conc: 262.75 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



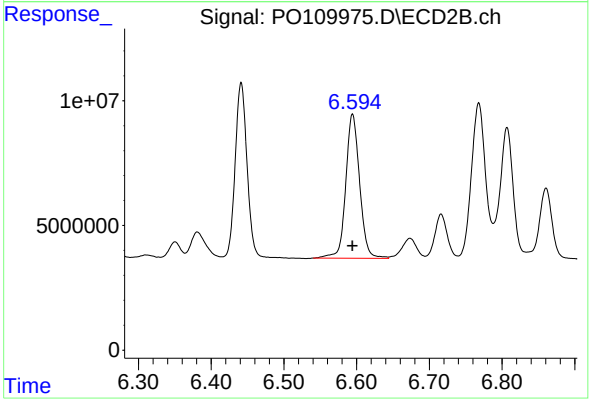

#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 78966840
Conc: 265.90 ng/ml



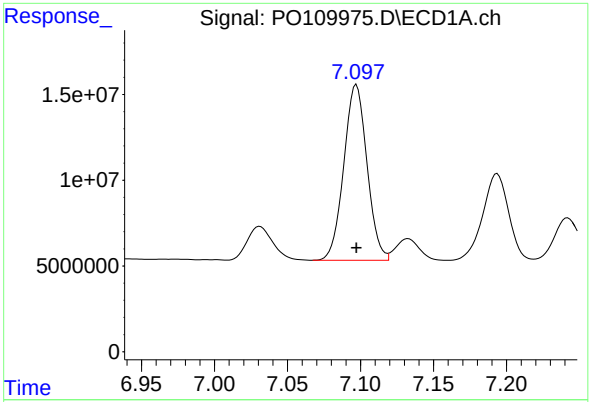

#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 126558412
Conc: 260.61 ng/ml




#33 AR-1260-3

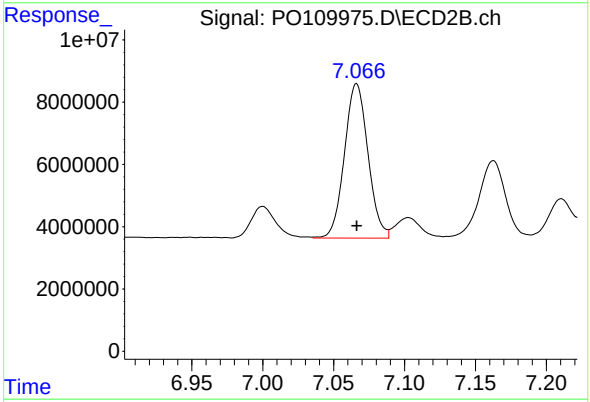
R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 76461934
Conc: 268.07 ng/ml




#34 AR-1260-4

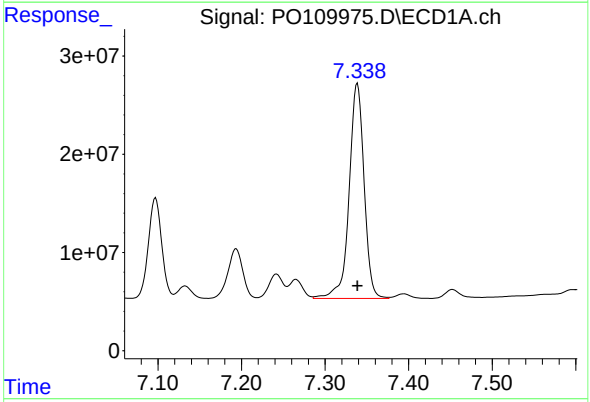
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 113264613
Conc: 267.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250



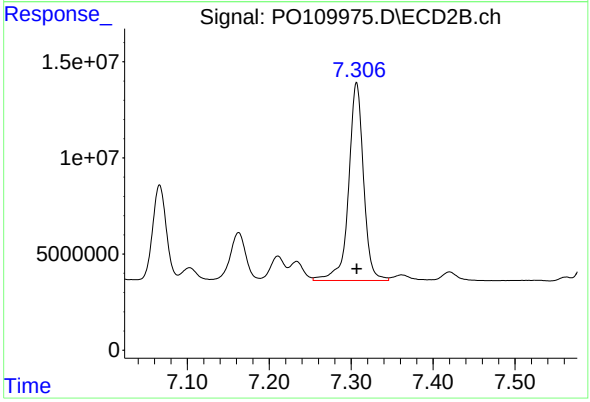

#34 AR-1260-4

R.T.: 7.066 min
Delta R.T.: 0.000 min
Response: 57323009
Conc: 270.08 ng/ml




#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 272092445
Conc: 254.88 ng/ml




#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 130197884
Conc: 260.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

**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 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.691 | 3.688 | 39998137 | 22828400 | 4.395 | 4.353 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 38817794 | 12425222 | 5.049 | 5.121 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.784 | 4.771 | 16902653 | 9160493 | 50.224 | 49.988 |
| 4) | L1 AR-1016-2 | 4.804 | 4.790 | 22043406 | 12469957 | 47.540 | 47.685 |
| 5) | L1 AR-1016-3 | 4.860 | 4.965 | 16411868 | 7085785 | 51.193 | 49.978 |
| 6) | L1 AR-1016-4 | 4.981 | 5.008 | 12569483 | 6253080 | 49.743 | 53.024 |
| 7) | L1 AR-1016-5 | 5.238 | 5.220 | 14890720 | 7955288 | 54.174 | 52.023 |
| 31) | L7 AR-1260-1 | 6.278 | 6.252 | 23192253 | 12858546 | 48.956m | 50.252m |
| 32) | L7 AR-1260-2 | 6.468 | 6.441 | 33768251 | 15676301 | 56.704 | 52.205 |
| 33) | L7 AR-1260-3 | 6.836 | 6.593 | 24202394 | 15198300 | 49.871 | 53.072m |
| 34) | L7 AR-1260-4 | 7.096 | 7.065 | 21433117 | 11320638 | 50.530 | 52.635 |
| 35) | L7 AR-1260-5 | 7.339 | 7.306 | 47957612 | 24758089 | 45.855 | 49.646 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

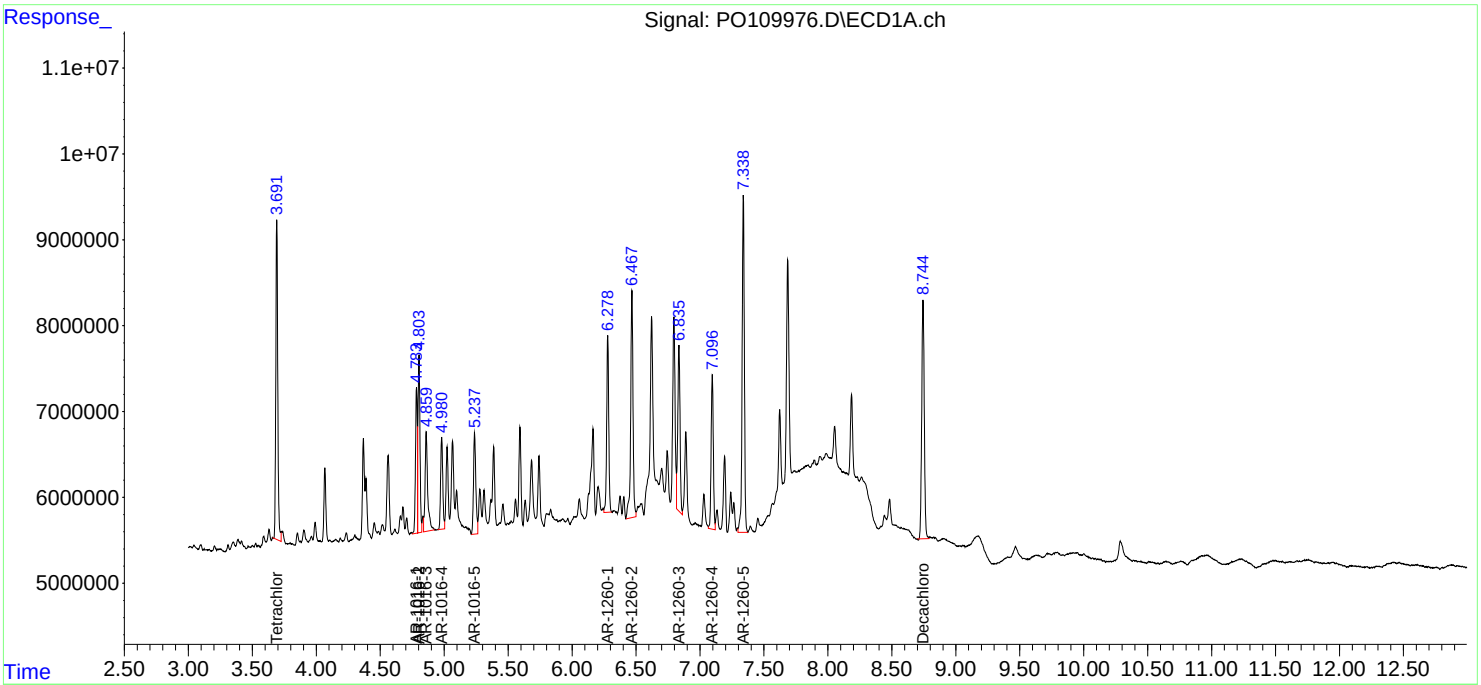
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

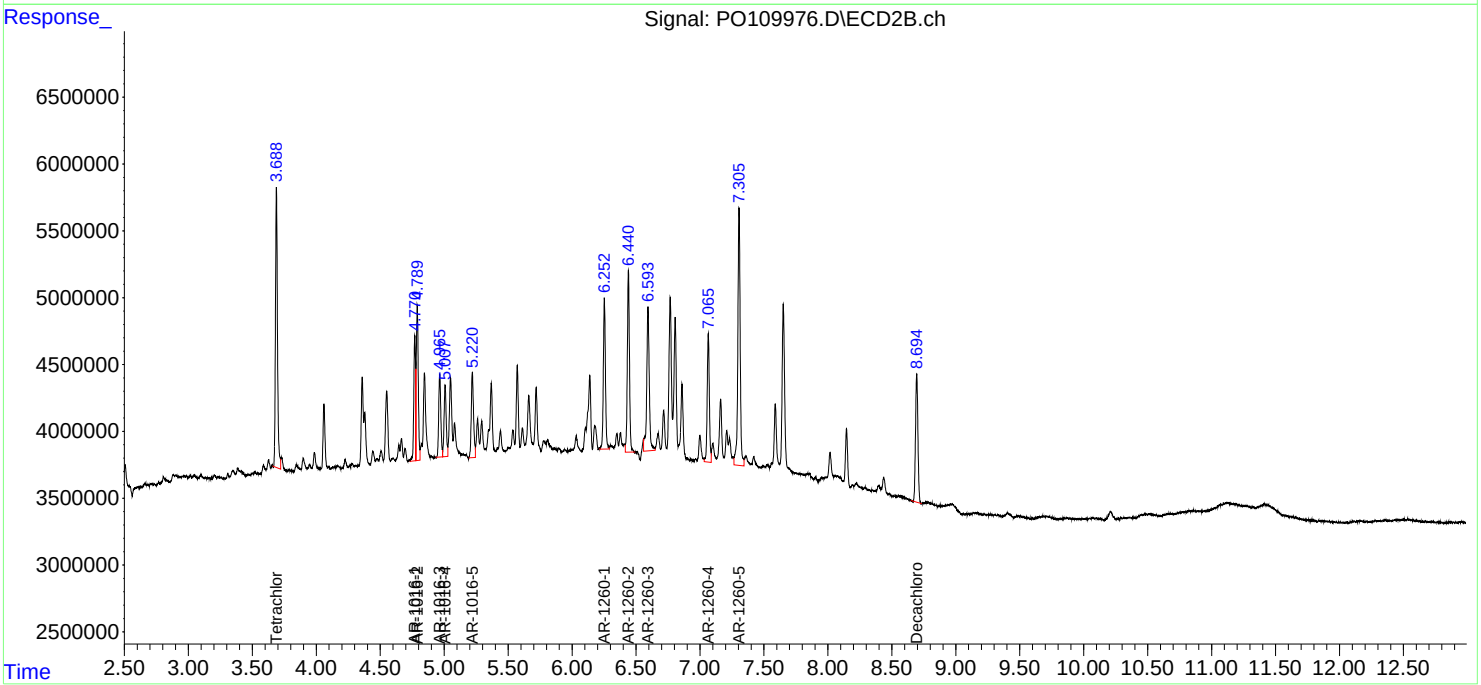
**Manual Integrations APPROVED**

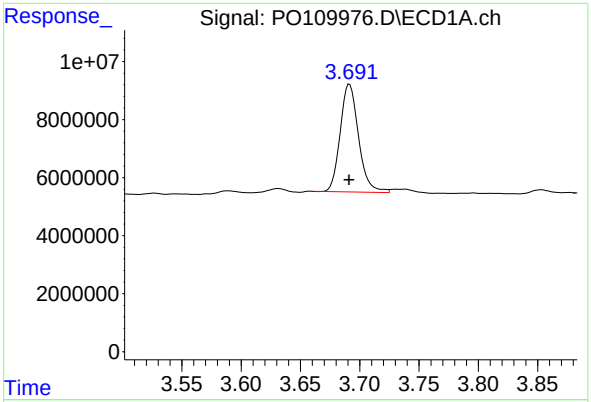
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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





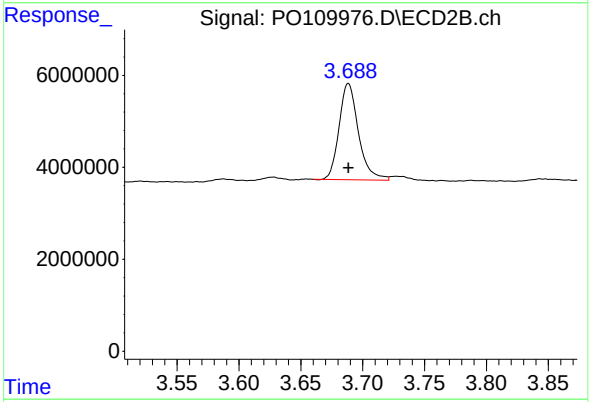

#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 39998137
Conc: 4.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

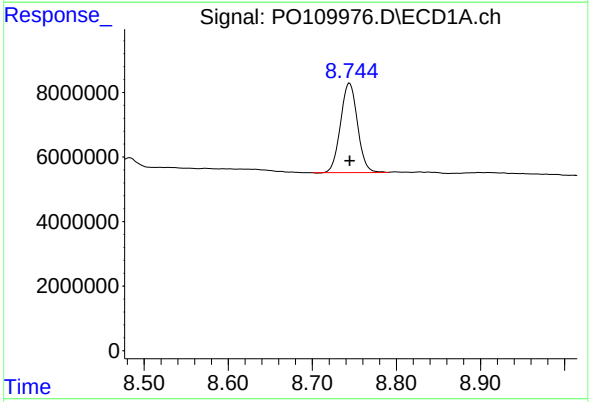
**Manual Integrations APPROVED**

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



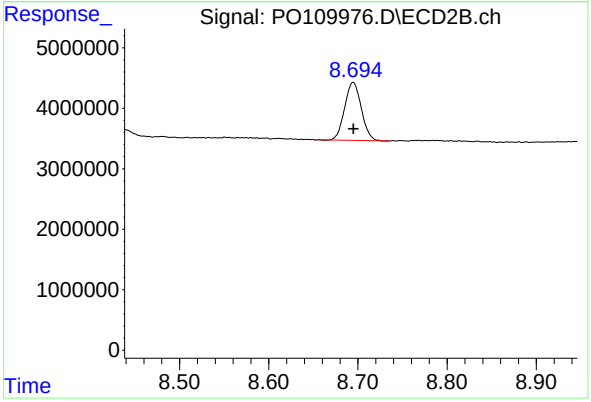

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 22828400
Conc: 4.35 ng/ml



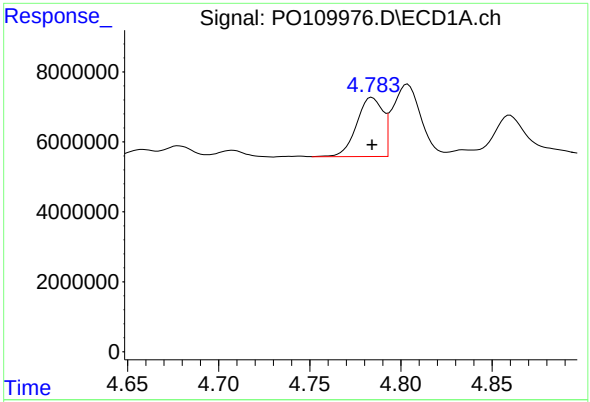

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 38817794
Conc: 5.05 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 12425222
Conc: 5.12 ng/ml



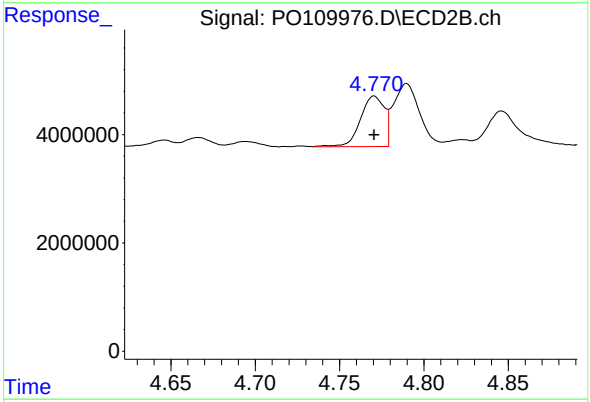

#3 AR-1016-1

R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 16902653
Conc: 50.22 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

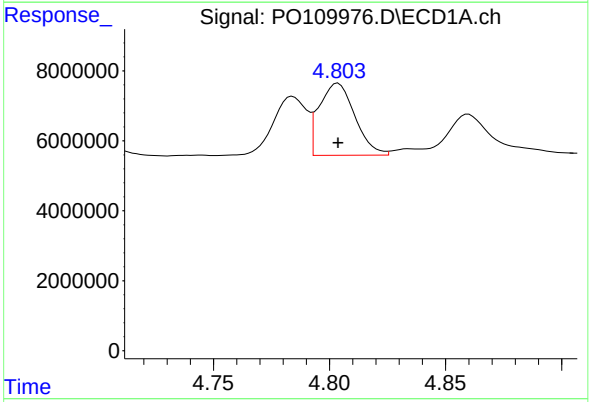
**Manual Integrations APPROVED**

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



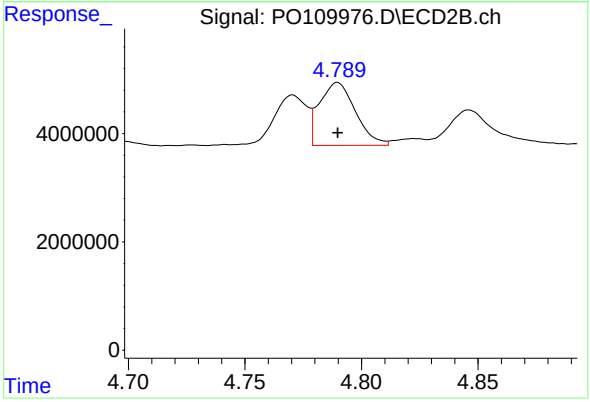

#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 9160493
Conc: 49.99 ng/ml



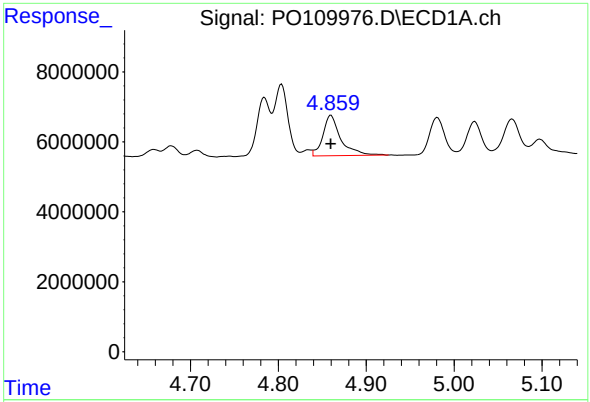

#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 22043406
Conc: 47.54 ng/ml




#4 AR-1016-2

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 12469957
Conc: 47.69 ng/ml



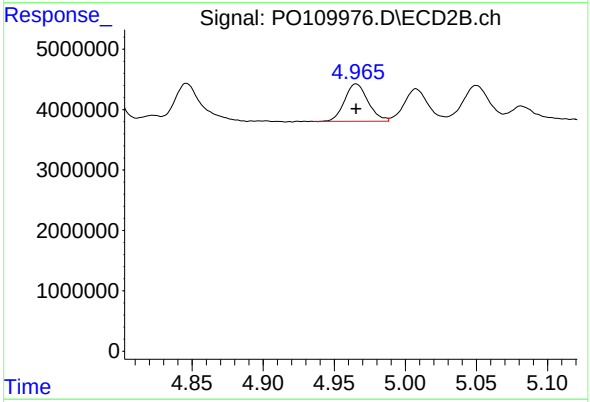

#5 AR-1016-3

R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 16411868
Conc: 51.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

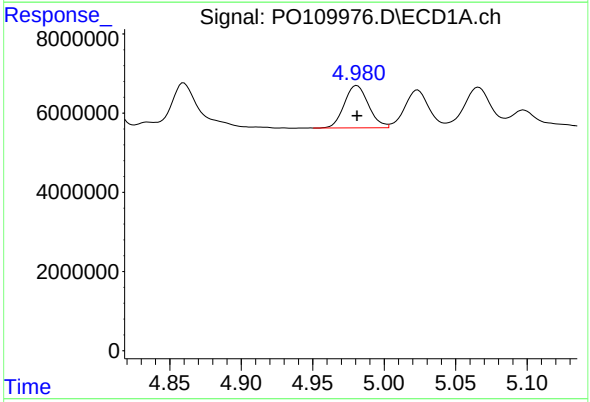
**Manual Integrations APPROVED**

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



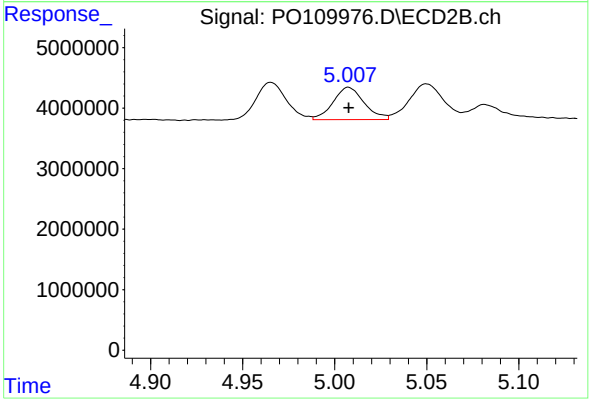

#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 7085785
Conc: 49.98 ng/ml



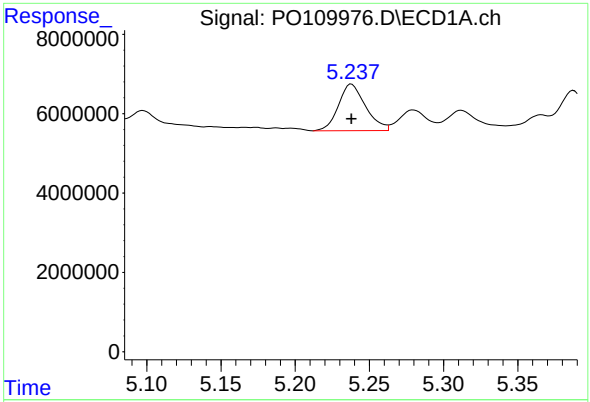

#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 12569483
Conc: 49.74 ng/ml




#6 AR-1016-4

R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 6253080
Conc: 53.02 ng/ml



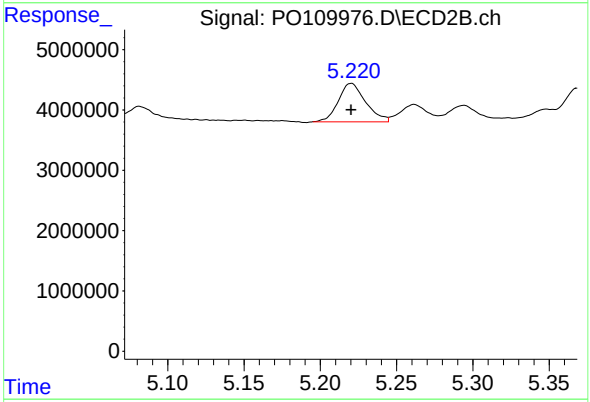

#7 AR-1016-5

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 14890720
Conc: 54.17 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

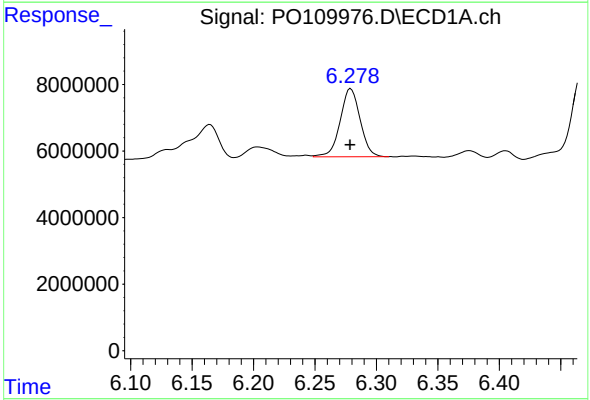
**Manual Integrations APPROVED**

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



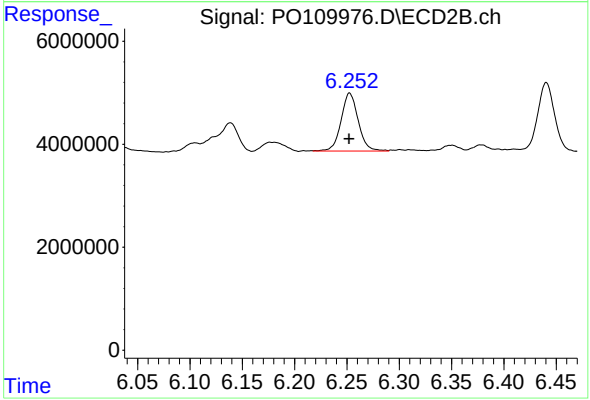

#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 7955288
Conc: 52.02 ng/ml



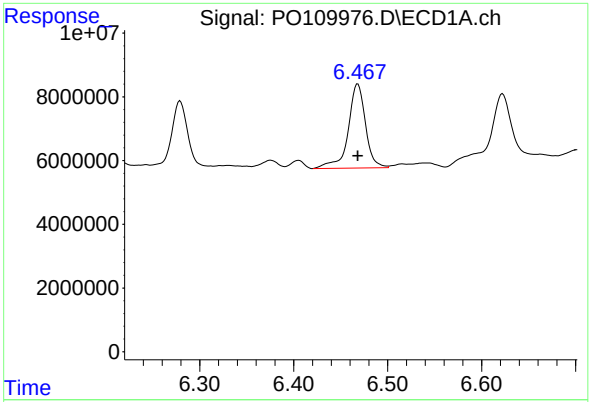

#31 AR-1260-1

R.T.: 6.278 min
Delta R.T.: 0.000 min
Response: 23192253
Conc: 48.96 ng/ml m




#31 AR-1260-1

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 12858546
Conc: 50.25 ng/ml m



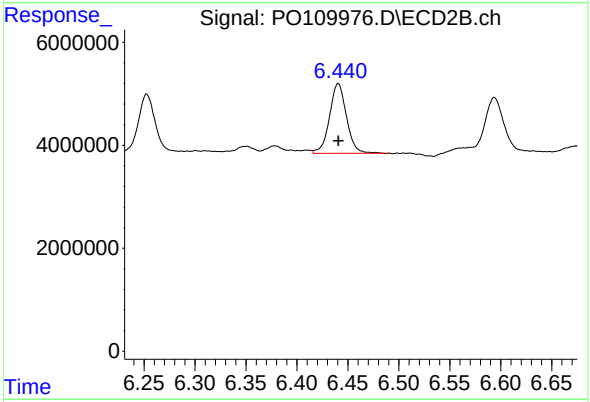

#32 AR-1260-2

R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 33768251
Conc: 56.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

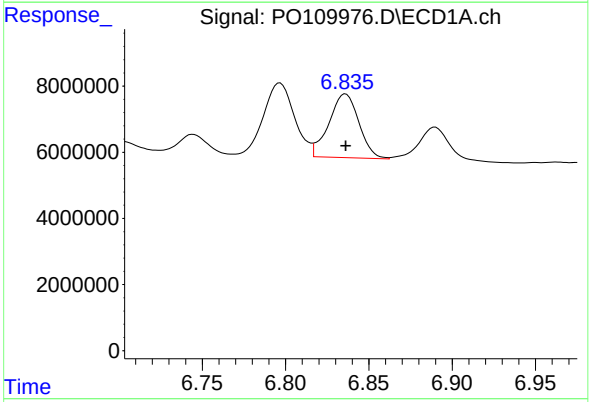
**Manual Integrations APPROVED**

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



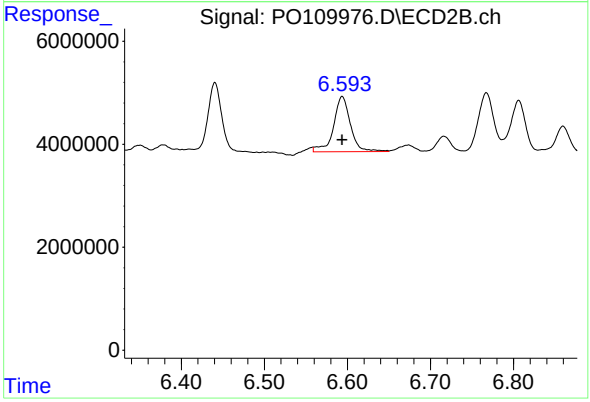

#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 15676301
Conc: 52.20 ng/ml



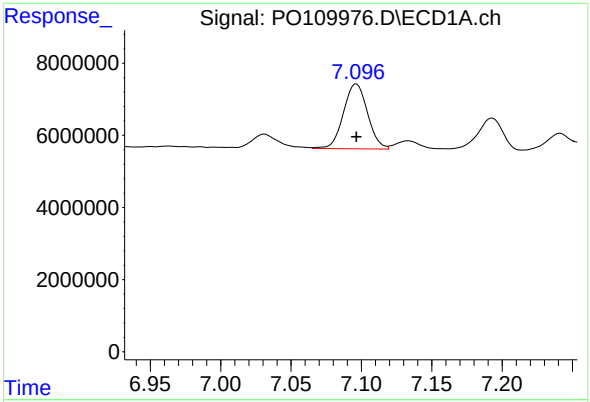

#33 AR-1260-3

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 24202394
Conc: 49.87 ng/ml




#33 AR-1260-3

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 15198300
Conc: 53.07 ng/ml m



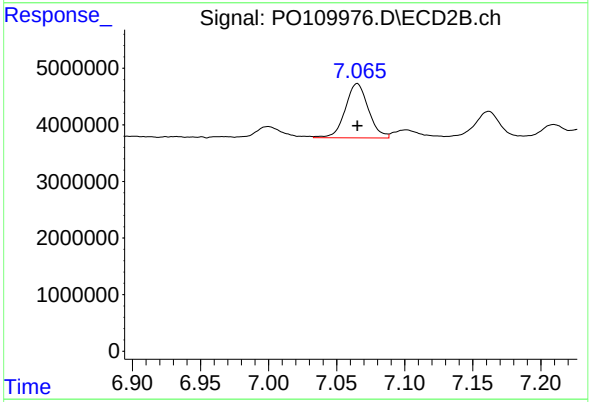

#34 AR-1260-4

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 21433117
Conc: 50.53 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

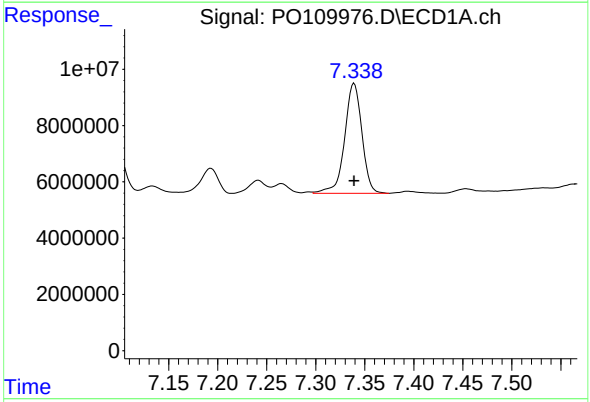
**Manual Integrations APPROVED**

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



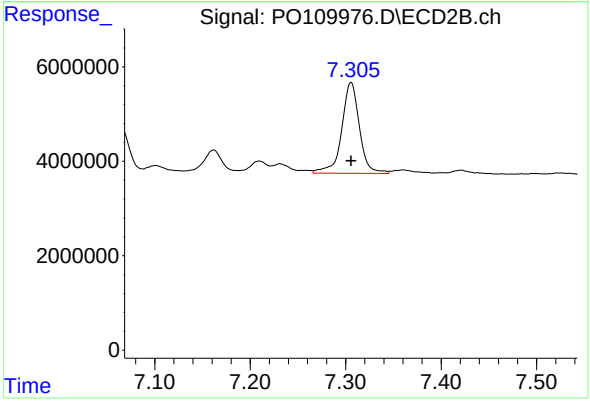

#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 11320638
Conc: 52.63 ng/ml




#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 47957612
Conc: 45.86 ng/ml




#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 24758089
Conc: 49.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:34
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:27:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.690 | 428.4E6 | 261.3E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.743 | 8.696 | 367.0E6 | 116.0E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 3.906 | 3.901 | 57914123 | 33441082 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 3.992 | 3.986 | 43249856 | 24690825 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.069 | 4.062 | 130.8E6 | 75841971 | 500.000 | 500.000 |

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

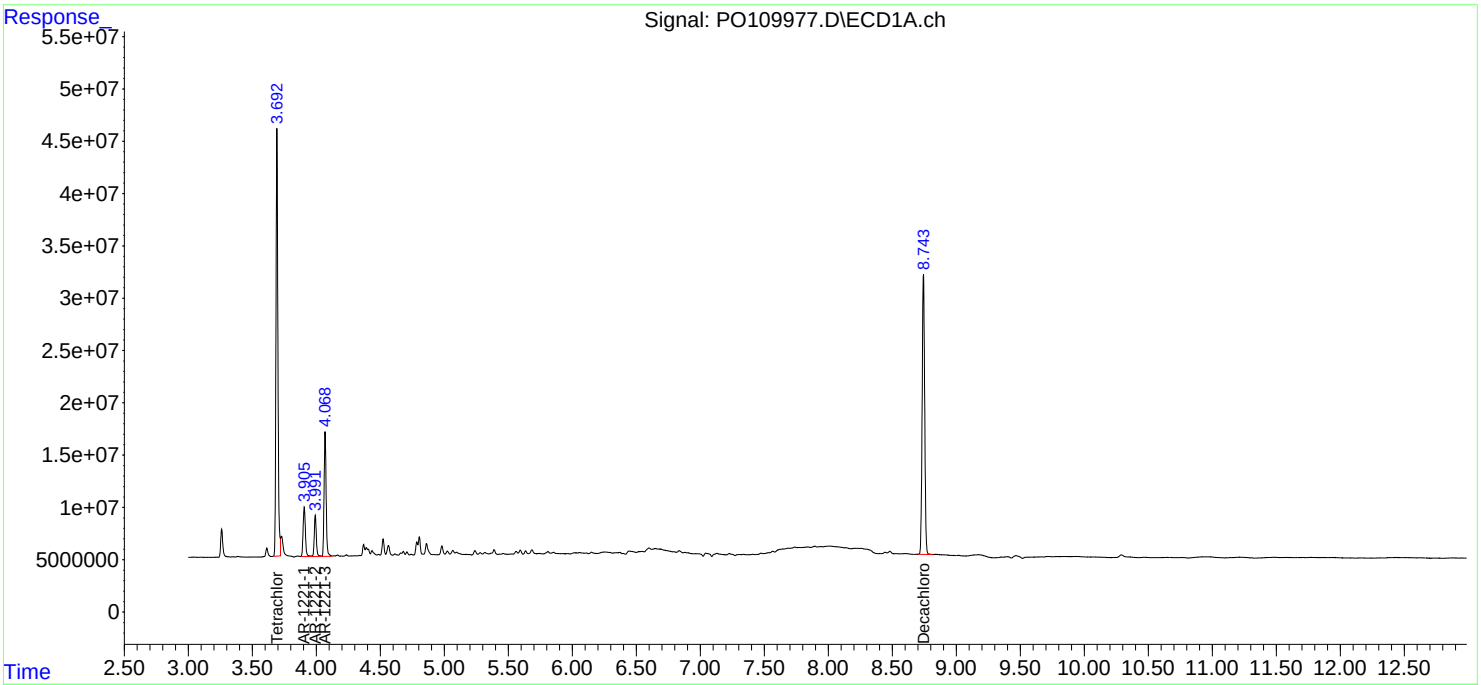
ICAL Form

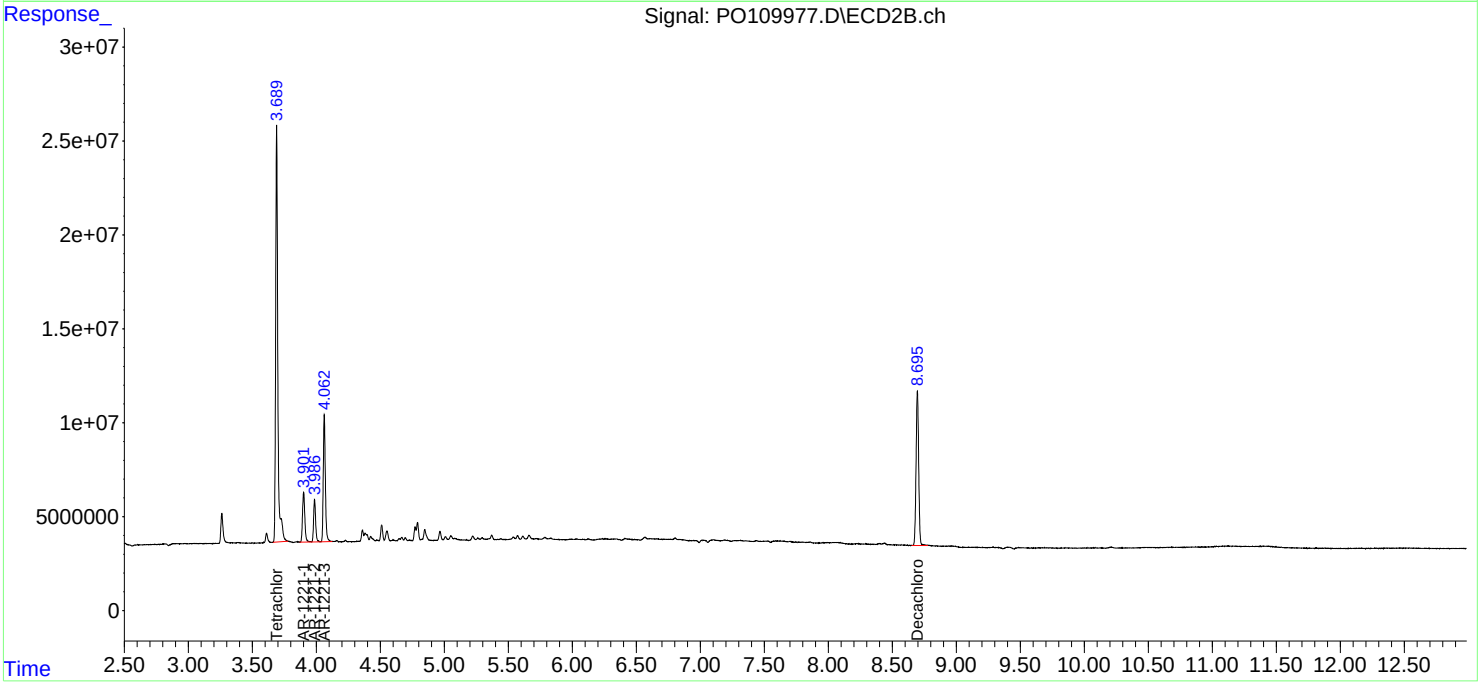
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109977.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:34
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

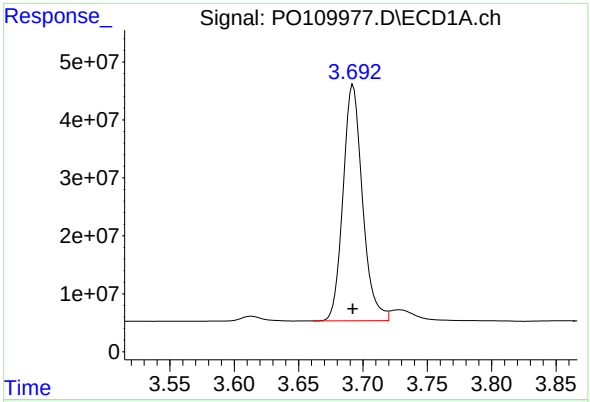
**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:27:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:27:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



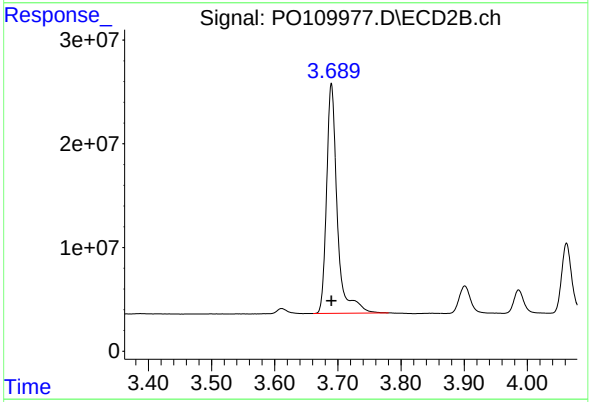






#1 Tetrachloro-m-xylene

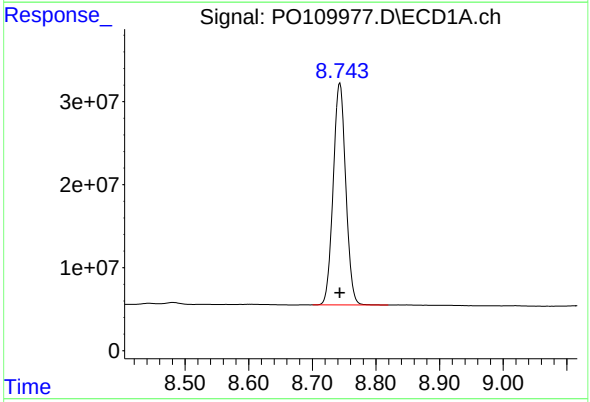
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 428446750
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500



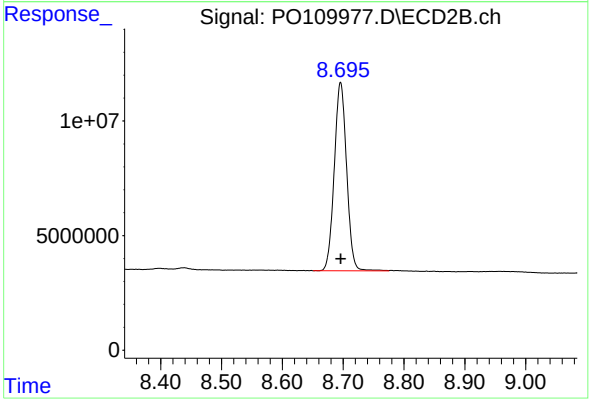

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 261250272
Conc: 50.00 ng/ml



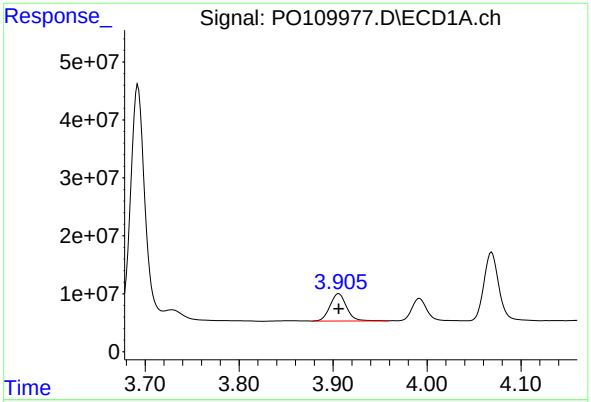

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 367001269
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

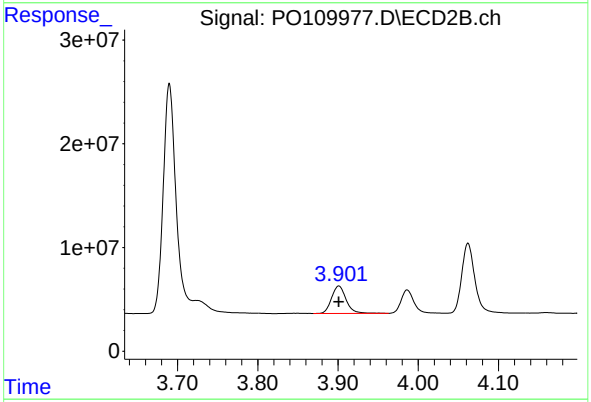
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 115987092
Conc: 50.00 ng/ml




#8 AR-1221-1

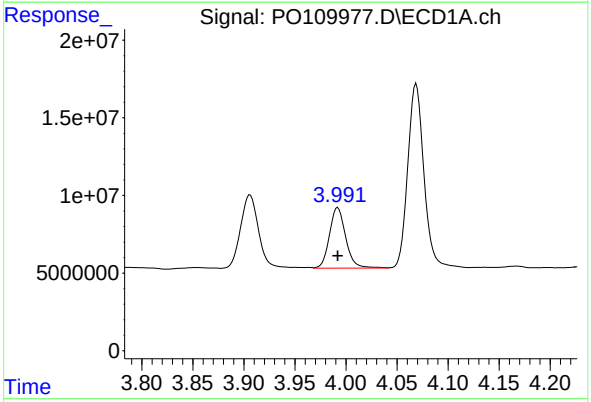
R.T.: 3.906 min
Delta R.T.: 0.000 min
Response: 57914123
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500



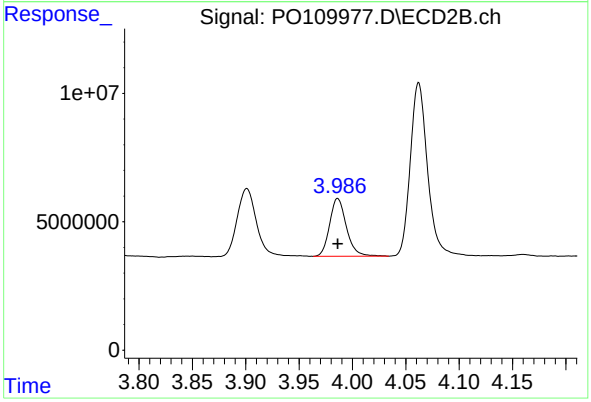

#8 AR-1221-1

R.T.: 3.901 min
Delta R.T.: 0.000 min
Response: 33441082
Conc: 500.00 ng/ml



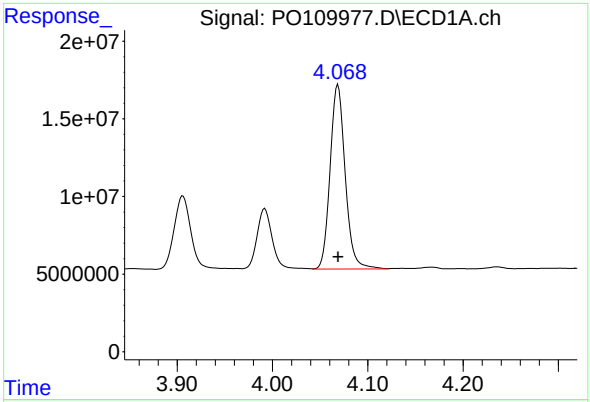

#9 AR-1221-2

R.T.: 3.992 min
Delta R.T.: 0.000 min
Response: 43249856
Conc: 500.00 ng/ml




#9 AR-1221-2

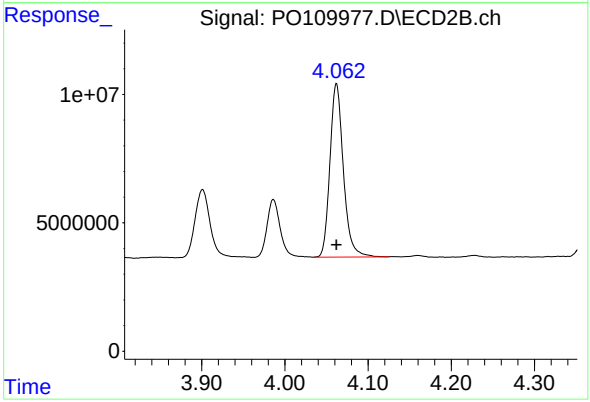
R.T.: 3.986 min
Delta R.T.: 0.000 min
Response: 24690825
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.069 min
Delta R.T.: 0.000 min
Response: 130847955
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500




#10 AR-1221-3

R.T.: 4.062 min
Delta R.T.: 0.000 min
Response: 75841971
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:53
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:24:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | | |
| 1) | SA | Tetrachlo... | 3.692 | 3.689 | 438.9E6 | 262.6E6 | 50.000 | 50.000 |
| 2) | SA | Decachlor... | 8.744 | 8.696 | 372.1E6 | 116.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | | |
| 11) | L3 | AR-1232-1 | 4.068 | 4.062 | 107.9E6 | 62046675 | 500.000 | 500.000 |
| 12) | L3 | AR-1232-2 | 4.563 | 4.791 | 57393041 | 60174277 | 500.000 | 500.000 |
| 13) | L3 | AR-1232-3 | 4.805 | 4.966 | 105.9E6 | 31828000 | 500.000 | 500.000 |
| 14) | L3 | AR-1232-4 | 4.981 | 5.051 | 56780516 | 29670451 | 500.000 | 500.000 |
| 15) | L3 | AR-1232-5 | 5.024 | 5.221 | 40226994 | 31608944 | 500.000 | 500.000 |

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

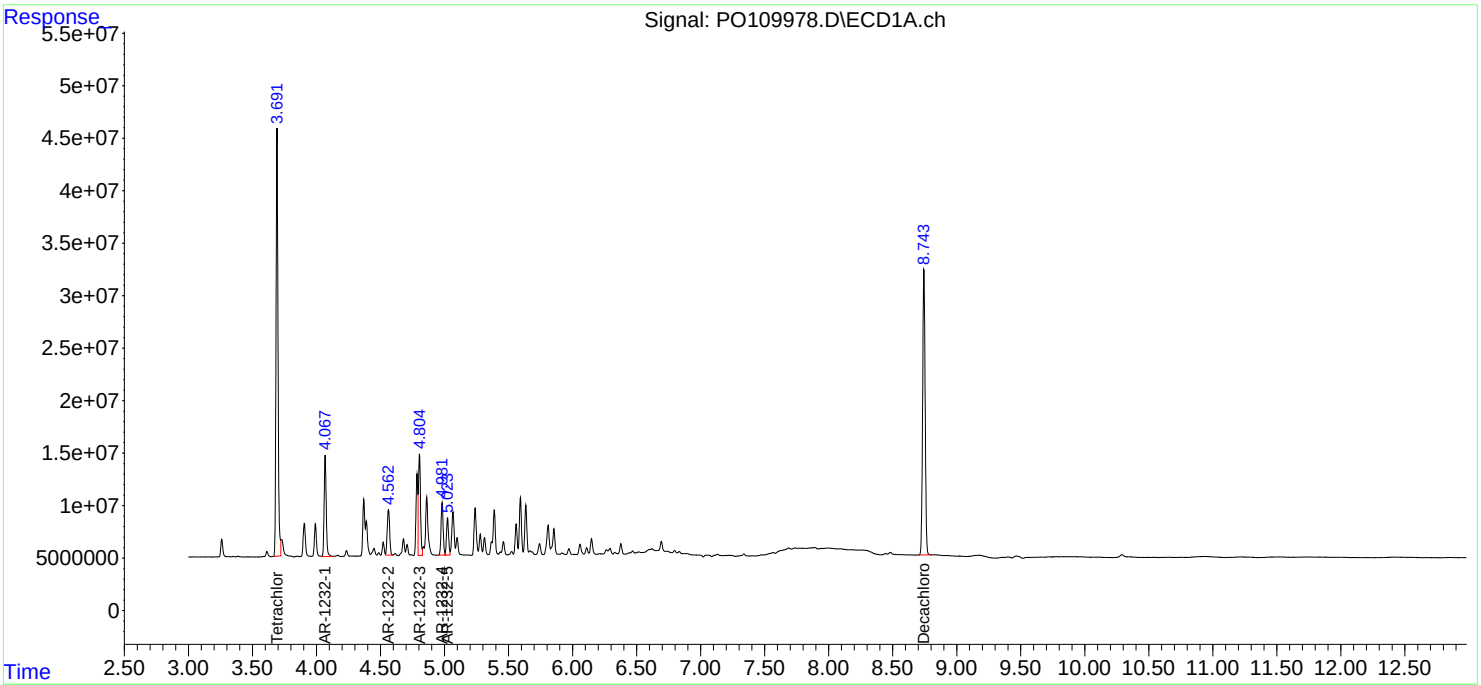
ICAL Form

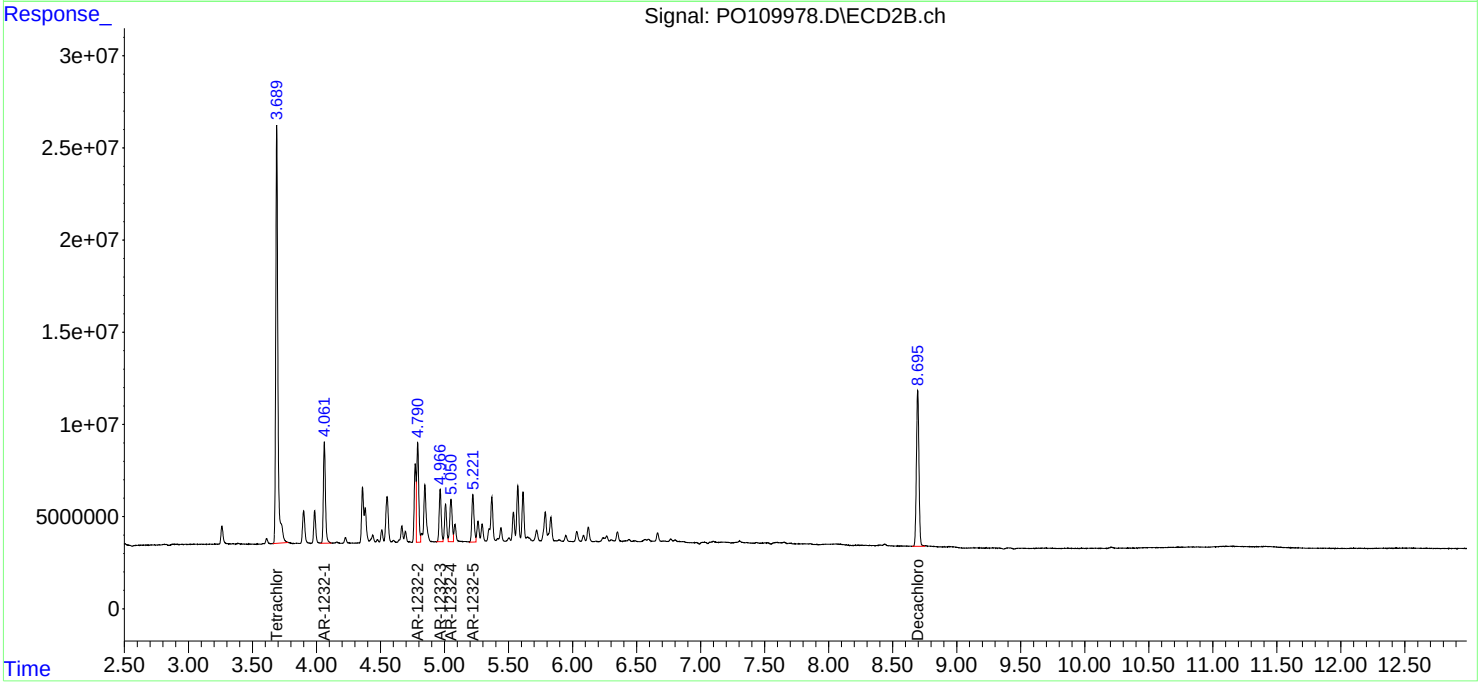
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109978.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:53
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

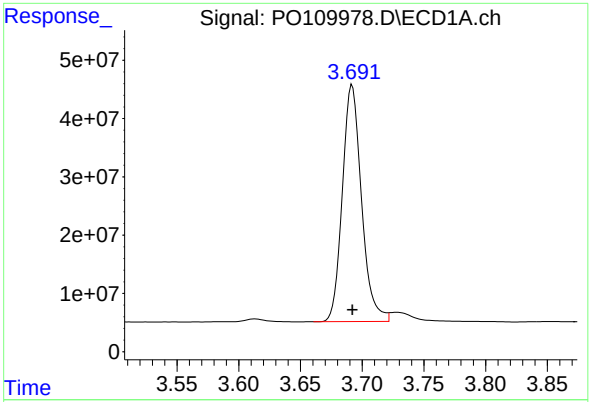
**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:24:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



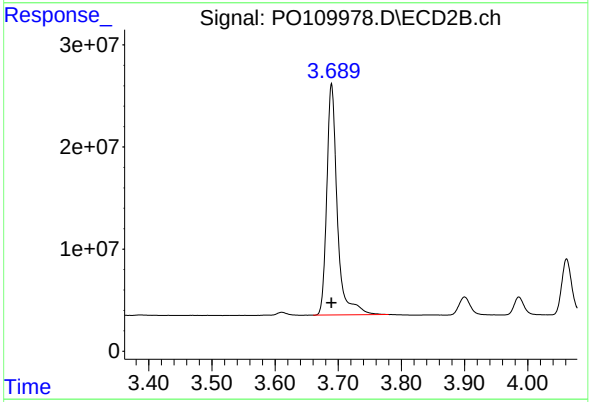






#1 Tetrachloro-m-xylene

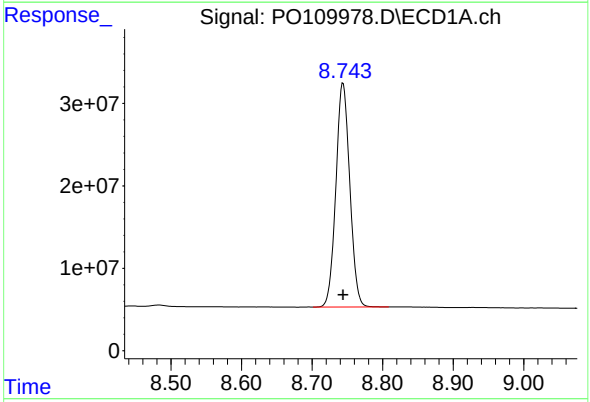
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 438922587
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500



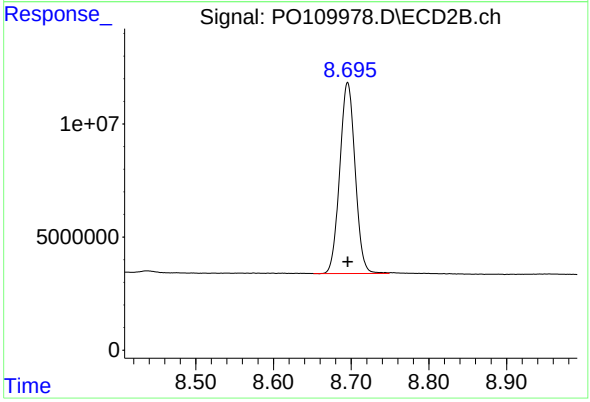

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 262556927
Conc: 50.00 ng/ml



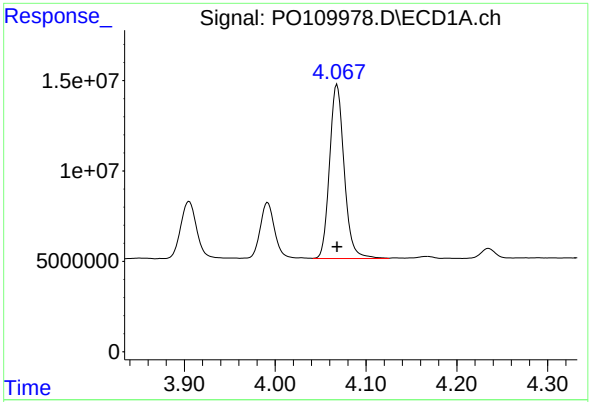

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 372070287
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

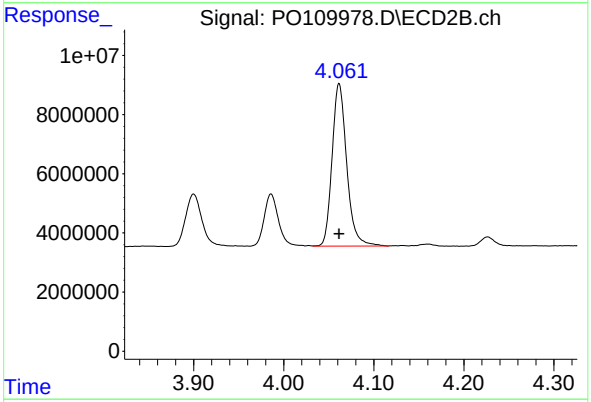
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 116151811
Conc: 50.00 ng/ml




#11 AR-1232-1

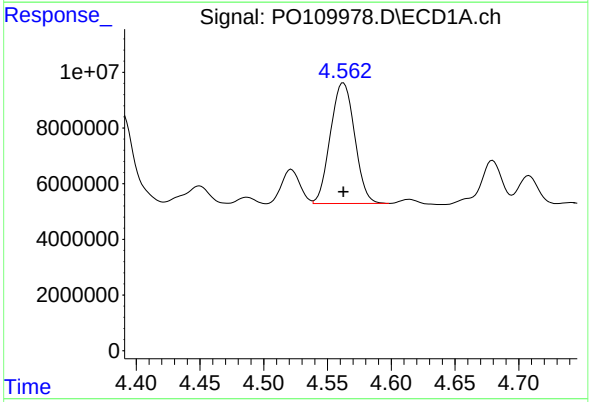
R.T.: 4.068 min
Delta R.T.: 0.000 min
Response: 107872261
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500



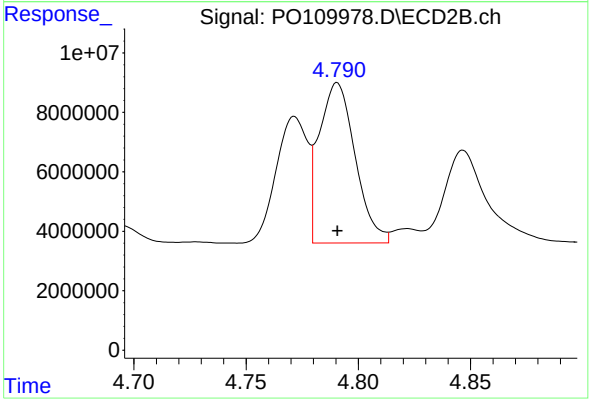

#11 AR-1232-1

R.T.: 4.062 min
Delta R.T.: 0.000 min
Response: 62046675
Conc: 500.00 ng/ml



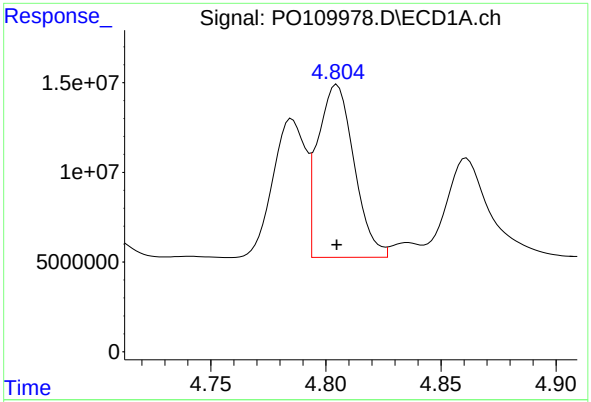

#12 AR-1232-2

R.T.: 4.563 min
Delta R.T.: 0.000 min
Response: 57393041
Conc: 500.00 ng/ml




#12 AR-1232-2

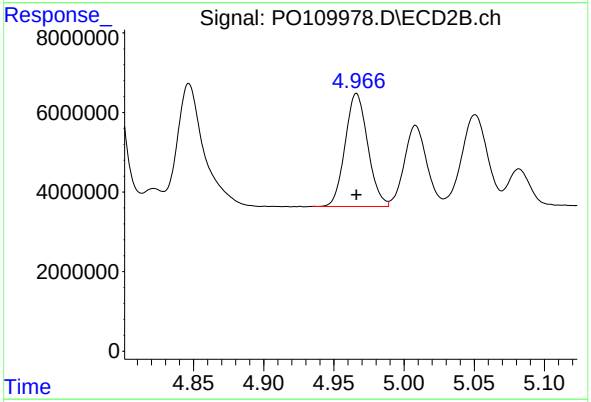
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 60174277
Conc: 500.00 ng/ml




#13 AR-1232-3

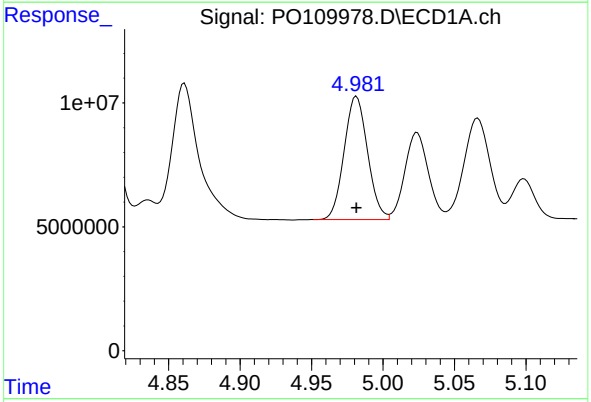
R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 105889863
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500



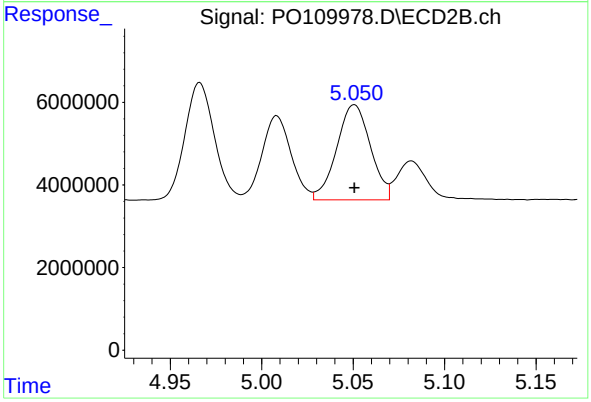

#13 AR-1232-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 31828000
Conc: 500.00 ng/ml



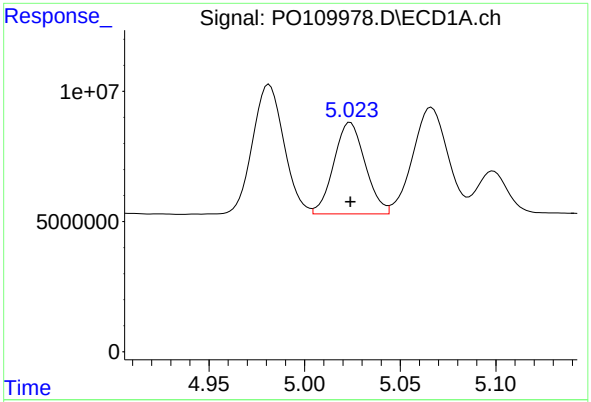

#14 AR-1232-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 56780516
Conc: 500.00 ng/ml




#14 AR-1232-4

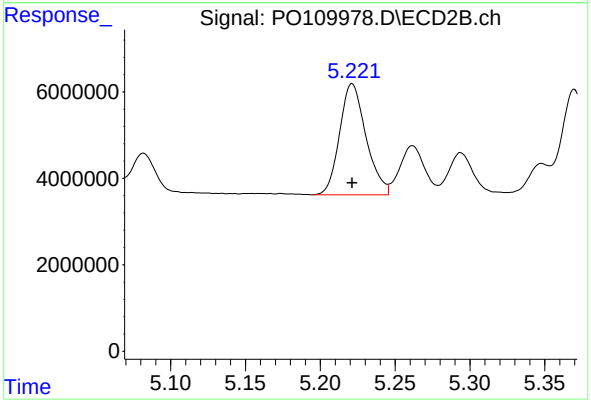
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 29670451
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 5.024 min
Delta R.T.: 0.000 min
Response: 40226994
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500




#15 AR-1232-5

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 31608944
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:11
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:01:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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... | 3.692 | 3.689 | 870.3E6 | 504.9E6 | 98.572 | 98.878 |
| 2) | SA Decachlor... | 8.744 | 8.697 | 707.3E6 | 217.8E6 | 97.860 | 97.910 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.785 | 4.772 | 257.0E6 | 141.3E6 | 967.387 | 967.723 |
| 17) | L4 AR-1242-2 | 4.804 | 4.791 | 361.7E6 | 206.0E6 | 974.253 | 976.732 |
| 18) | L4 AR-1242-3 | 4.861 | 4.966 | 239.3E6 | 108.8E6 | 957.525 | 967.388 |
| 19) | L4 AR-1242-4 | 4.981 | 5.051 | 191.3E6 | 107.6E6 | 962.368 | 956.424 |
| 20) | L4 AR-1242-5 | 5.635 | 5.572 | 200.3E6 | 132.5E6 | 953.851 | 956.059 |

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

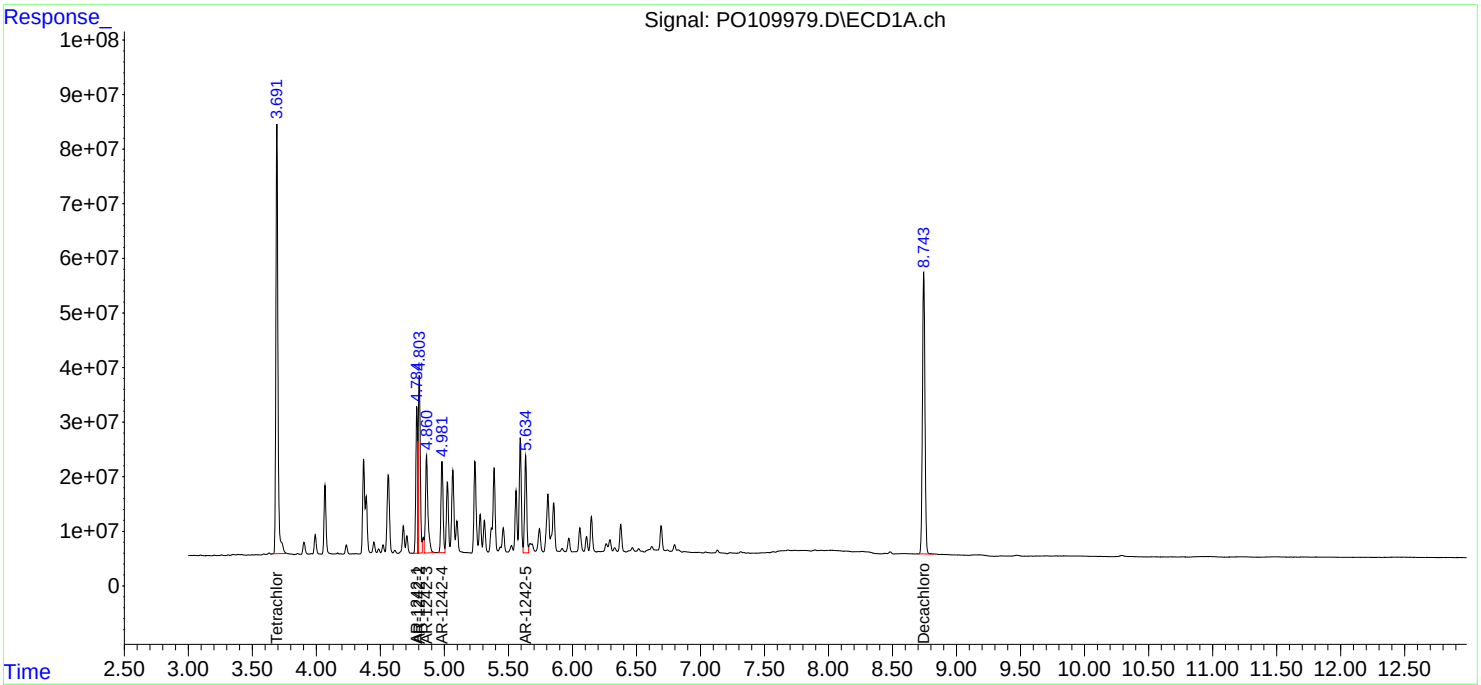
ICAL Form

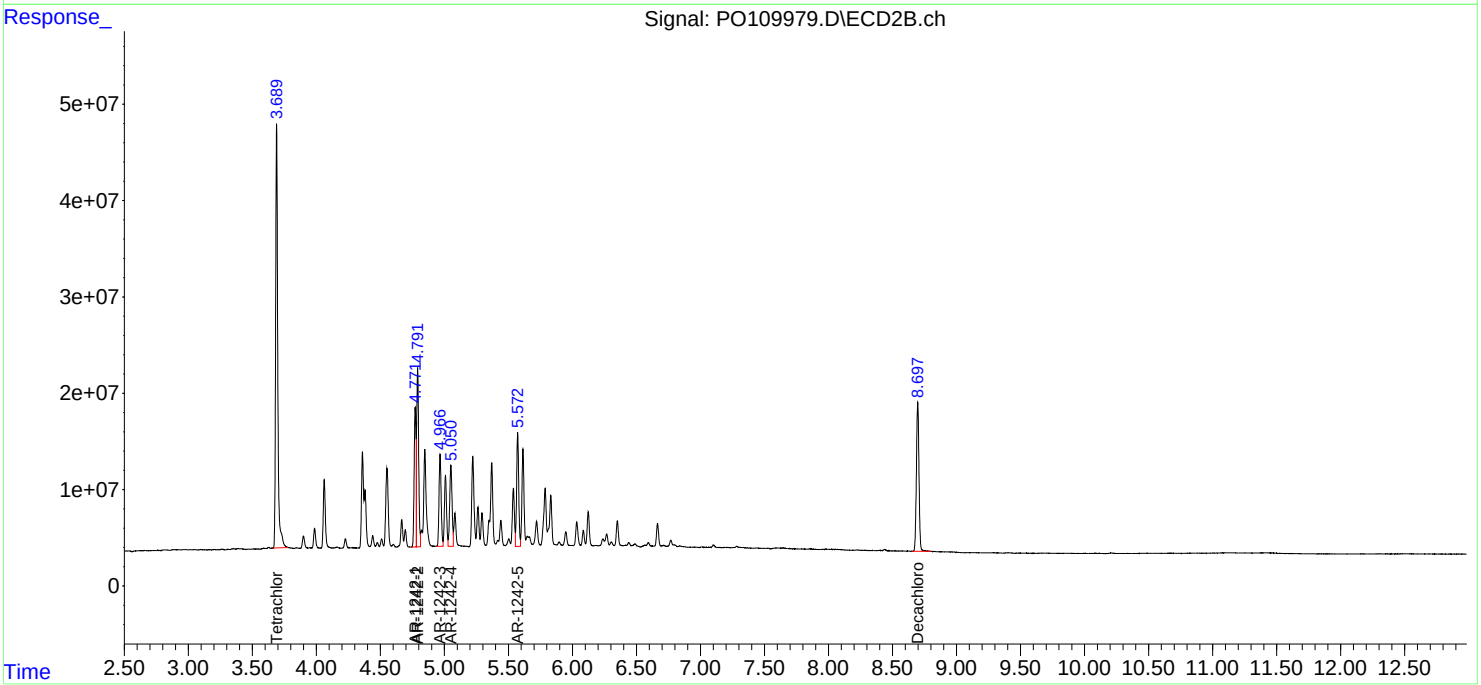
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109979.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:11
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

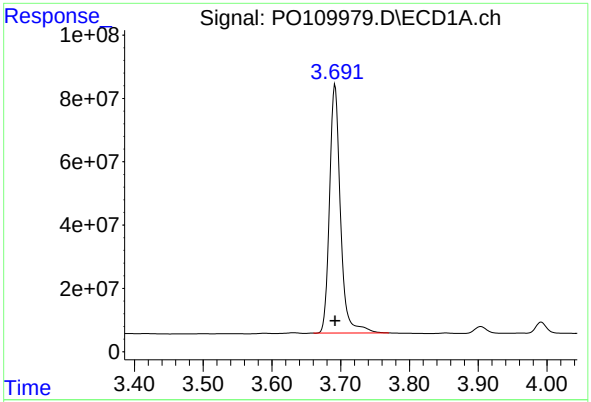
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:01:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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



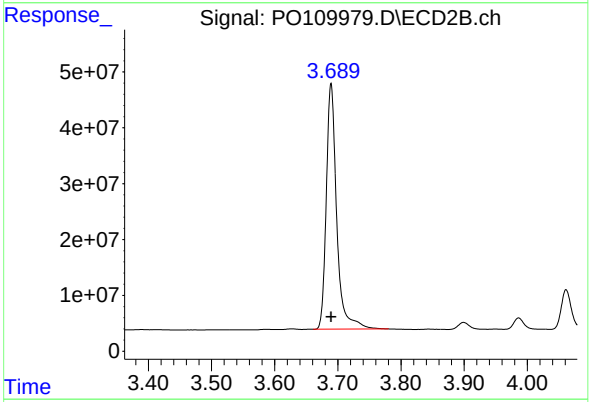






#1 Tetrachloro-m-xylene

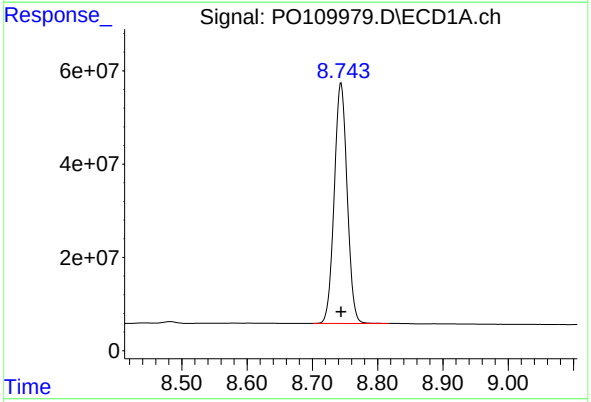
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 870277303
Conc: 98.57 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000



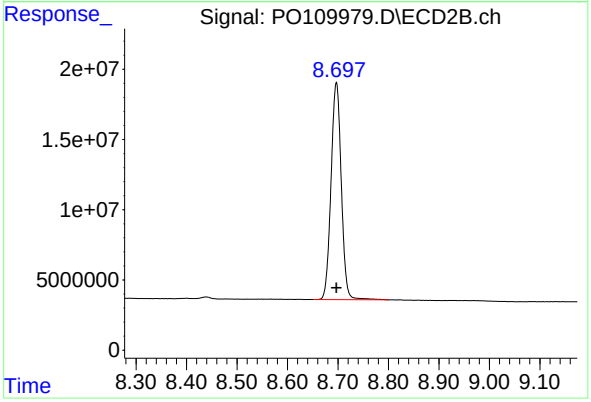

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 504930415
Conc: 98.88 ng/ml



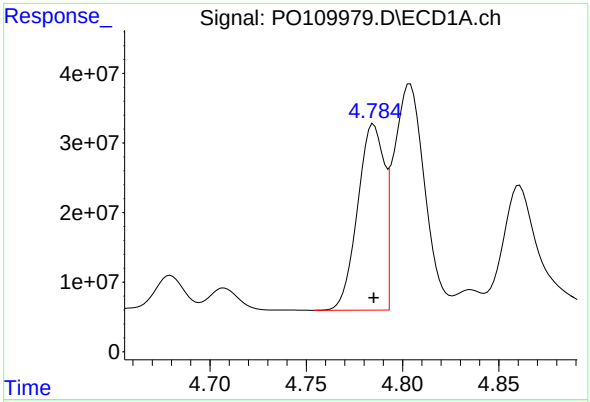

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 707302147
Conc: 97.86 ng/ml




#2 Decachlorobiphenyl

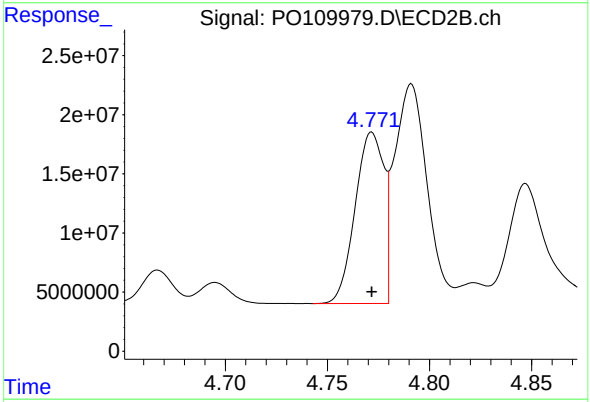
R.T.: 8.697 min
Delta R.T.: 0.000 min
Response: 217777313
Conc: 97.91 ng/ml




#16 AR-1242-1

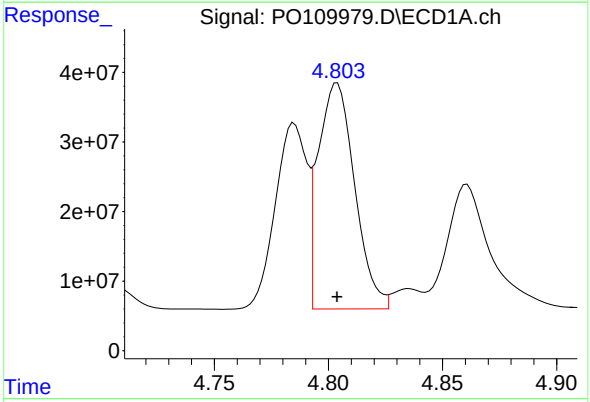
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 257021206
Conc: 967.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000



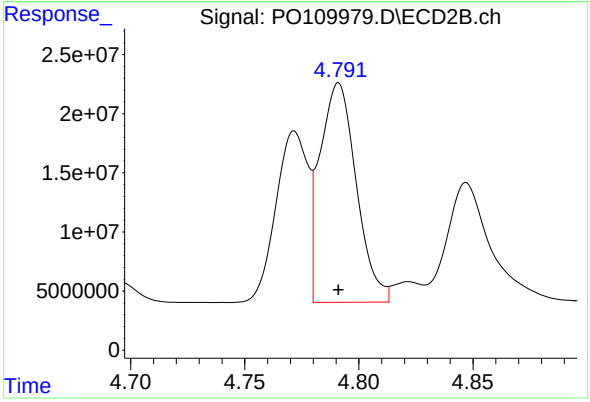

#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 141331278
Conc: 967.72 ng/ml



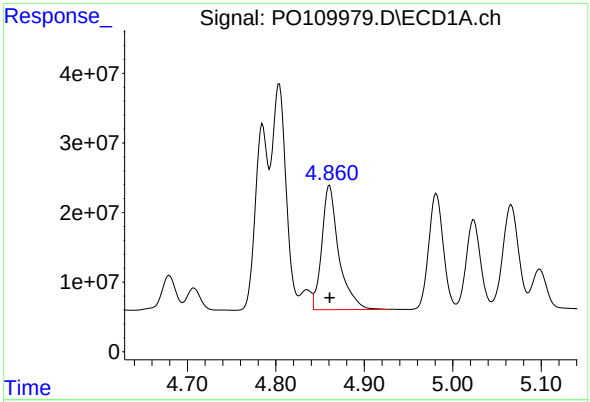

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 361656206
Conc: 974.25 ng/ml




#17 AR-1242-2

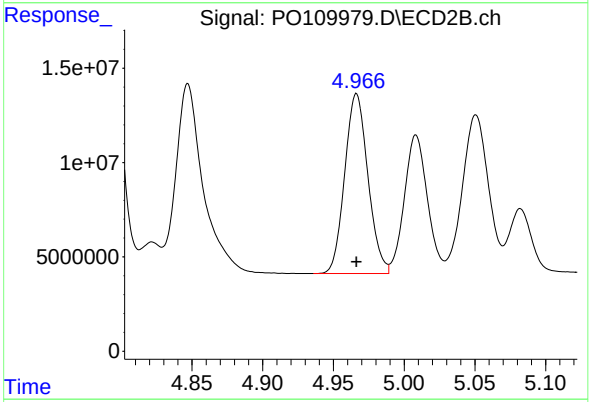
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 205951481
Conc: 976.73 ng/ml




#18 AR-1242-3

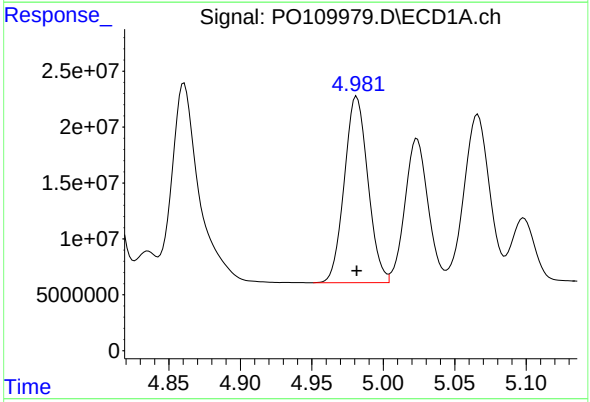
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 239272274
Conc: 957.52 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000



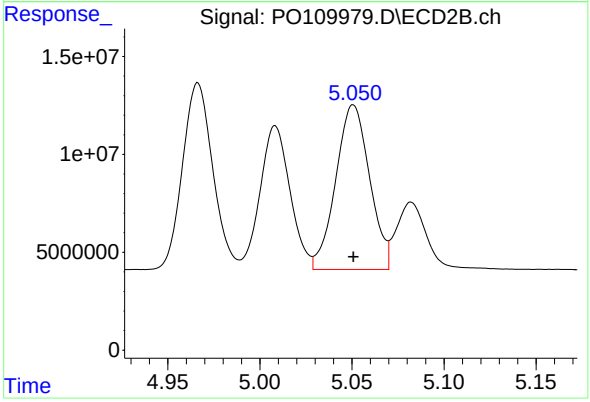

#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 108828803
Conc: 967.39 ng/ml



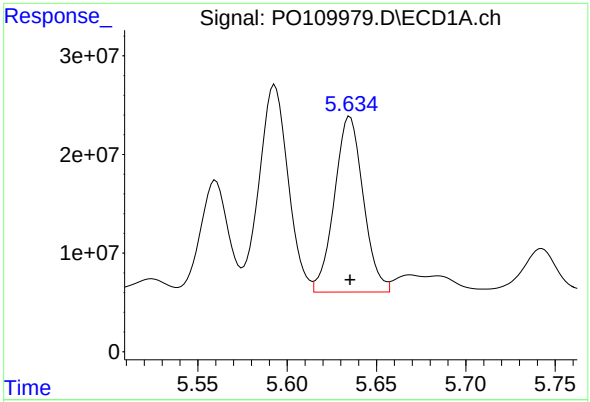

#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 191269111
Conc: 962.37 ng/ml




#19 AR-1242-4

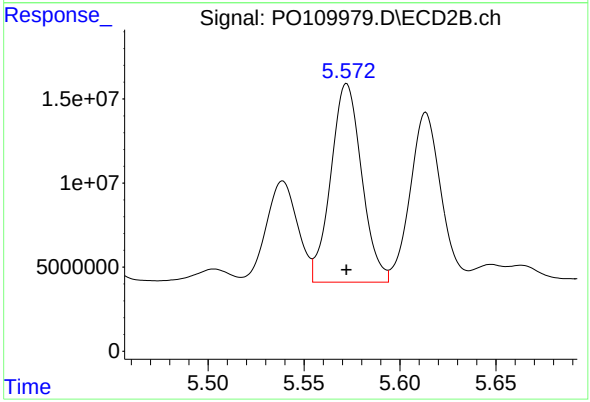
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 107629937
Conc: 956.42 ng/ml




#20 AR-1242-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 200342595
Conc: 953.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 132486572
Conc: 956.06 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:30
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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... | 3.691 | 3.689 | 674.7E6 | 388.3E6 | 75.937 | 75.688 |
| 2) | SA Decachlor... | 8.744 | 8.696 | 546.6E6 | 166.9E6 | 75.416 | 75.037 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.785 | 4.771 | 203.4E6 | 110.1E6 | 760.384 | 752.515 |
| 17) | L4 AR-1242-2 | 4.804 | 4.790 | 282.0E6 | 160.8E6 | 756.501 | 758.433 |
| 18) | L4 AR-1242-3 | 4.860 | 4.966 | 192.4E6 | 85755968 | 763.306 | 758.150 |
| 19) | L4 AR-1242-4 | 4.981 | 5.050 | 152.0E6 | 85465010 | 759.882 | 756.281 |
| 20) | L4 AR-1242-5 | 5.634 | 5.572 | 159.2E6 | 104.3E6 | 755.214 | 751.684 |

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

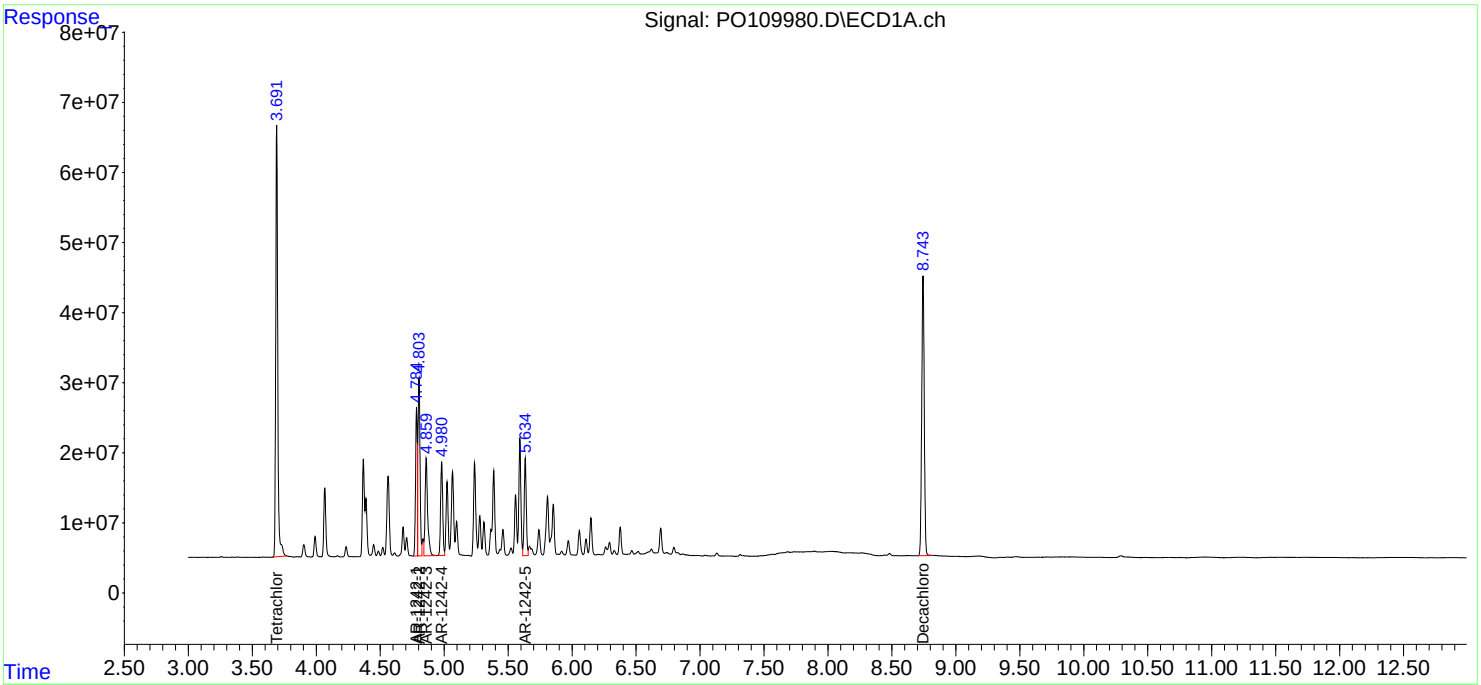
ICAL Form

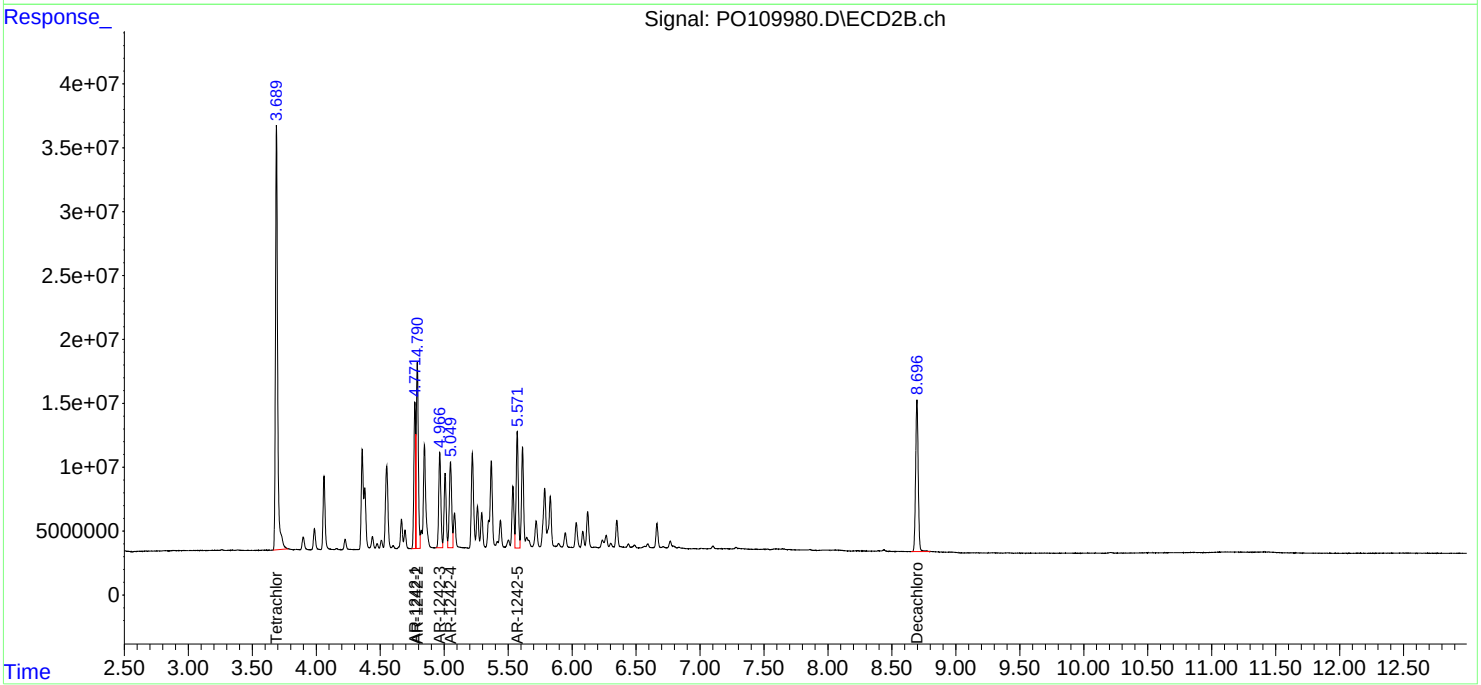
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109980.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:30
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

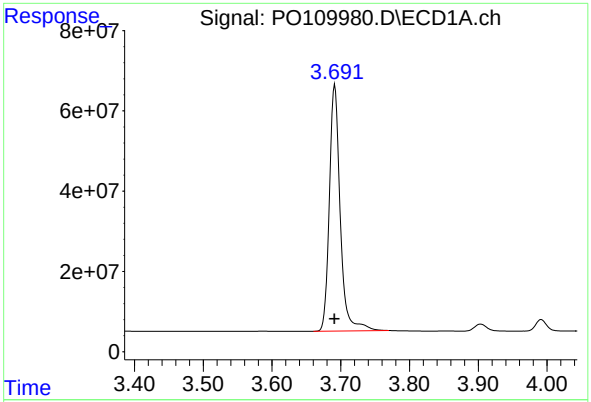
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:04:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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



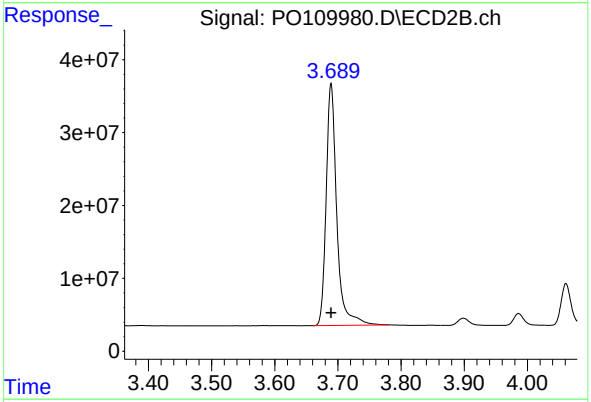






#1 Tetrachloro-m-xylene

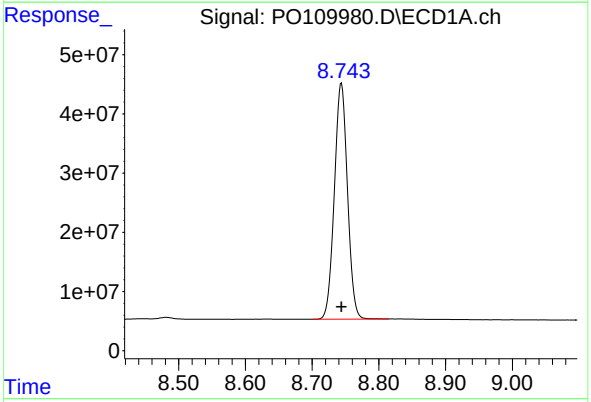
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 674653935
Conc: 75.94 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750



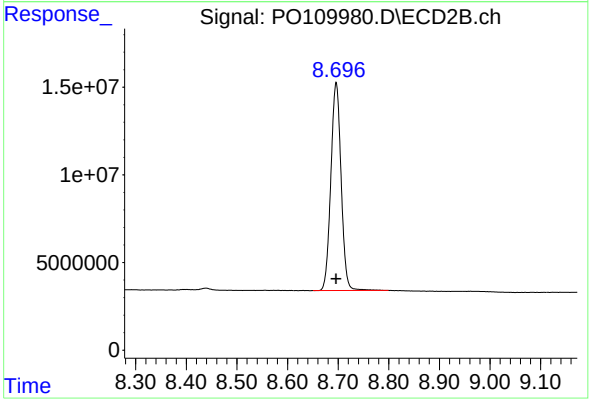

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 388290346
Conc: 75.69 ng/ml



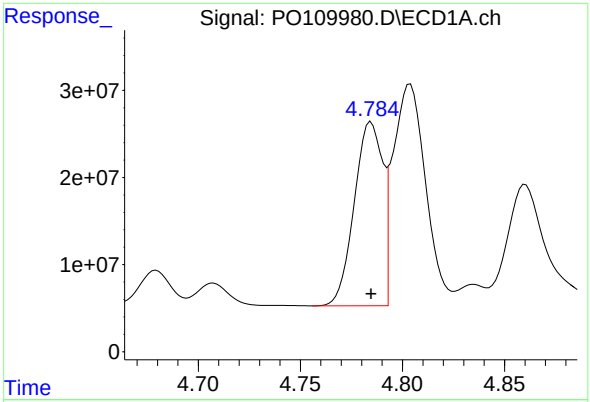

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 546604132
Conc: 75.42 ng/ml




#2 Decachlorobiphenyl

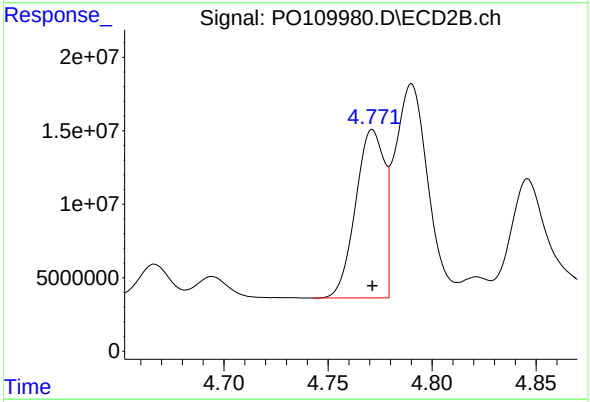
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 166944896
Conc: 75.04 ng/ml




#16 AR-1242-1

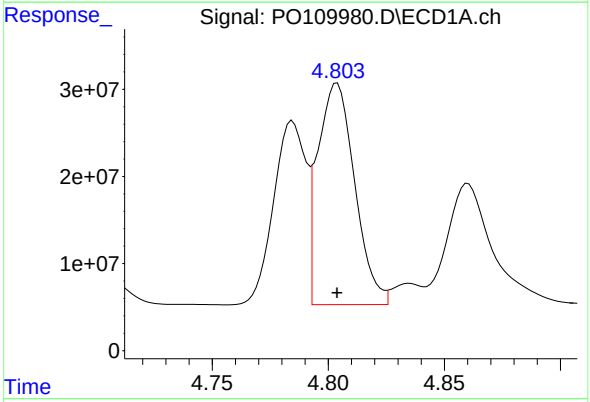
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 203431528
Conc: 760.38 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750



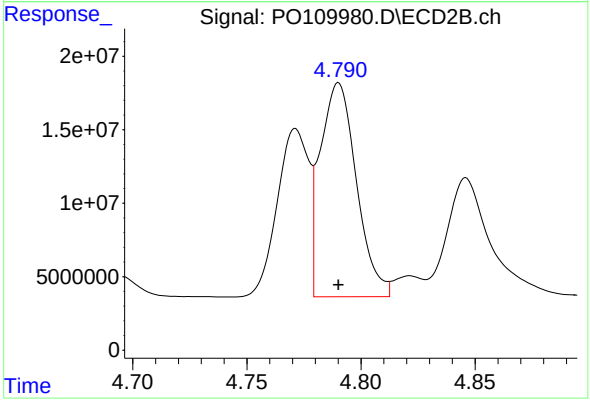

#16 AR-1242-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 110085812
Conc: 752.52 ng/ml



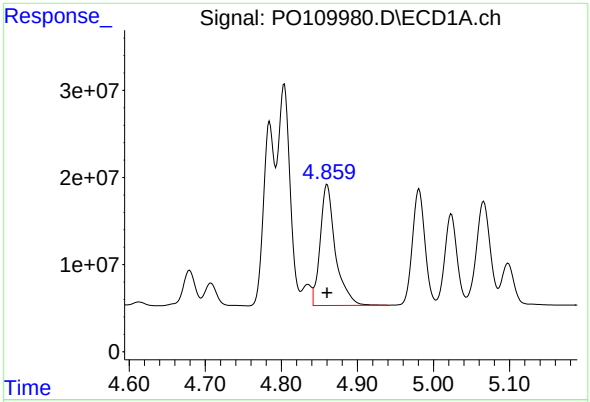

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 282046233
Conc: 756.50 ng/ml




#17 AR-1242-2

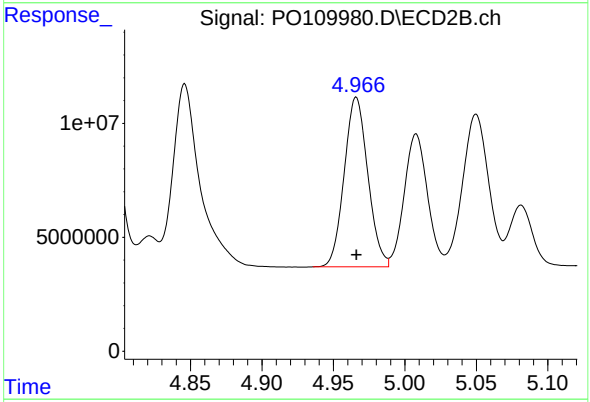
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 160825699
Conc: 758.43 ng/ml




#18 AR-1242-3

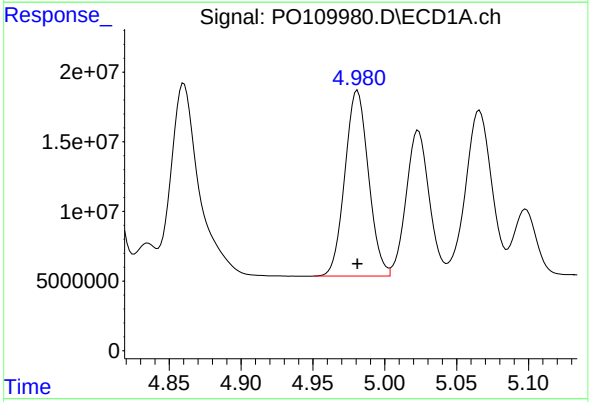
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 192446698
Conc: 763.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750



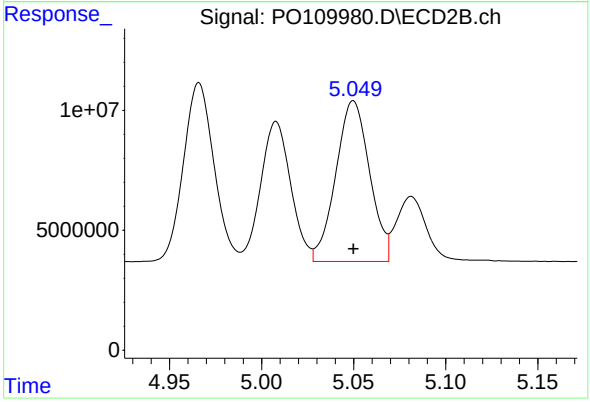

#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 85755968
Conc: 758.15 ng/ml



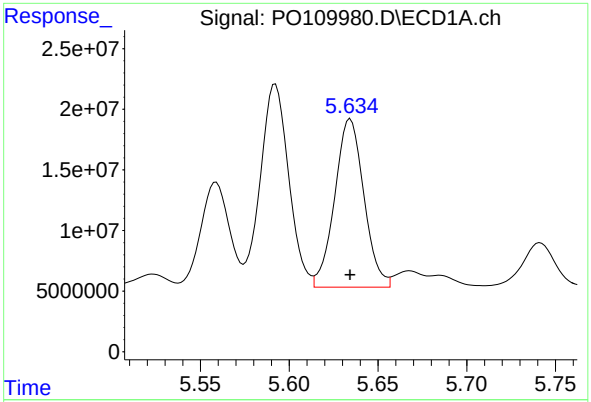

#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 152026829
Conc: 759.88 ng/ml




#19 AR-1242-4

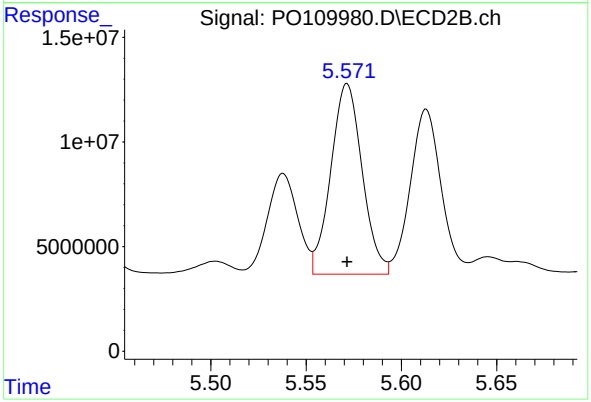
R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 85465010
Conc: 756.28 ng/ml




#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 159175050
Conc: 755.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 104282352
Conc: 751.68 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:48
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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... | 3.692 | 3.690 | 447.7E6 | 258.2E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 369.1E6 | 113.5E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.785 | 4.772 | 137.2E6 | 75379512 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 4.805 | 4.791 | 190.4E6 | 107.9E6 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 4.861 | 4.967 | 130.3E6 | 58083170 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 4.982 | 5.051 | 103.1E6 | 58718718 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 5.635 | 5.573 | 109.9E6 | 72332482 | 500.000 | 500.000 |

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

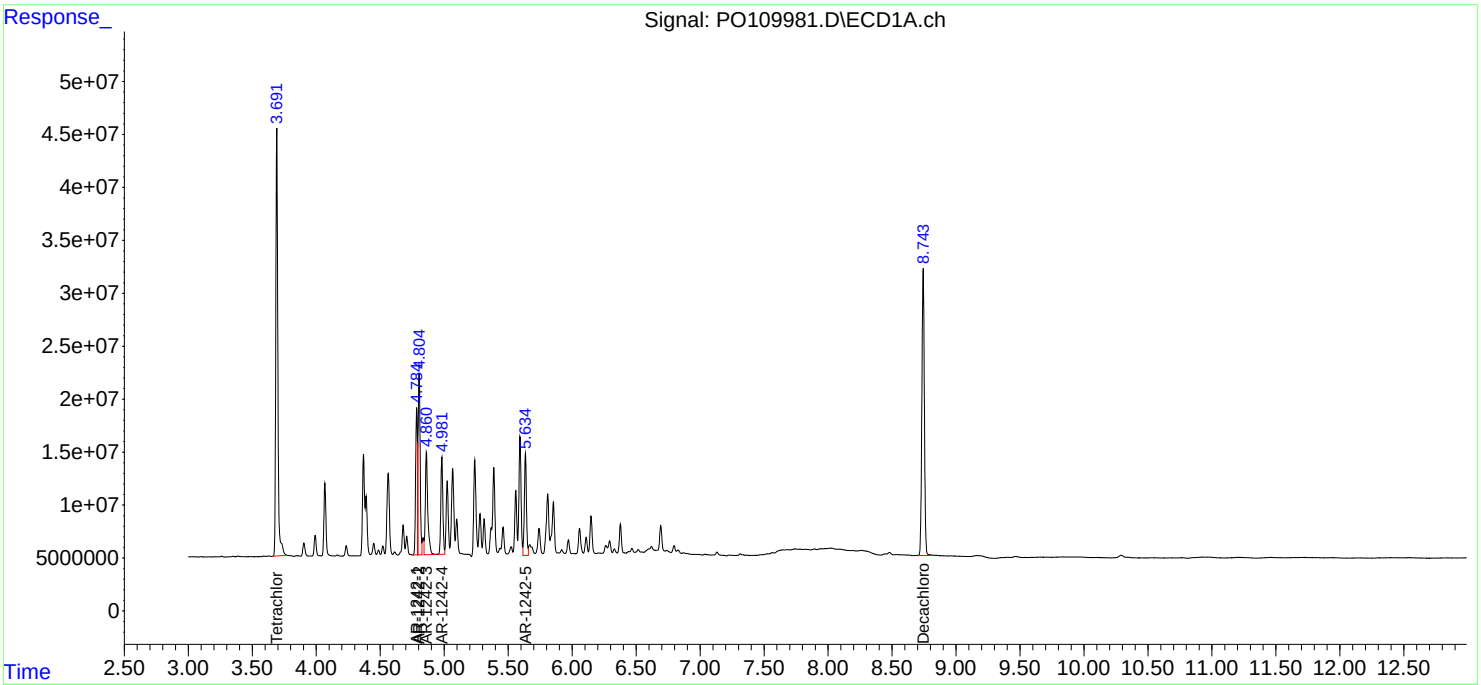
ICAL Form

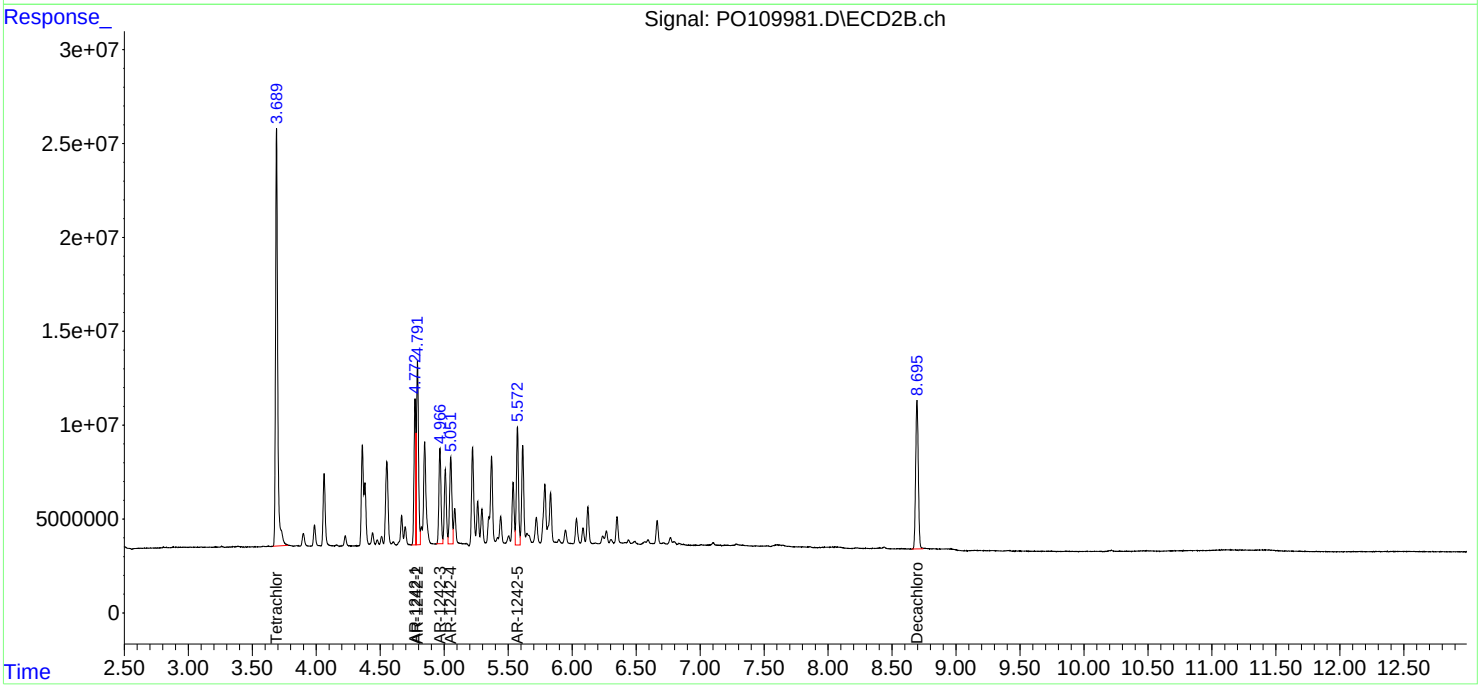
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109981.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 16:48
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

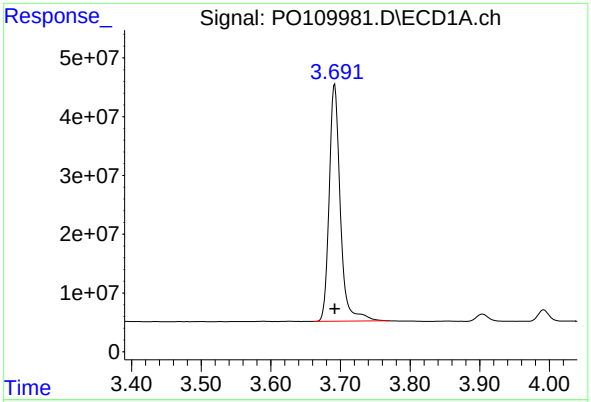
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:59:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:58:44 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



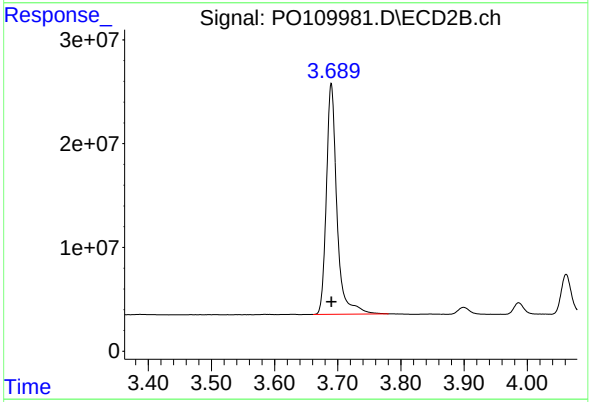






#1 Tetrachloro-m-xylene

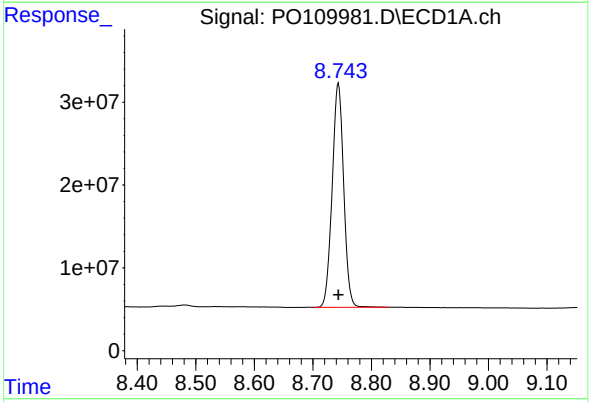
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 447743138
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500



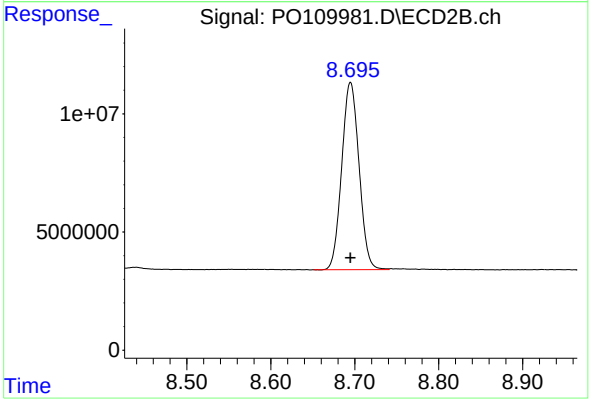

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 258194376
Conc: 50.00 ng/ml



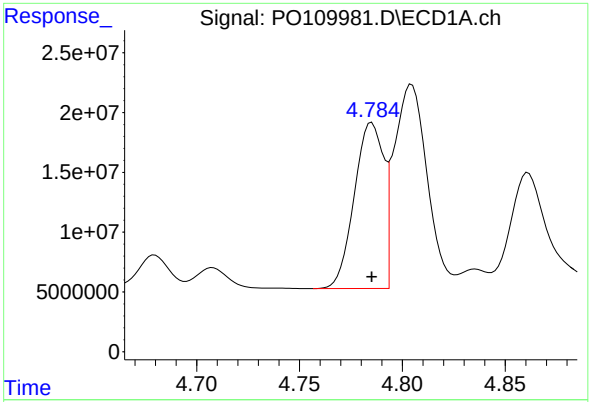

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 369119192
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

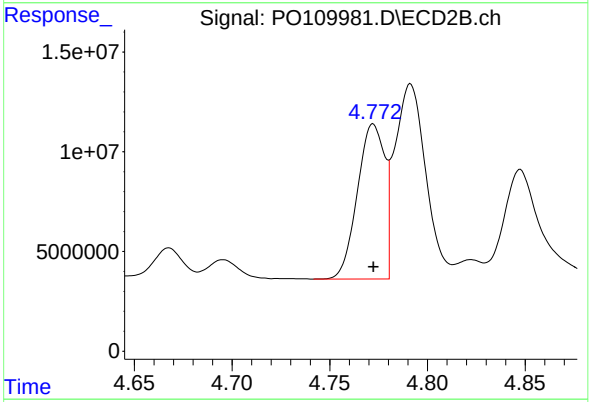
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113538071
Conc: 50.00 ng/ml




#16 AR-1242-1

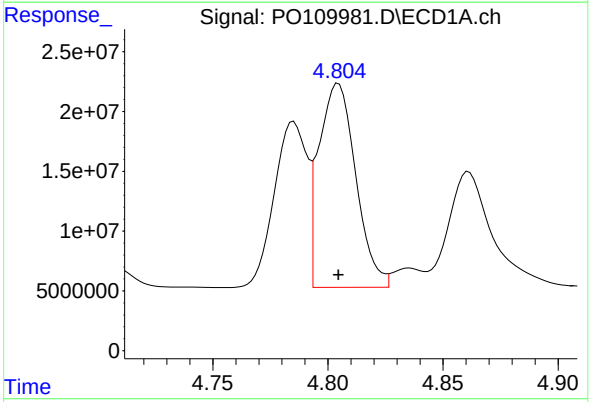
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 137175388
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500



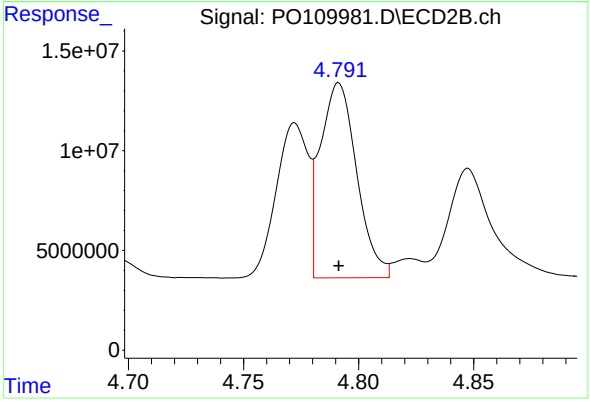

#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 75379512
Conc: 500.00 ng/ml



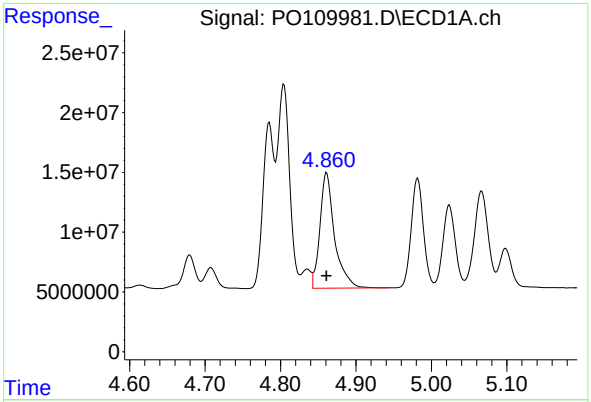

#17 AR-1242-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 190385713
Conc: 500.00 ng/ml




#17 AR-1242-2

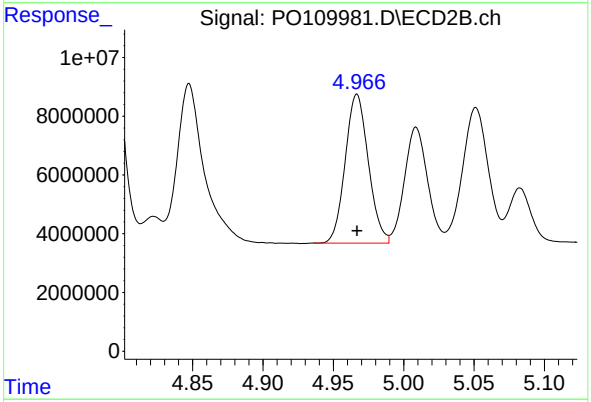
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 107881886
Conc: 500.00 ng/ml




#18 AR-1242-3

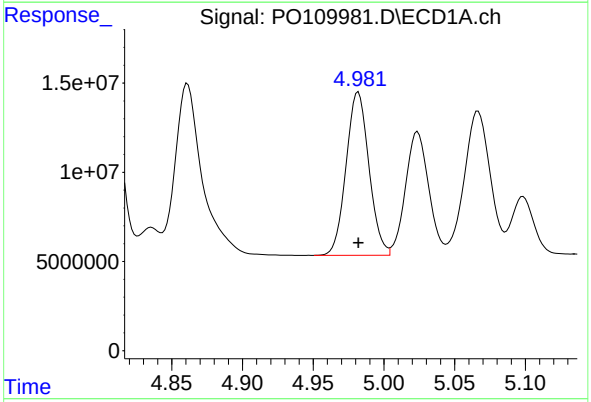
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 130250168
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500



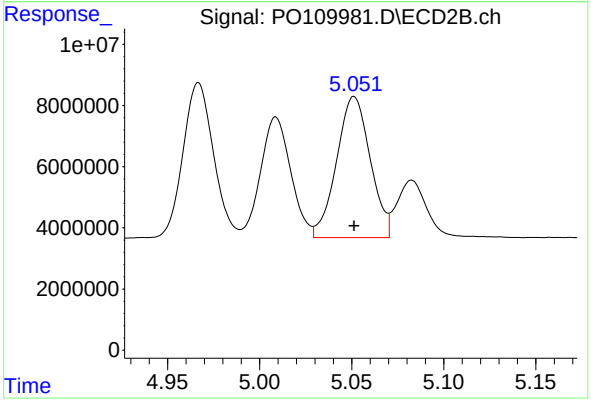

#18 AR-1242-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 58083170
Conc: 500.00 ng/ml



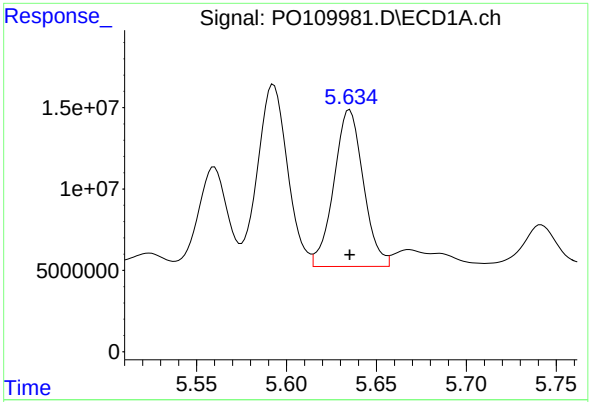

#19 AR-1242-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 103113773
Conc: 500.00 ng/ml




#19 AR-1242-4

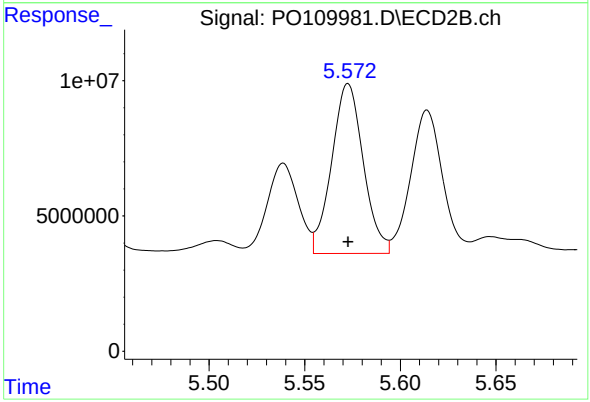
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 58718718
Conc: 500.00 ng/ml




#20 AR-1242-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 109864205
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500




#20 AR-1242-5

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 72332482
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:06
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:16:03 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 226.3E6 | 130.2E6 | 25.356 | 25.281 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 194.6E6 | 60893229 | 26.361 | 26.736 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.785 | 4.772 | 71937746 | 39990799 | 263.903 | 267.124 |
| 17) | L4 AR-1242-2 | 4.804 | 4.791 | 99324236 | 56210353 | 262.106 | 261.143 |
| 18) | L4 AR-1242-3 | 4.860 | 4.967 | 69326183 | 30721999 | 268.271 | 265.862 |
| 19) | L4 AR-1242-4 | 4.981 | 5.051 | 53927655 | 31584987 | 264.381 | 271.488 |
| 20) | L4 AR-1242-5 | 5.634 | 5.572 | 57576429 | 38102015 | 266.987 | 268.040 |

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

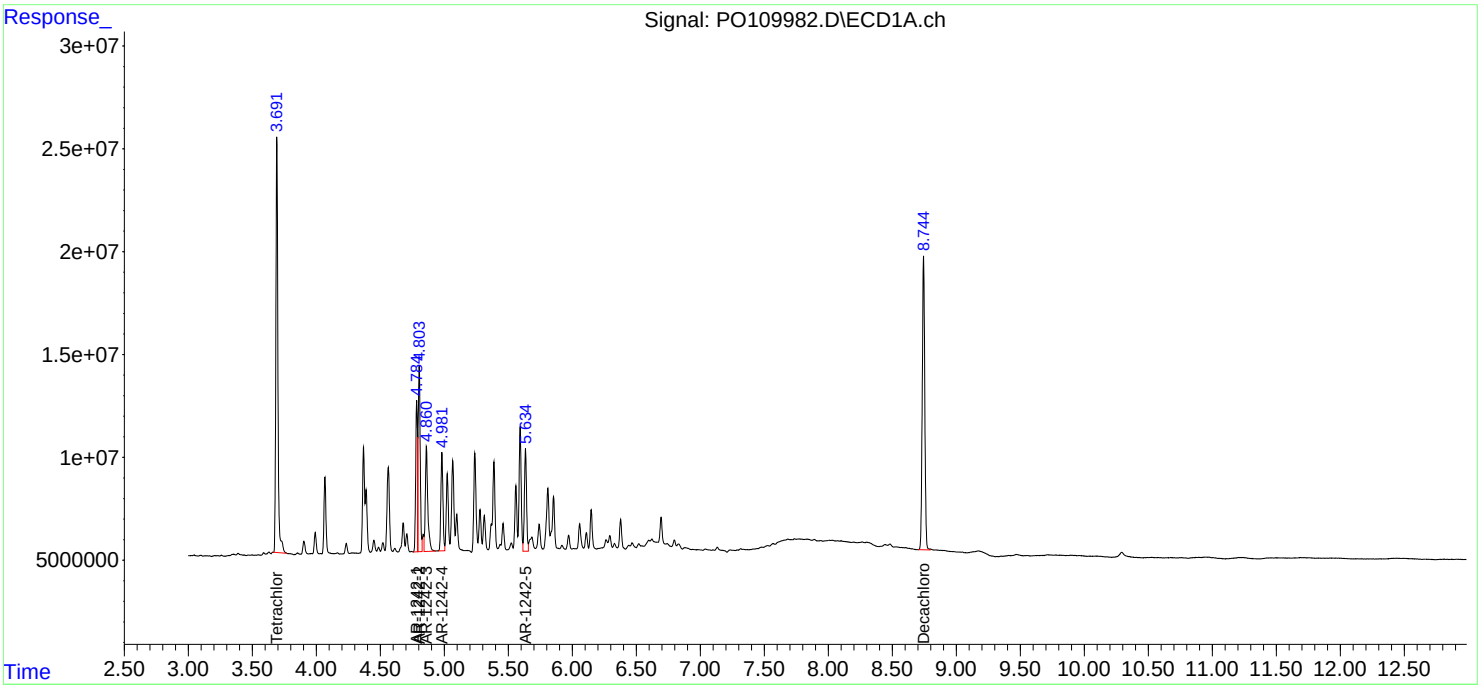
ICAL Form

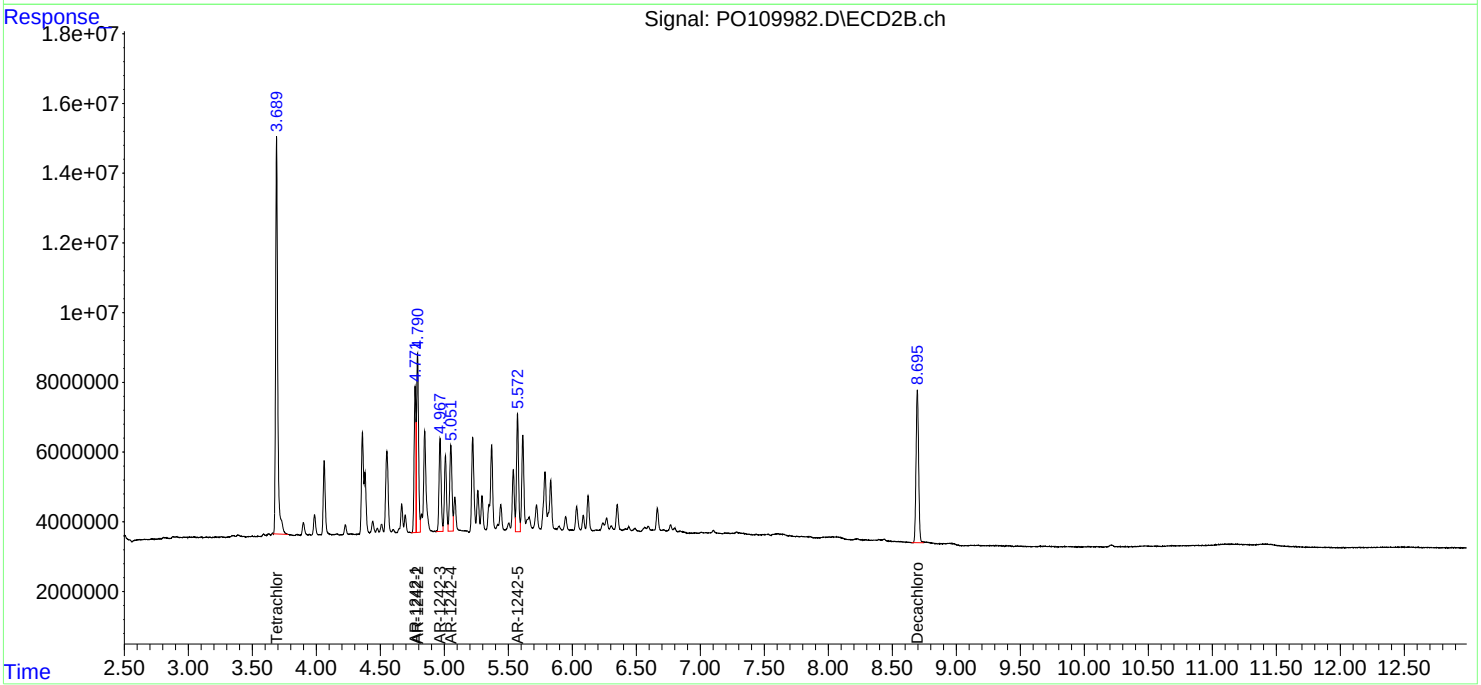
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109982.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:06
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

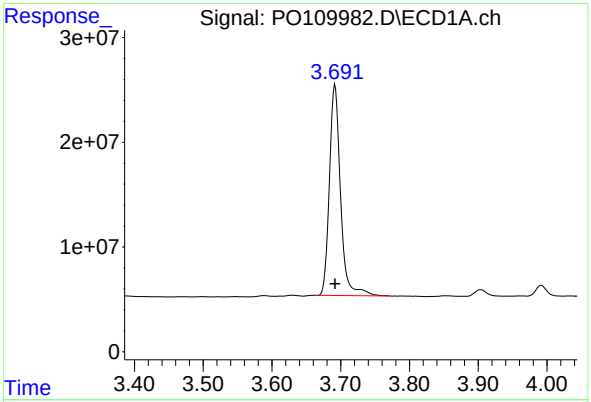
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:16:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:16:03 2025
Response via : Initial Calibration
Integrator: ChemStation

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



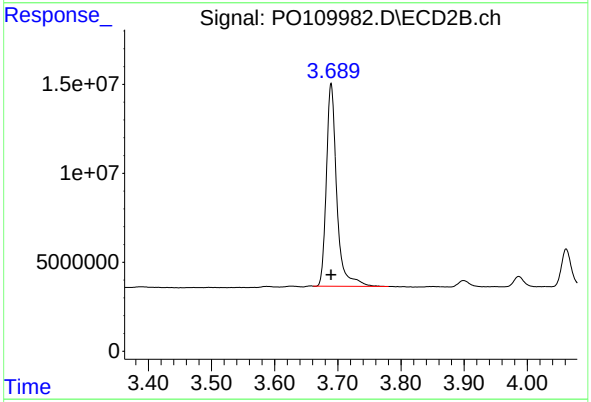






#1 Tetrachloro-m-xylene

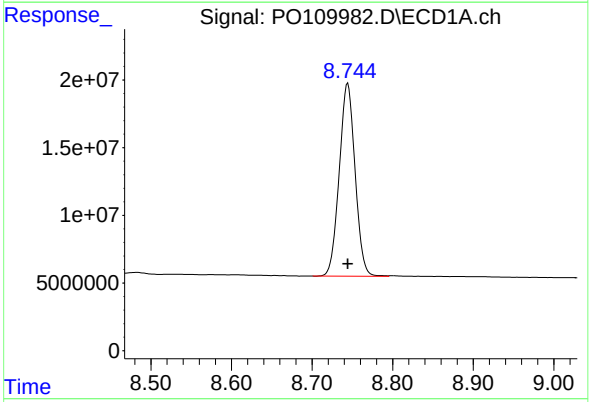
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 226344128
Conc: 25.36 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250



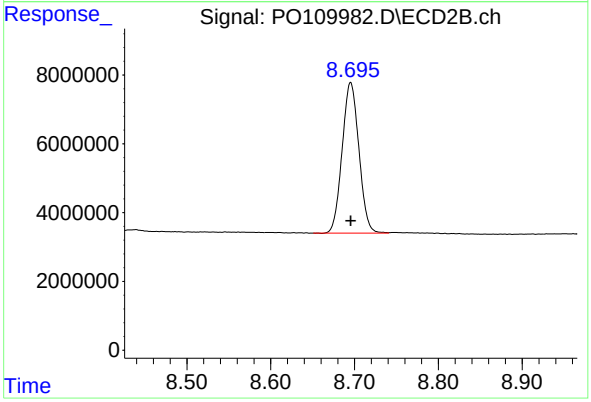

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 130179852
Conc: 25.28 ng/ml



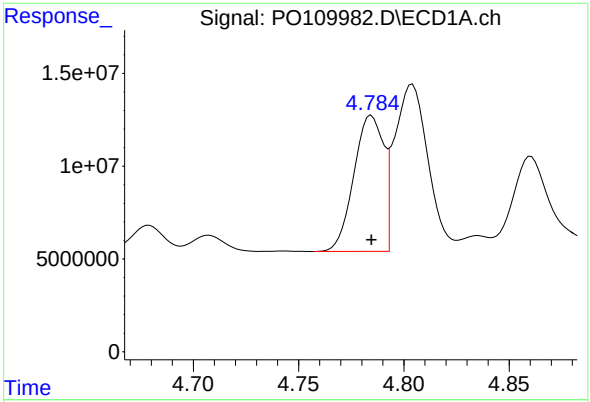

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 194588935
Conc: 26.36 ng/ml




#2 Decachlorobiphenyl

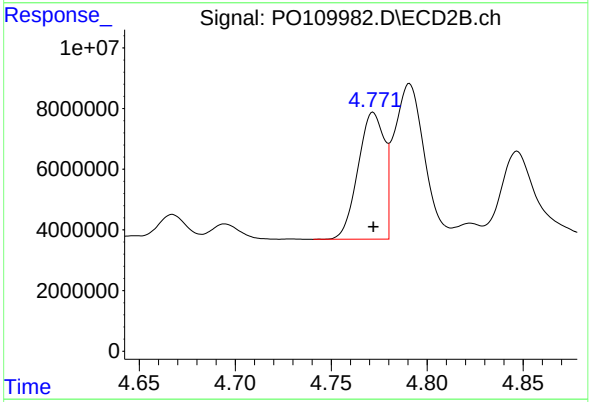
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 60893229
Conc: 26.74 ng/ml




#16 AR-1242-1

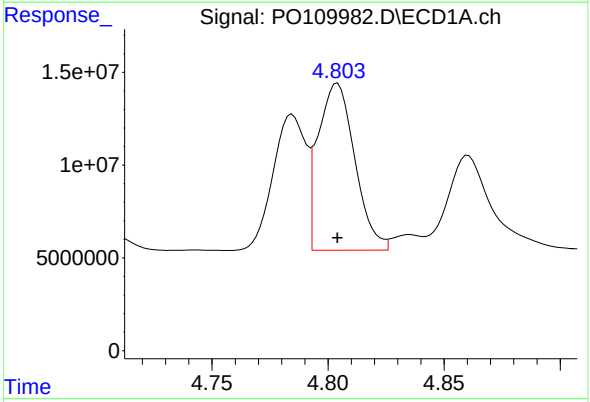
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 71937746
Conc: 263.90 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250



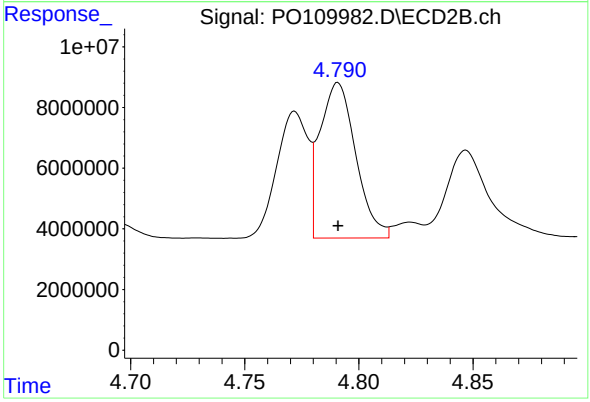

#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 39990799
Conc: 267.12 ng/ml



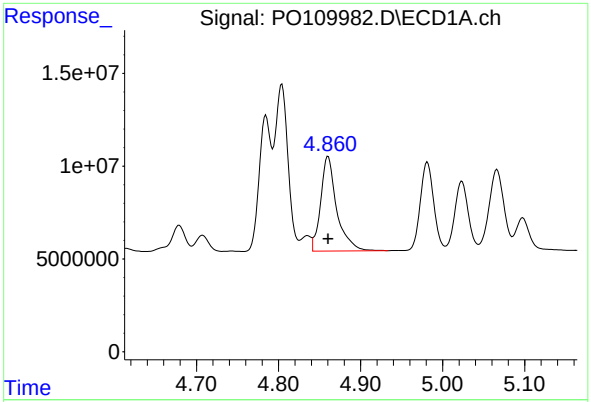

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 99324236
Conc: 262.11 ng/ml




#17 AR-1242-2

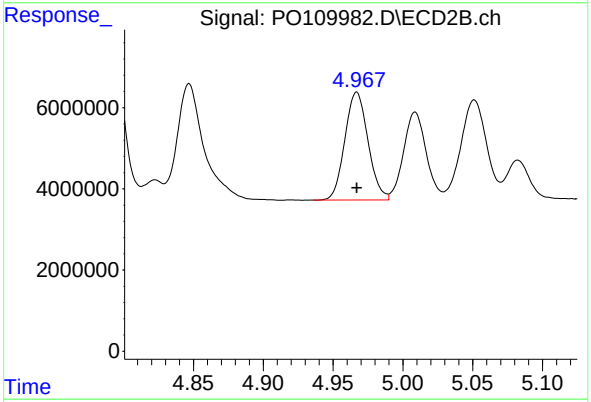
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 56210353
Conc: 261.14 ng/ml




#18 AR-1242-3

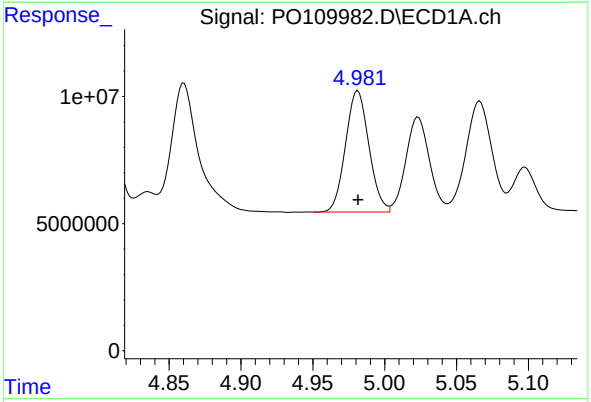
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 69326183
Conc: 268.27 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250



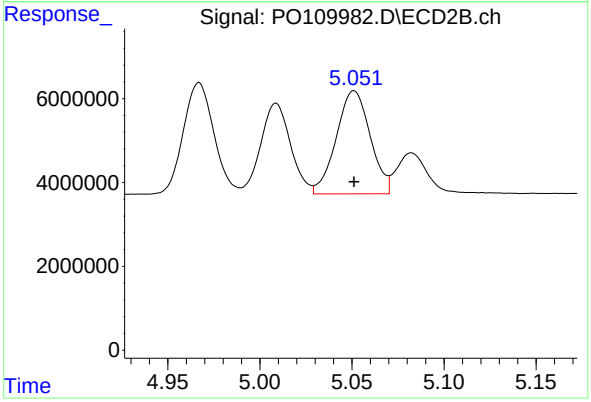

#18 AR-1242-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 30721999
Conc: 265.86 ng/ml



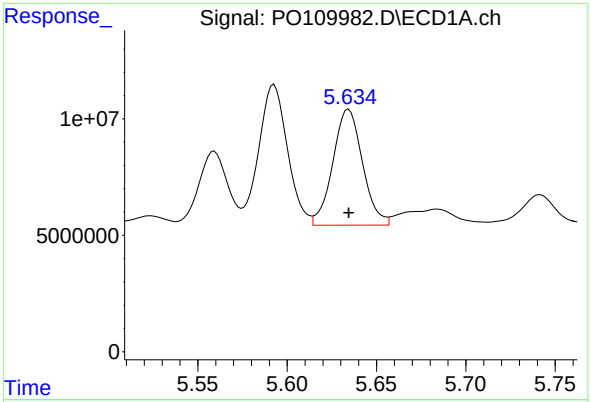

#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 53927655
Conc: 264.38 ng/ml




#19 AR-1242-4

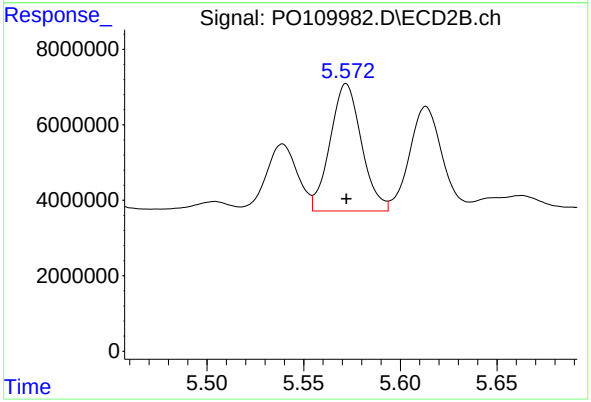
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 31584987
Conc: 271.49 ng/ml




#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 57576429
Conc: 266.99 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 38102015
Conc: 268.04 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

**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 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 33275417 | 17649519 | 3.978m | 3.680m |
| 2) | SA Decachlor... | 8.744 | 8.696 | 32408304 | 10337597 | 4.500 | 4.624 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.784 | 4.772 | 12333502 | 6612130 | 46.123 | 45.222 |
| 17) | L4 AR-1242-2 | 4.804 | 4.791 | 16261465 | 8959332 | 44.164 | 43.066 |
| 18) | L4 AR-1242-3 | 4.859 | 4.966 | 12804073 | 4792003 | 49.638 | 42.926m |
| 19) | L4 AR-1242-4 | 4.980 | 5.051 | 9228050 | 5726073 | 46.259m | 49.373 |
| 20) | L4 AR-1242-5 | 5.633 | 5.572 | 9633519 | 5880388 | 45.772m | 42.708m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

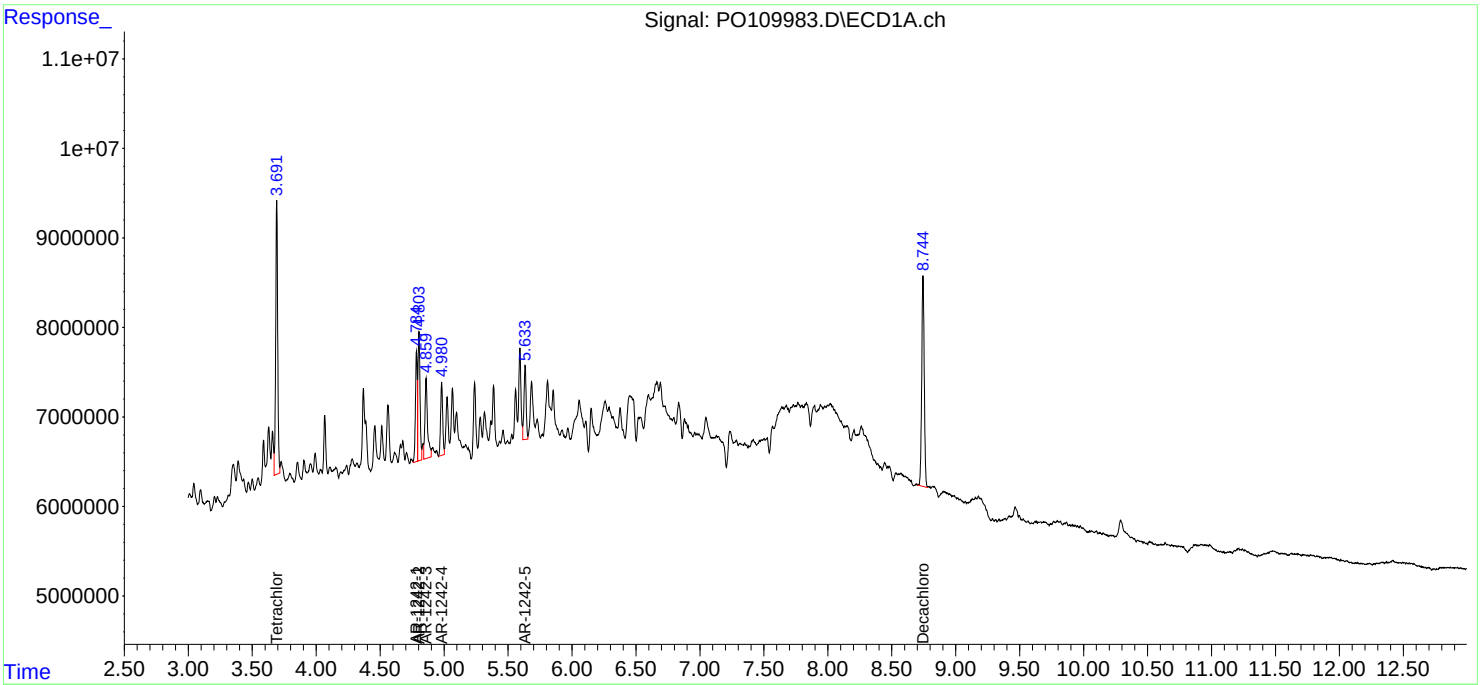
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

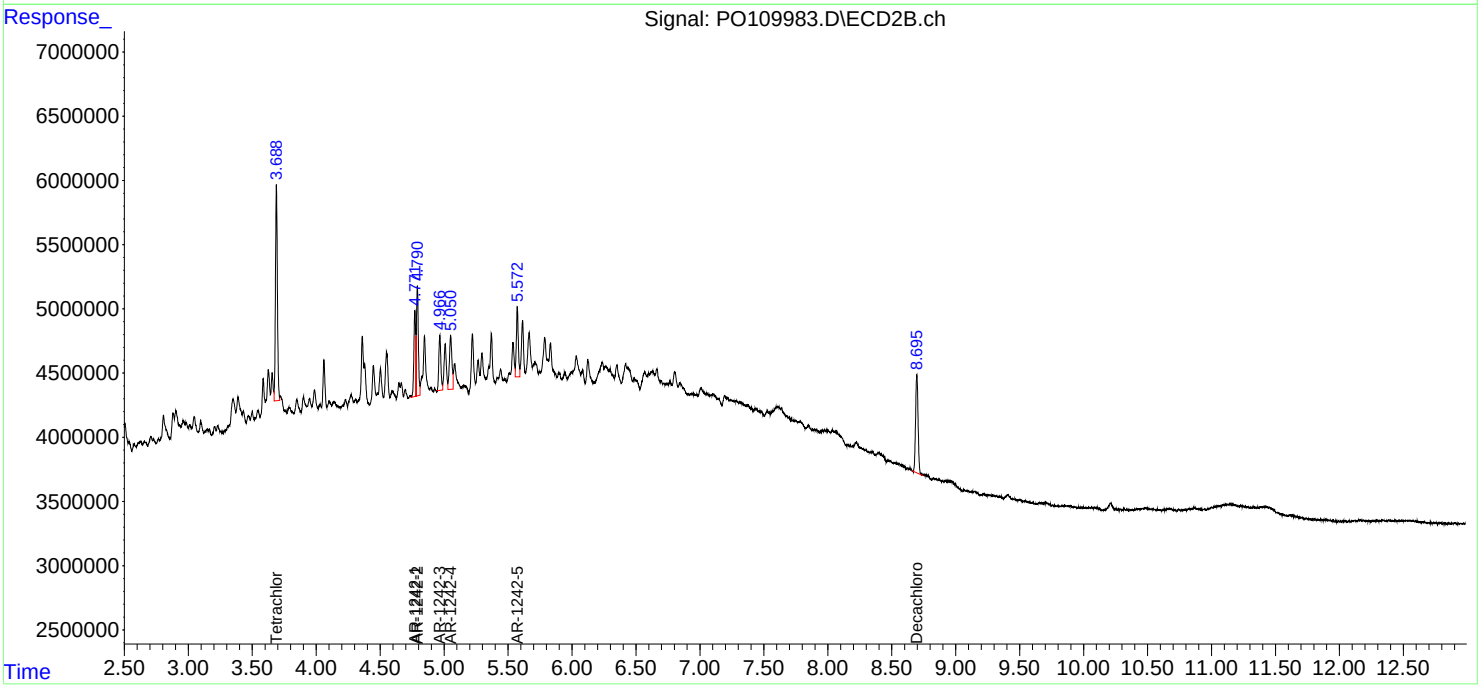
**Manual Integrations APPROVED**

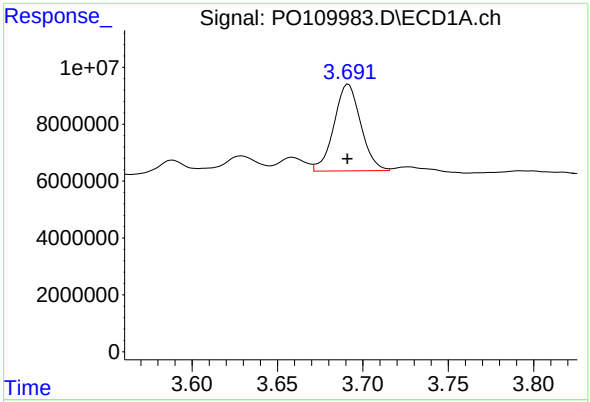
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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





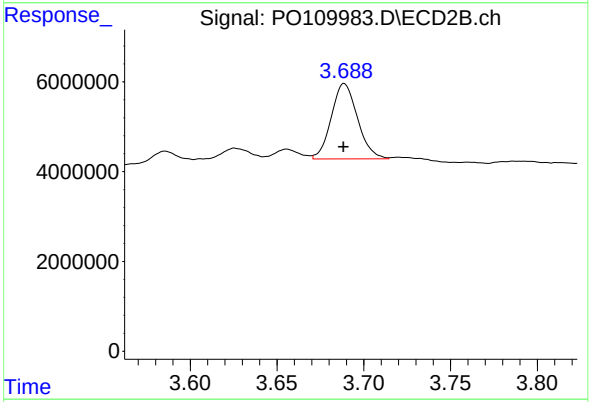

#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 33275417
Conc: 3.98 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

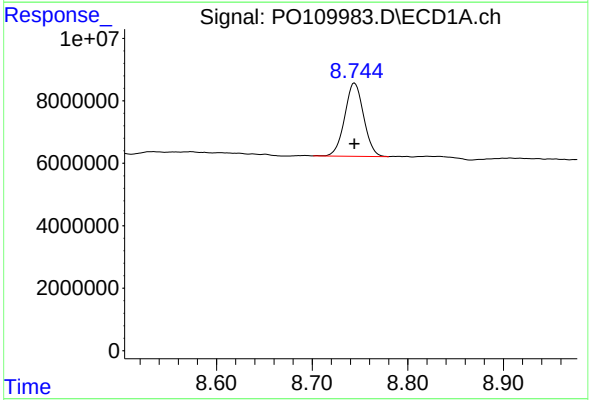
**Manual Integrations APPROVED**

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



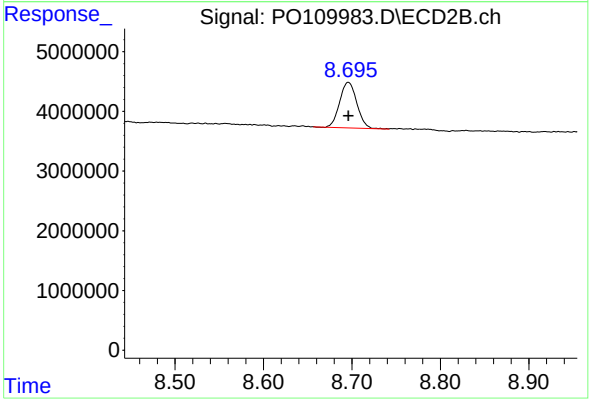

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 17649519
Conc: 3.68 ng/ml m



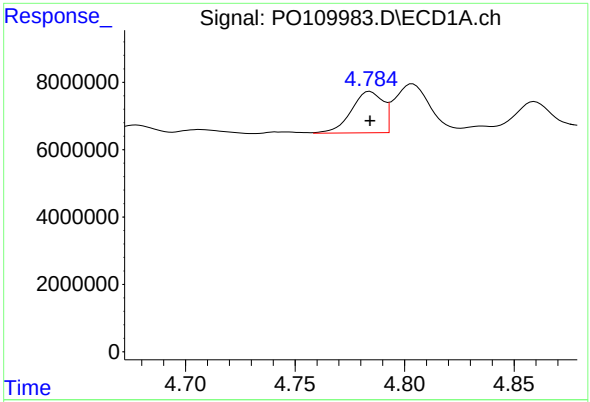

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 32408304
Conc: 4.50 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 10337597
Conc: 4.62 ng/ml



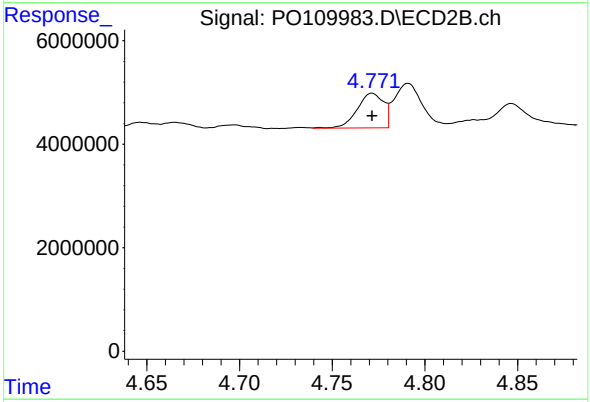

#16 AR-1242-1

R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 12333502
Conc: 46.12 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

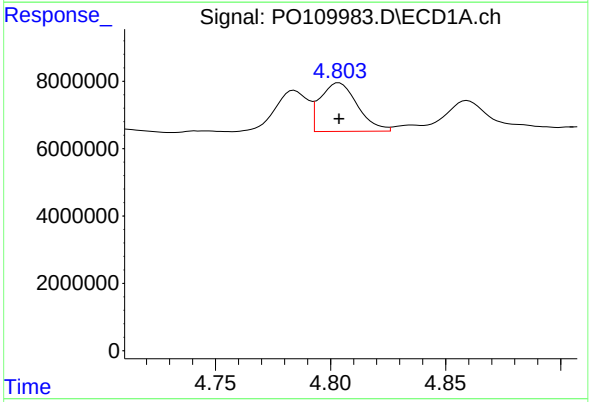
**Manual Integrations APPROVED**

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



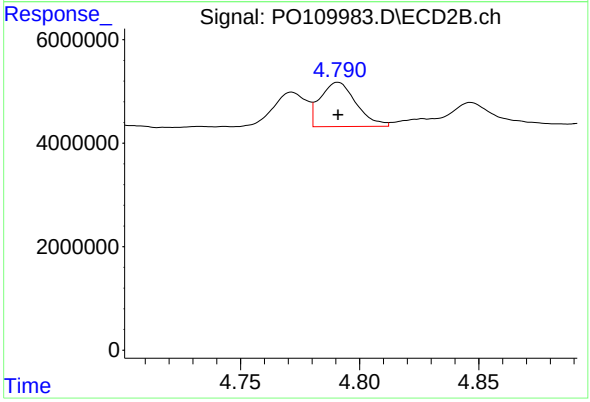

#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 6612130
Conc: 45.22 ng/ml



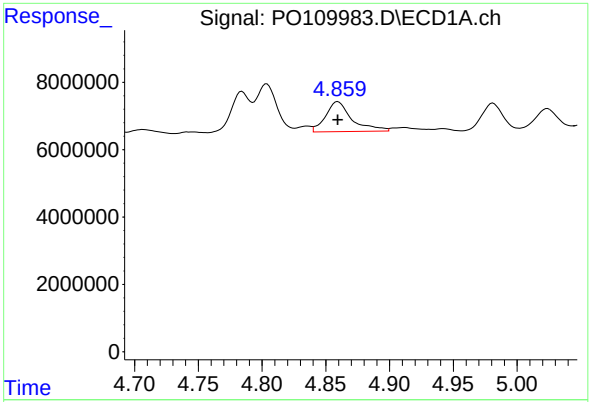

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 16261465
Conc: 44.16 ng/ml




#17 AR-1242-2

R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 8959332
Conc: 43.07 ng/ml



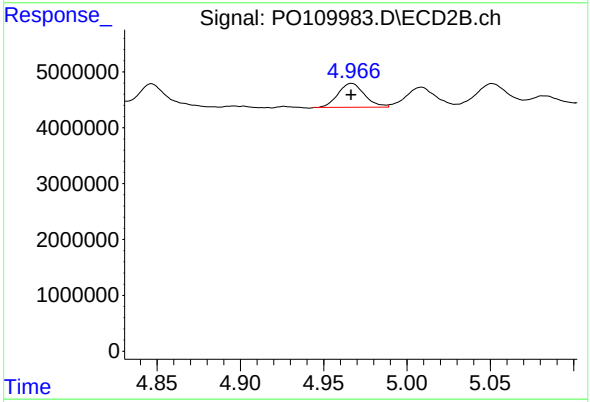

#18 AR-1242-3

R.T.: 4.859 min
Delta R.T.: 0.000 min
Response: 12804073
Conc: 49.64 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

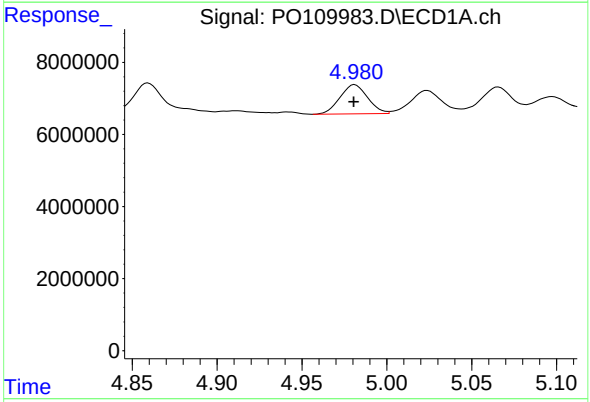
**Manual Integrations APPROVED**

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



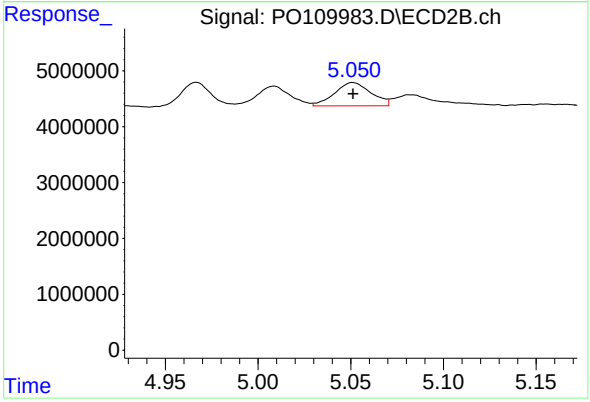

#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 4792003
Conc: 42.93 ng/ml m



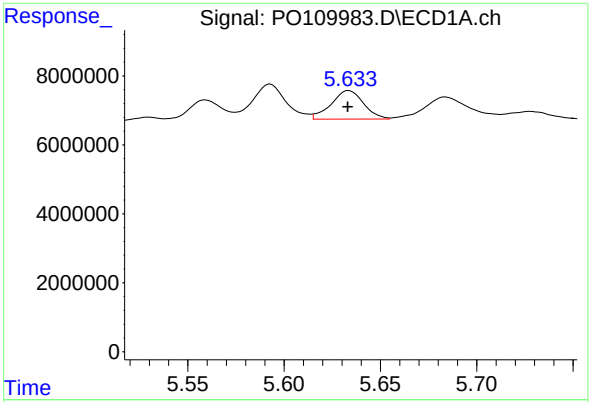

#19 AR-1242-4

R.T.: 4.980 min
Delta R.T.: 0.000 min
Response: 9228050
Conc: 46.26 ng/ml m




#19 AR-1242-4

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 5726073
Conc: 49.37 ng/ml



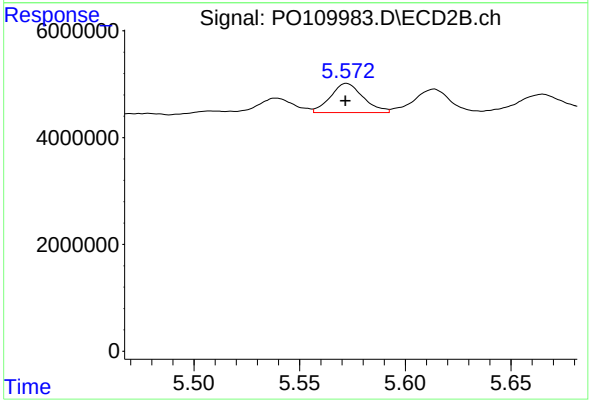

#20 AR-1242-5

R.T.: 5.633 min
Delta R.T.: 0.000 min
Response: 9633519
Conc: 45.77 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

**Manual Integrations APPROVED**

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




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 5880388
Conc: 42.71 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:42
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.690 | 3.689 | 889.7E6 | 511.9E6 | 95.913 | 96.672 |
| 2) | SA Decachlor... | 8.742 | 8.696 | 728.0E6 | 214.7E6 | 93.393 | 91.574 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.783 | 4.771 | 203.2E6 | 111.3E6 | 923.985 | 924.703 |
| 22) | L5 AR-1248-2 | 5.022 | 5.008 | 271.7E6 | 153.2E6 | 902.515 | 908.902 |
| 23) | L5 AR-1248-3 | 5.237 | 5.050 | 341.9E6 | 163.6E6 | 913.052 | 913.648 |
| 24) | L5 AR-1248-4 | 5.591 | 5.221 | 484.7E6 | 192.0E6 | 926.318 | 920.729 |
| 25) | L5 AR-1248-5 | 5.633 | 5.614 | 341.9E6 | 189.8E6 | 924.672 | 932.015 |

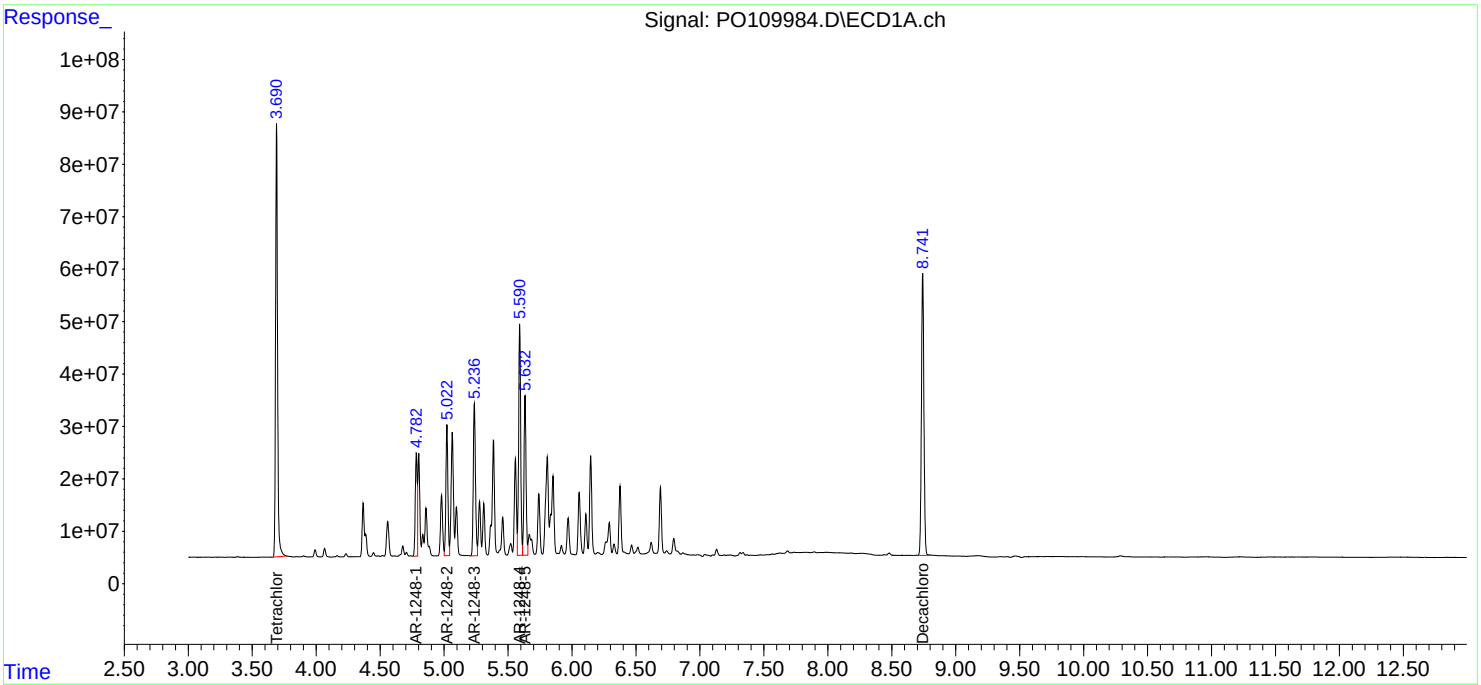
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

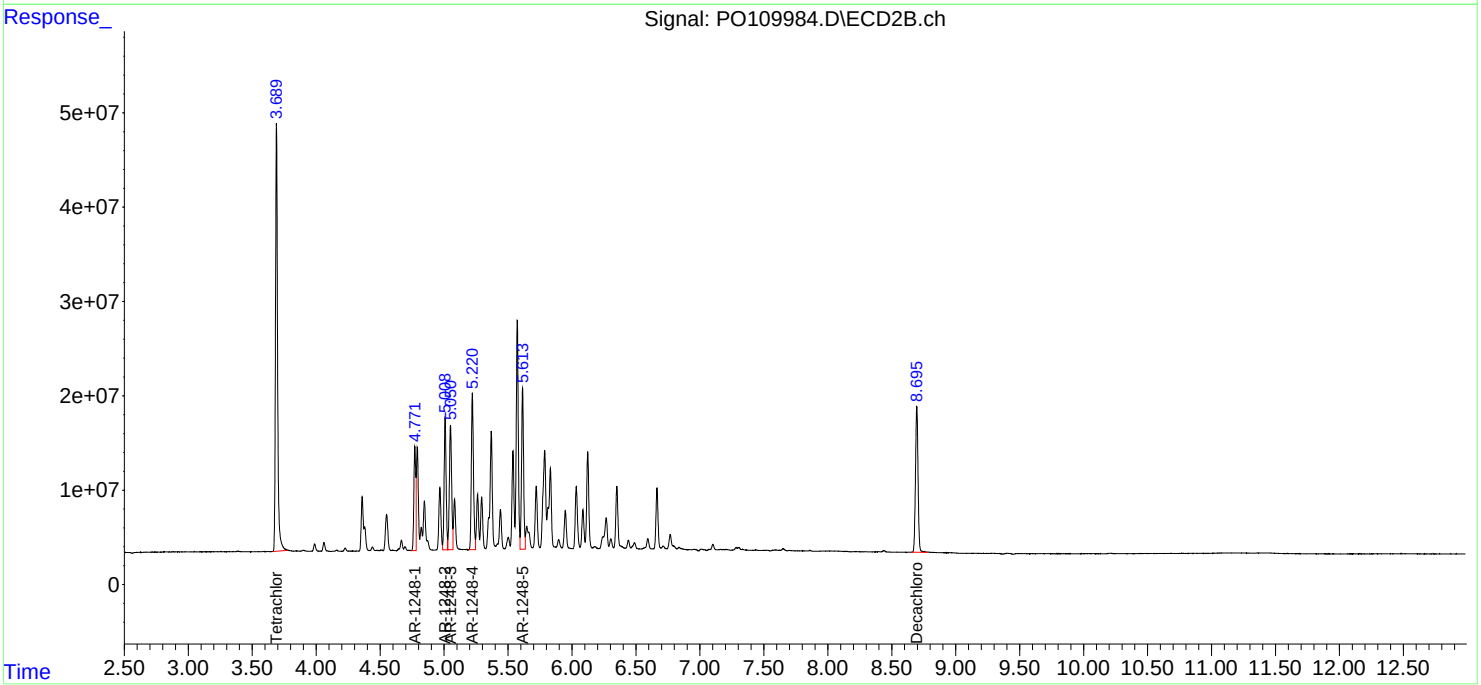
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109984.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:42
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

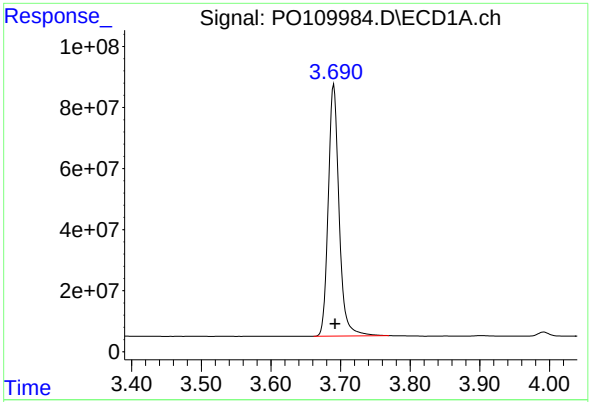
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



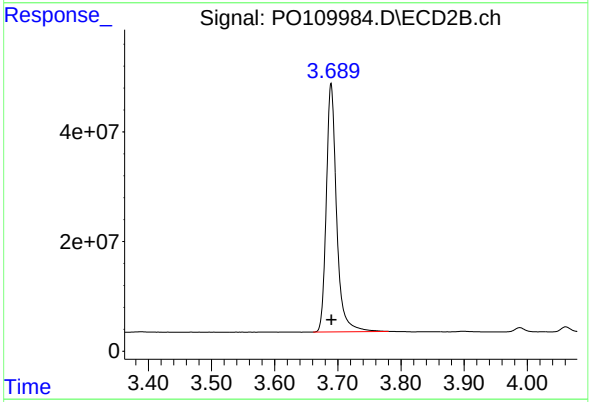






#1 Tetrachloro-m-xylene

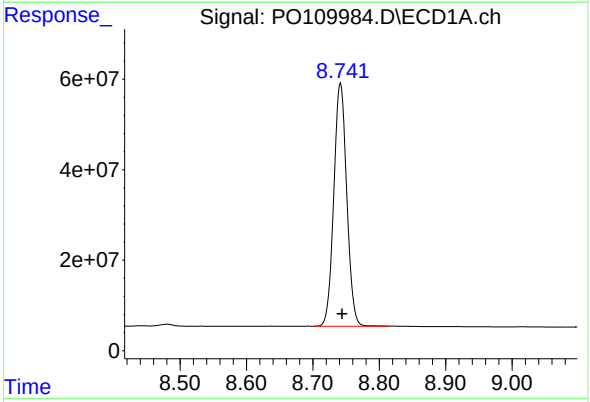
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 889690628
Conc: 95.91 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000



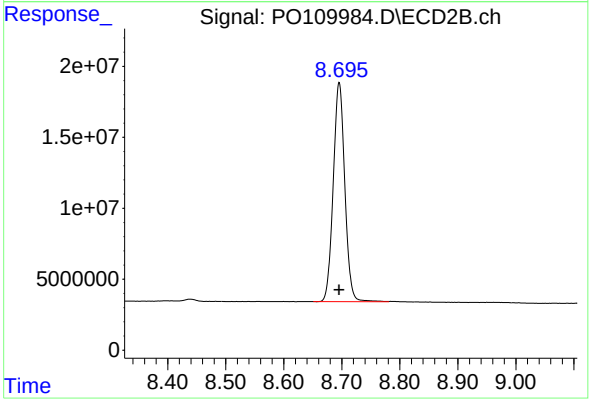

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 511894308
Conc: 96.67 ng/ml



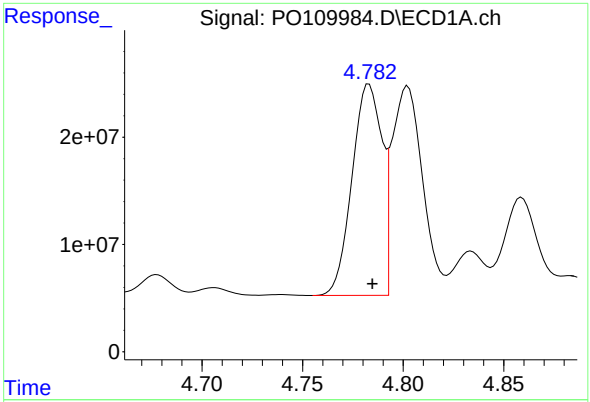

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.002 min
Response: 727980203
Conc: 93.39 ng/ml




#2 Decachlorobiphenyl

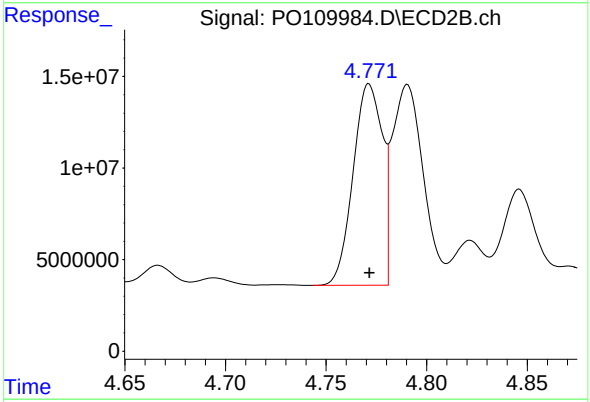
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 214708362
Conc: 91.57 ng/ml




#21 AR-1248-1

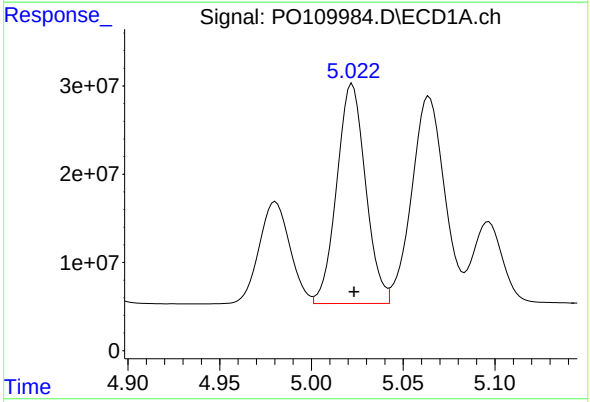
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 203222777
Conc: 923.99 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000



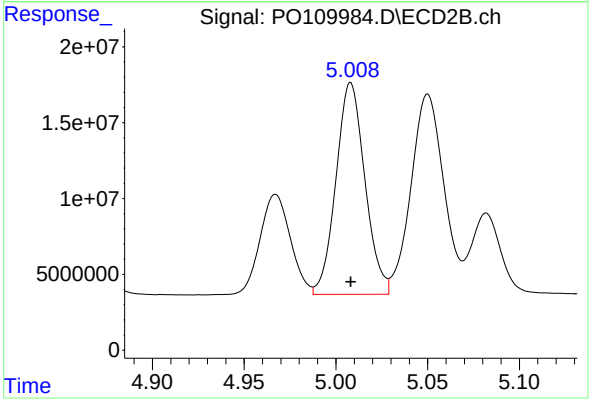

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 111262575
Conc: 924.70 ng/ml



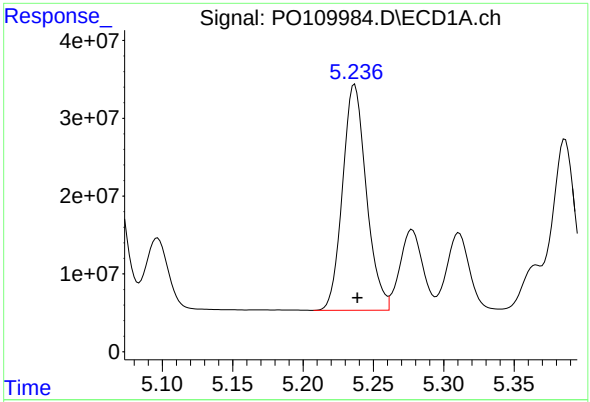

#22 AR-1248-2

R.T.: 5.022 min
Delta R.T.: -0.001 min
Response: 271717932
Conc: 902.51 ng/ml




#22 AR-1248-2

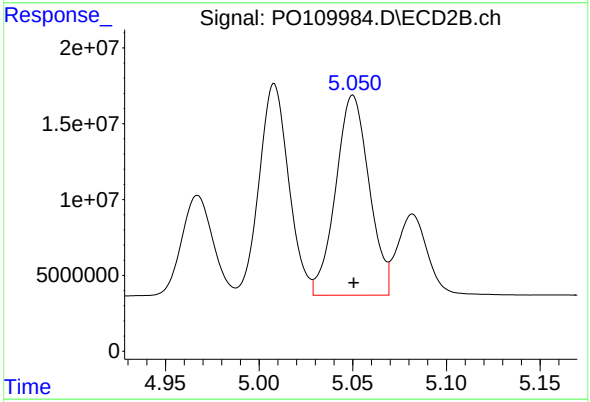
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 153166873
Conc: 908.90 ng/ml




#23 AR-1248-3

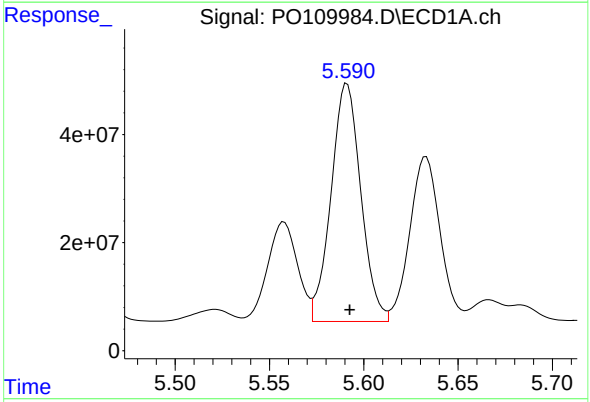
R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 341855080
Conc: 913.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000



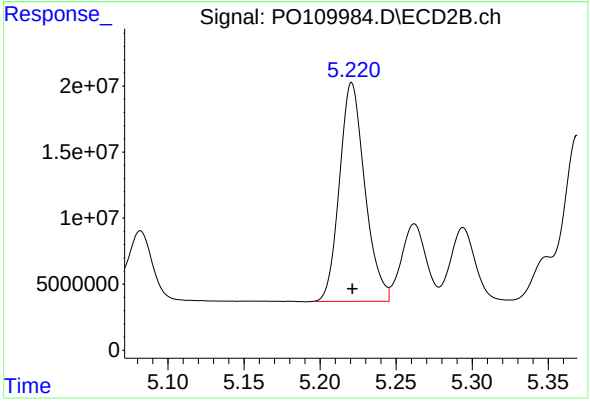

#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 163639212
Conc: 913.65 ng/ml



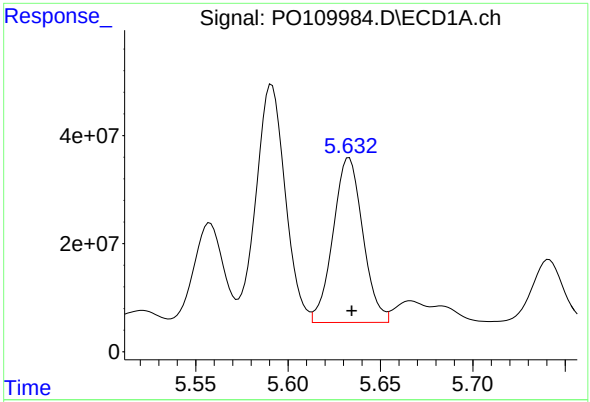

#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.001 min
Response: 484718685
Conc: 926.32 ng/ml




#24 AR-1248-4

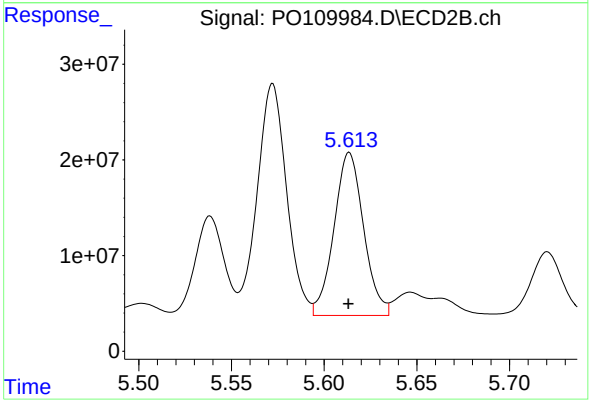
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 192034431
Conc: 920.73 ng/ml




#25 AR-1248-5

R.T.: 5.633 min
Delta R.T.: -0.001 min
Response: 341874536
Conc: 924.67 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000




#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: 0.000 min
Response: 189825244
Conc: 932.02 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:00
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.693 | 3.690 | 683.1E6 | 391.4E6 | 73.638 | 73.916 |
| 2) | SA Decachlor... | 8.743 | 8.696 | 564.9E6 | 168.9E6 | 72.473 | 72.022 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.785 | 4.772 | 158.1E6 | 86749863 | 718.942 | 720.978 |
| 22) | L5 AR-1248-2 | 5.024 | 5.009 | 213.9E6 | 120.1E6 | 710.557 | 712.732 |
| 23) | L5 AR-1248-3 | 5.239 | 5.051 | 267.9E6 | 128.2E6 | 715.615 | 715.920 |
| 24) | L5 AR-1248-4 | 5.593 | 5.222 | 377.8E6 | 150.5E6 | 721.979 | 721.526 |
| 25) | L5 AR-1248-5 | 5.635 | 5.614 | 266.1E6 | 147.5E6 | 719.788 | 724.105 |

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

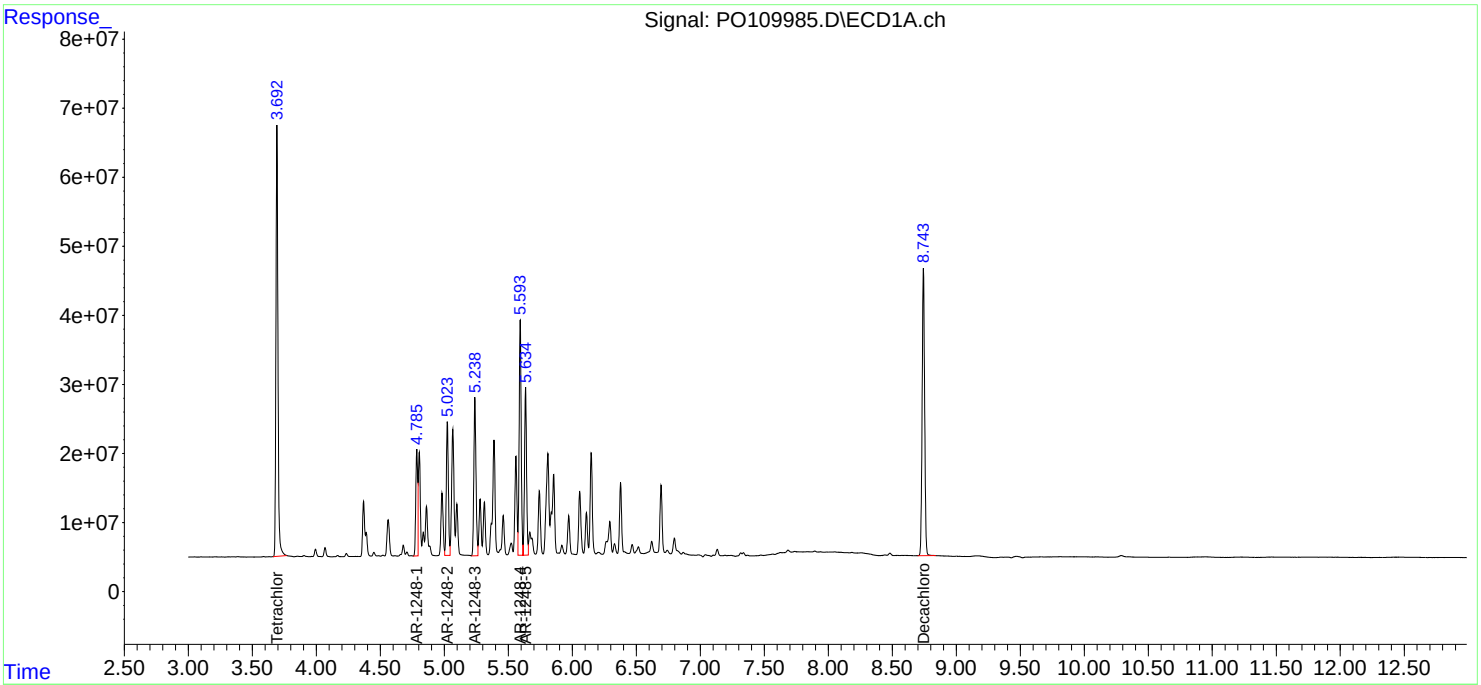
ICAL Form

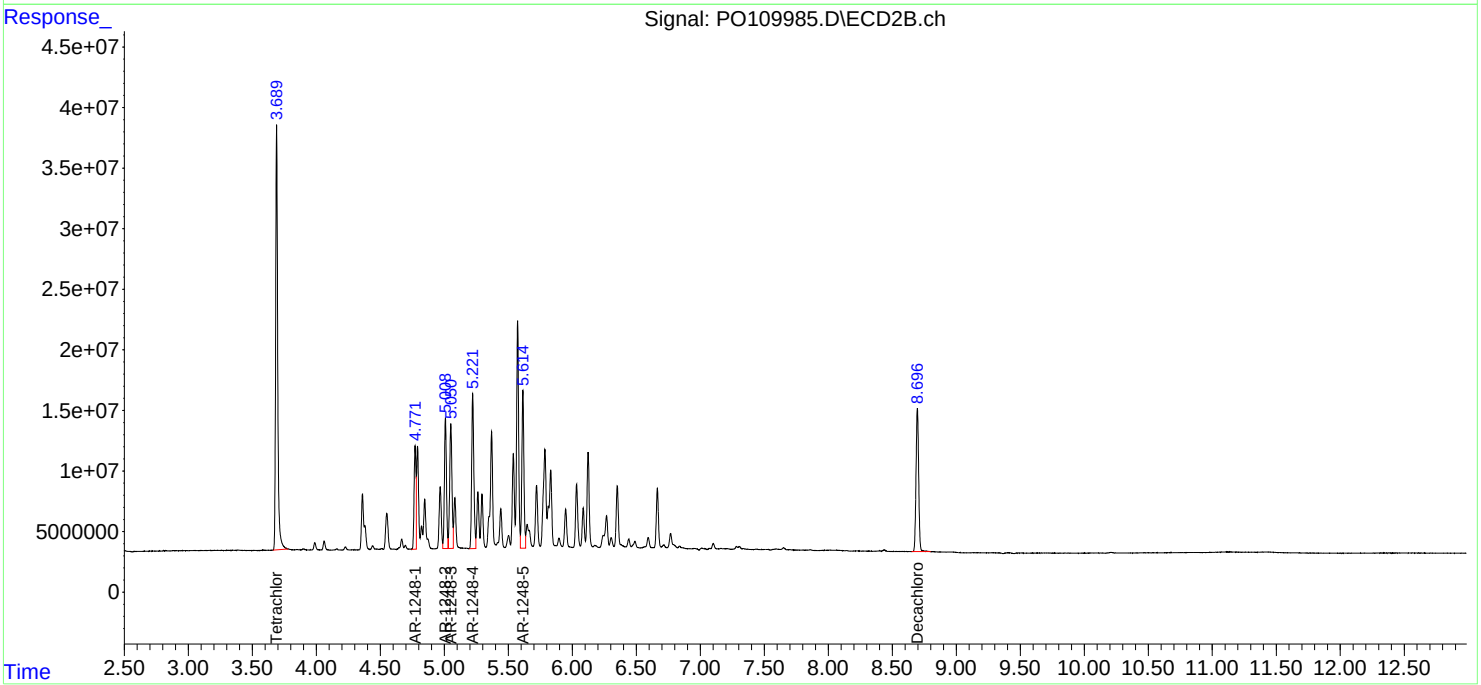
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:00
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

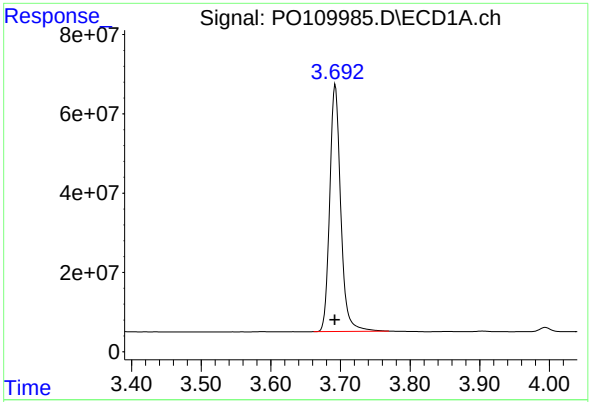
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



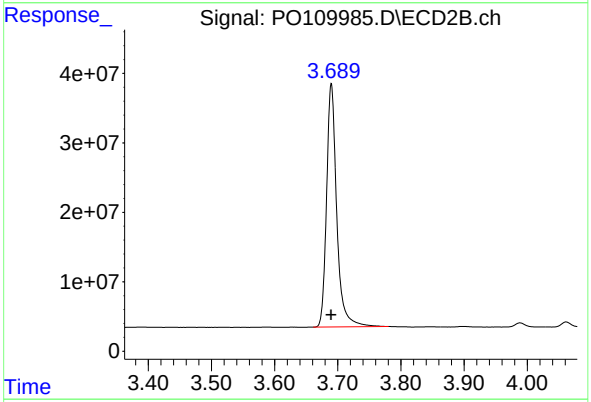






#1 Tetrachloro-m-xylene

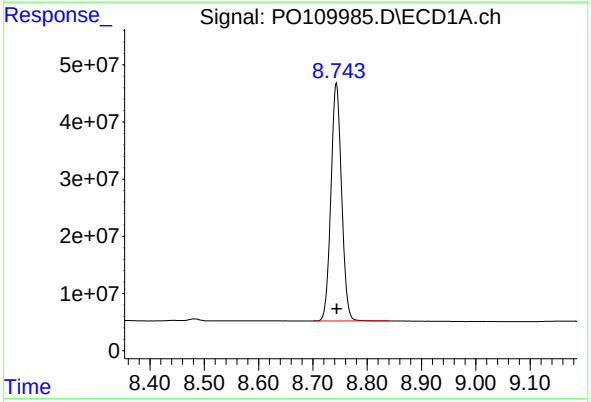
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 683064811
Conc: 73.64 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750



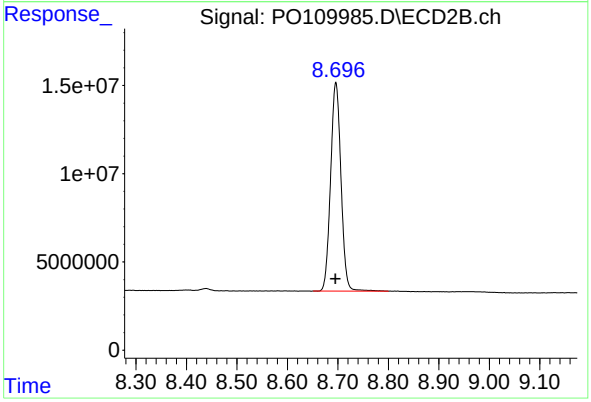

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 391397784
Conc: 73.92 ng/ml



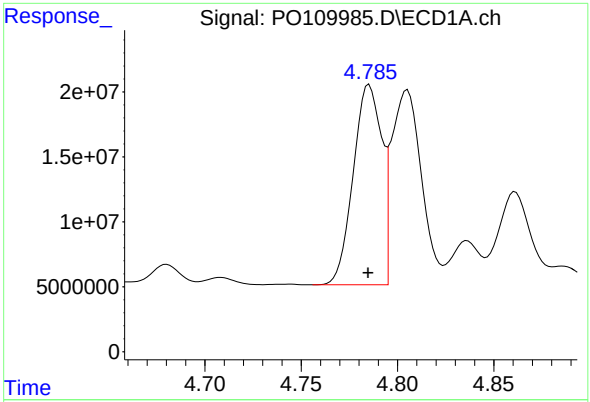

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 564910095
Conc: 72.47 ng/ml




#2 Decachlorobiphenyl

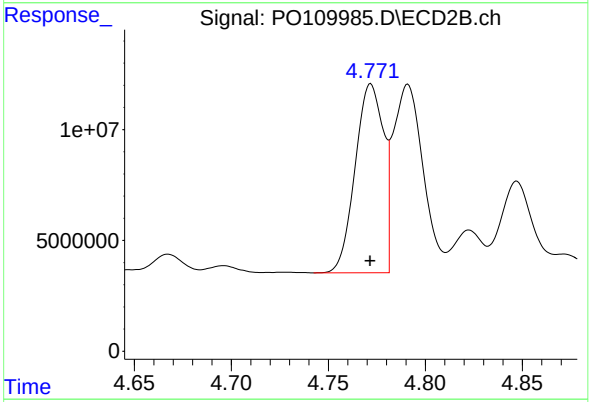
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 168866978
Conc: 72.02 ng/ml




#21 AR-1248-1

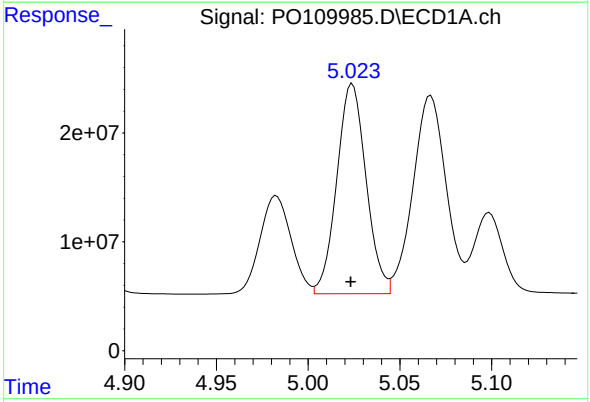
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 158125163
Conc: 718.94 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750



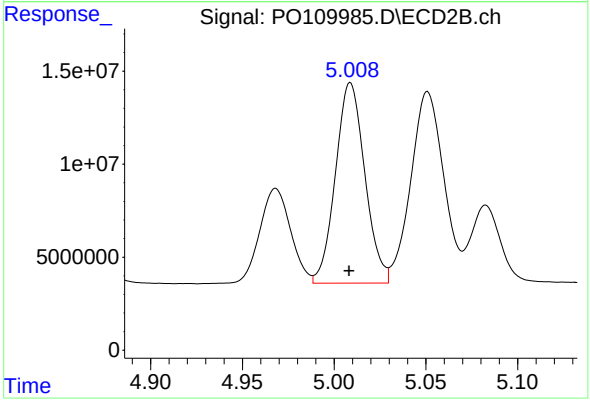

#21 AR-1248-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 86749863
Conc: 720.98 ng/ml



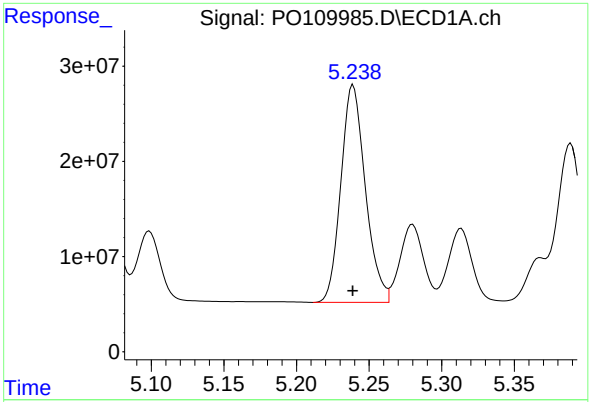

#22 AR-1248-2

R.T.: 5.024 min
Delta R.T.: 0.000 min
Response: 213925644
Conc: 710.56 ng/ml




#22 AR-1248-2

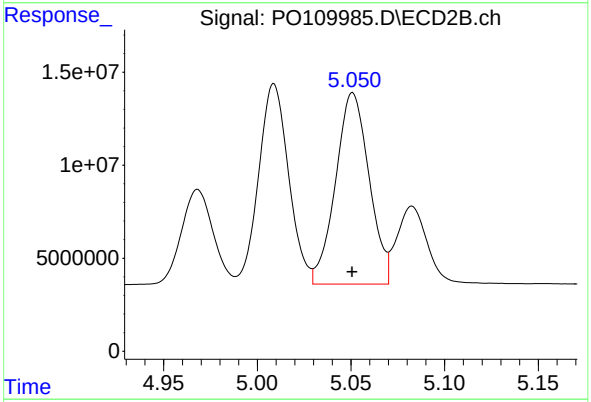
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 120108575
Conc: 712.73 ng/ml




#23 AR-1248-3

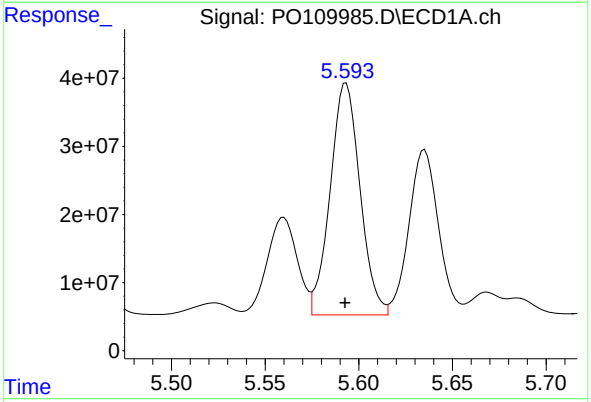
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 267932599
Conc: 715.61 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750



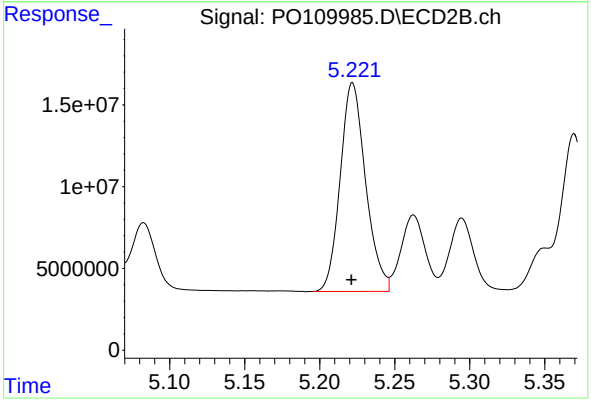

#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 128225021
Conc: 715.92 ng/ml



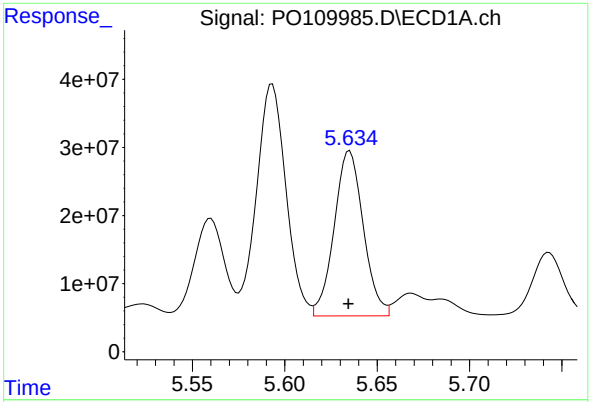

#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 377793460
Conc: 721.98 ng/ml




#24 AR-1248-4

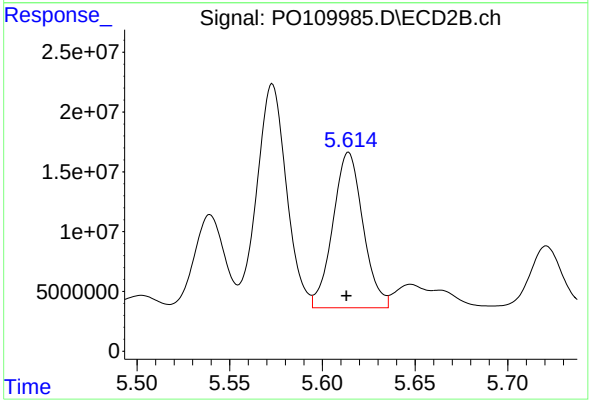
R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 150486943
Conc: 721.53 ng/ml




#25 AR-1248-5

R.T.: 5.635 min
Delta R.T.: 0.000 min
Response: 266123735
Conc: 719.79 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750




#25 AR-1248-5

R.T.: 5.614 min
Delta R.T.: 0.001 min
Response: 147479675
Conc: 724.10 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:19
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.692 | 3.690 | 463.8E6 | 264.8E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 389.7E6 | 117.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.785 | 4.771 | 110.0E6 | 60161217 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 5.023 | 5.008 | 150.5E6 | 84259256 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 5.239 | 5.051 | 187.2E6 | 89552637 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 5.593 | 5.221 | 261.6E6 | 104.3E6 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 5.634 | 5.613 | 184.9E6 | 101.8E6 | 500.000 | 500.000 |

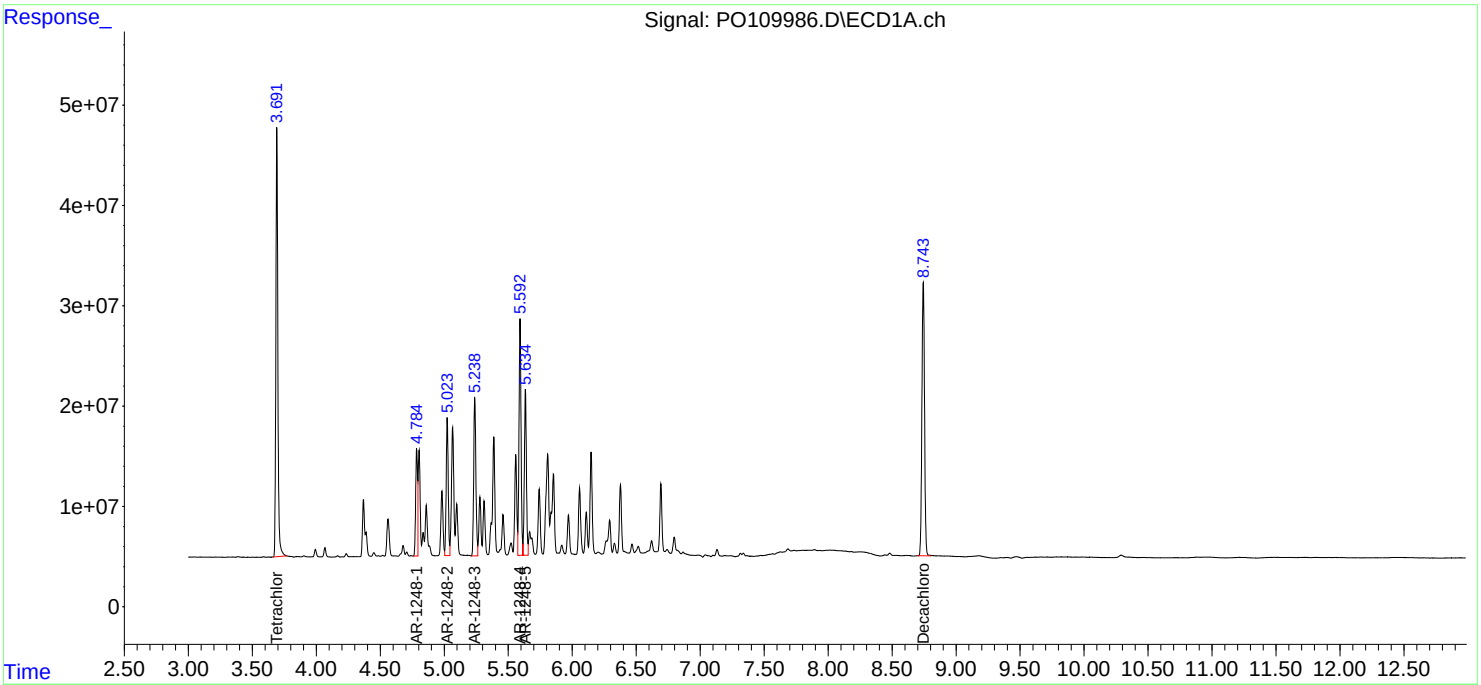
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

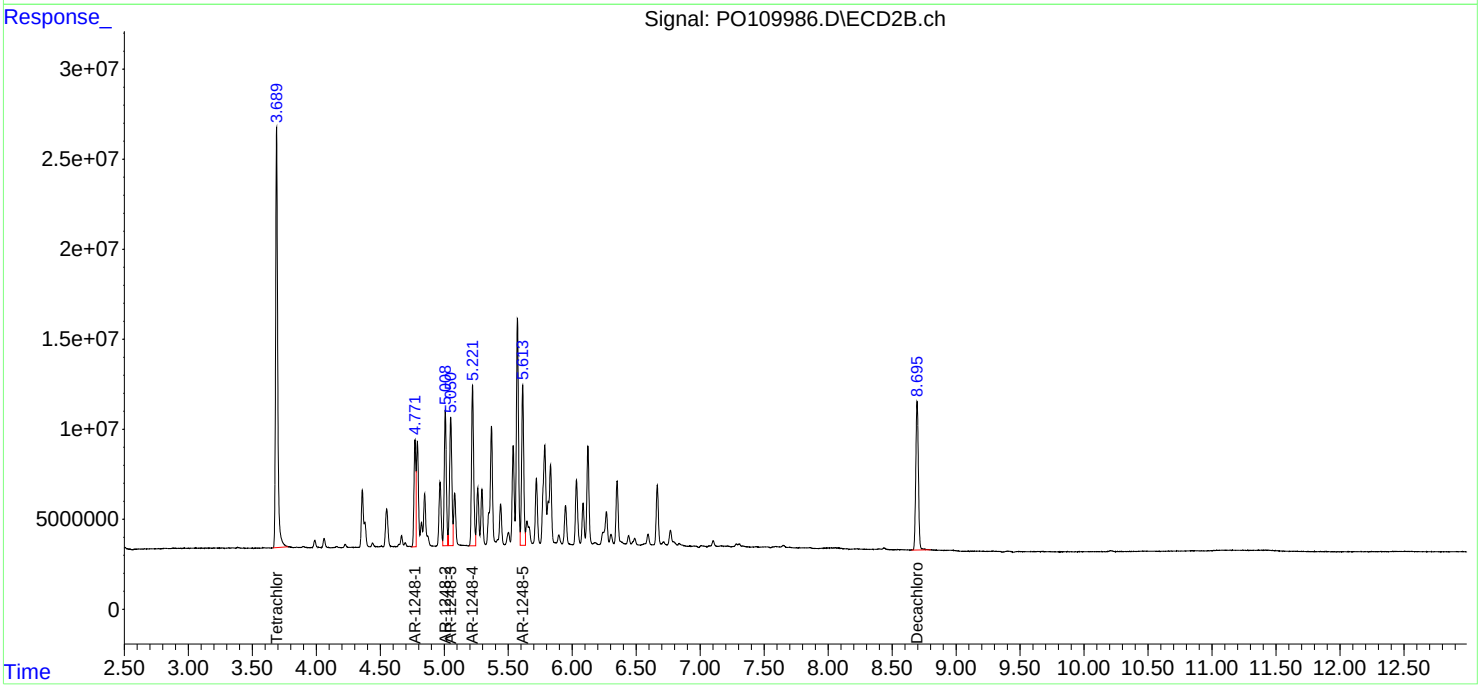
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:19
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

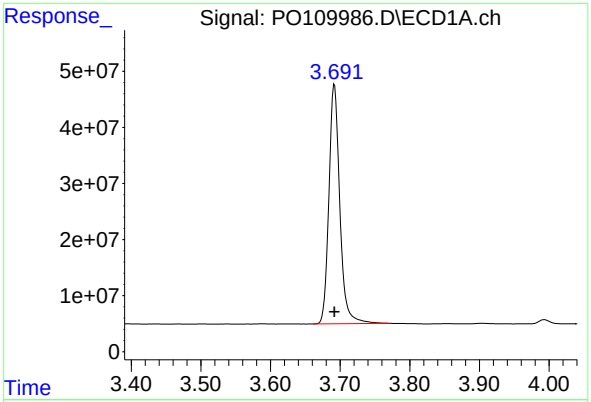
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



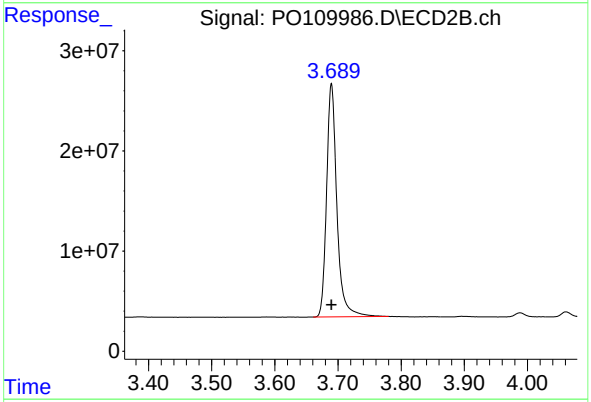






#1 Tetrachloro-m-xylene

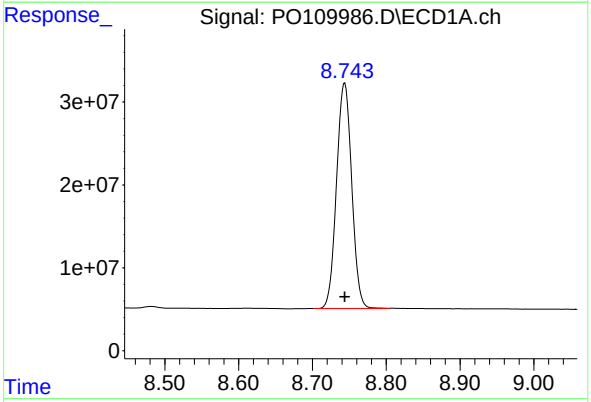
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 463799489
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500



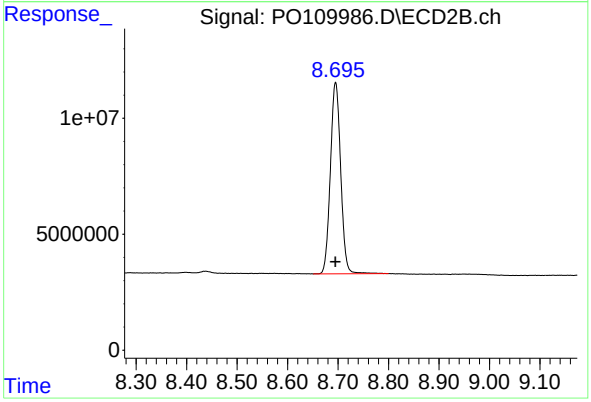

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 264757687
Conc: 50.00 ng/ml



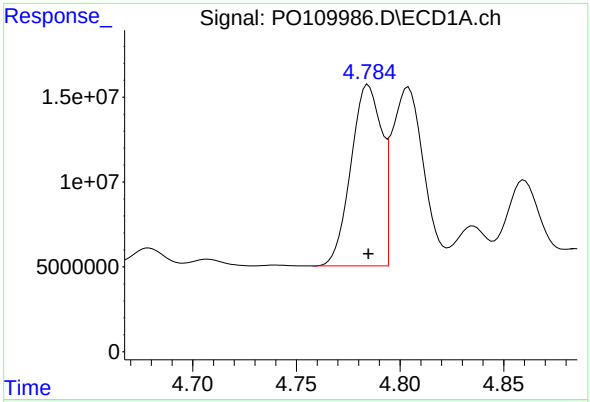

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 389738327
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

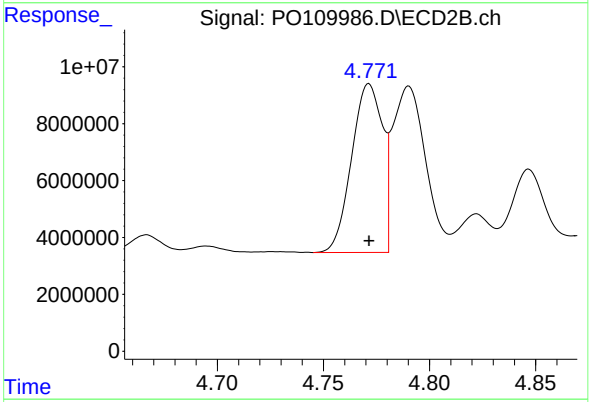
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 117232791
Conc: 50.00 ng/ml




#21 AR-1248-1

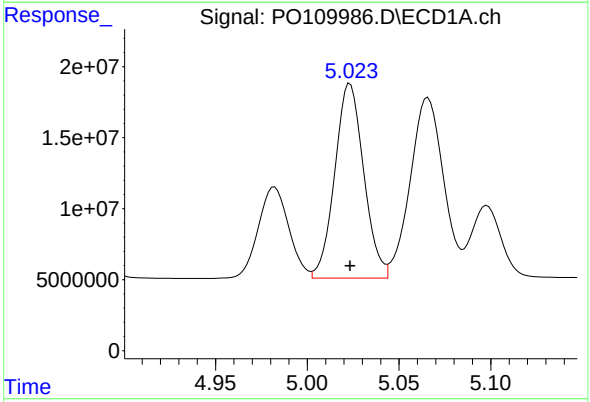
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 109970762
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500



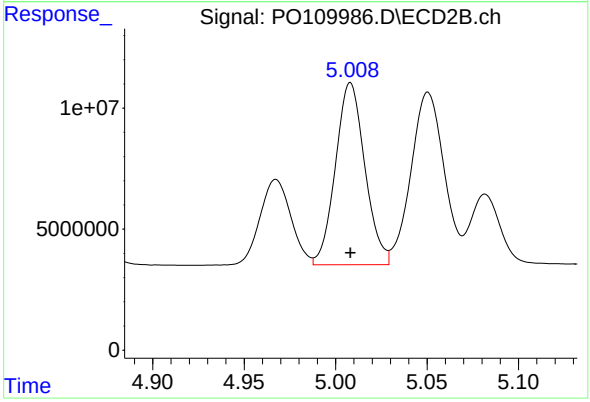

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 60161217
Conc: 500.00 ng/ml



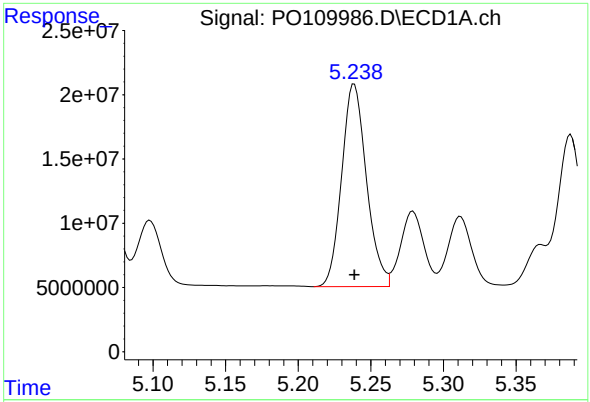

#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 150533799
Conc: 500.00 ng/ml




#22 AR-1248-2

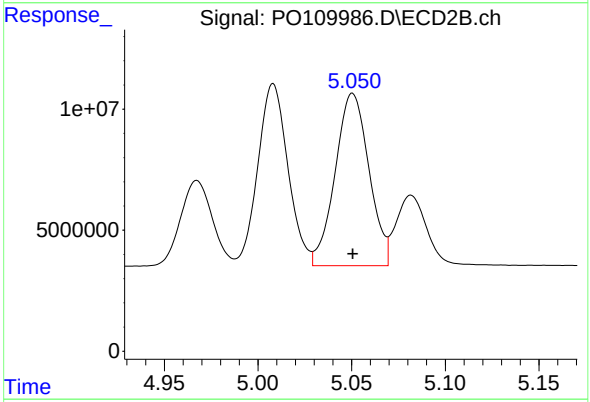
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 84259256
Conc: 500.00 ng/ml




#23 AR-1248-3

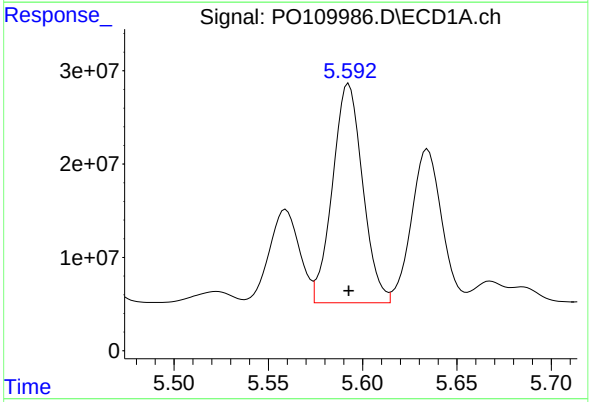
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 187204562
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500



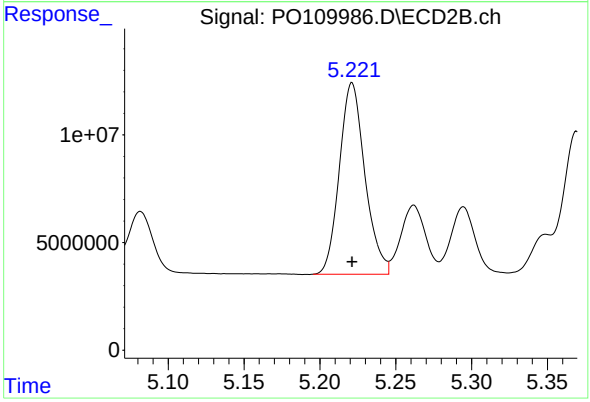

#23 AR-1248-3

R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 89552637
Conc: 500.00 ng/ml



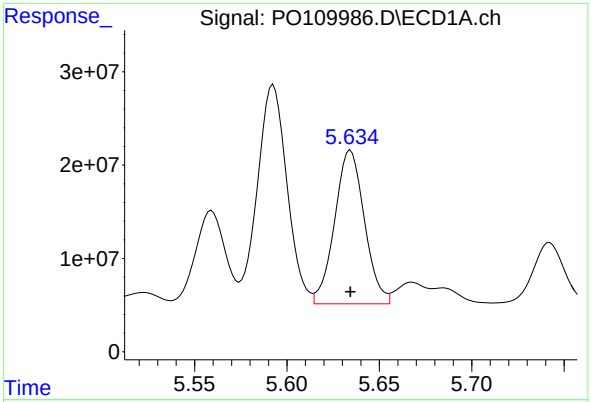

#24 AR-1248-4

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 261637332
Conc: 500.00 ng/ml




#24 AR-1248-4

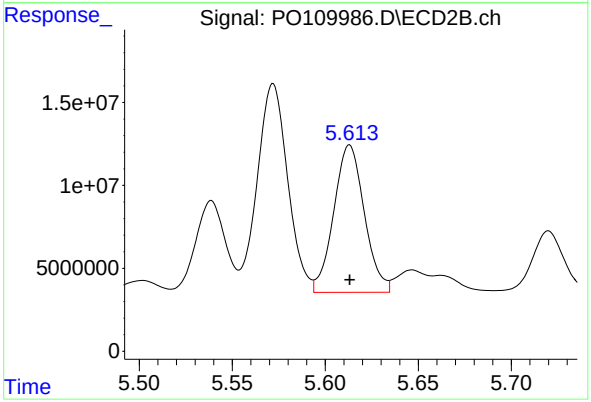
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 104283869
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 184862645
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500




#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 101835896
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:37
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.691 | 3.689 | 234.4E6 | 134.2E6 | 25.266 | 25.339 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 202.8E6 | 63399780 | 26.017 | 27.040 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.784 | 4.771 | 57869632 | 31675925 | 263.114 | 263.259 |
| 22) | L5 AR-1248-2 | 5.023 | 5.008 | 80049855 | 44958781 | 265.887 | 266.788 |
| 23) | L5 AR-1248-3 | 5.238 | 5.050 | 98806066 | 47928872 | 263.899 | 267.602 |
| 24) | L5 AR-1248-4 | 5.592 | 5.221 | 136.0E6 | 55764342 | 259.818 | 267.368 |
| 25) | L5 AR-1248-5 | 5.634 | 5.613 | 96853624 | 53959011 | 261.961 | 264.931 |

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

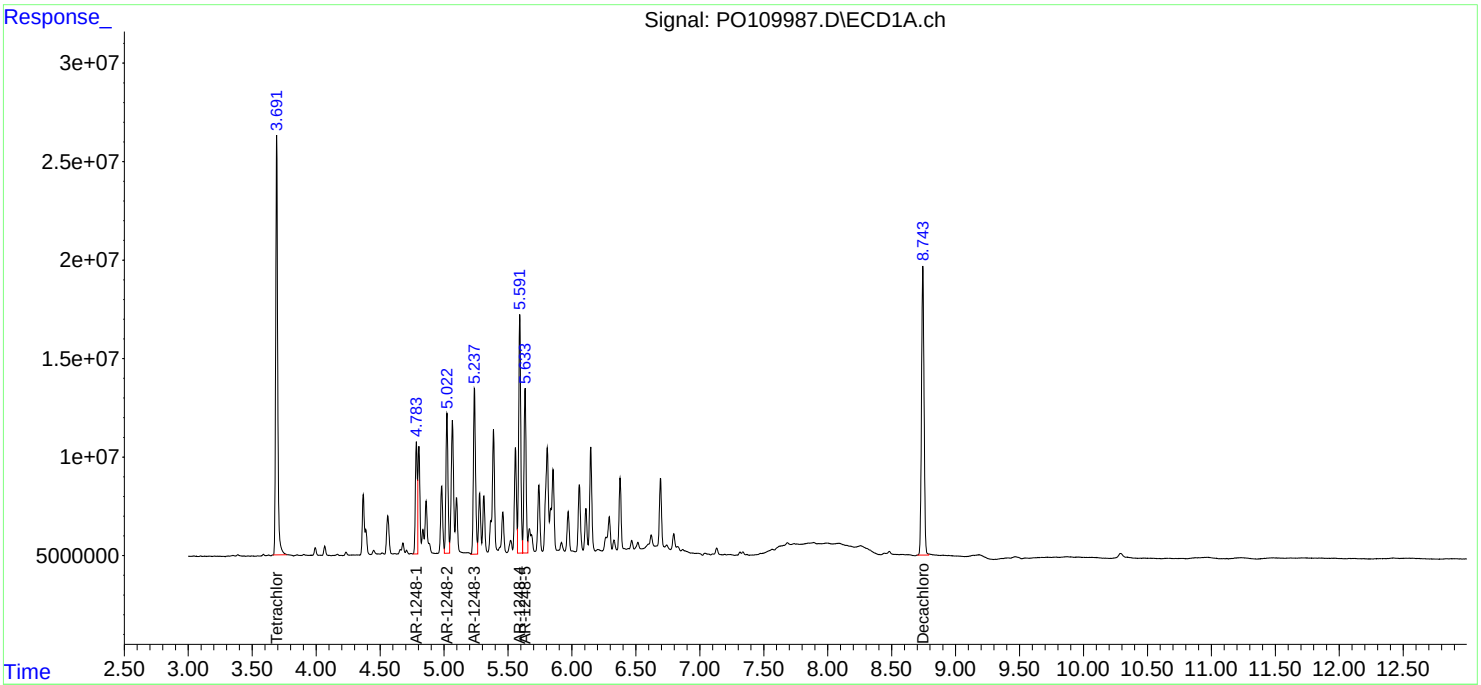
ICAL Form

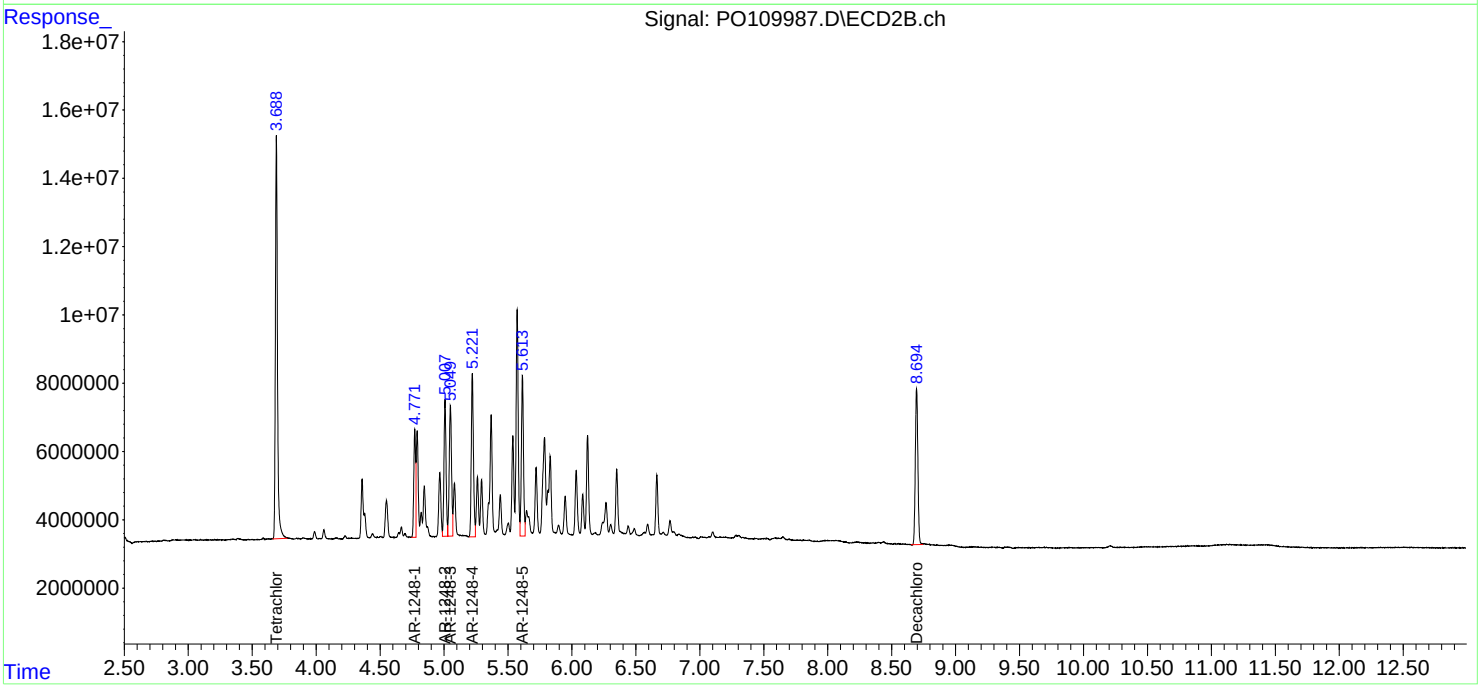
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:37
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

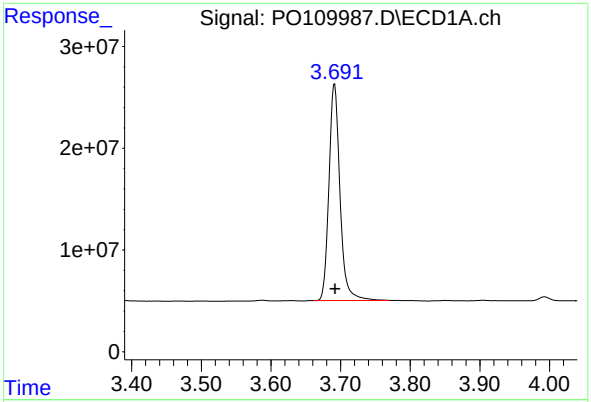
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



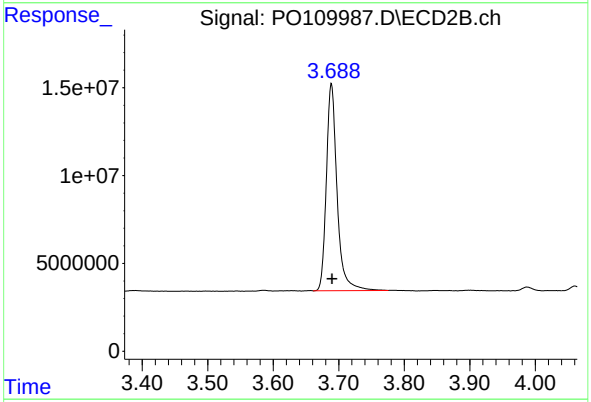






#1 Tetrachloro-m-xylene

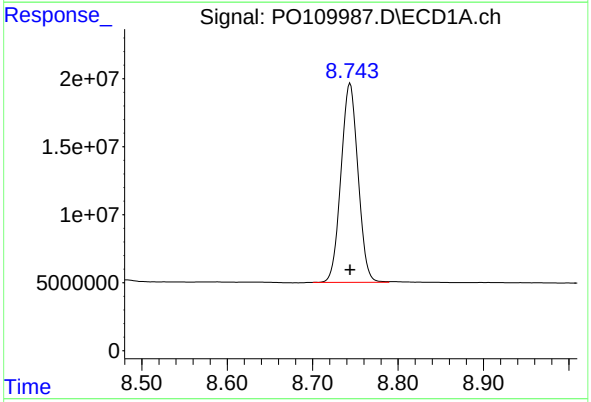
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 234365223
Conc: 25.27 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250



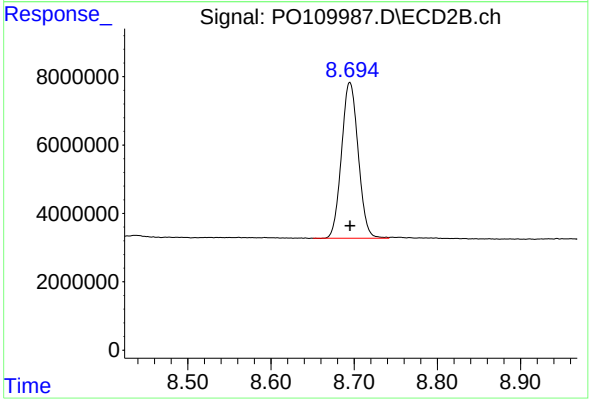

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 134173646
Conc: 25.34 ng/ml



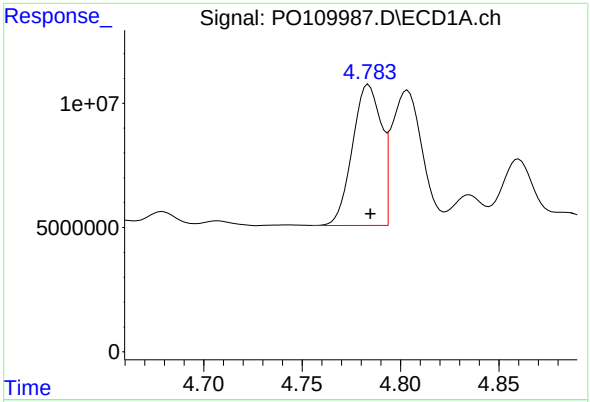

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 202795797
Conc: 26.02 ng/ml




#2 Decachlorobiphenyl

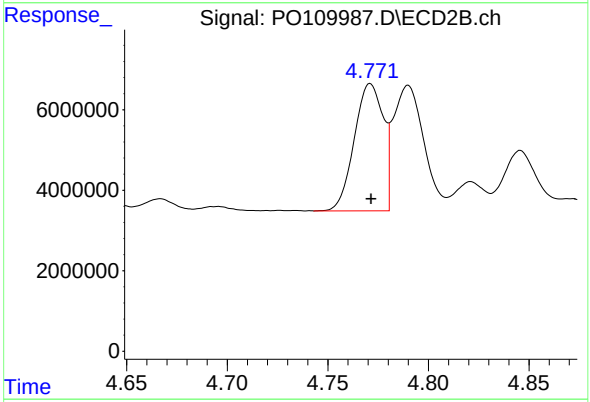
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 63399780
Conc: 27.04 ng/ml




#21 AR-1248-1

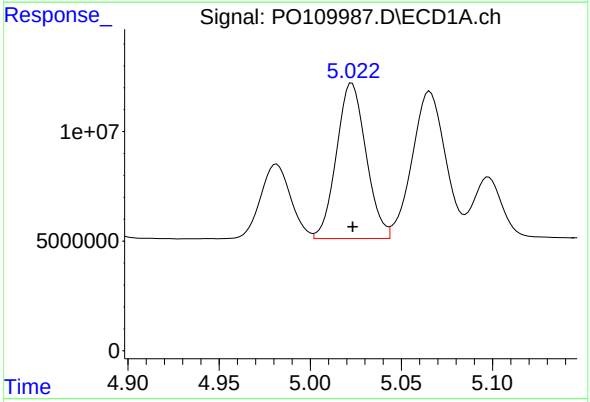
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 57869632
Conc: 263.11 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250



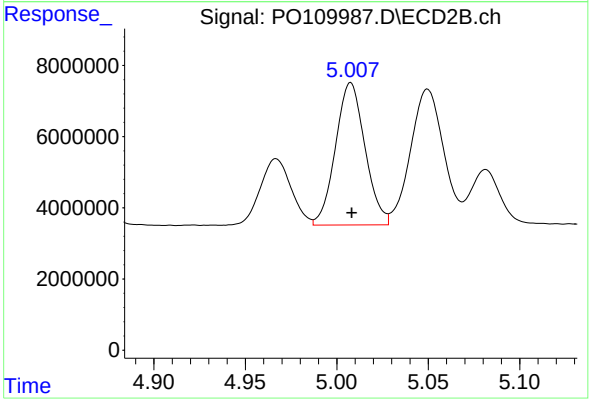

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 31675925
Conc: 263.26 ng/ml



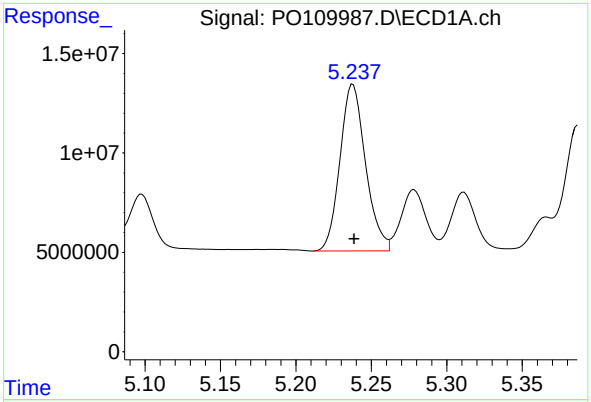

#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 80049855
Conc: 265.89 ng/ml




#22 AR-1248-2

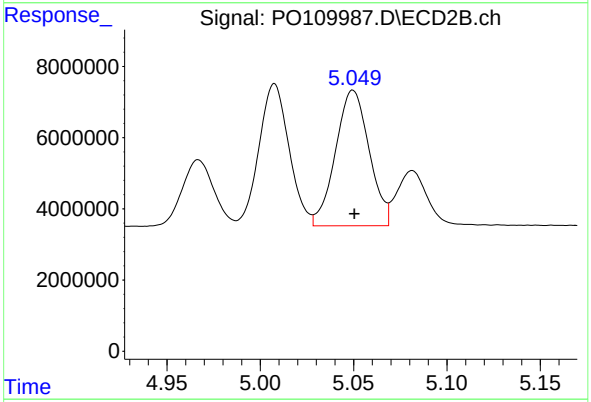
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 44958781
Conc: 266.79 ng/ml




#23 AR-1248-3

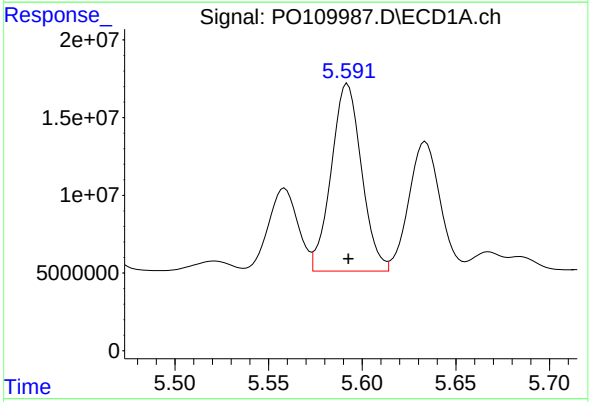
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 98806066
Conc: 263.90 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250



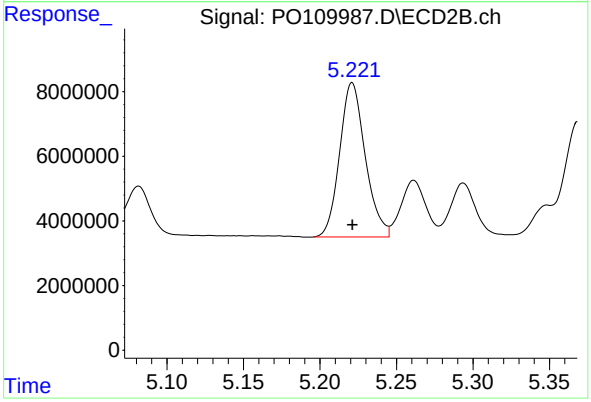

#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 47928872
Conc: 267.60 ng/ml



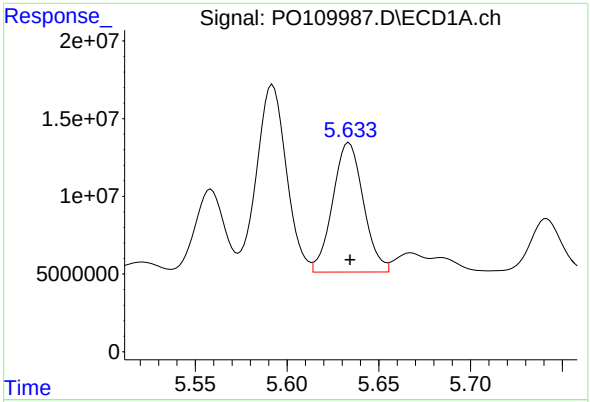

#24 AR-1248-4

R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 135956218
Conc: 259.82 ng/ml




#24 AR-1248-4

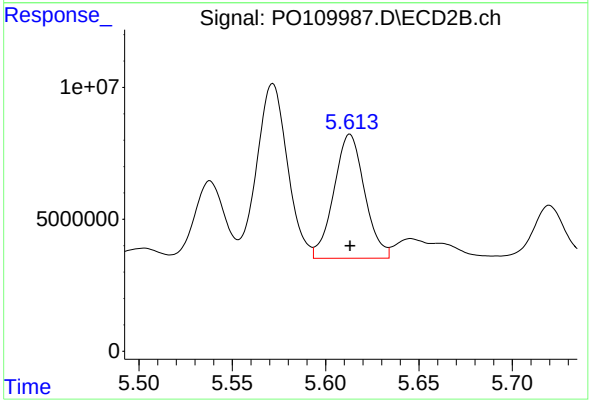
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 55764342
Conc: 267.37 ng/ml




#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 96853624
Conc: 261.96 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250




#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 53959011
Conc: 264.93 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

**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 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.690 | 3.689 | 43788277 | 25352976 | 4.721 | 4.788 |
| 2) | SA Decachlor... | 8.742 | 8.695 | 41310164 | 13029410 | 5.300 | 5.557 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.782 | 4.771 | 11846805 | 6686511 | 53.863 | 55.572 |
| 22) | L5 AR-1248-2 | 5.021 | 5.008 | 16385888 | 9031427 | 54.426 | 53.593 |
| 23) | L5 AR-1248-3 | 5.235 | 5.050 | 19860582 | 10026048 | 53.045m | 55.979 |
| 24) | L5 AR-1248-4 | 5.591 | 5.221 | 29227773 | 11398927 | 55.856 | 54.653m |
| 25) | L5 AR-1248-5 | 5.632 | 5.613 | 20545156 | 11669383 | 55.569 | 57.295 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

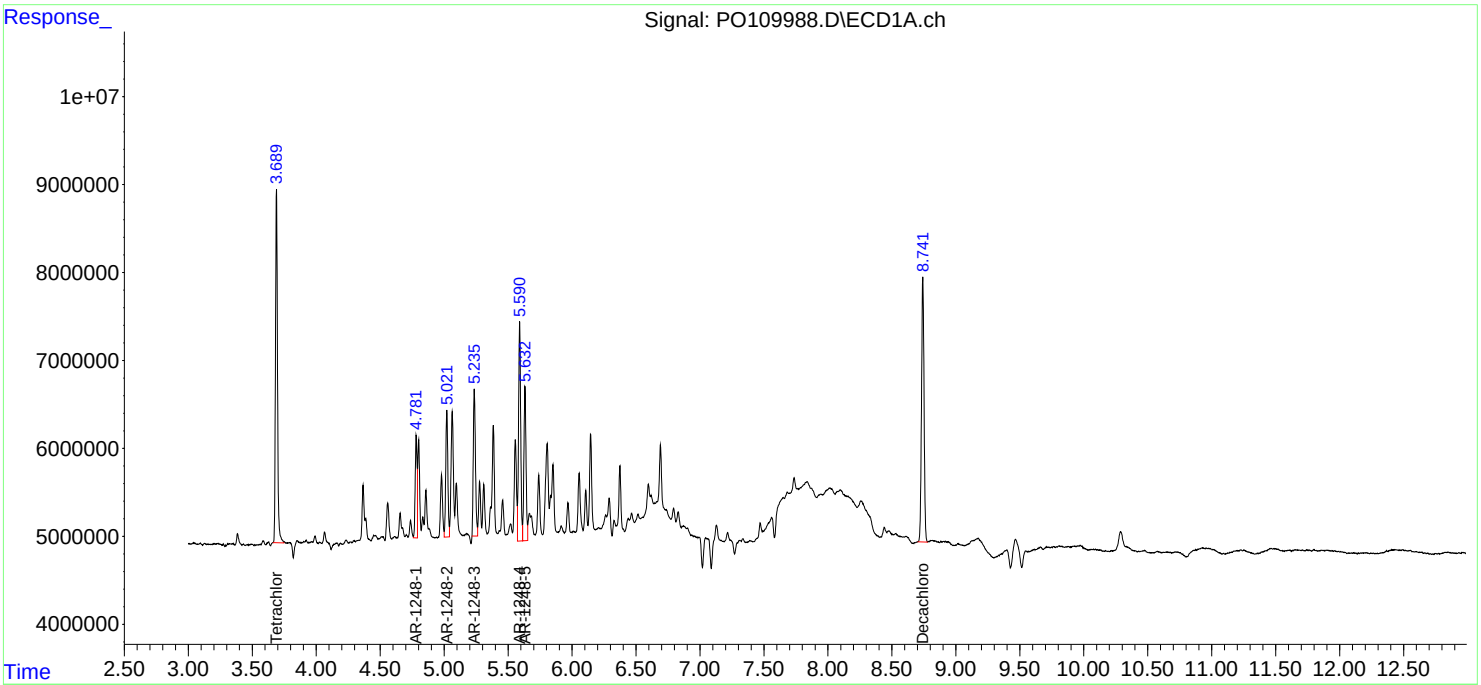
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

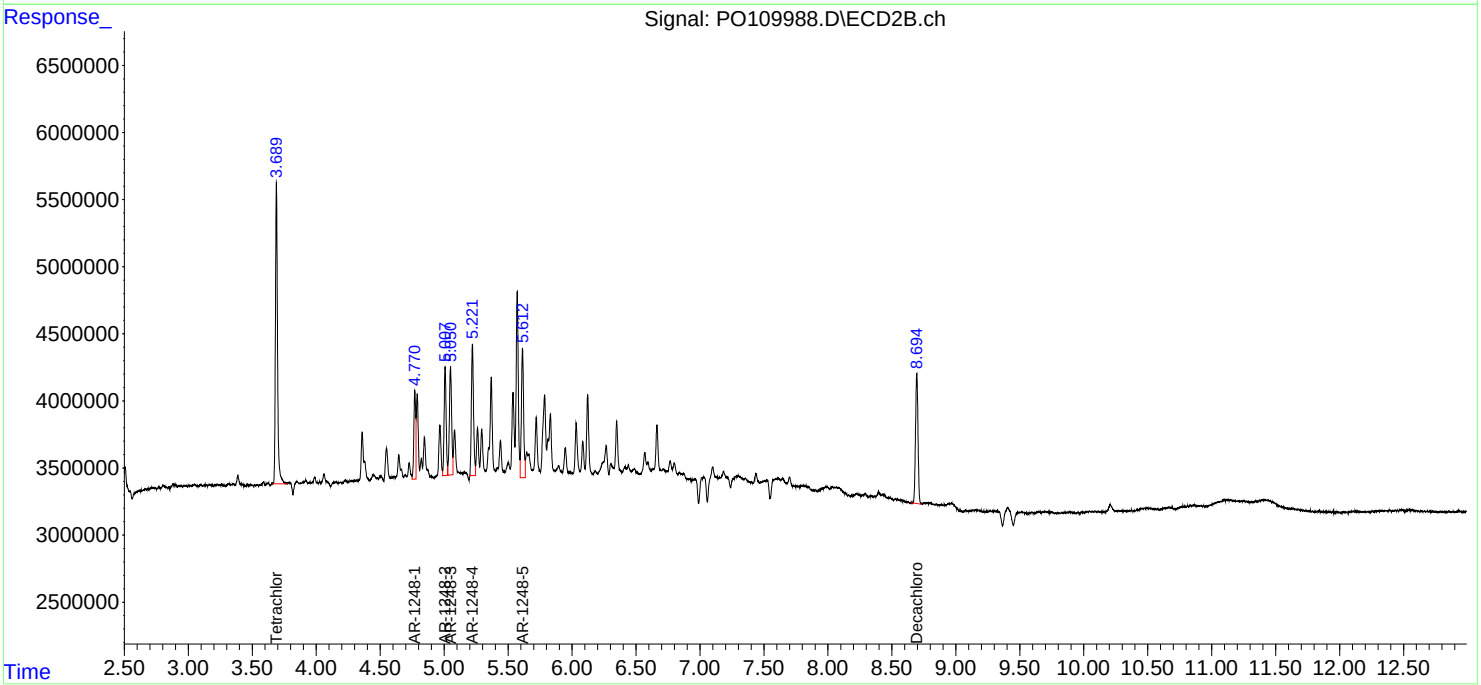
**Manual Integrations APPROVED**

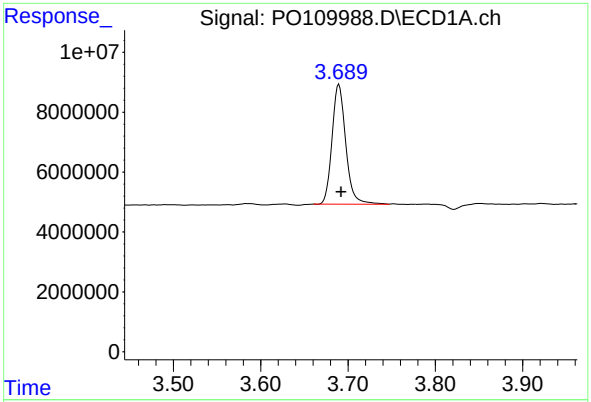
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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





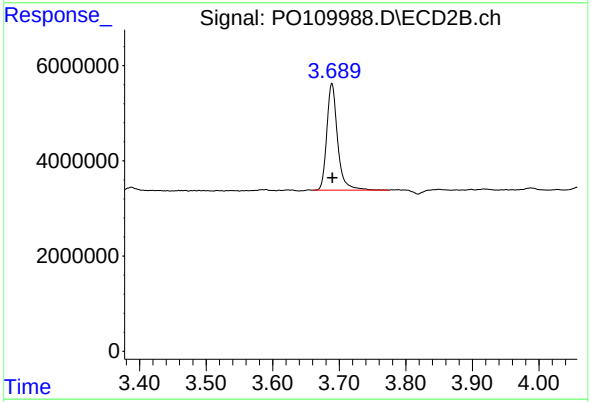

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 43788277
Conc: 4.72 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

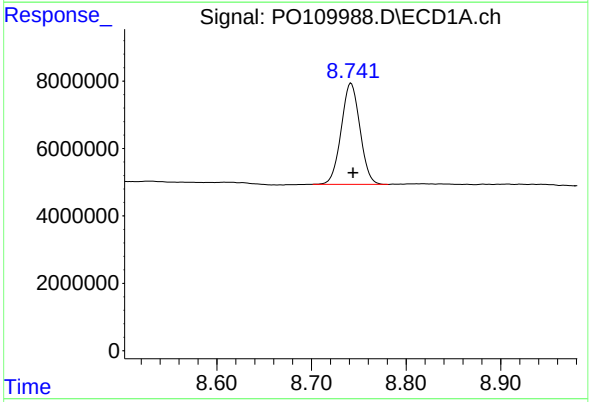
**Manual Integrations APPROVED**

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



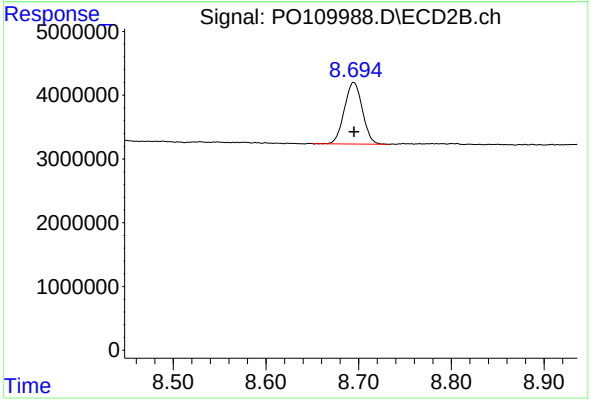

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25352976
Conc: 4.79 ng/ml



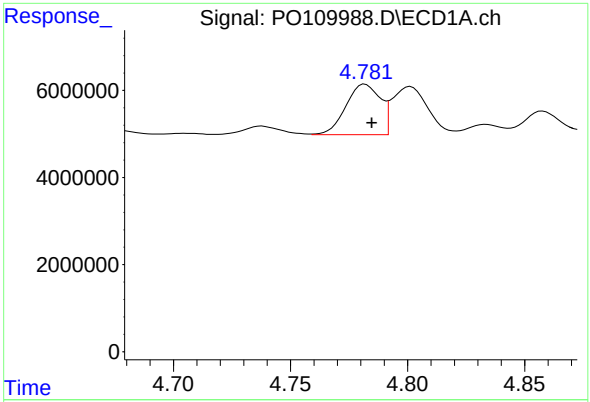

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.002 min
Response: 41310164
Conc: 5.30 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 13029410
Conc: 5.56 ng/ml



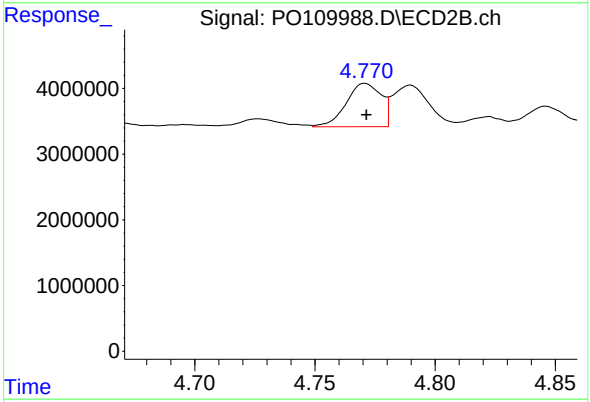

#21 AR-1248-1

R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 11846805
Conc: 53.86 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

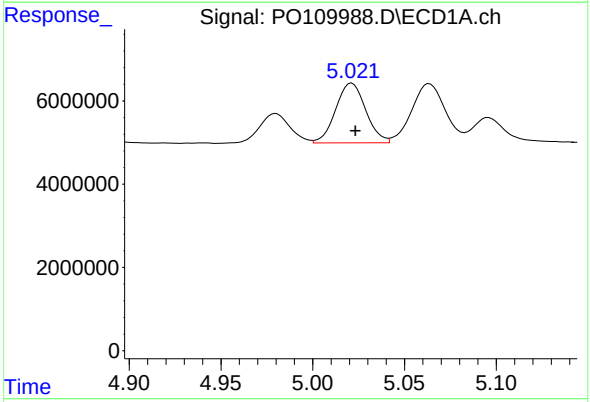
**Manual Integrations APPROVED**

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



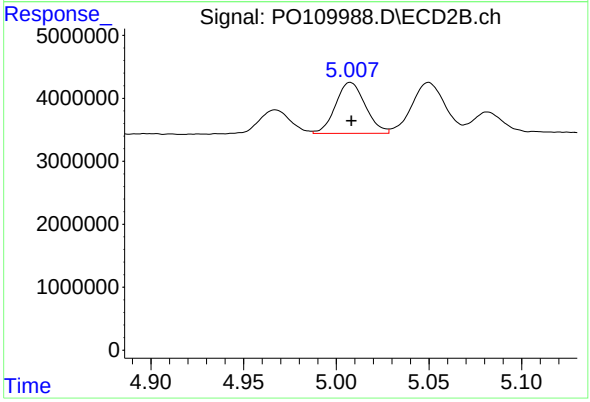

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 6686511
Conc: 55.57 ng/ml



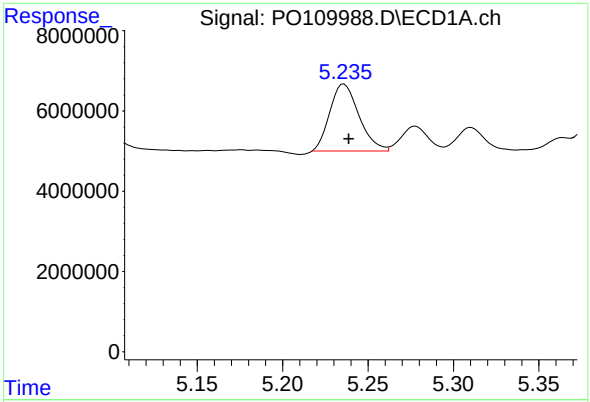

#22 AR-1248-2

R.T.: 5.021 min
Delta R.T.: -0.002 min
Response: 16385888
Conc: 54.43 ng/ml




#22 AR-1248-2

R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 9031427
Conc: 53.59 ng/ml



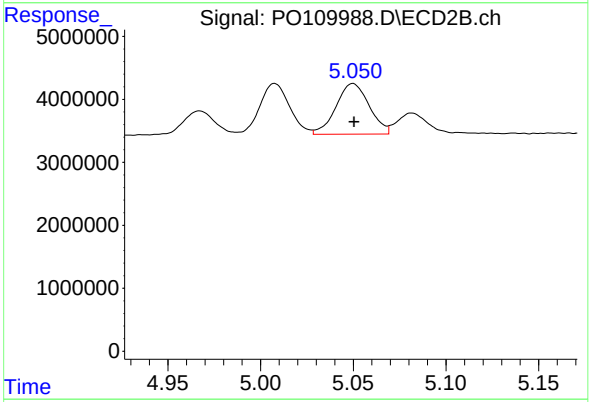

#23 AR-1248-3

R.T.: 5.235 min
Delta R.T.: -0.003 min
Response: 19860582
Conc: 53.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

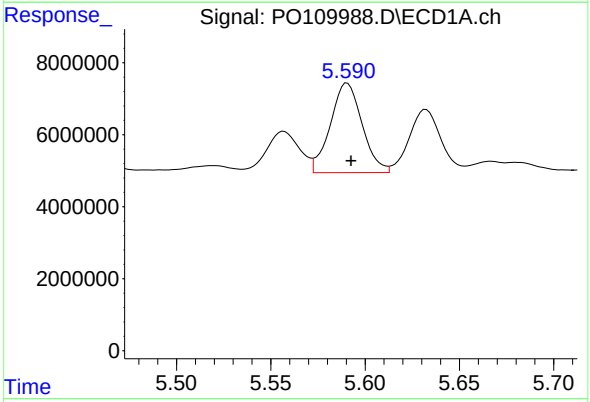
**Manual Integrations APPROVED**

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



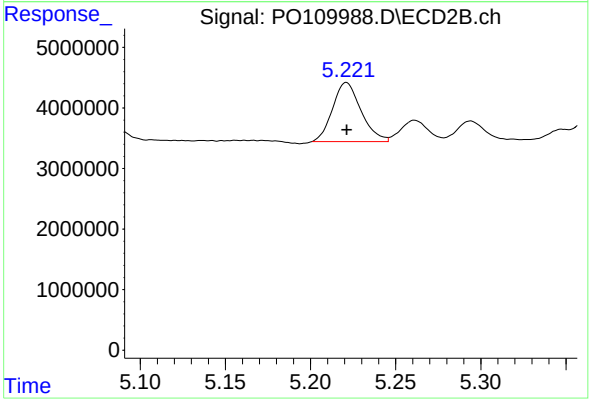

#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 10026048
Conc: 55.98 ng/ml



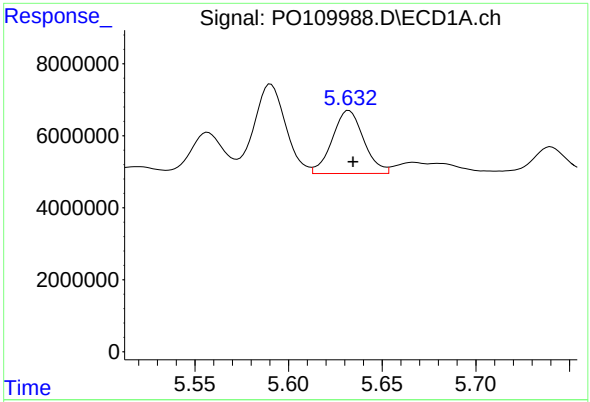

#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.002 min
Response: 29227773
Conc: 55.86 ng/ml




#24 AR-1248-4

R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 11398927
Conc: 54.65 ng/ml m



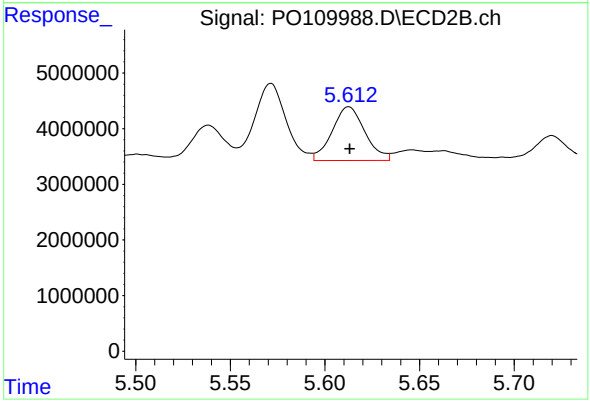

#25 AR-1248-5

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 20545156
Conc: 55.57 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

**Manual Integrations**
**APPROVED**

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




#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 11669383
Conc: 57.30 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:13
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.690 | 912.4E6 | 520.8E6 | 97.196 | 97.394 |
| 2) | SA Decachlor... | 8.744 | 8.694 | 750.7E6 | 219.7E6 | 95.415 | 90.831 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.593 | 5.573 | 527.5E6 | 289.8E6 | 943.049 | 941.799 |
| 27) | L6 AR-1254-2 | 5.742 | 5.721 | 454.9E6 | 250.7E6 | 940.470 | 933.876 |
| 28) | L6 AR-1254-3 | 6.147 | 6.123 | 753.6E6 | 402.2E6 | 954.831 | 954.778 |
| 29) | L6 AR-1254-4 | 6.376 | 6.351 | 465.4E6 | 231.8E6 | 956.772 | 948.684 |
| 30) | L6 AR-1254-5 | 6.797 | 6.768 | 652.0E6 | 329.3E6 | 958.152 | 944.466 |

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

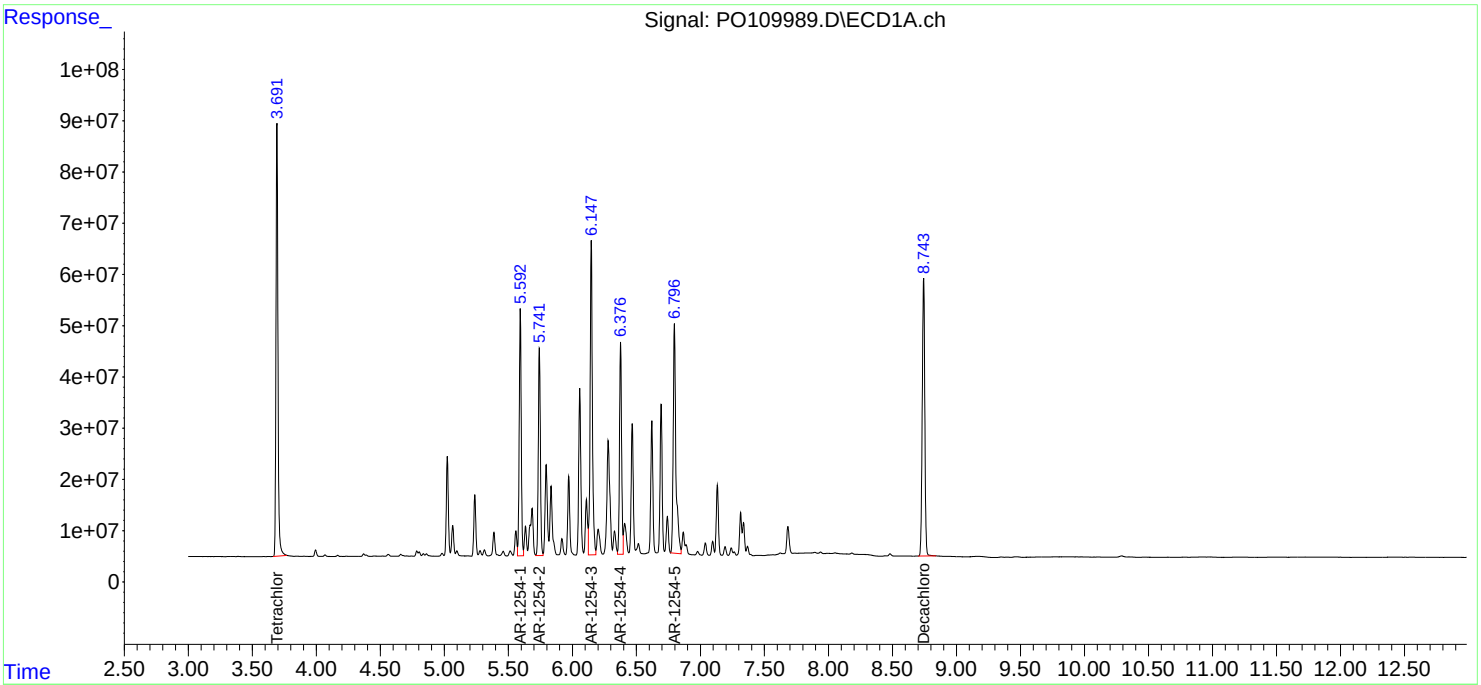
ICAL Form

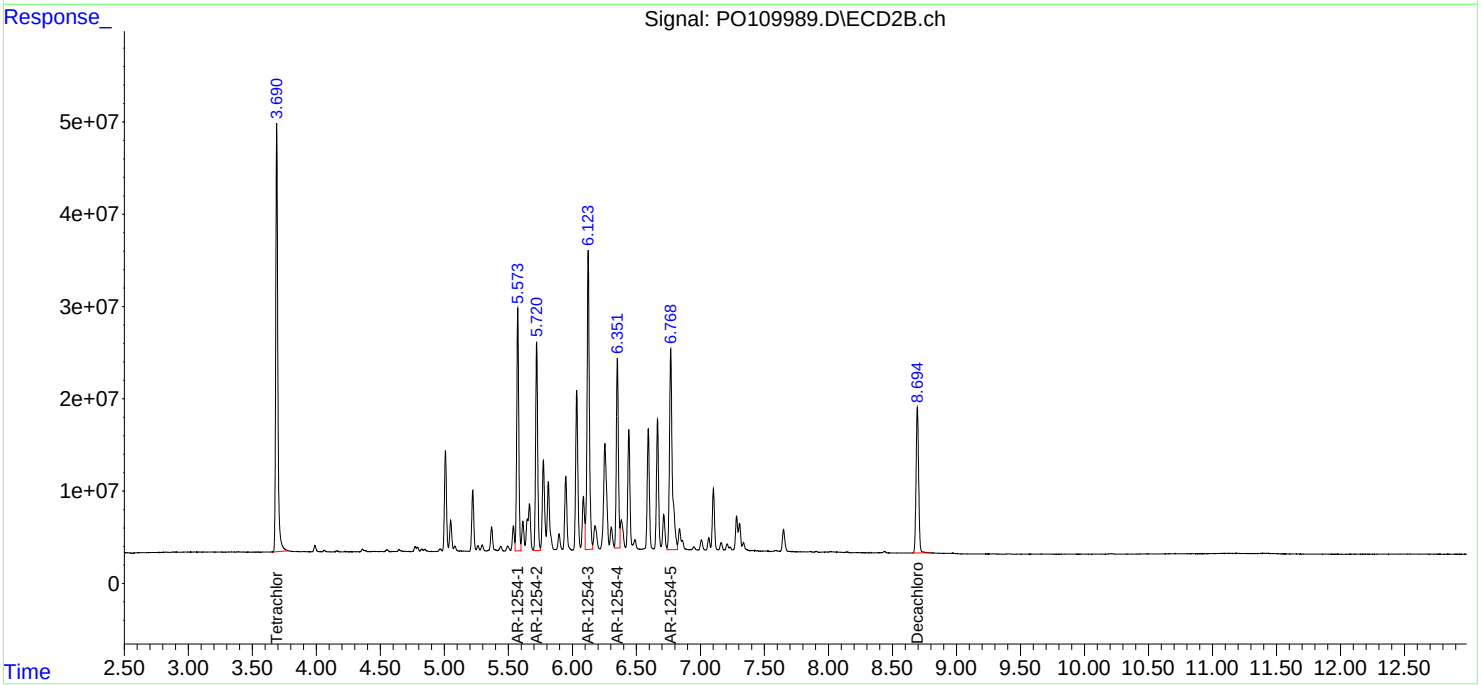
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109989.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:13
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

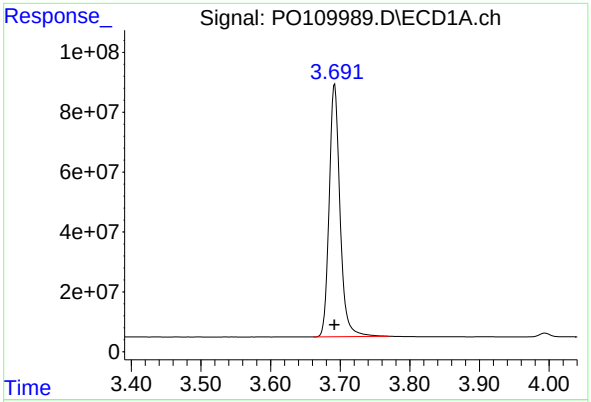
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



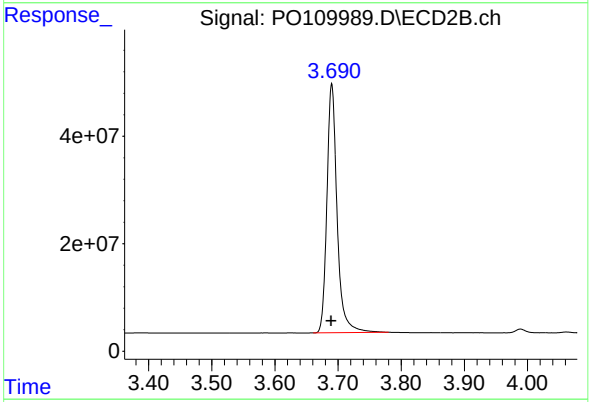






#1 Tetrachloro-m-xylene

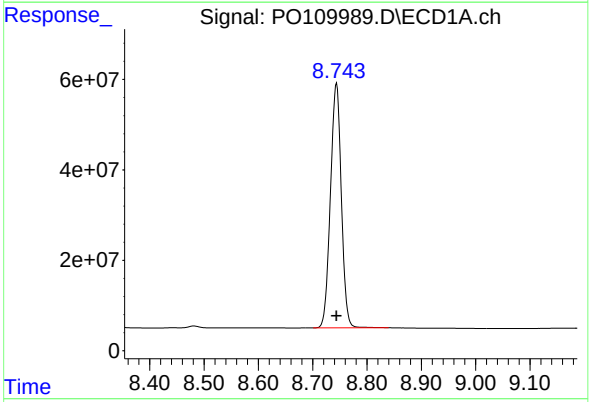
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 912401749
Conc: 97.20 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000



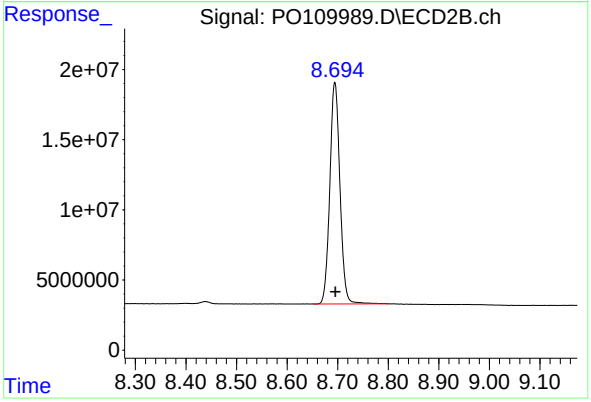

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 520755645
Conc: 97.39 ng/ml



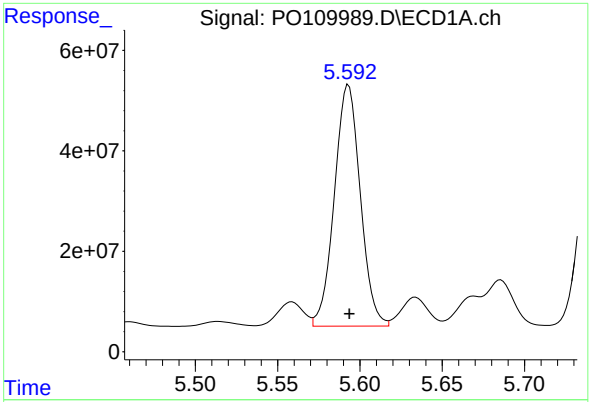

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 750657739
Conc: 95.42 ng/ml




#2 Decachlorobiphenyl

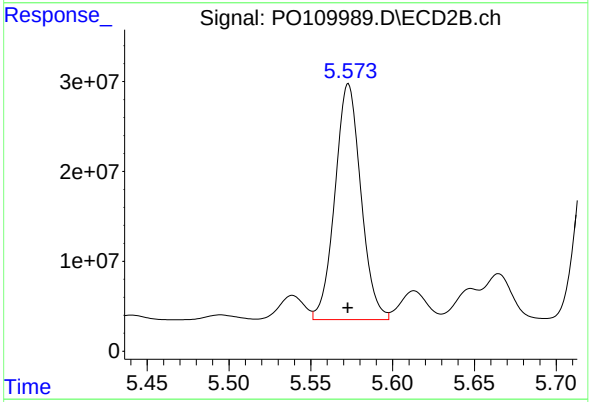
R.T.: 8.694 min
Delta R.T.: -0.001 min
Response: 219680790
Conc: 90.83 ng/ml




#26 AR-1254-1

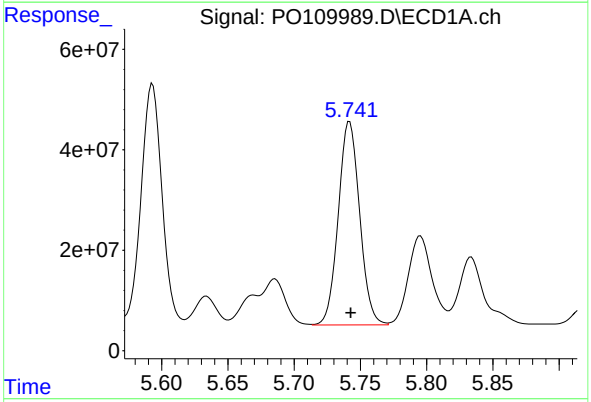
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 527461301
Conc: 943.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000



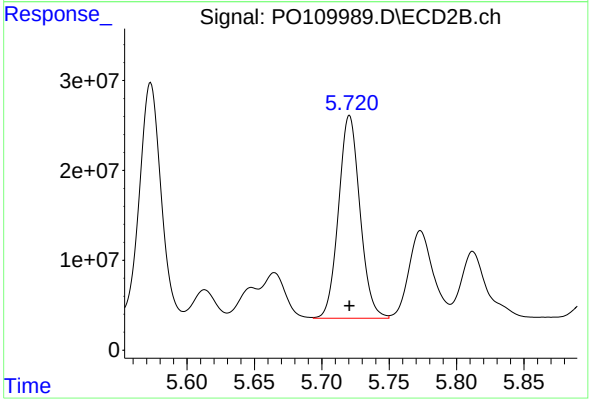

#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 289813236
Conc: 941.80 ng/ml



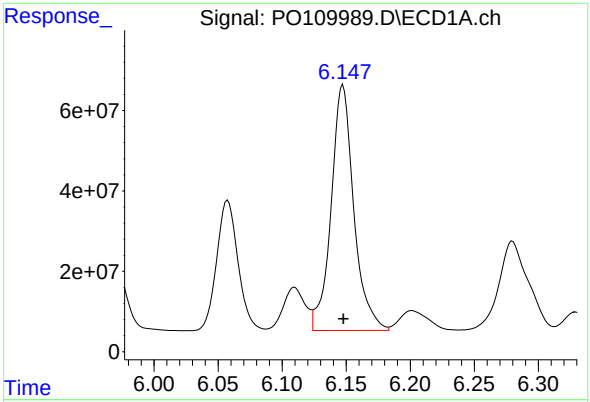

#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 454907170
Conc: 940.47 ng/ml




#27 AR-1254-2

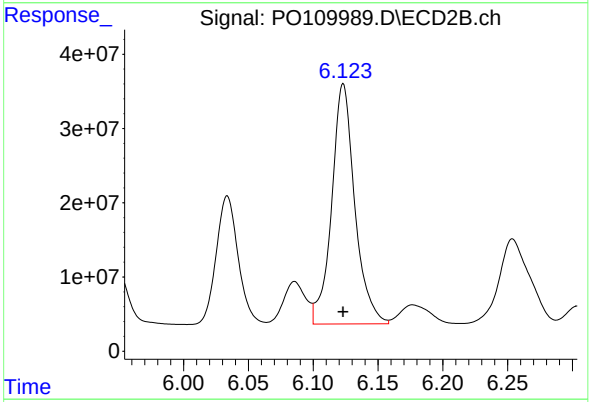
R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 250736607
Conc: 933.88 ng/ml




#28 AR-1254-3

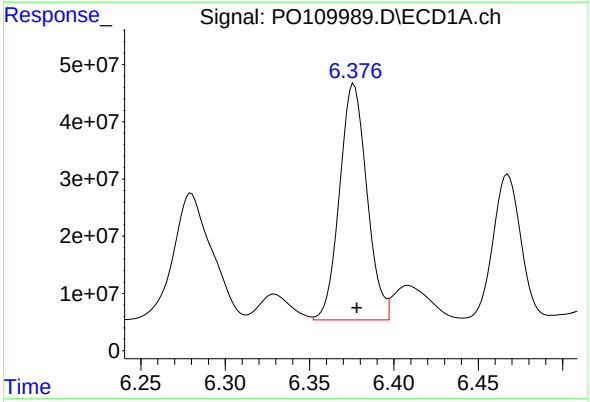
R.T.: 6.147 min
Delta R.T.: 0.000 min
Response: 753626169
Conc: 954.83 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000



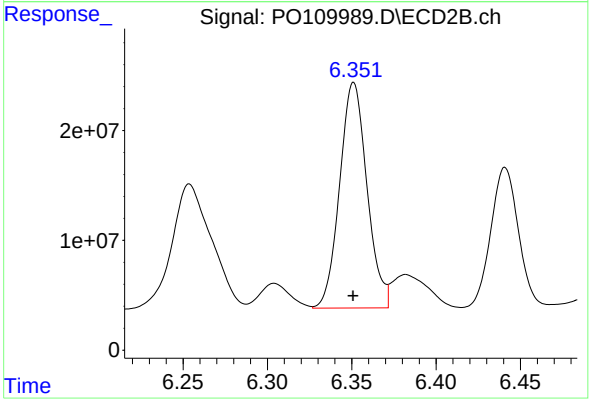

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 402159669
Conc: 954.78 ng/ml



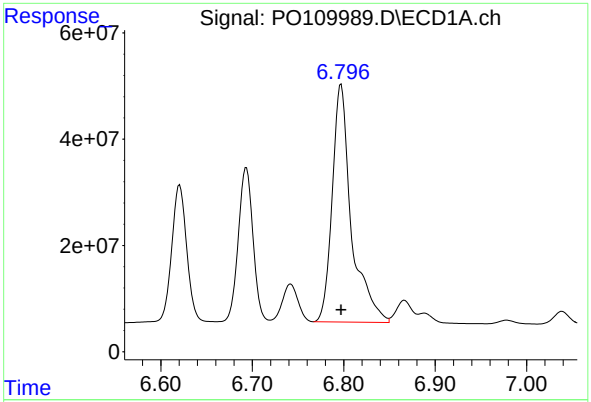

#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.002 min
Response: 465418236
Conc: 956.77 ng/ml




#29 AR-1254-4

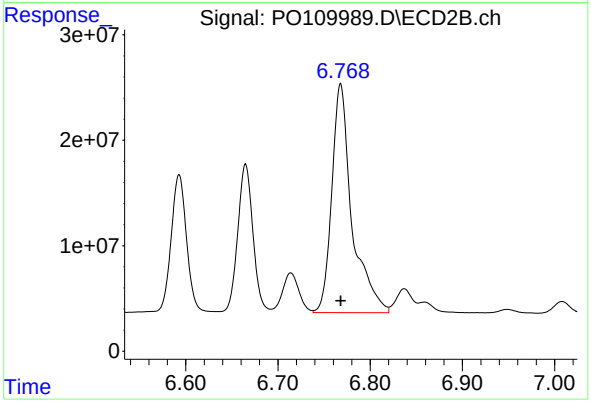
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 231846868
Conc: 948.68 ng/ml




#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 652046620
Conc: 958.15 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 329301884
Conc: 944.47 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:31
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.689 | 694.8E6 | 396.7E6 | 74.017 | 74.184 |
| 2) | SA Decachlor... | 8.742 | 8.695 | 579.2E6 | 170.7E6 | 73.621 | 70.591 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.593 | 5.572 | 406.4E6 | 224.1E6 | 726.602 | 728.104 |
| 27) | L6 AR-1254-2 | 5.742 | 5.720 | 351.8E6 | 194.7E6 | 727.216 | 725.242 |
| 28) | L6 AR-1254-3 | 6.148 | 6.122 | 579.5E6 | 310.1E6 | 734.225 | 736.114 |
| 29) | L6 AR-1254-4 | 6.376 | 6.350 | 358.3E6 | 178.4E6 | 736.667 | 729.972 |
| 30) | L6 AR-1254-5 | 6.796 | 6.768 | 499.8E6 | 253.4E6 | 734.486 | 726.842 |

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

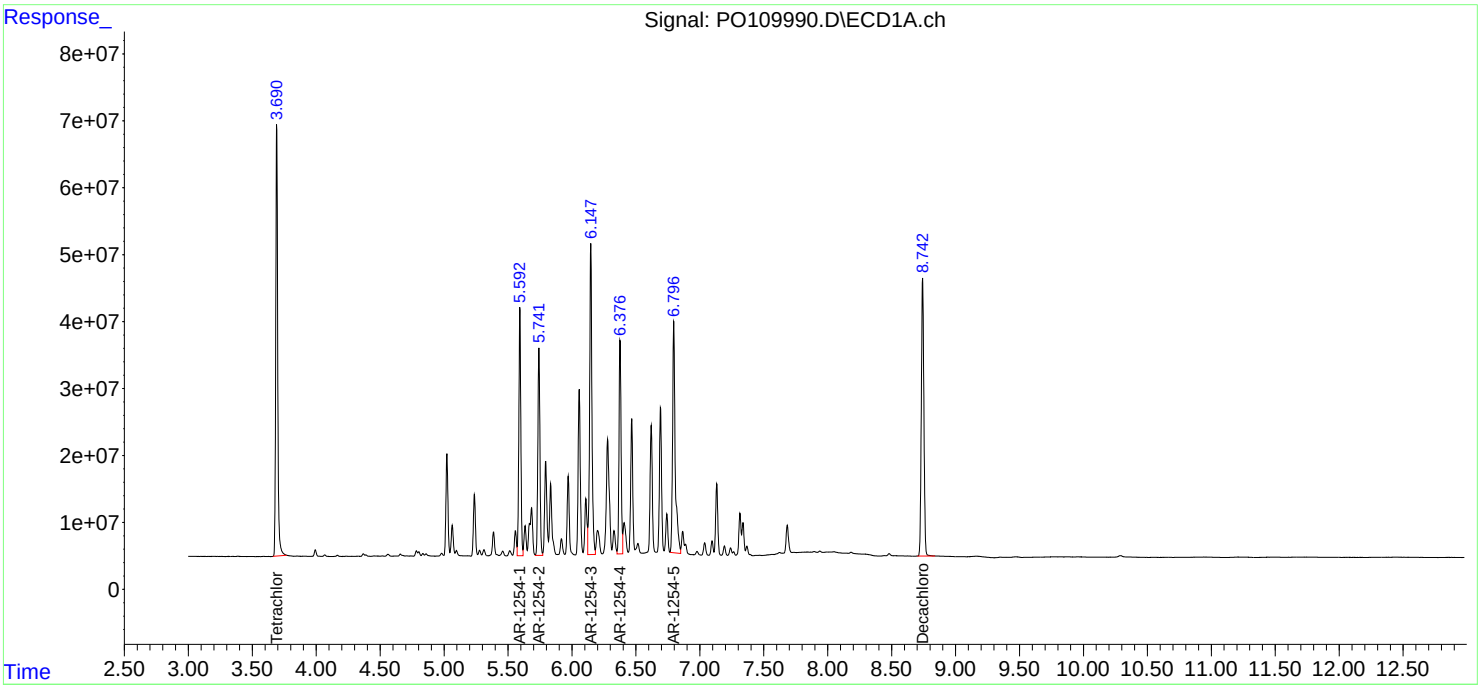
ICAL Form

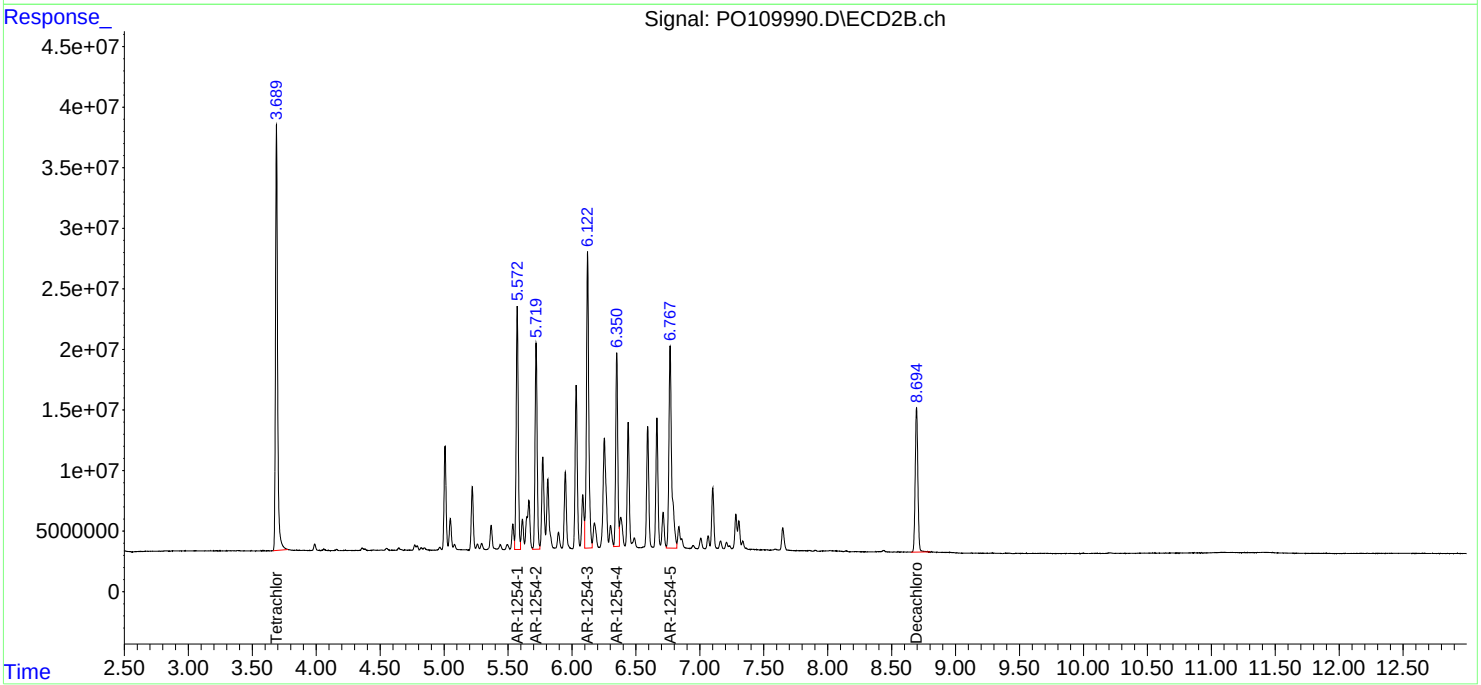
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109990.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:31
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

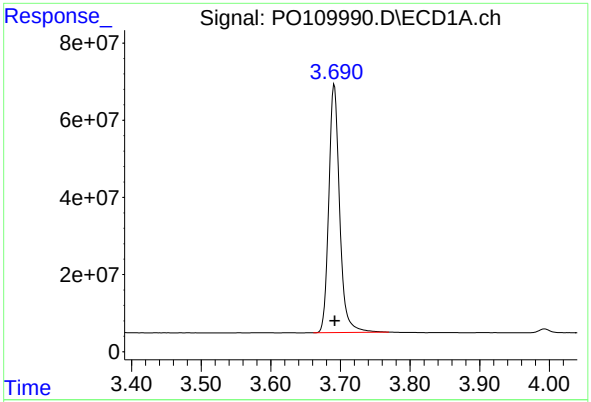
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:49:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



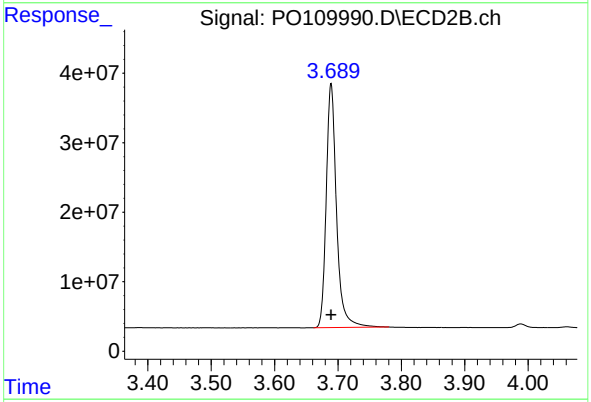






#1 Tetrachloro-m-xylene

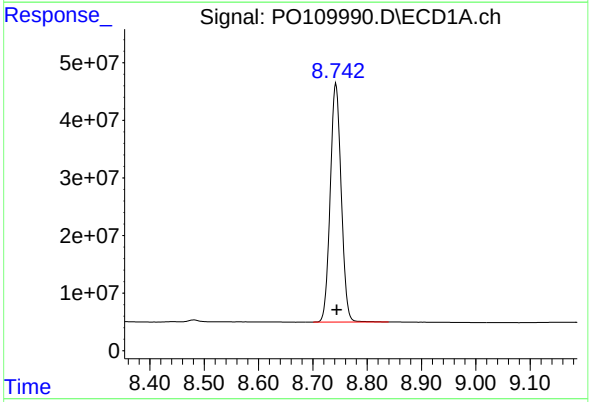
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 694816651
Conc: 74.02 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



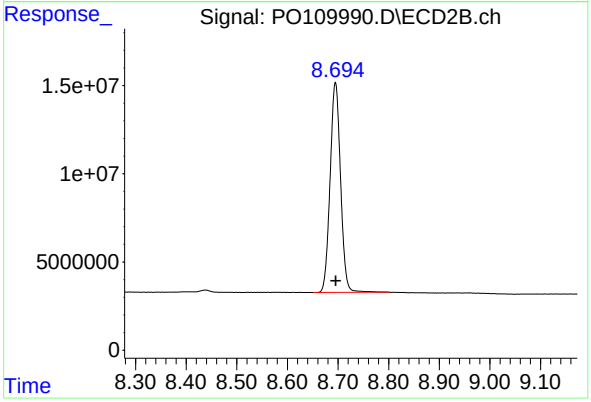

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 396654527
Conc: 74.18 ng/ml



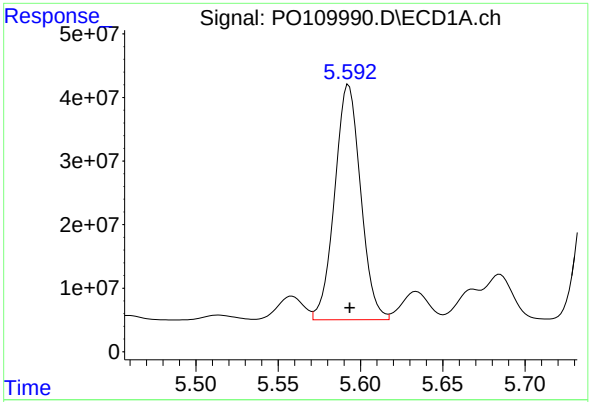

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.001 min
Response: 579195225
Conc: 73.62 ng/ml




#2 Decachlorobiphenyl

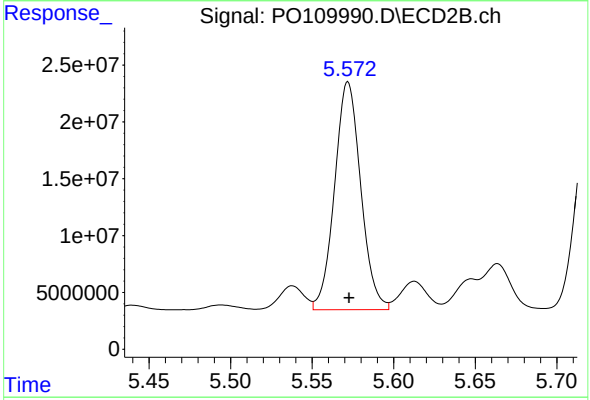
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 170728292
Conc: 70.59 ng/ml




#26 AR-1254-1

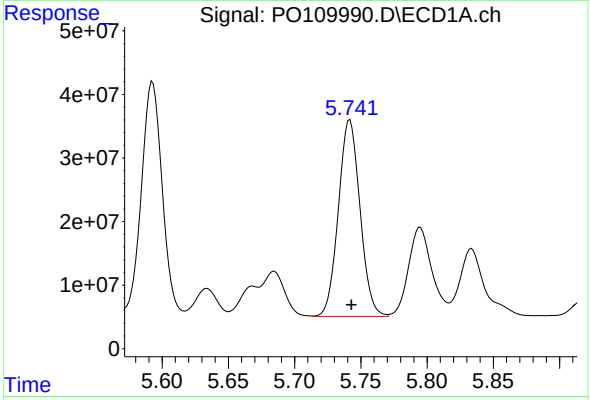
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 406399307
Conc: 726.60 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



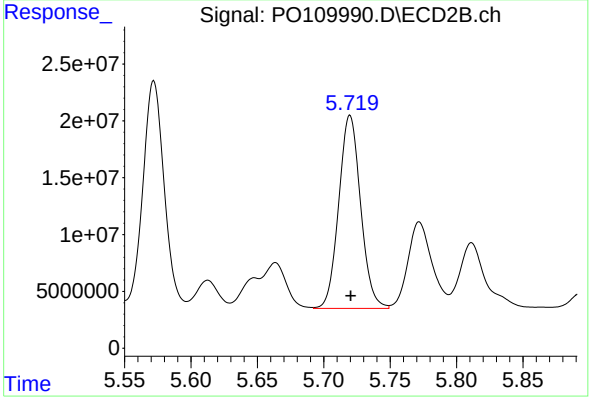

#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 224054374
Conc: 728.10 ng/ml



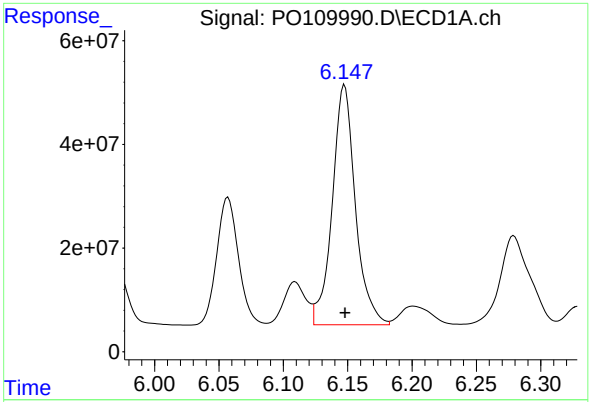

#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: -0.001 min
Response: 351755893
Conc: 727.22 ng/ml




#27 AR-1254-2

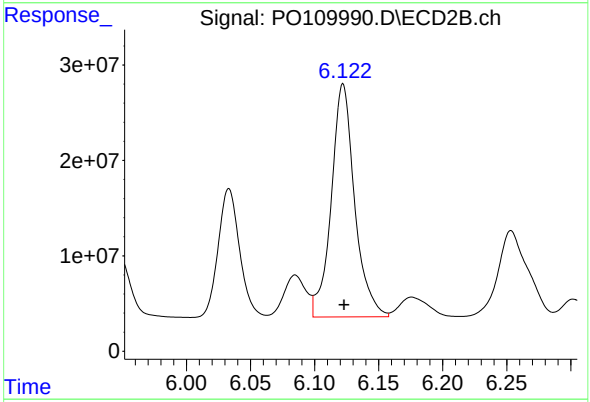
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 194720485
Conc: 725.24 ng/ml




#28 AR-1254-3

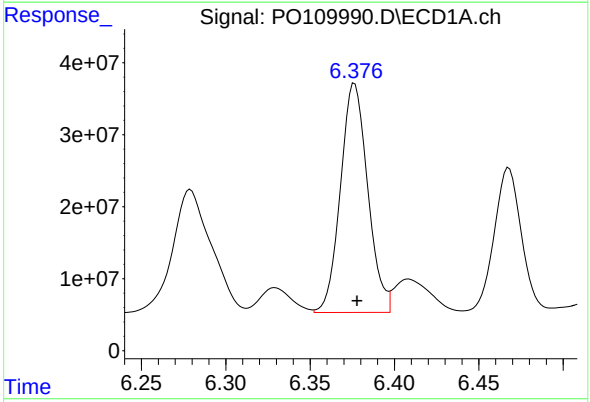
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 579506791
Conc: 734.22 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



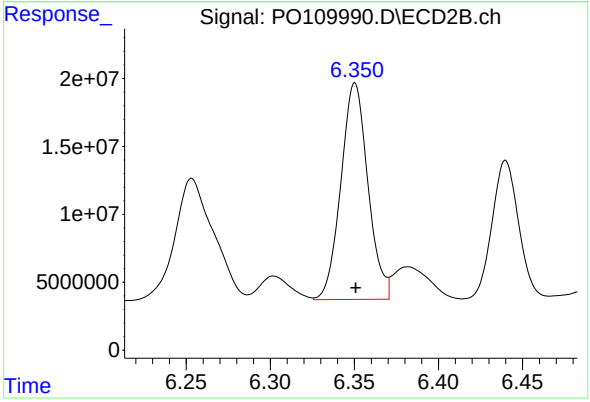

#28 AR-1254-3

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 310056844
Conc: 736.11 ng/ml



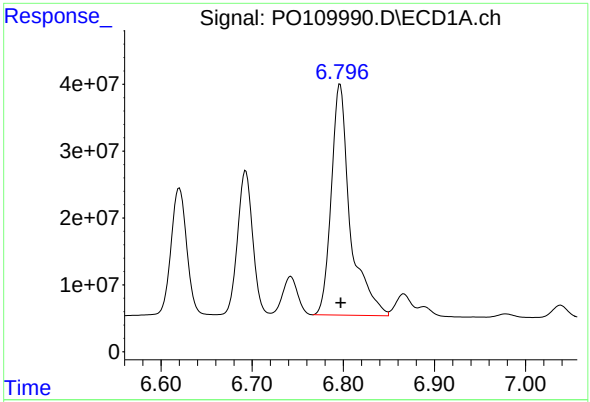

#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.001 min
Response: 358349037
Conc: 736.67 ng/ml




#29 AR-1254-4

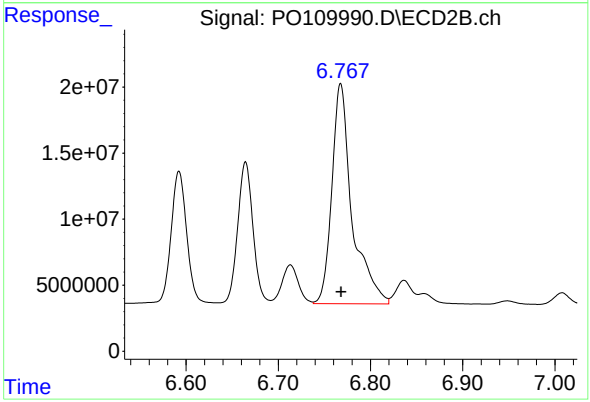
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 178396380
Conc: 729.97 ng/ml




#30 AR-1254-5

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 499835944
Conc: 734.49 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 253424010
Conc: 726.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:49
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 469.4E6 | 267.3E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 393.4E6 | 120.9E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.594 | 5.573 | 279.7E6 | 153.9E6 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 5.743 | 5.720 | 241.9E6 | 134.2E6 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 6.148 | 6.123 | 394.6E6 | 210.6E6 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 6.378 | 6.351 | 243.2E6 | 122.2E6 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 6.797 | 6.768 | 340.3E6 | 174.3E6 | 500.000 | 500.000 |

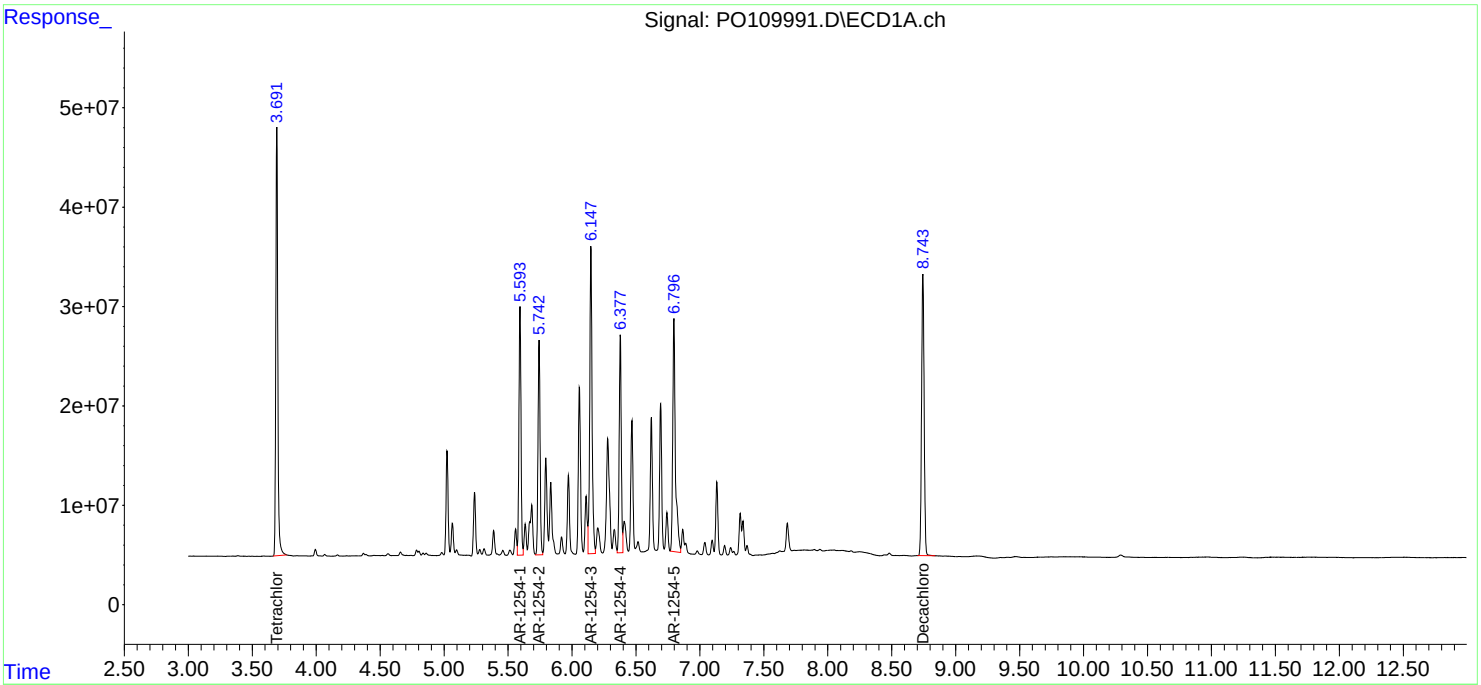
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

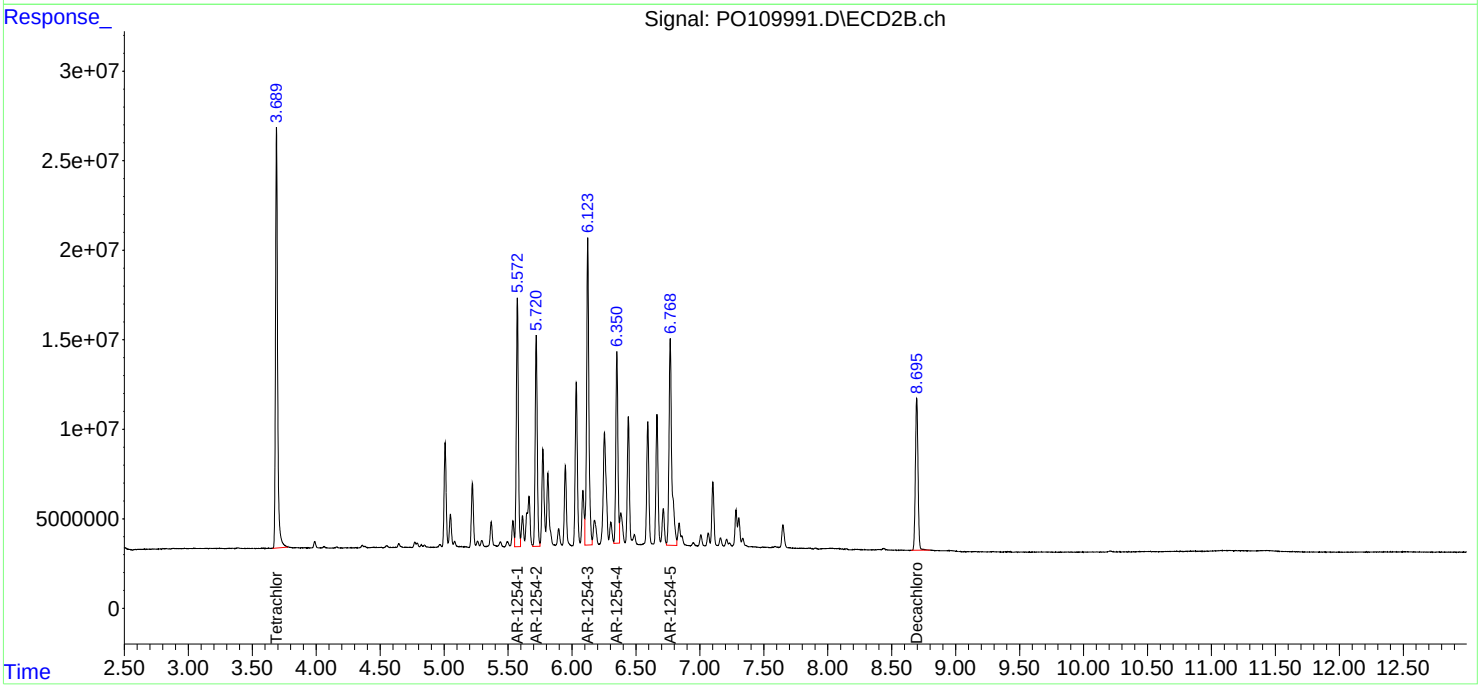
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109991.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 19:49
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

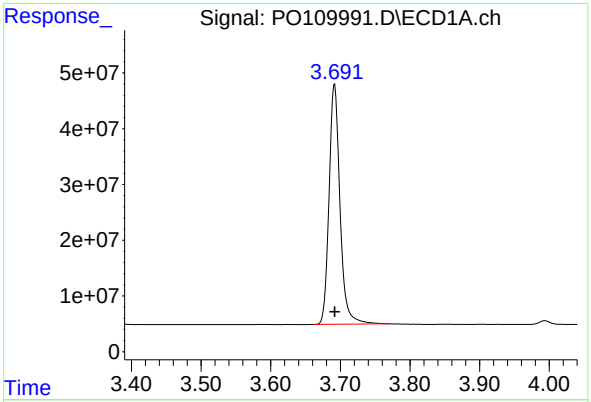
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



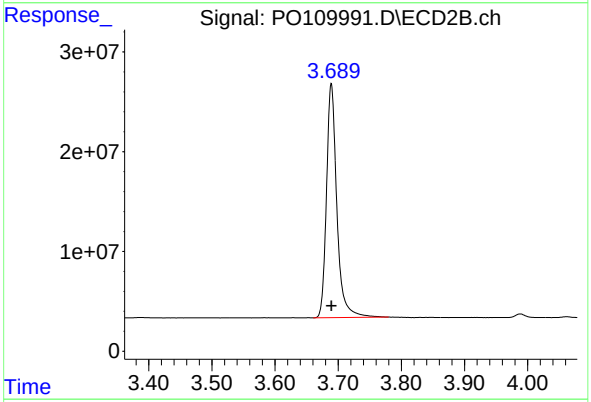






#1 Tetrachloro-m-xylene

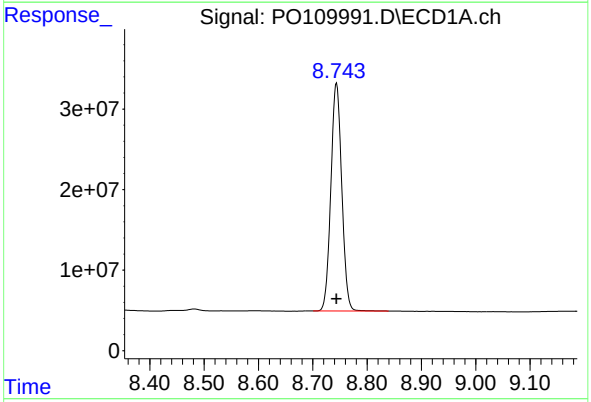
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 469362086
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



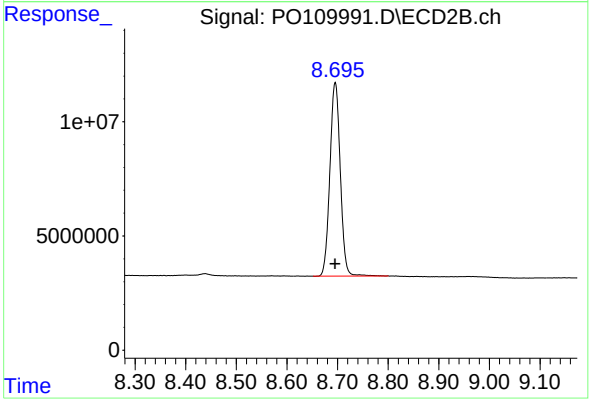

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 267345850
Conc: 50.00 ng/ml



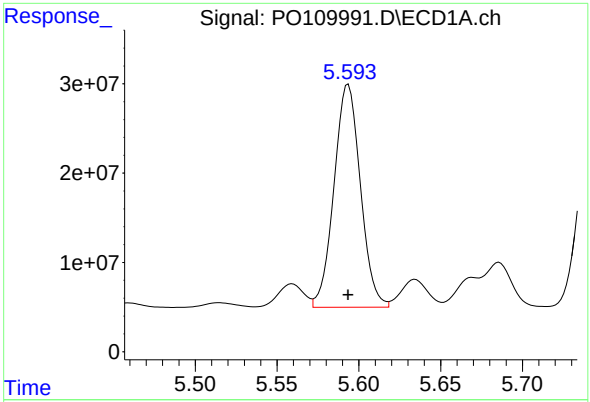

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 393362889
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

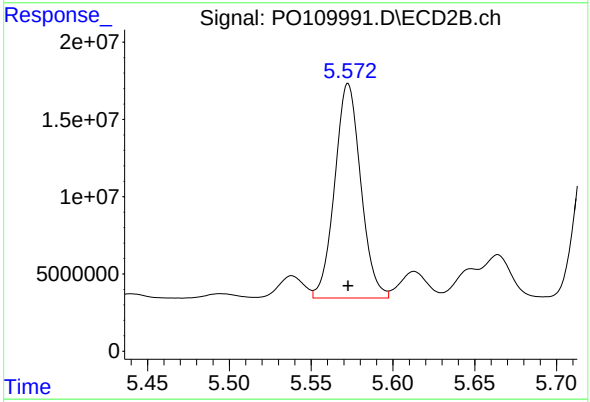
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 120928616
Conc: 50.00 ng/ml




#26 AR-1254-1

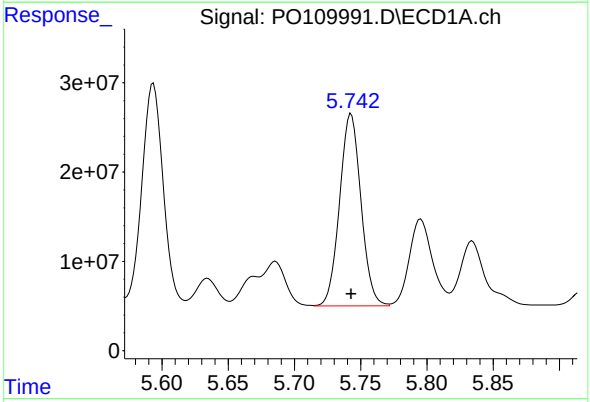
R.T.: 5.594 min
Delta R.T.: 0.000 min
Response: 279657443
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



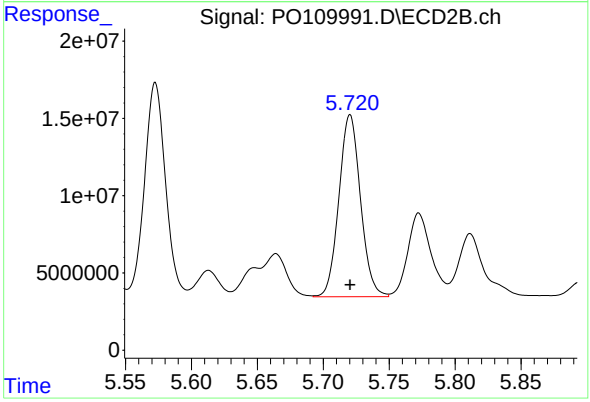

#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 153861440
Conc: 500.00 ng/ml



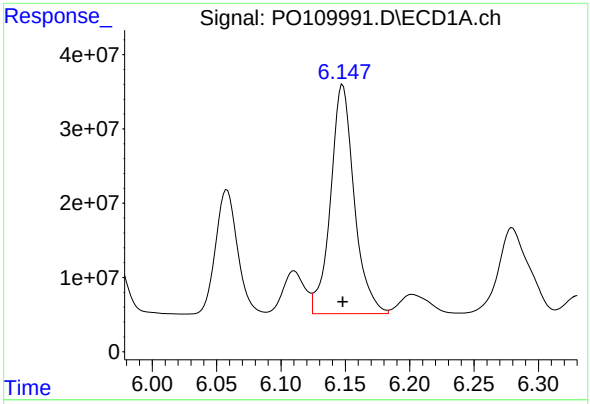

#27 AR-1254-2

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 241851007
Conc: 500.00 ng/ml




#27 AR-1254-2

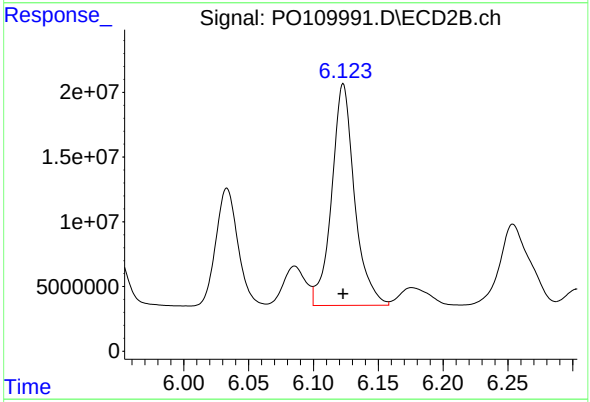
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 134245134
Conc: 500.00 ng/ml




#28 AR-1254-3

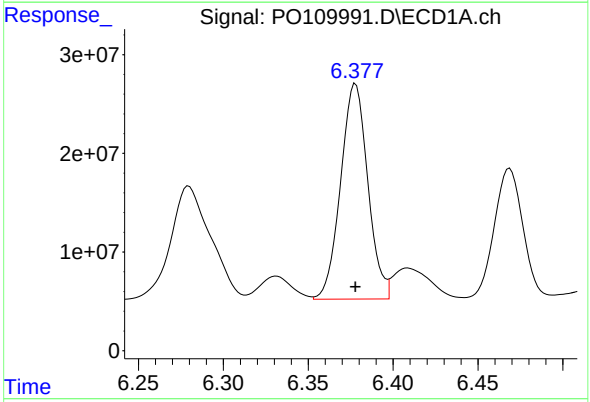
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 394638676
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



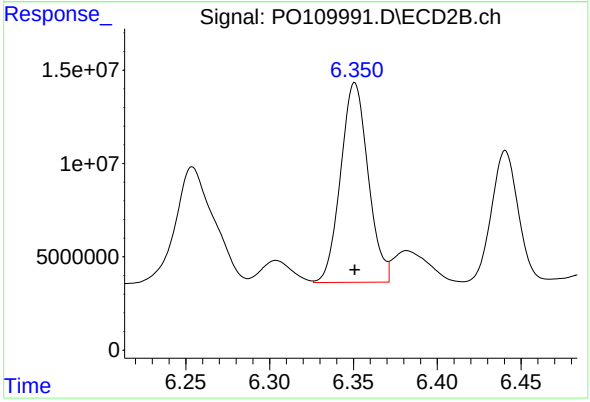

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 210603765
Conc: 500.00 ng/ml



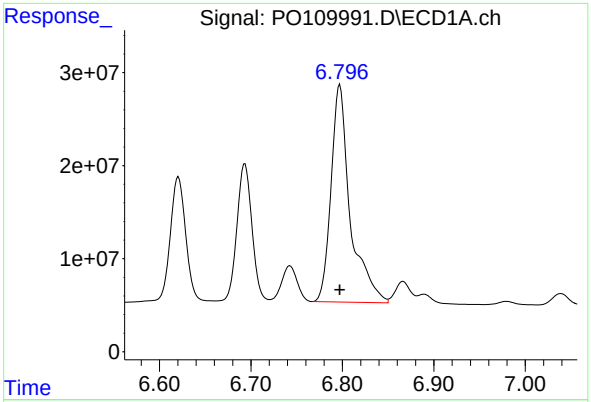

#29 AR-1254-4

R.T.: 6.378 min
Delta R.T.: 0.000 min
Response: 243223195
Conc: 500.00 ng/ml




#29 AR-1254-4

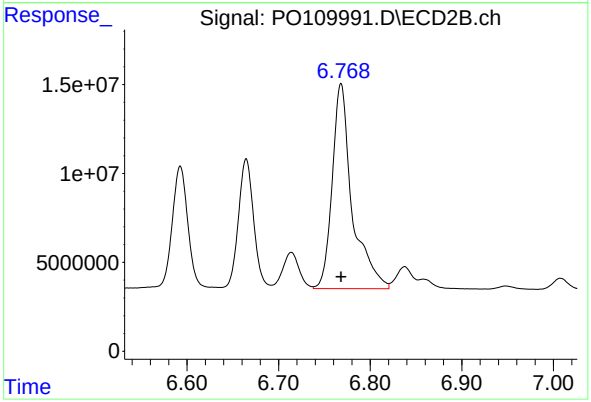
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 122193976
Conc: 500.00 ng/ml




#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 340262601
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 174332293
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:07
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.689 | 218.3E6 | 126.3E6 | 23.256 | 23.621 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 201.1E6 | 62915084 | 25.556 | 26.013 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.592 | 5.572 | 142.8E6 | 78551215 | 255.230 | 255.266 |
| 27) | L6 AR-1254-2 | 5.741 | 5.720 | 117.7E6 | 67765666 | 243.403 | 252.395 |
| 28) | L6 AR-1254-3 | 6.146 | 6.123 | 190.0E6 | 103.9E6 | 240.780 | 246.647 |
| 29) | L6 AR-1254-4 | 6.376 | 6.351 | 124.9E6 | 61546138 | 256.767 | 251.838 |
| 30) | L6 AR-1254-5 | 6.795 | 6.768 | 170.5E6 | 90324740 | 250.587 | 259.059 |

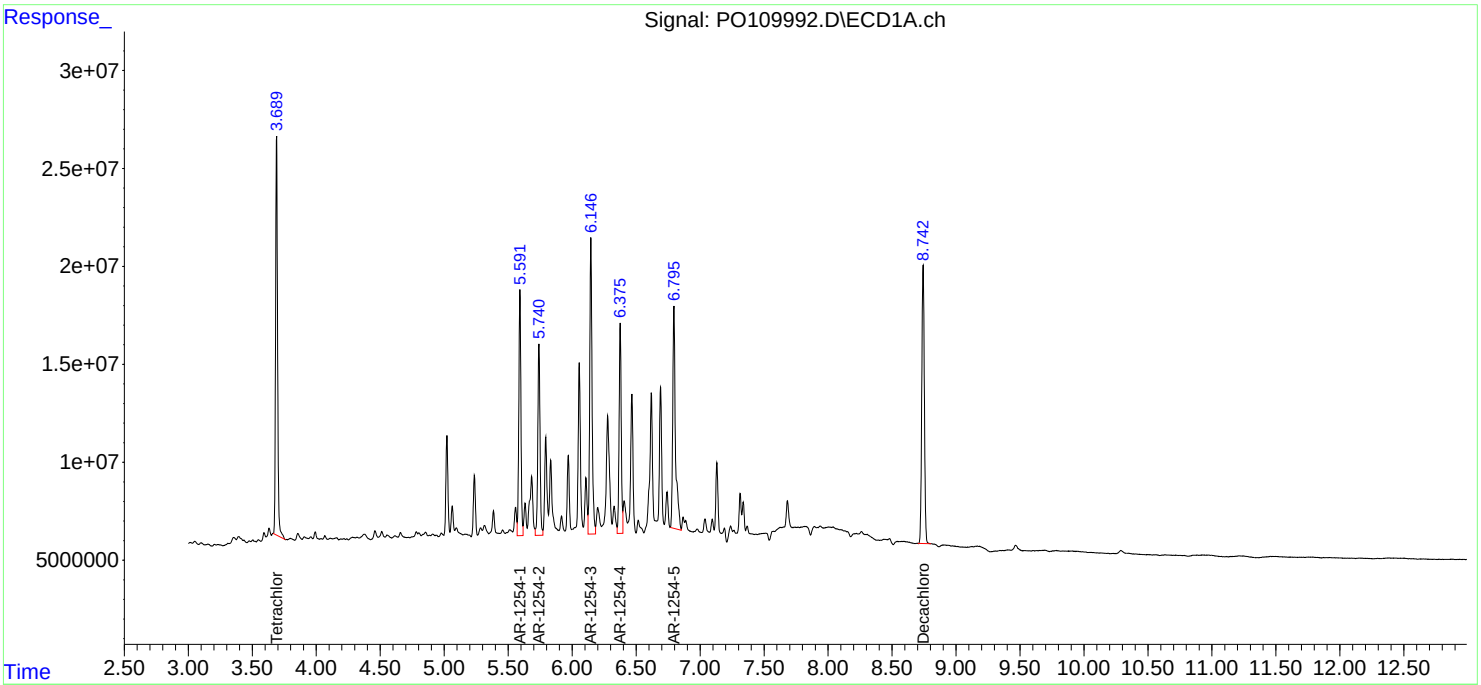
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

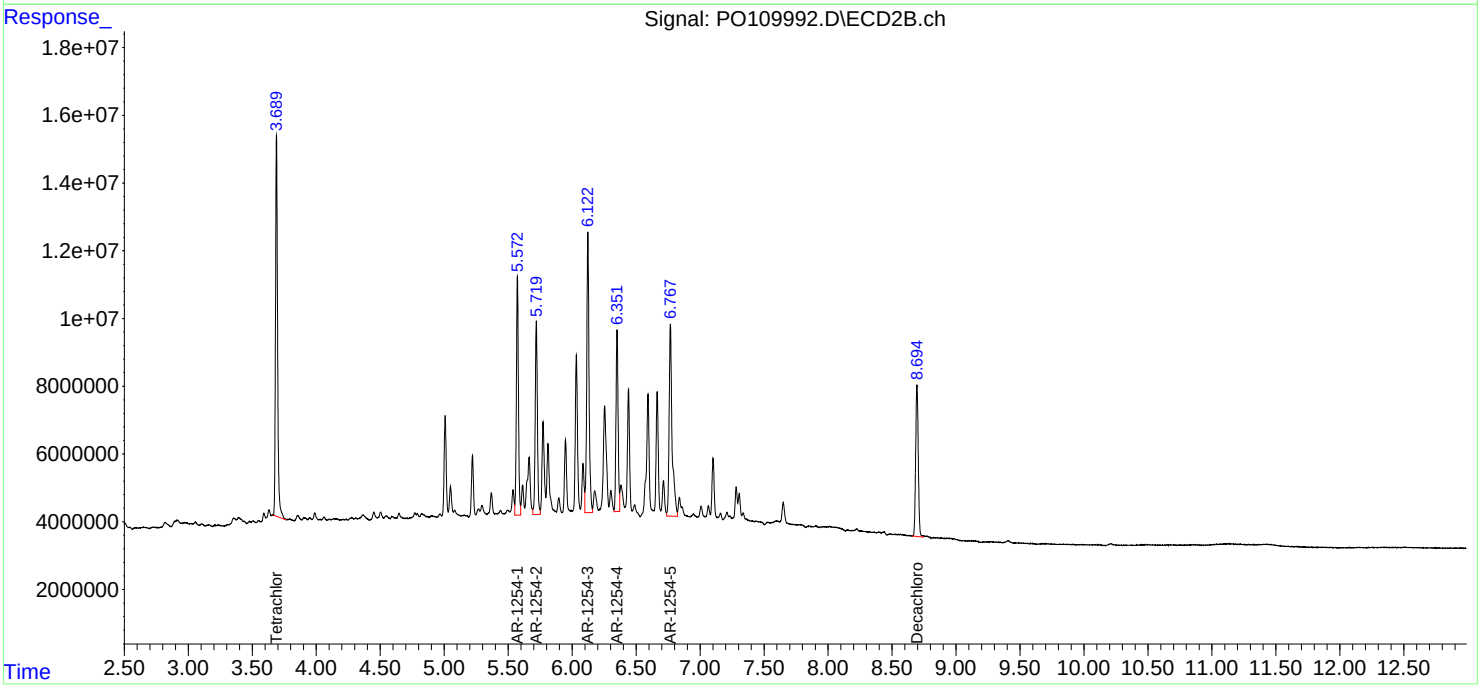
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109992.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:07
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

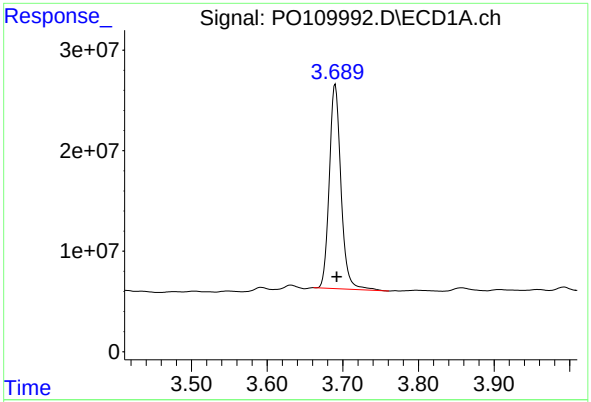
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



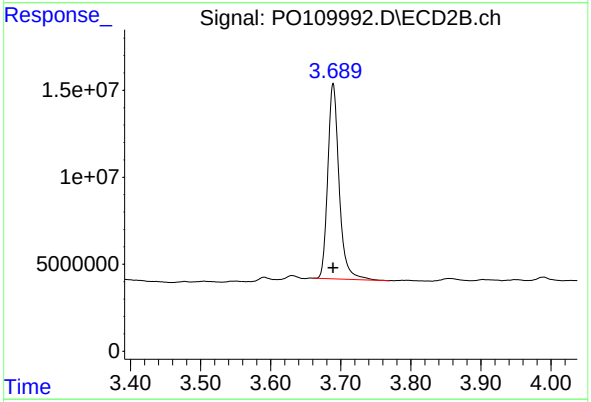






#1 Tetrachloro-m-xylene

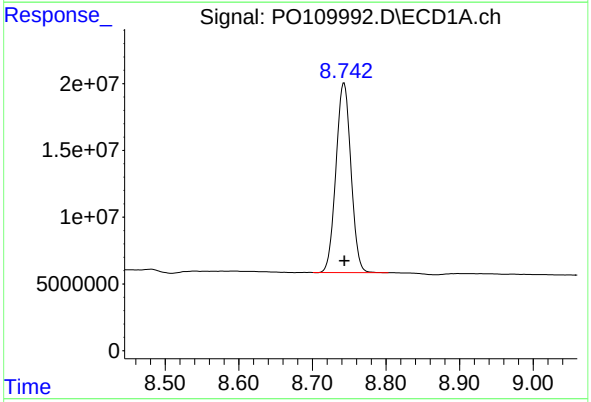
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 218311930
Conc: 23.26 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



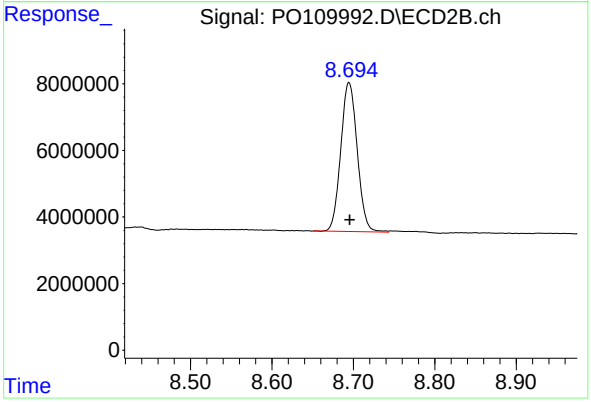

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 126298911
Conc: 23.62 ng/ml



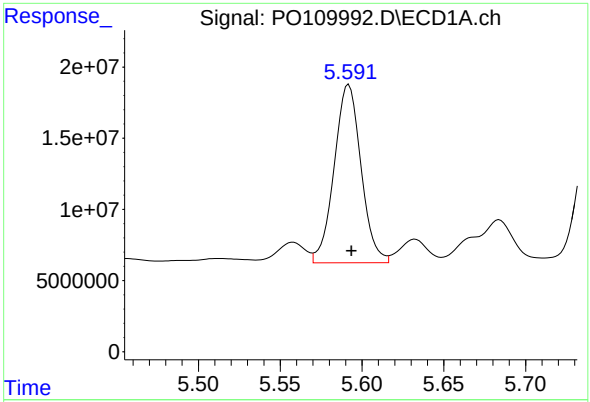

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 201053654
Conc: 25.56 ng/ml




#2 Decachlorobiphenyl

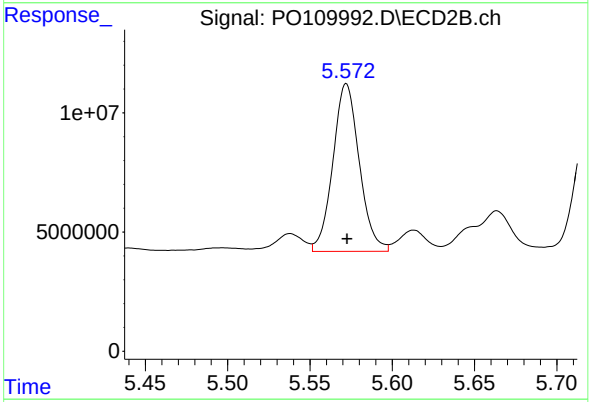
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 62915084
Conc: 26.01 ng/ml




#26 AR-1254-1

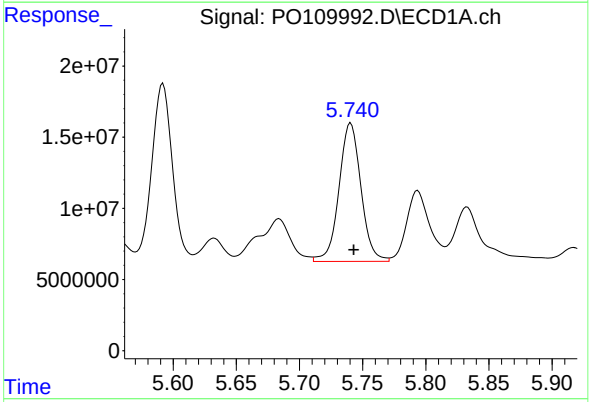
R.T.: 5.592 min
Delta R.T.: -0.002 min
Response: 142754156
Conc: 255.23 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



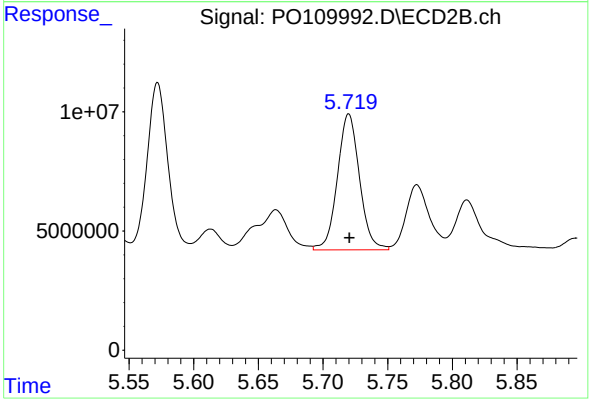

#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 78551215
Conc: 255.27 ng/ml



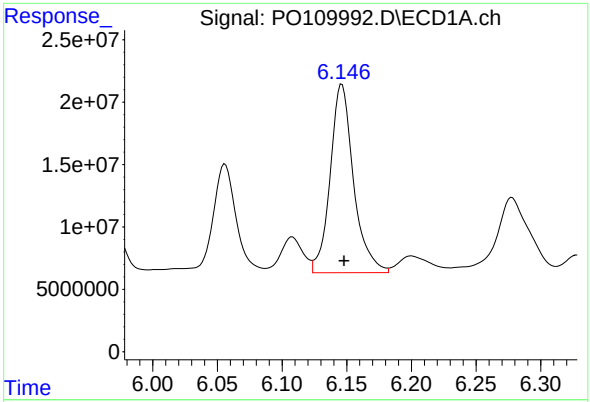

#27 AR-1254-2

R.T.: 5.741 min
Delta R.T.: -0.002 min
Response: 117734646
Conc: 243.40 ng/ml




#27 AR-1254-2

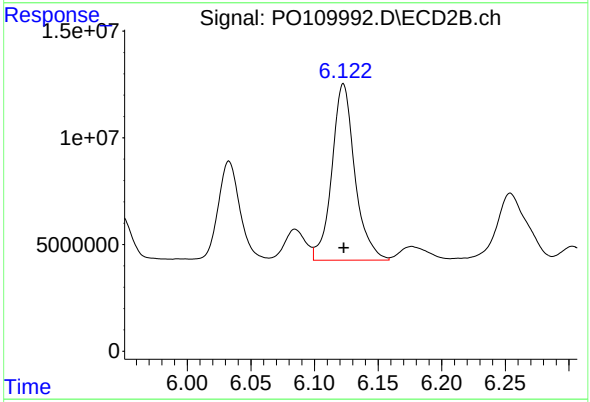
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 67765666
Conc: 252.40 ng/ml




#28 AR-1254-3

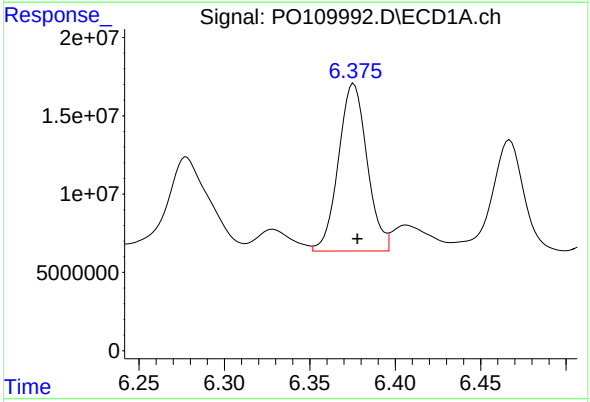
R.T.: 6.146 min
Delta R.T.: -0.002 min
Response: 190042575
Conc: 240.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



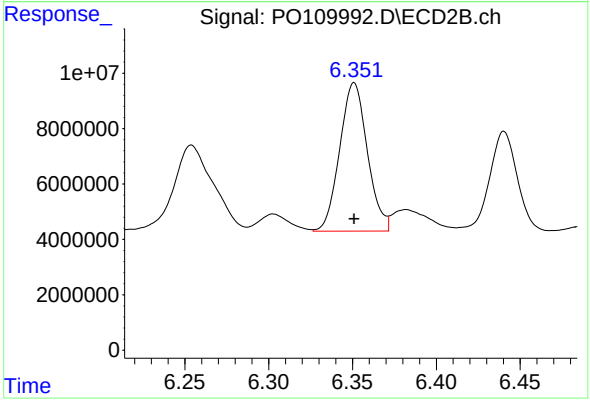

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 103889593
Conc: 246.65 ng/ml



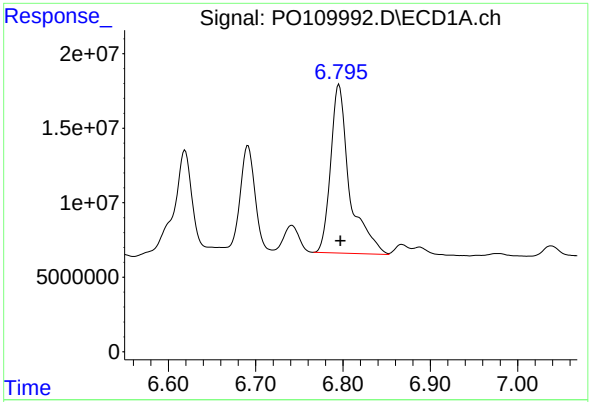

#29 AR-1254-4

R.T.: 6.376 min
Delta R.T.: -0.002 min
Response: 124903516
Conc: 256.77 ng/ml




#29 AR-1254-4

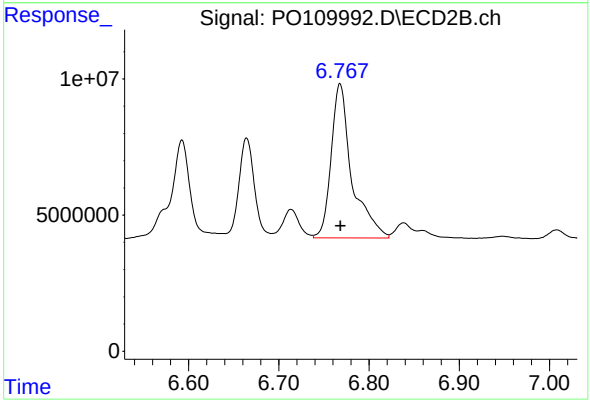
R.T.: 6.351 min
Delta R.T.: 0.000 min
Response: 61546138
Conc: 251.84 ng/ml




#30 AR-1254-5

R.T.: 6.795 min
Delta R.T.: -0.002 min
Response: 170531002
Conc: 250.59 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 90324740
Conc: 259.06 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

**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 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 43445665 | 25306006 | 4.628 | 4.733 |
| 2) | SA Decachlor... | 8.743 | 8.694 | 41266656 | 13227136 | 5.245 | 5.469 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.593 | 5.573 | 31329450 | 17649915 | 56.014 | 57.357 |
| 27) | L6 AR-1254-2 | 5.742 | 5.720 | 26381750 | 15388259 | 54.541 | 57.314 |
| 28) | L6 AR-1254-3 | 6.148 | 6.123 | 39484048 | 21241930 | 50.026 | 50.431 |
| 29) | L6 AR-1254-4 | 6.377 | 6.350 | 23571245 | 12628885 | 48.456 | 51.676 |
| 30) | L6 AR-1254-5 | 6.797 | 6.768 | 28479203 | 15116419 | 41.849 | 43.355m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

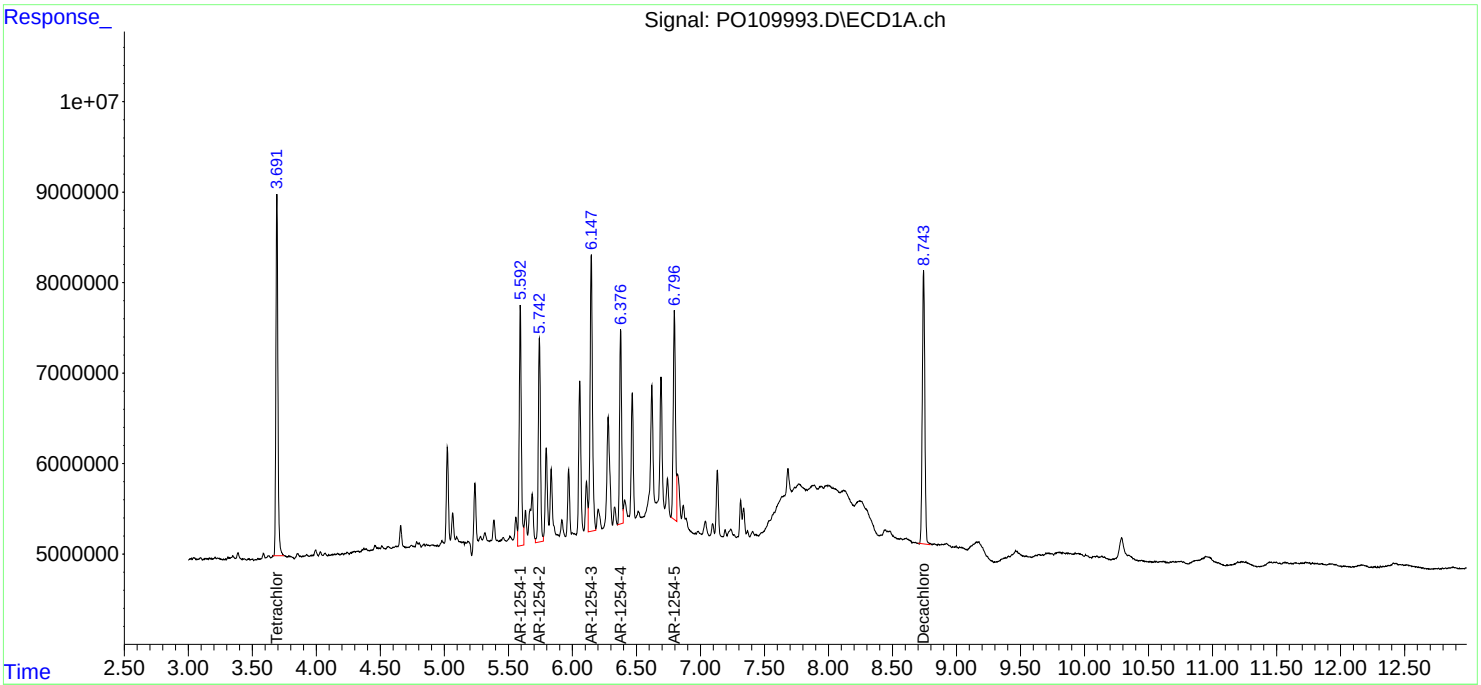
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

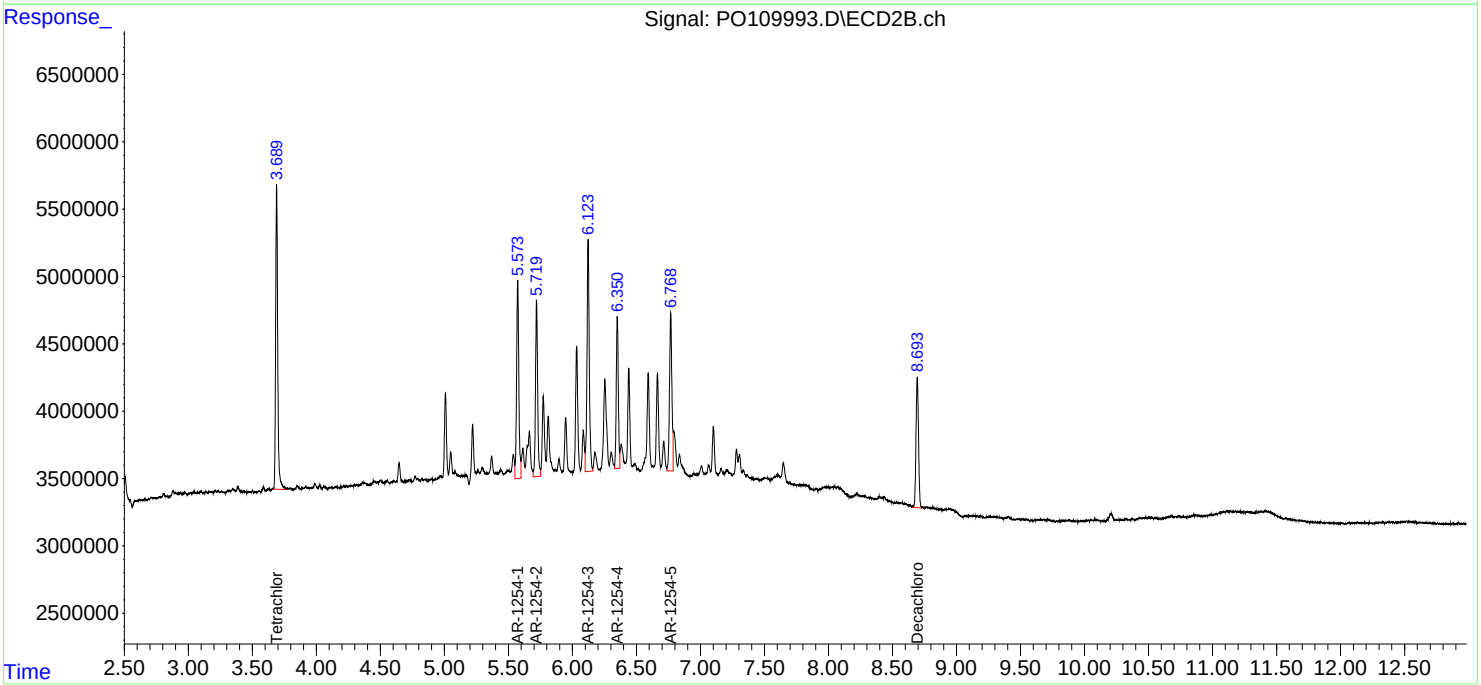
**Manual Integrations APPROVED**

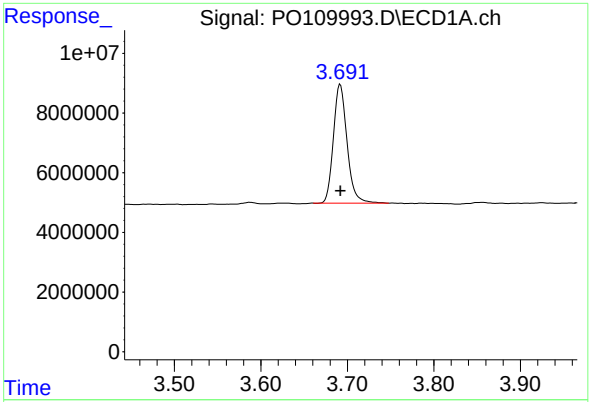
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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





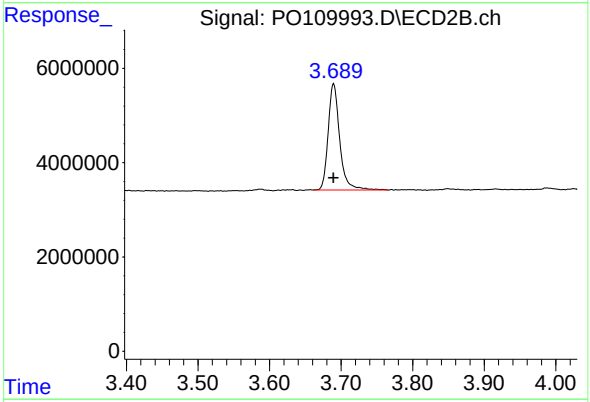

#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 43445665
Conc: 4.63 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

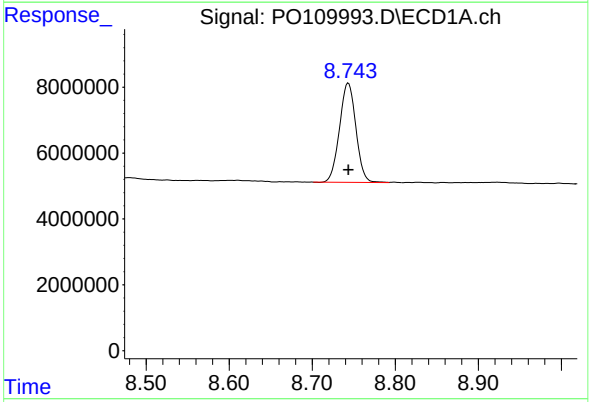
**Manual Integrations APPROVED**

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



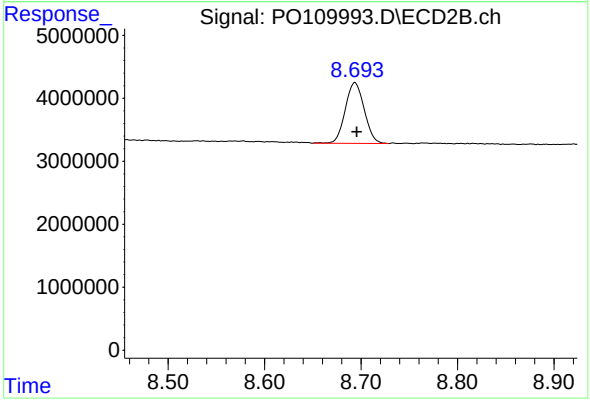

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25306006
Conc: 4.73 ng/ml



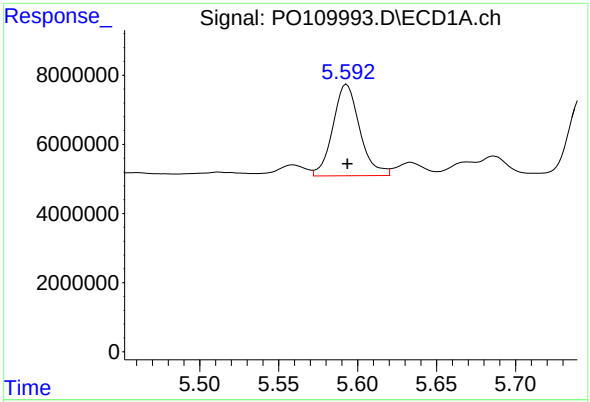

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 41266656
Conc: 5.25 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 13227136
Conc: 5.47 ng/ml



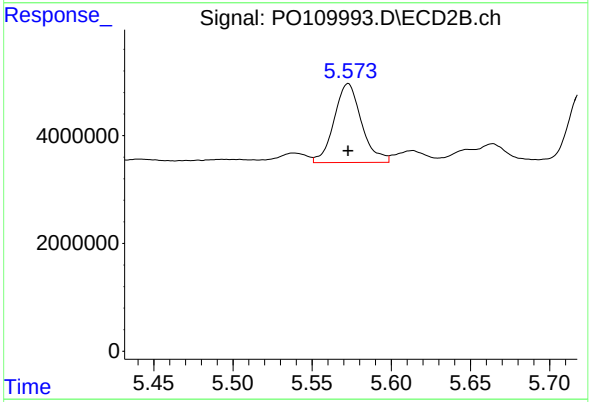

#26 AR-1254-1

R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 31329450
Conc: 56.01 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

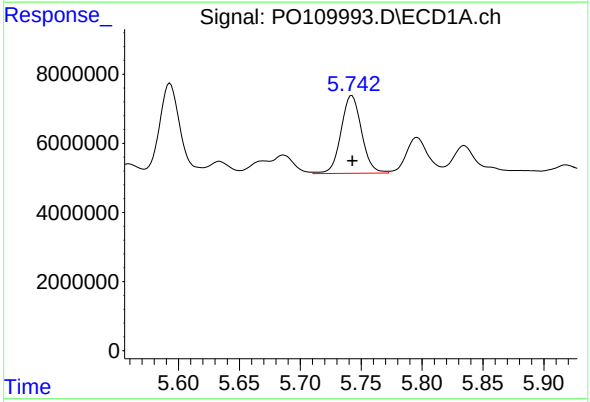
**Manual Integrations APPROVED**

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



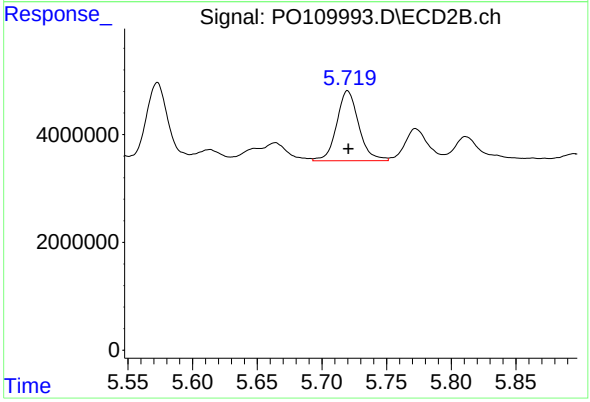

#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 17649915
Conc: 57.36 ng/ml



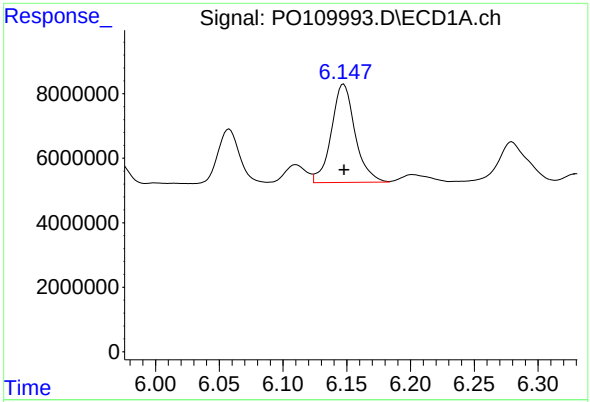

#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 26381750
Conc: 54.54 ng/ml




#27 AR-1254-2

R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 15388259
Conc: 57.31 ng/ml



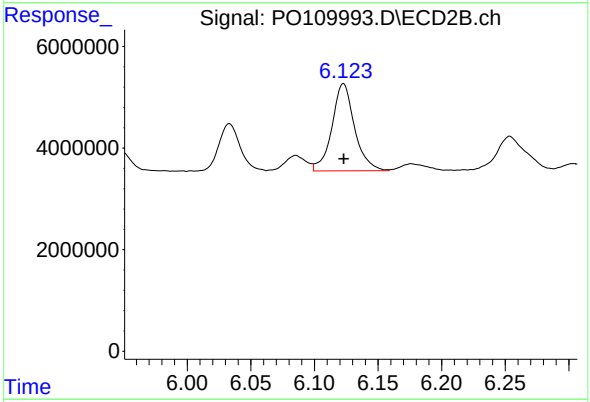

#28 AR-1254-3

R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 39484048
Conc: 50.03 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

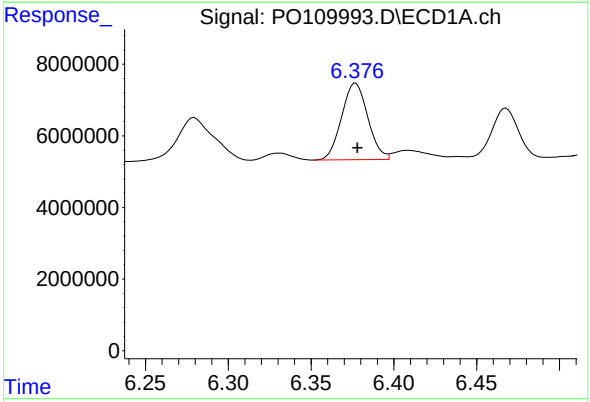
**Manual Integrations APPROVED**

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



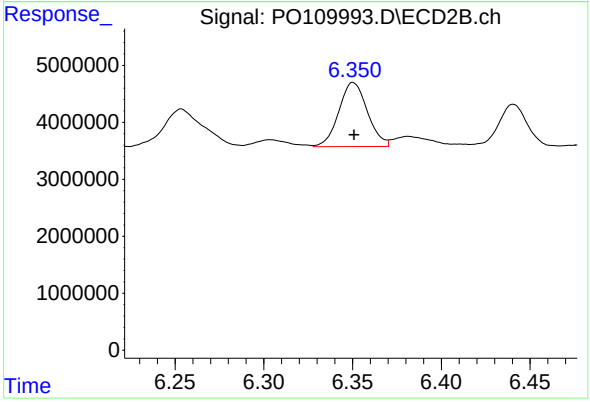

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 21241930
Conc: 50.43 ng/ml



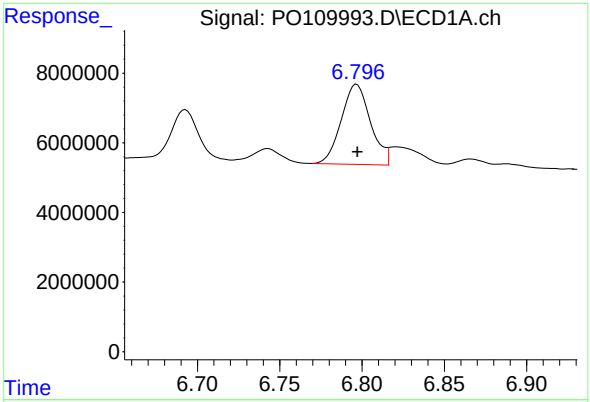

#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 23571245
Conc: 48.46 ng/ml




#29 AR-1254-4

R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 12628885
Conc: 51.68 ng/ml



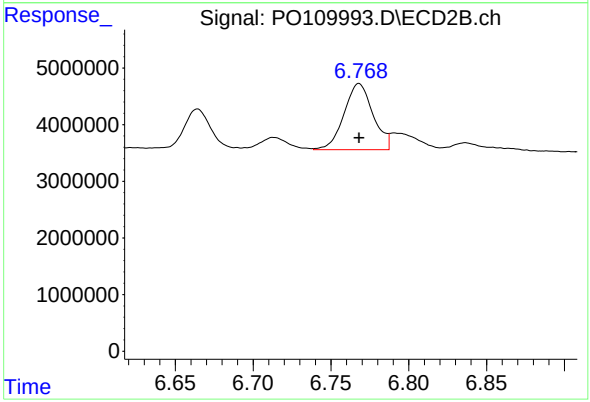

#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 28479203
Conc: 41.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

**Manual Integrations APPROVED**

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




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 15116419
Conc: 43.36 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:43
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:59:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:59:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 443.4E6 | 253.7E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 383.2E6 | 113.8E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 6.836 | 6.807 | 344.1E6 | 172.2E6 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 7.338 | 7.306 | 596.0E6 | 268.6E6 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 7.623 | 7.590 | 235.3E6 | 97025324 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 7.687 | 7.654 | 437.3E6 | 180.9E6 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 8.184 | 8.146 | 197.2E6 | 70580972 | 500.000 | 500.000 |

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

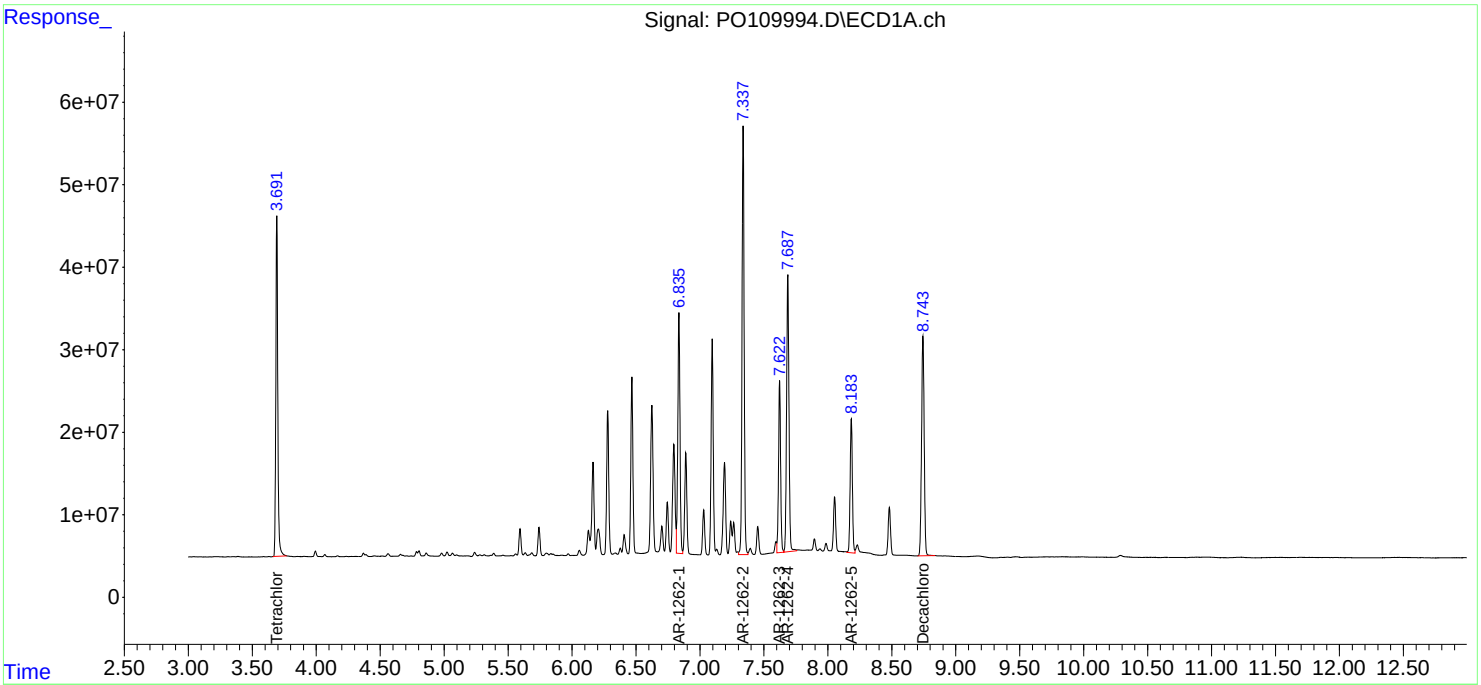
ICAL Form

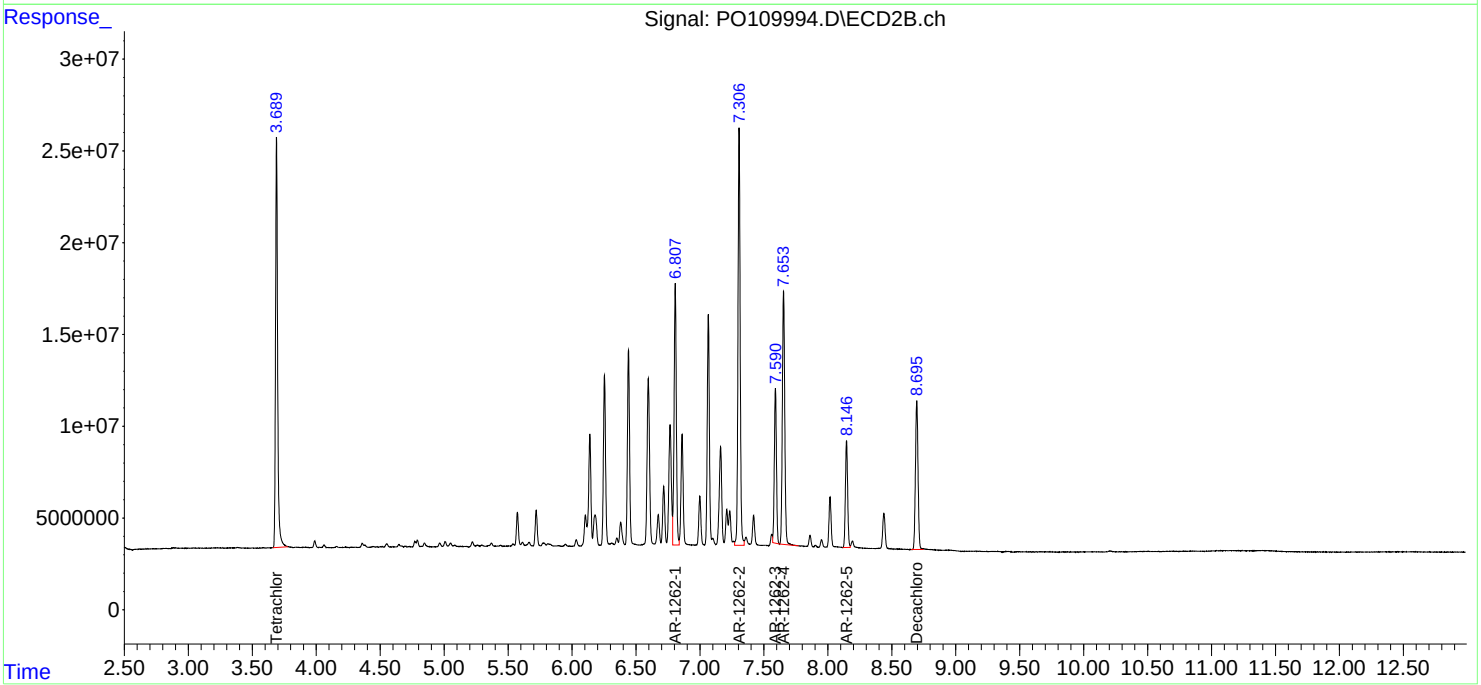
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109994.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:43
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

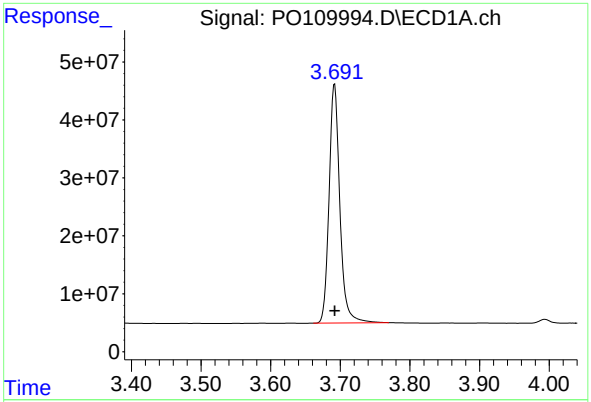
**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:59:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:59:23 2025
Response via : Initial Calibration
Integrator: ChemStation

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



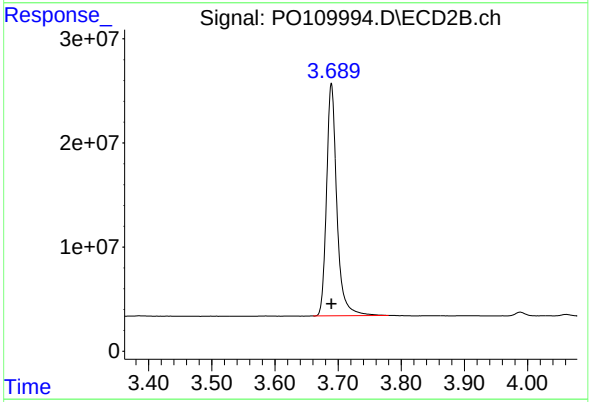






#1 Tetrachloro-m-xylene

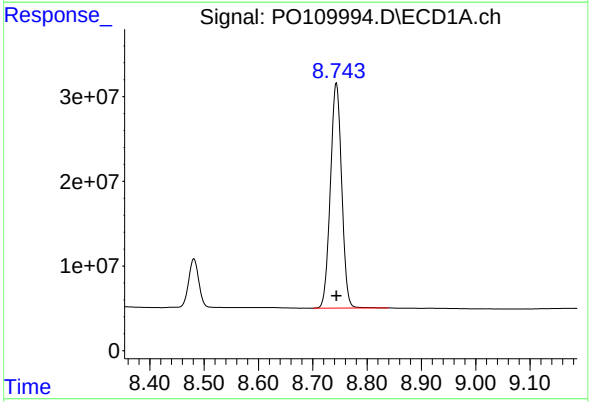
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 443392340
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



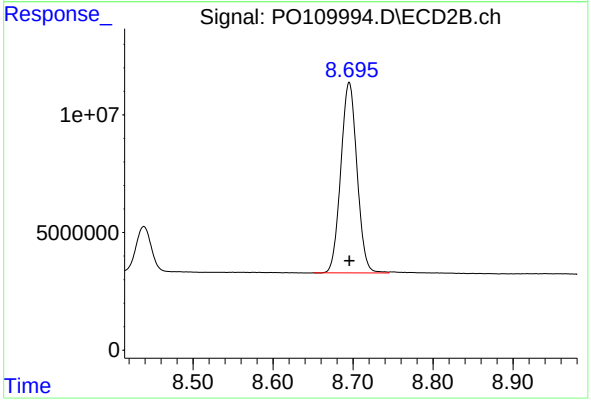

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 253657981
Conc: 50.00 ng/ml



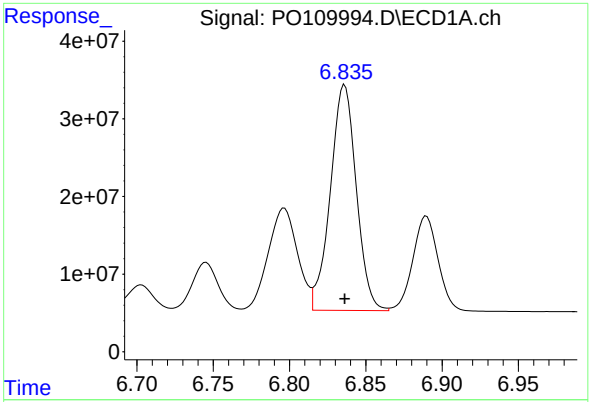

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 383169446
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

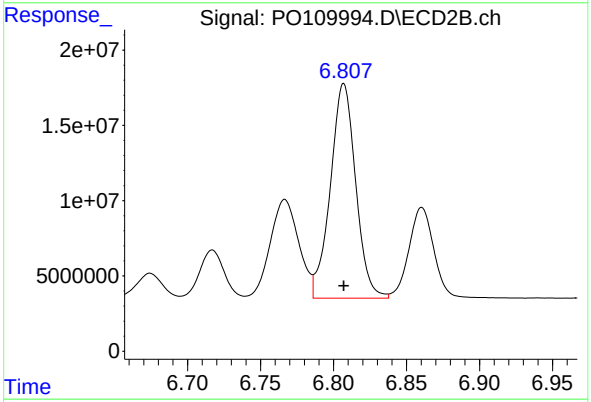
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113848015
Conc: 50.00 ng/ml




#36 AR-1262-1

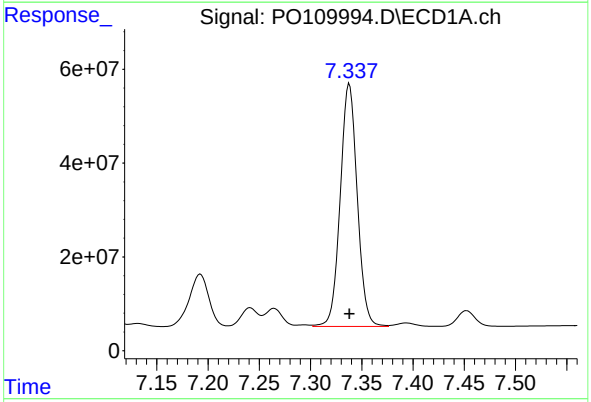
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 344060290
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



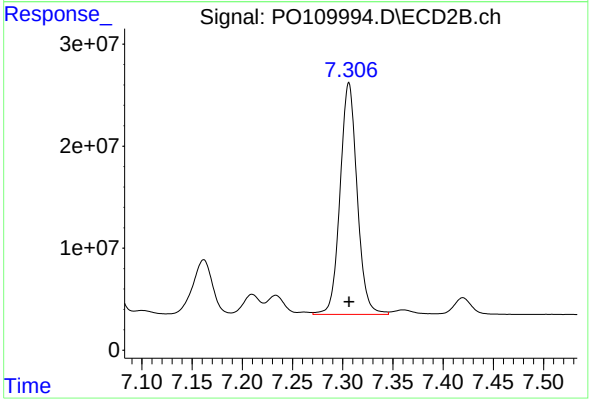

#36 AR-1262-1

R.T.: 6.807 min
Delta R.T.: 0.000 min
Response: 172156478
Conc: 500.00 ng/ml



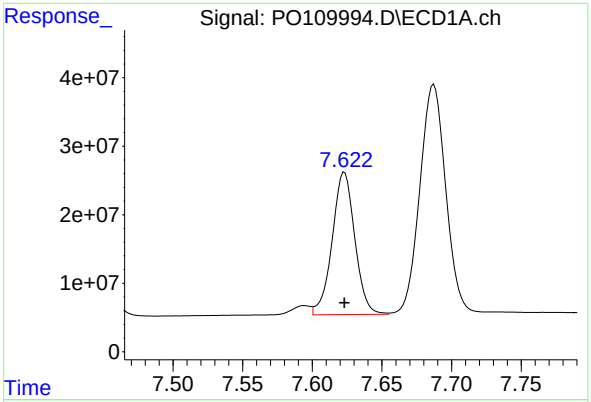

#37 AR-1262-2

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 595986678
Conc: 500.00 ng/ml




#37 AR-1262-2

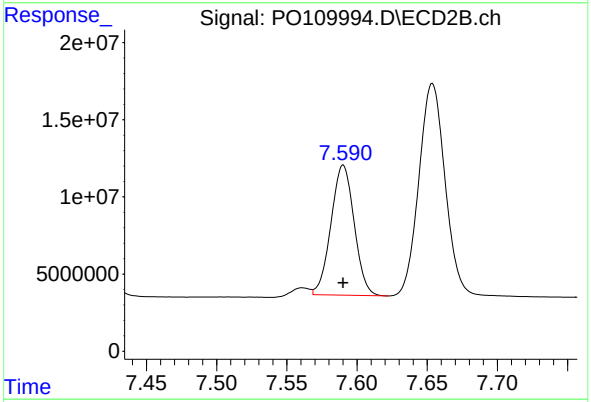
R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 268610130
Conc: 500.00 ng/ml




#38 AR-1262-3

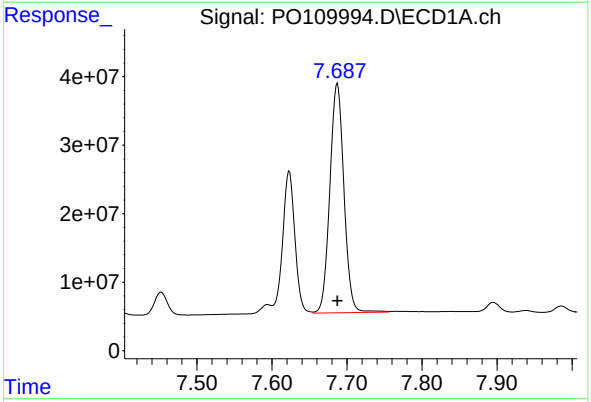
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 235314860
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



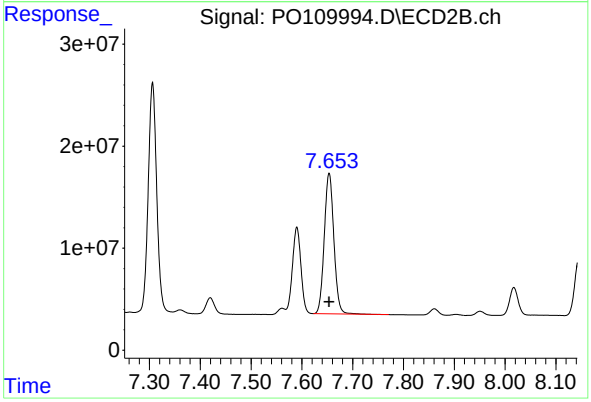

#38 AR-1262-3

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 97025324
Conc: 500.00 ng/ml



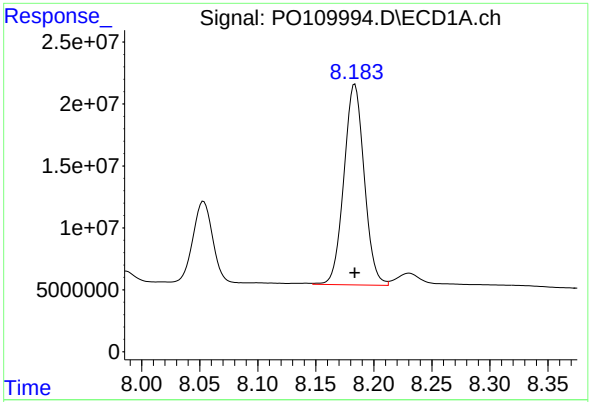

#39 AR-1262-4

R.T.: 7.687 min
Delta R.T.: 0.000 min
Response: 437287698
Conc: 500.00 ng/ml




#39 AR-1262-4

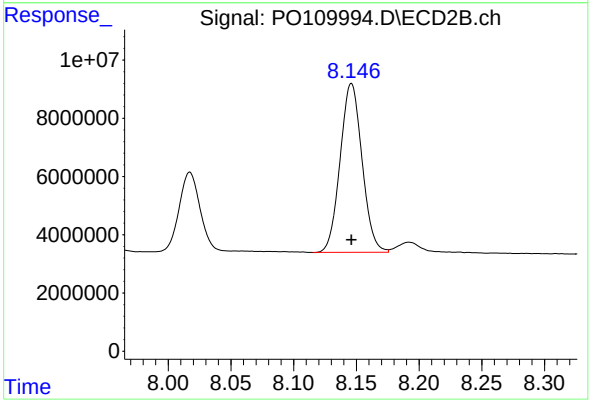
R.T.: 7.654 min
Delta R.T.: 0.000 min
Response: 180893327
Conc: 500.00 ng/ml




#40 AR-1262-5

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 197221208
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500




#40 AR-1262-5

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 70580972
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:02
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.689 | 901.7E6 | 515.8E6 | 97.188 | 97.661 |
| 2) | SA Decachlor... | 8.743 | 8.696 | 1364.0E6 | 390.3E6 | 96.599 | 94.170 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.623 | 7.590 | 1369.8E6 | 560.8E6 | 976.135 | 969.827 |
| 42) | L9 AR-1268-2 | 7.688 | 7.655 | 1266.3E6 | 519.2E6 | 989.578 | 974.786 |
| 43) | L9 AR-1268-3 | 7.896 | 7.862 | 1019.7E6 | 397.6E6 | 981.758 | 963.023 |
| 44) | L9 AR-1268-4 | 8.183 | 8.147 | 432.7E6 | 153.8E6 | 967.005 | 949.196 |
| 45) | L9 AR-1268-5 | 8.481 | 8.440 | 3202.1E6 | 963.7E6 | 991.799 | 976.212 |

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

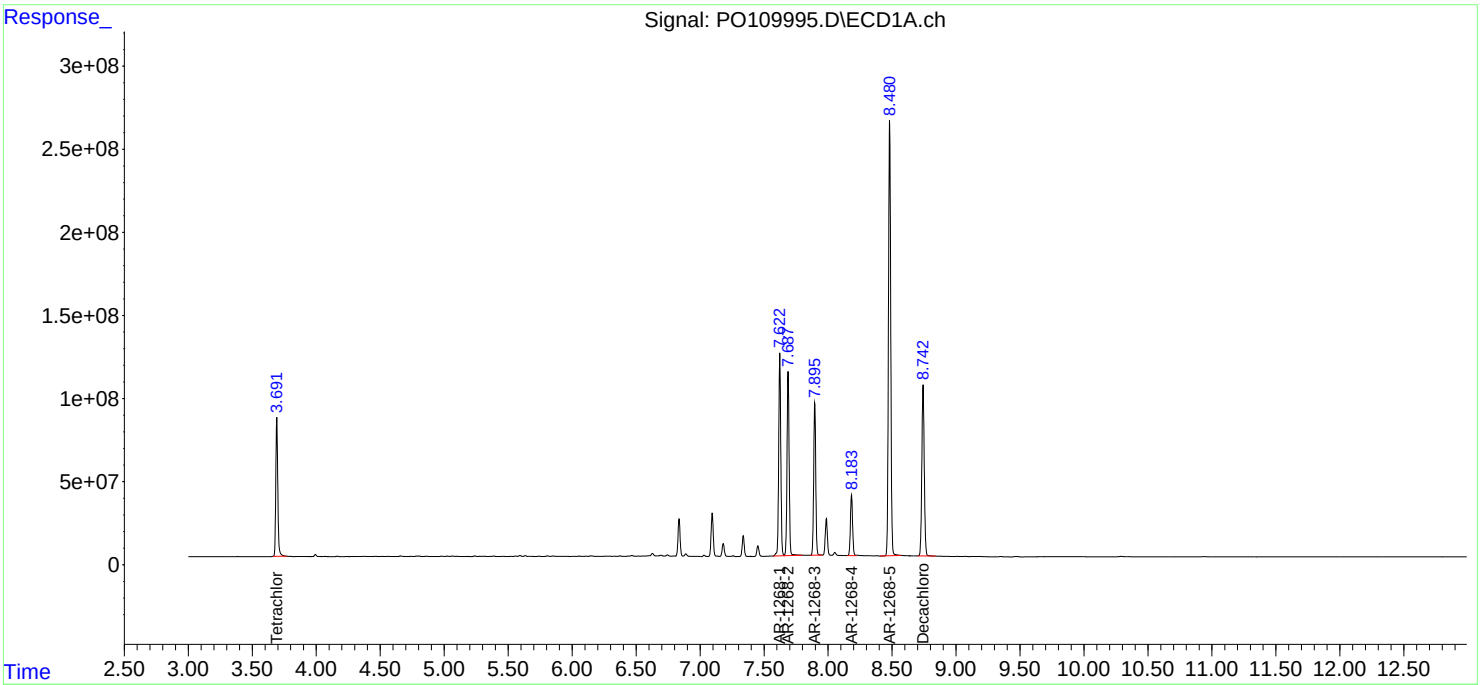
ICAL Form

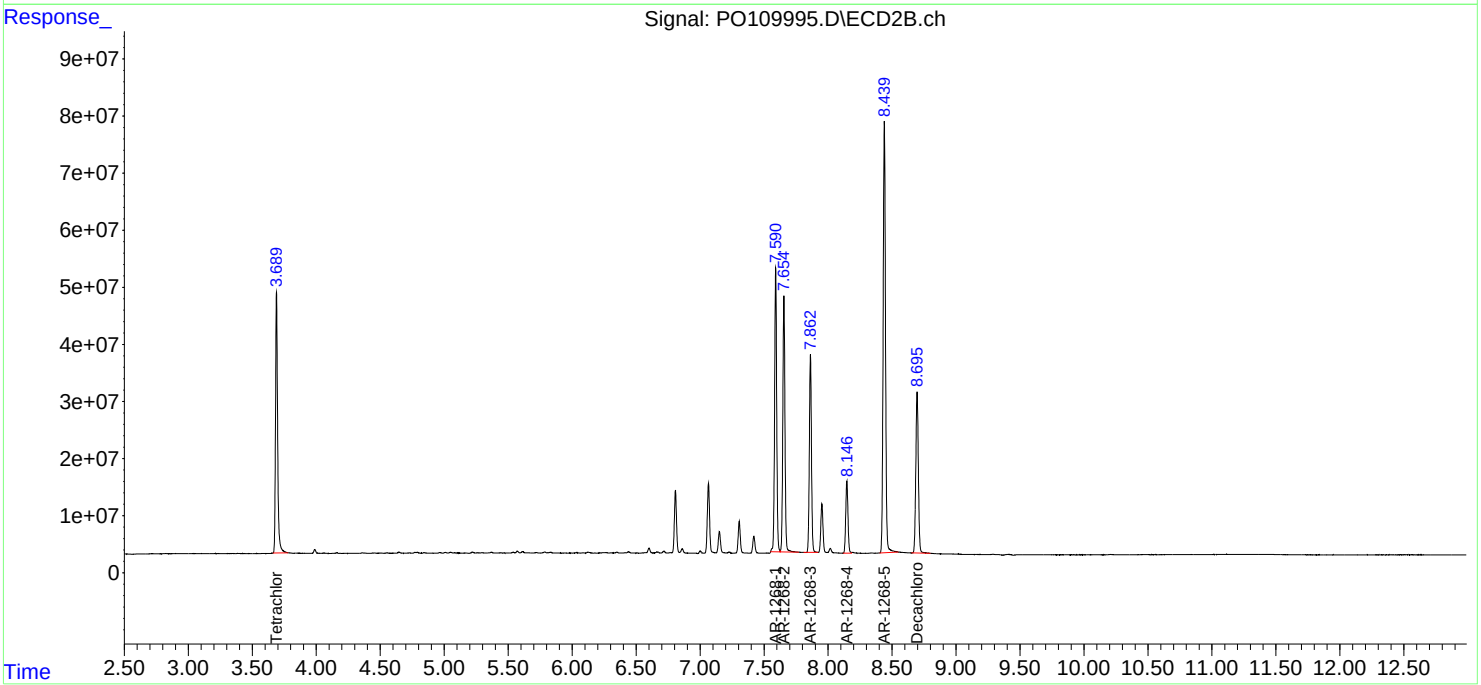
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109995.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:02
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

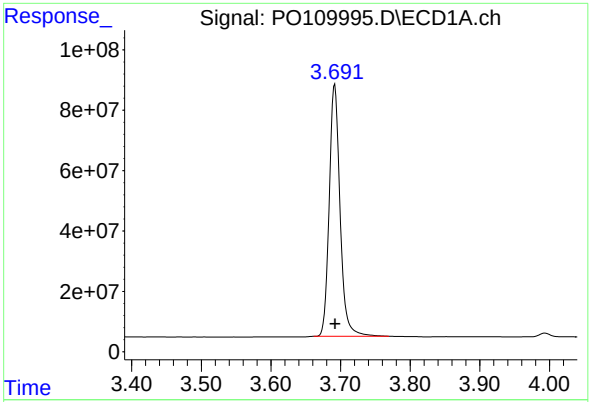
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



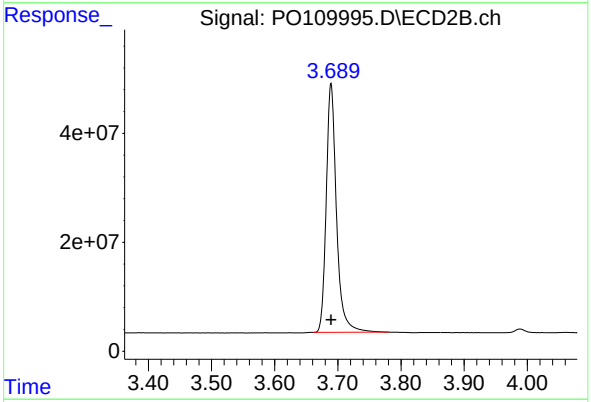






#1 Tetrachloro-m-xylene

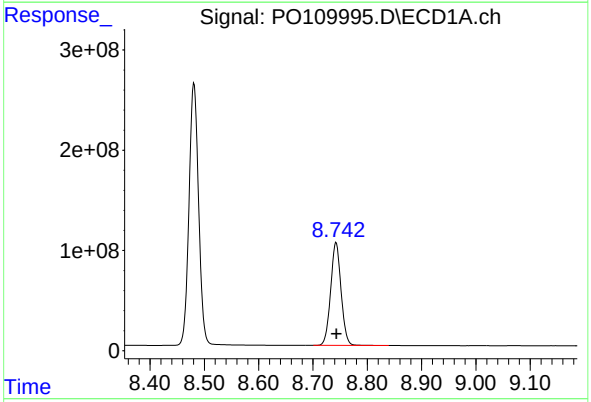
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 901662125
Conc: 97.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



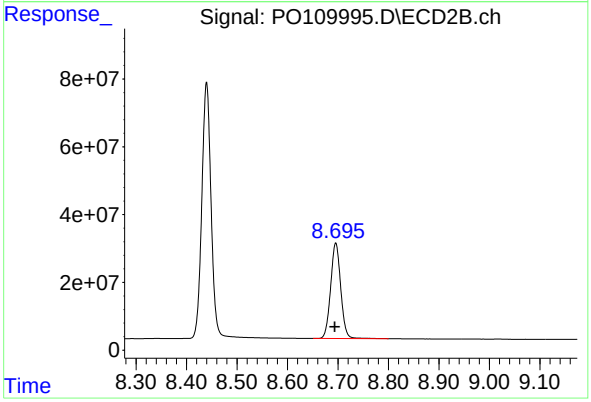

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 515836411
Conc: 97.66 ng/ml



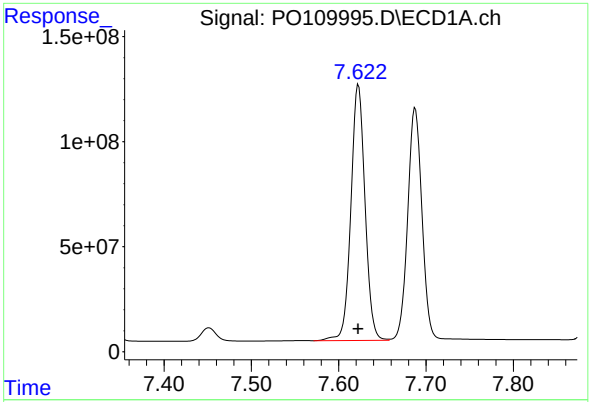

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 1364000629
Conc: 96.60 ng/ml




#2 Decachlorobiphenyl

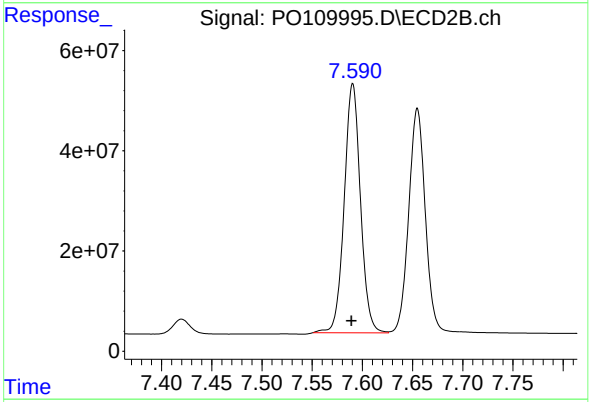
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 390263390
Conc: 94.17 ng/ml




#41 AR-1268-1

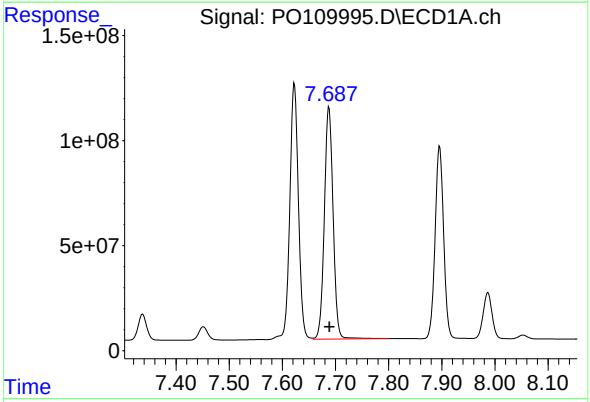
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 1369838059
Conc: 976.13 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



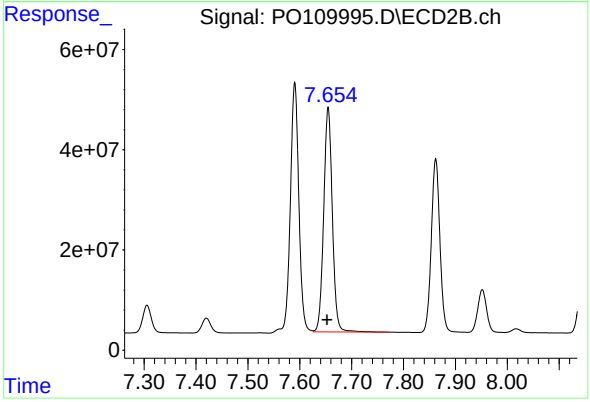

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 560759375
Conc: 969.83 ng/ml



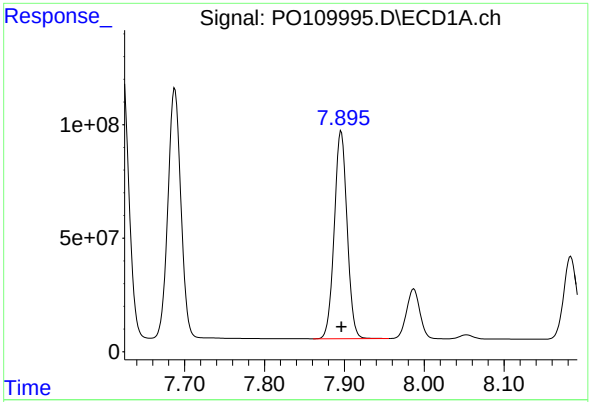

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 1266296617
Conc: 989.58 ng/ml




#42 AR-1268-2

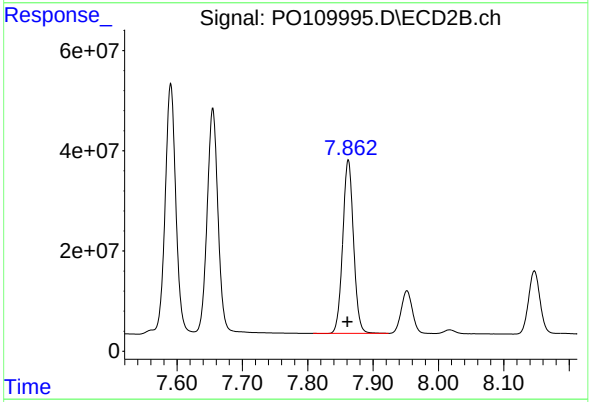
R.T.: 7.655 min
Delta R.T.: 0.002 min
Response: 519206129
Conc: 974.79 ng/ml




#43 AR-1268-3

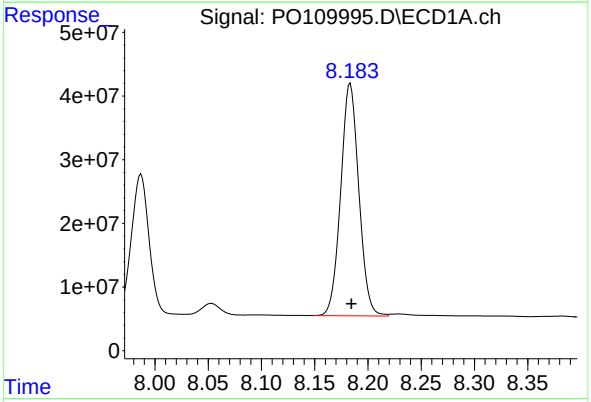
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 1019701747
Conc: 981.76 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



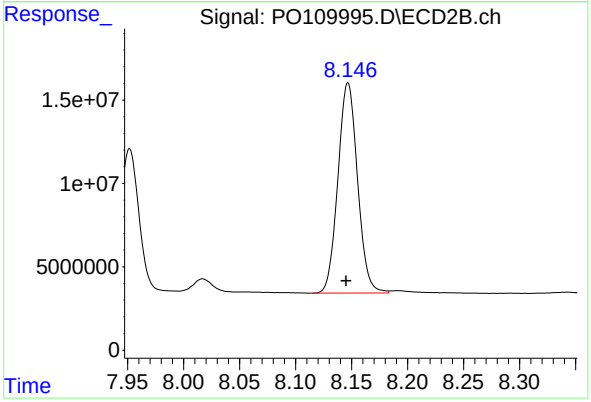

#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.001 min
Response: 397648794
Conc: 963.02 ng/ml



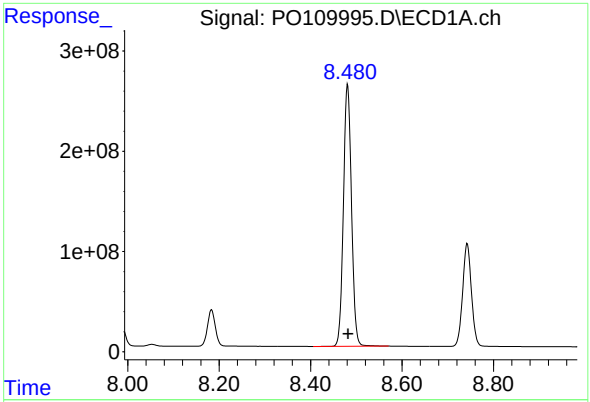

#44 AR-1268-4

R.T.: 8.183 min
Delta R.T.: -0.001 min
Response: 432675859
Conc: 967.01 ng/ml




#44 AR-1268-4

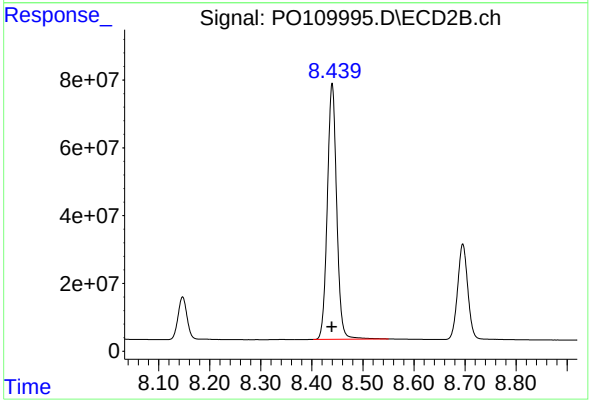
R.T.: 8.147 min
Delta R.T.: 0.002 min
Response: 153792414
Conc: 949.20 ng/ml




#45 AR-1268-5

R.T.: 8.481 min
Delta R.T.: -0.001 min
Response: 3202130253
Conc: 991.80 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000




#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.001 min
Response: 963659212
Conc: 976.21 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:20
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 3.692 | 3.689 | 674.6E6 | 386.9E6 | 72.709 | 73.243 |
| 2) SA | Decachlor... | 8.743 | 8.696 | 1030.2E6 | 298.8E6 | 72.957 | 72.092 |
| | Target Compounds | | | | | | |
| 41) L9 | AR-1268-1 | 7.624 | 7.590 | 1030.8E6 | 426.7E6 | 734.560 | 738.041 |
| 42) L9 | AR-1268-2 | 7.688 | 7.655 | 947.1E6 | 394.0E6 | 740.097 | 739.739 |
| 43) L9 | AR-1268-3 | 7.897 | 7.862 | 764.7E6 | 299.7E6 | 736.208 | 725.732 |
| 44) L9 | AR-1268-4 | 8.184 | 8.147 | 316.0E6 | 116.0E6 | 706.276 | 715.999 |
| 45) L9 | AR-1268-5 | 8.482 | 8.440 | 2394.2E6 | 724.9E6 | 741.545 | 734.374 |

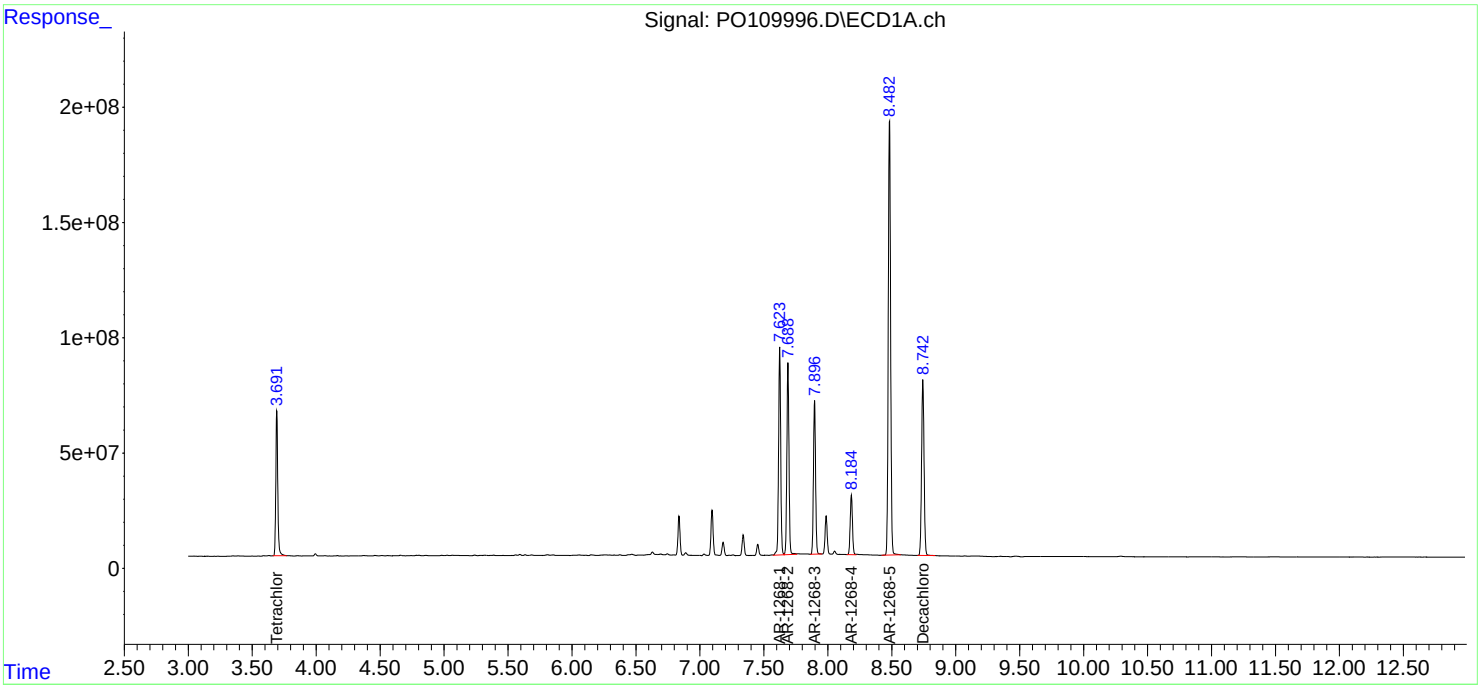
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

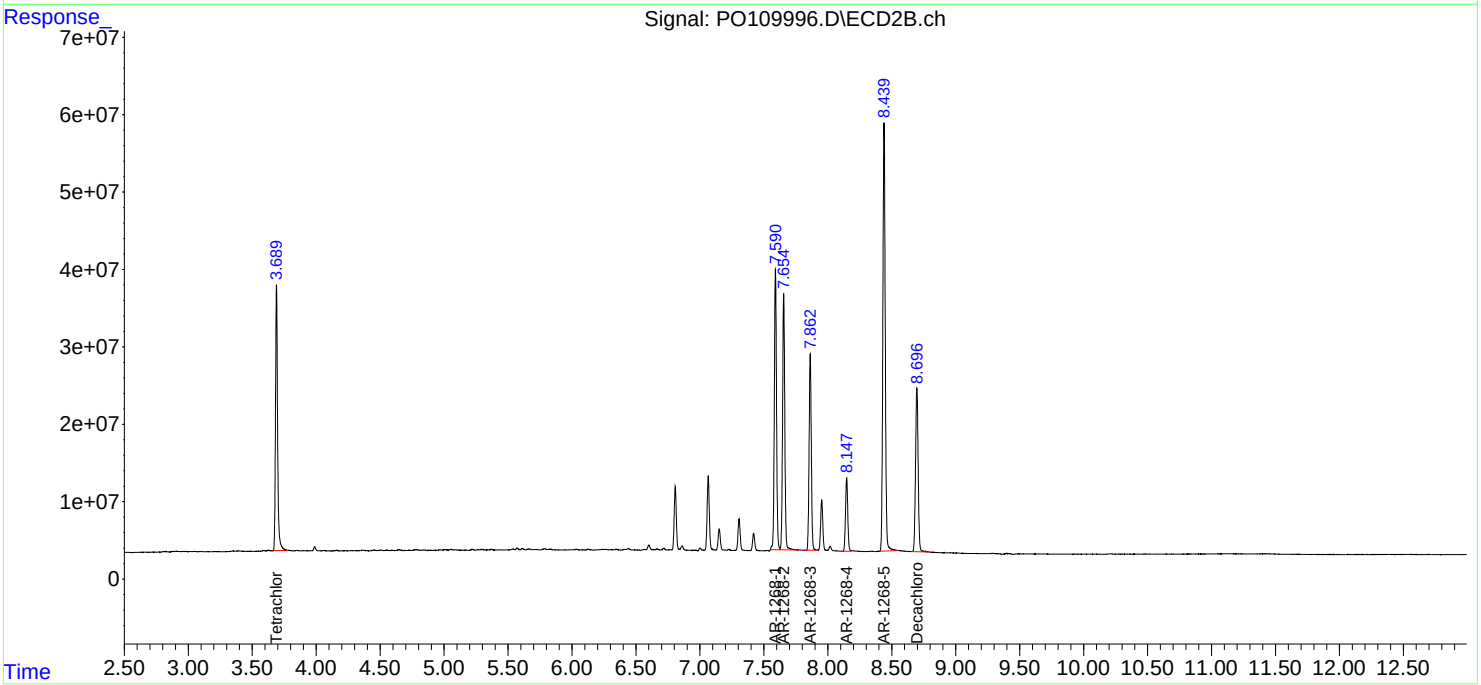
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109996.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:20
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

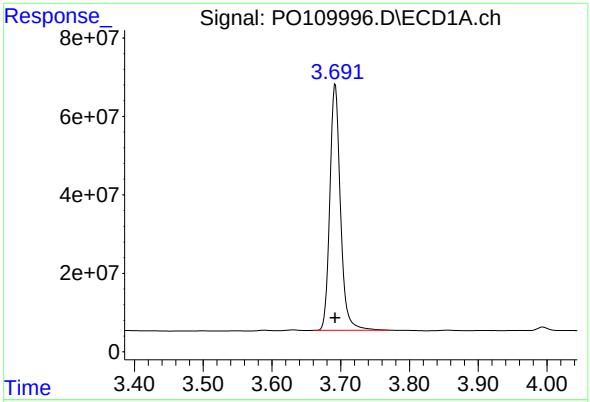
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



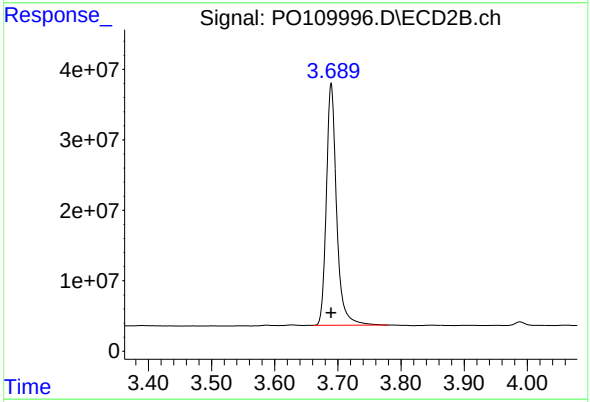






#1 Tetrachloro-m-xylene

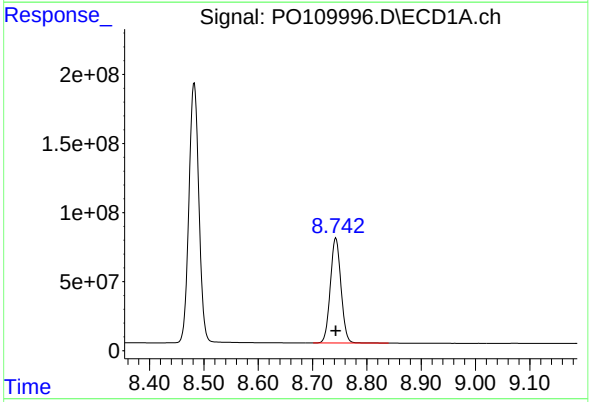
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 674561518
Conc: 72.71 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



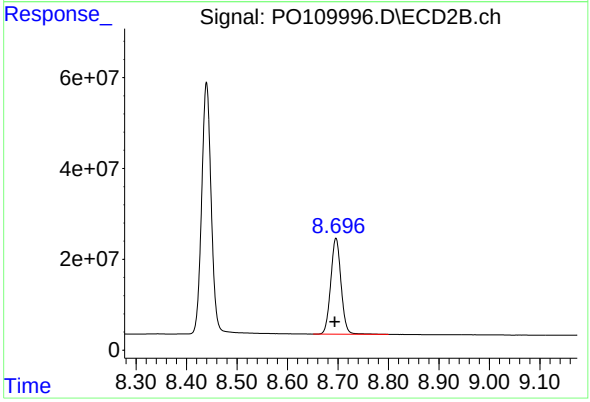

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 386863871
Conc: 73.24 ng/ml



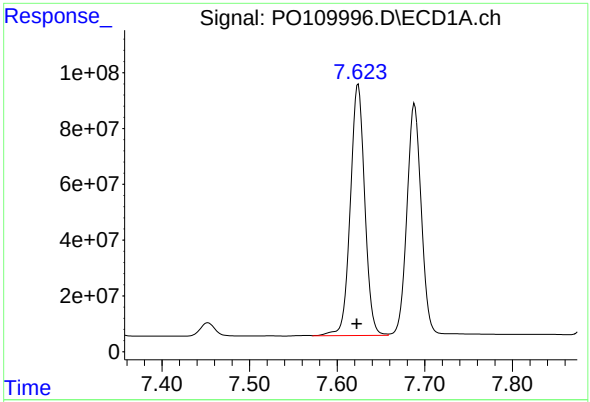

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 1030169782
Conc: 72.96 ng/ml




#2 Decachlorobiphenyl

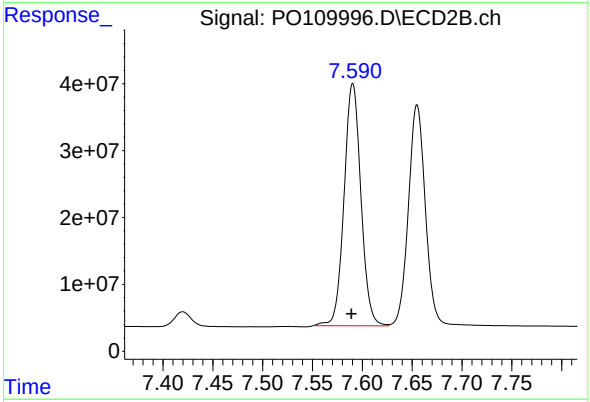
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 298767454
Conc: 72.09 ng/ml




#41 AR-1268-1

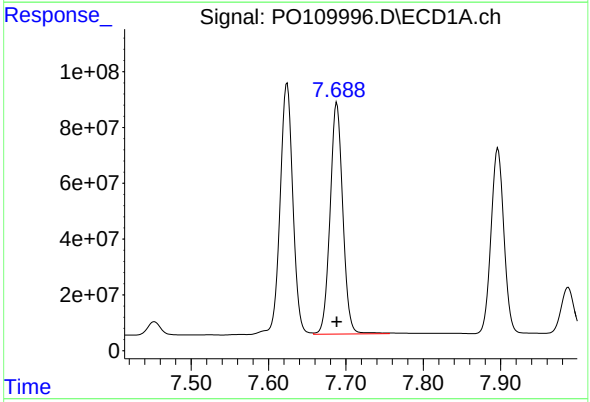
R.T.: 7.624 min
Delta R.T.: 0.002 min
Response: 1030829535
Conc: 734.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



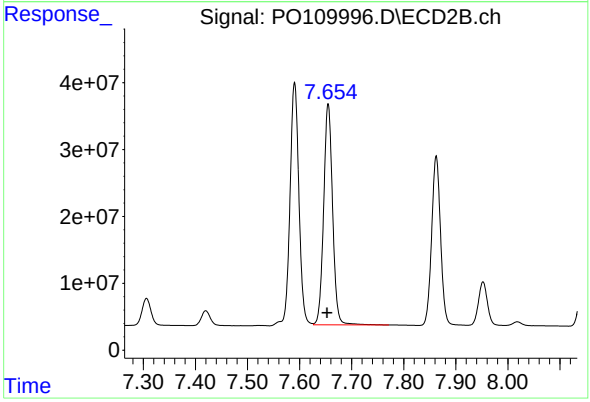

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 426739530
Conc: 738.04 ng/ml



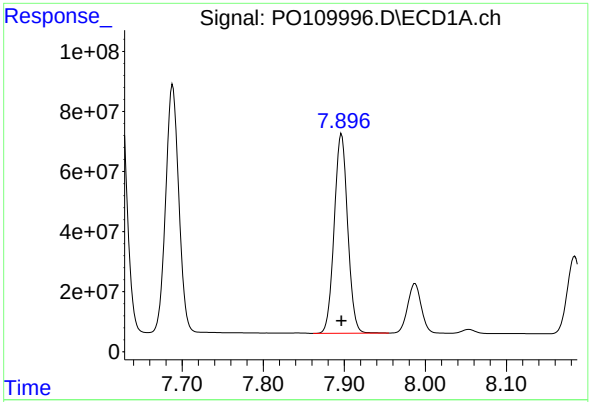

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 947052725
Conc: 740.10 ng/ml




#42 AR-1268-2

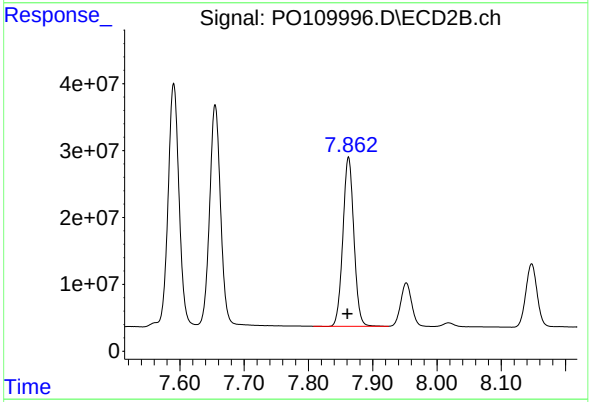
R.T.: 7.655 min
Delta R.T.: 0.002 min
Response: 394011614
Conc: 739.74 ng/ml




#43 AR-1268-3

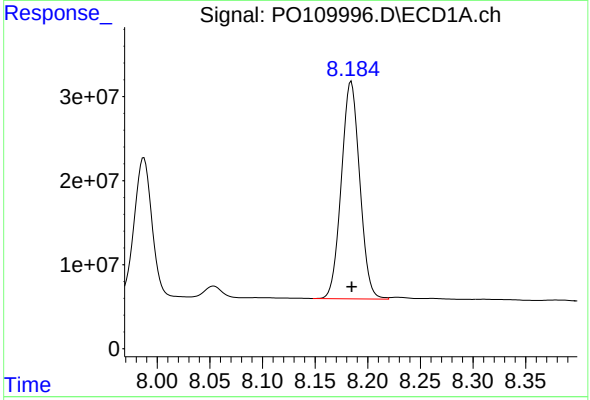
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 764660970
Conc: 736.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



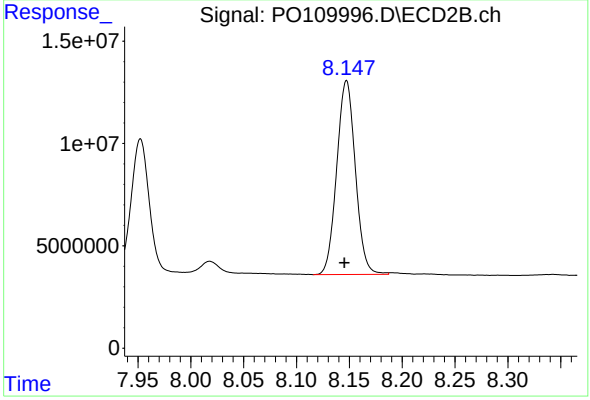

#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.002 min
Response: 299667225
Conc: 725.73 ng/ml



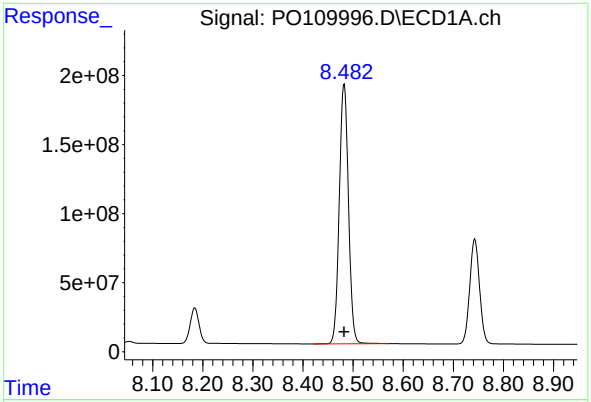

#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 316015601
Conc: 706.28 ng/ml




#44 AR-1268-4

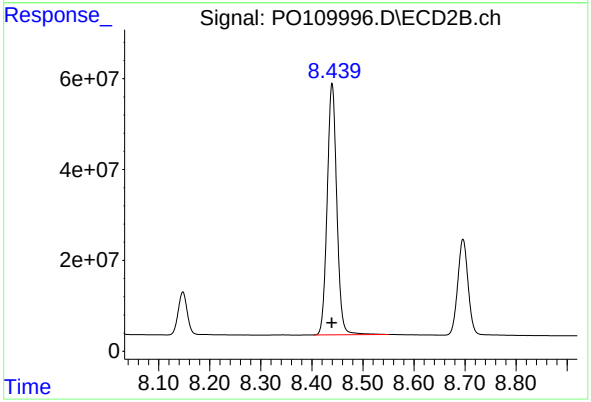
R.T.: 8.147 min
Delta R.T.: 0.002 min
Response: 116008994
Conc: 716.00 ng/ml




#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 2394158307
Conc: 741.55 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750




#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.000 min
Response: 724930761
Conc: 734.37 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

**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 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.689 | 463.9E6 | 264.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.743 | 8.694 | 706.0E6 | 207.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.622 | 7.589 | 700.7E6 | 289.1E6 | 499.305m | 500.000 |
| 42) | L9 AR-1268-2 | 7.688 | 7.653 | 639.8E6 | 266.3E6 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 7.896 | 7.861 | 519.3E6 | 206.5E6 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 8.185 | 8.145 | 223.7E6 | 81011977 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 8.482 | 8.439 | 1614.3E6 | 493.6E6 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

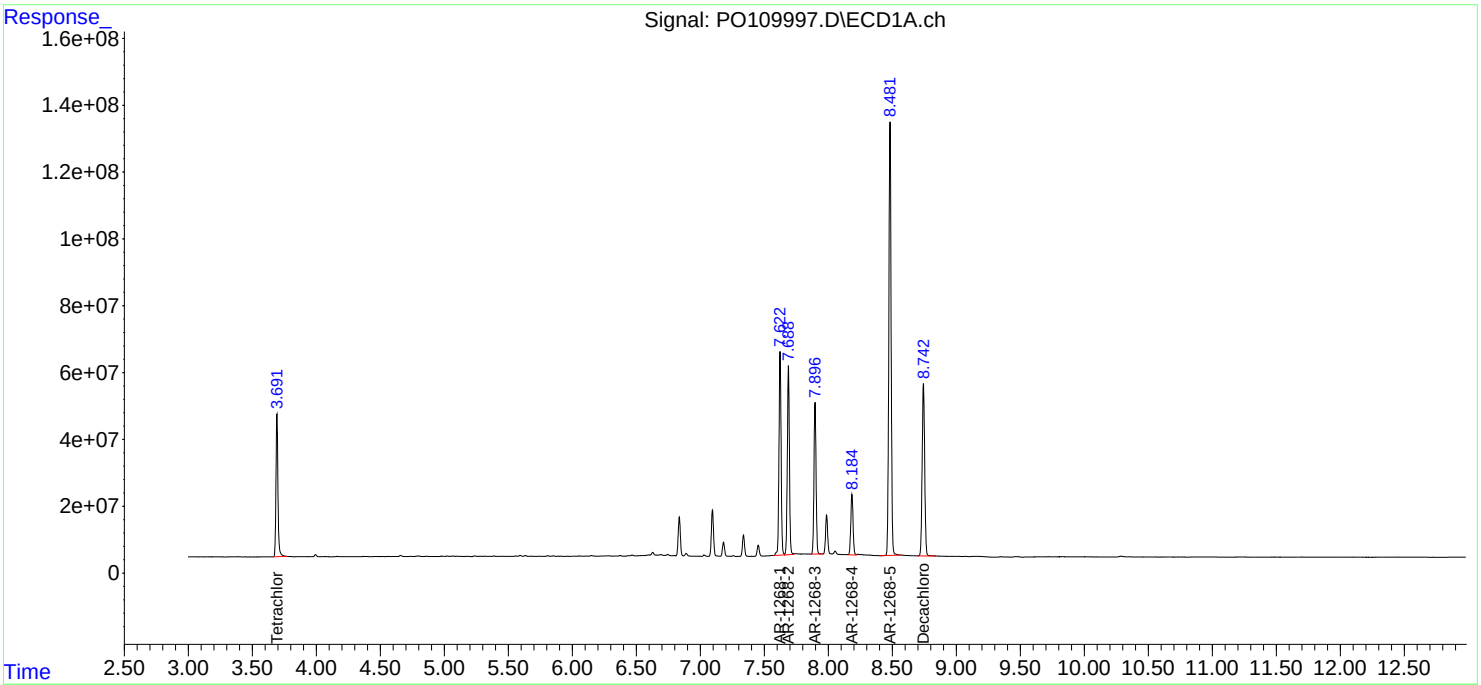
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

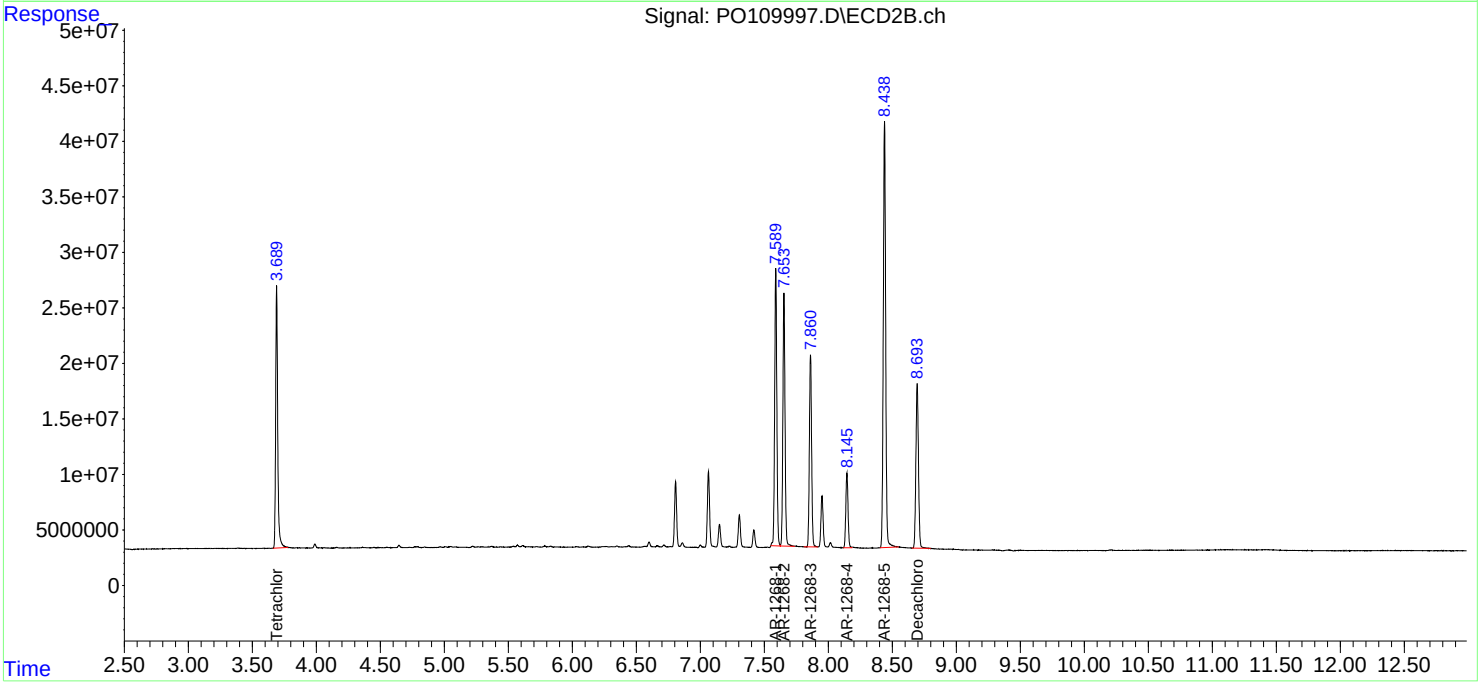
**Manual Integrations APPROVED**

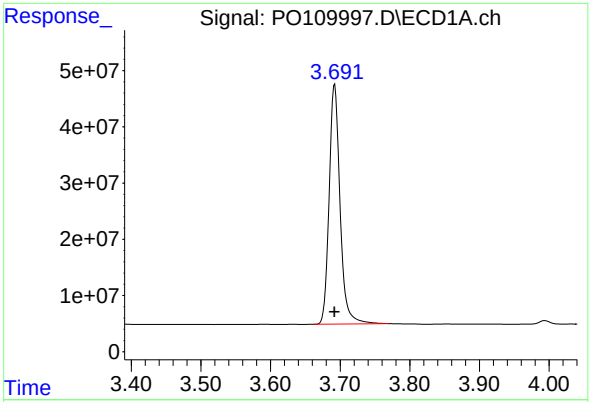
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





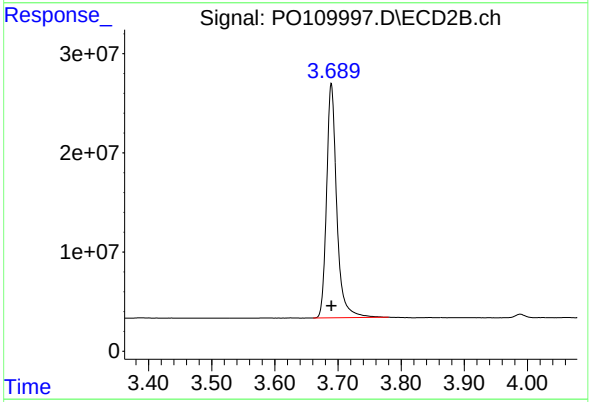

#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 463875726
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

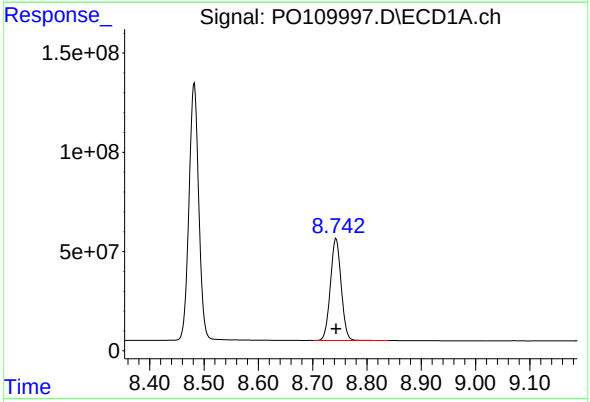
**Manual Integrations APPROVED**

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



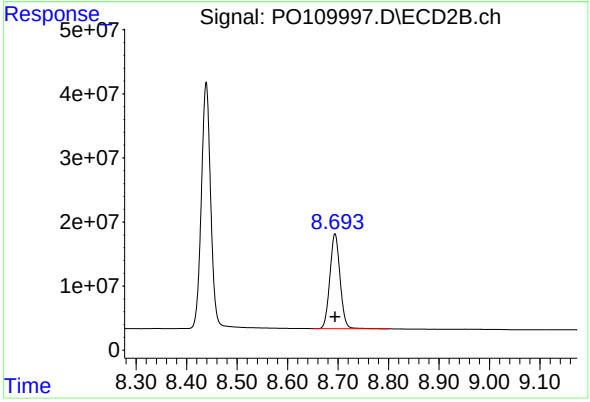

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 264095871
Conc: 50.00 ng/ml



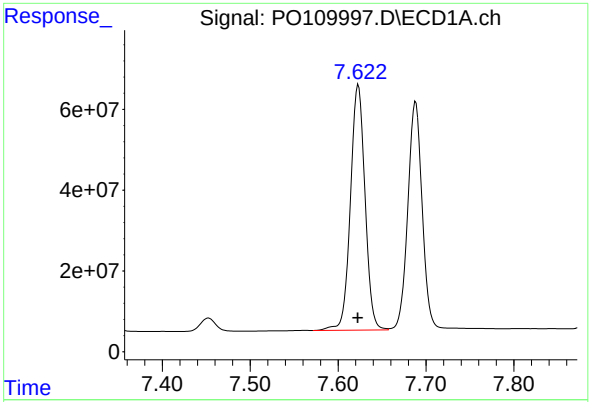

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 706011522
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 207212938
Conc: 50.00 ng/ml



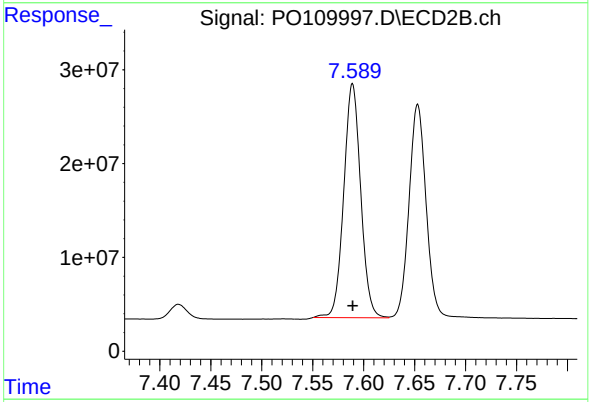

#41 AR-1268-1

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 700689003
Conc: 499.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

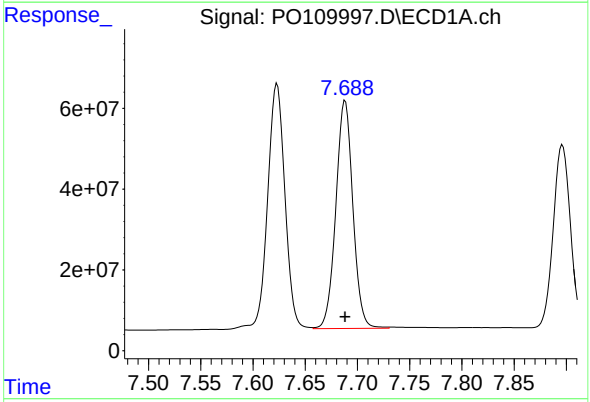
**Manual Integrations APPROVED**

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



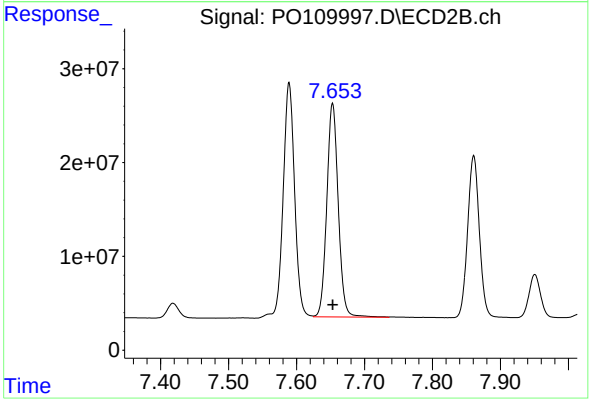

#41 AR-1268-1

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 289102857
Conc: 500.00 ng/ml



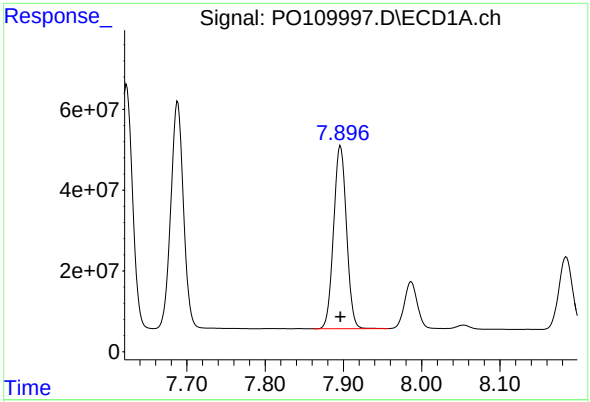

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 639816344
Conc: 500.00 ng/ml




#42 AR-1268-2

R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 266318012
Conc: 500.00 ng/ml



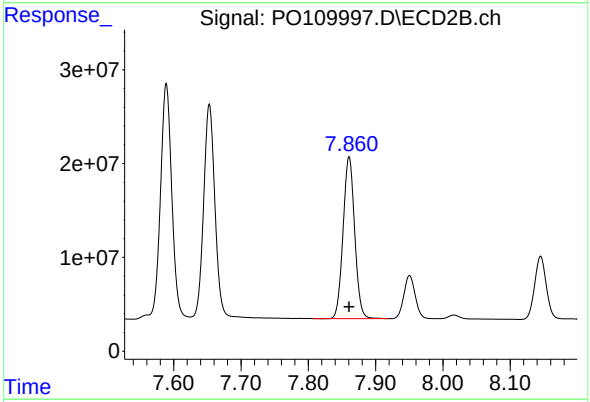

#43 AR-1268-3

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 519324293
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

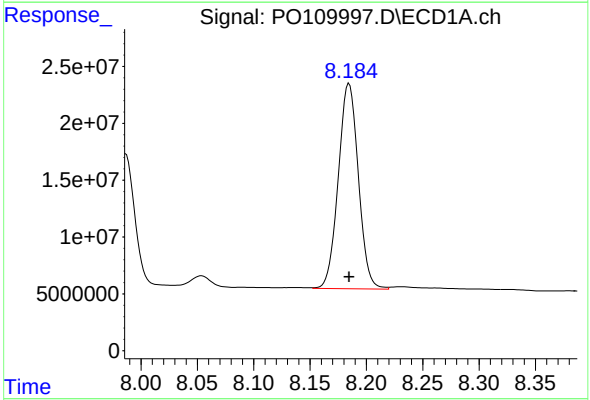
**Manual Integrations APPROVED**

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



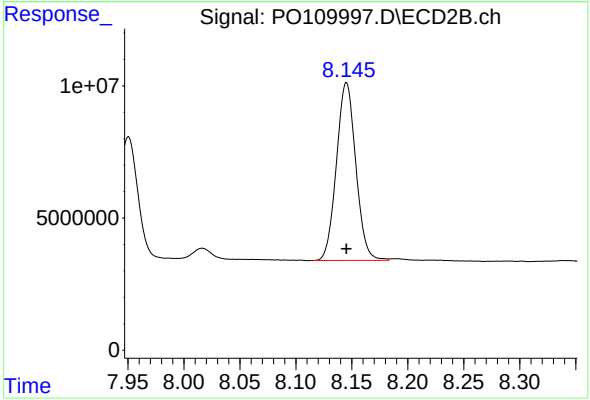

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 206458519
Conc: 500.00 ng/ml



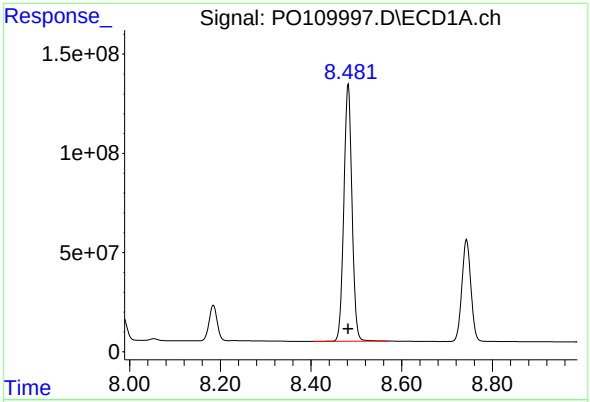

#44 AR-1268-4

R.T.: 8.185 min
Delta R.T.: 0.000 min
Response: 223719543
Conc: 500.00 ng/ml




#44 AR-1268-4

R.T.: 8.145 min
Delta R.T.: 0.000 min
Response: 81011977
Conc: 500.00 ng/ml



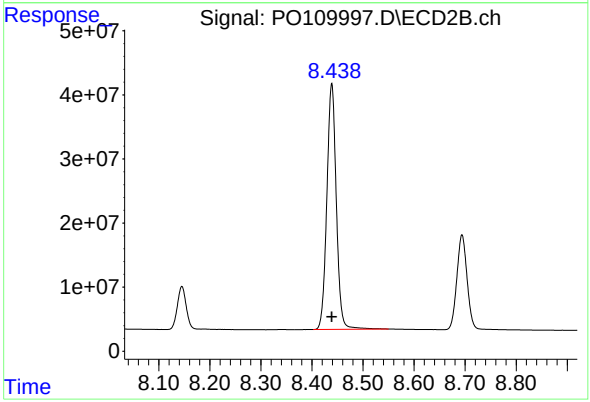

#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 1614304087
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

**Manual Integrations APPROVED**

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




#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 493570508
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

**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 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.690 | 233.0E6 | 133.0E6 | 25.112 | 25.182 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 364.2E6 | 110.3E6 | 25.791 | 26.624 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.623 | 7.590 | 357.9E6 | 149.6E6 | 255.005m | 258.814 |
| 42) | L9 AR-1268-2 | 7.688 | 7.654 | 330.4E6 | 137.2E6 | 258.196 | 257.558 |
| 43) | L9 AR-1268-3 | 7.897 | 7.861 | 264.1E6 | 107.0E6 | 254.288 | 259.017 |
| 44) | L9 AR-1268-4 | 8.184 | 8.146 | 118.3E6 | 42174671 | 264.470 | 260.299 |
| 45) | L9 AR-1268-5 | 8.482 | 8.439 | 811.9E6 | 254.0E6 | 251.483 | 257.325 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

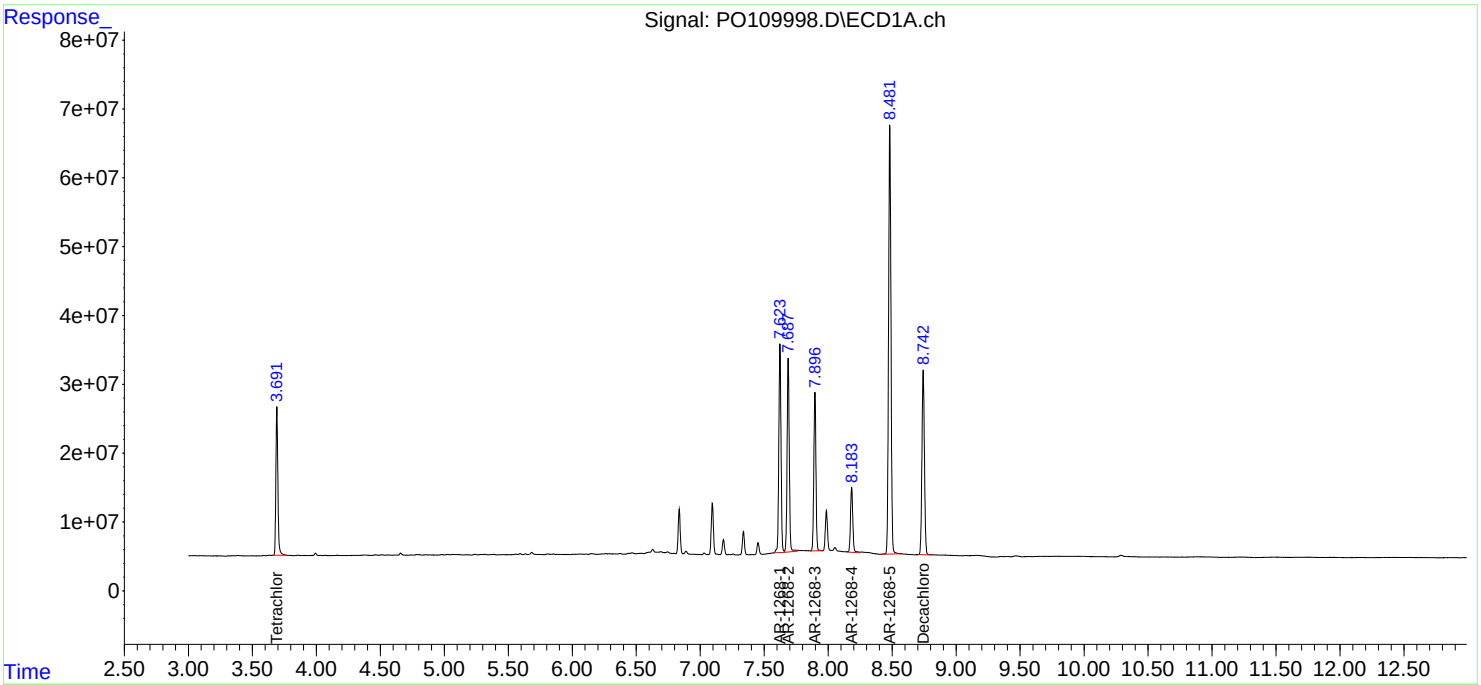
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

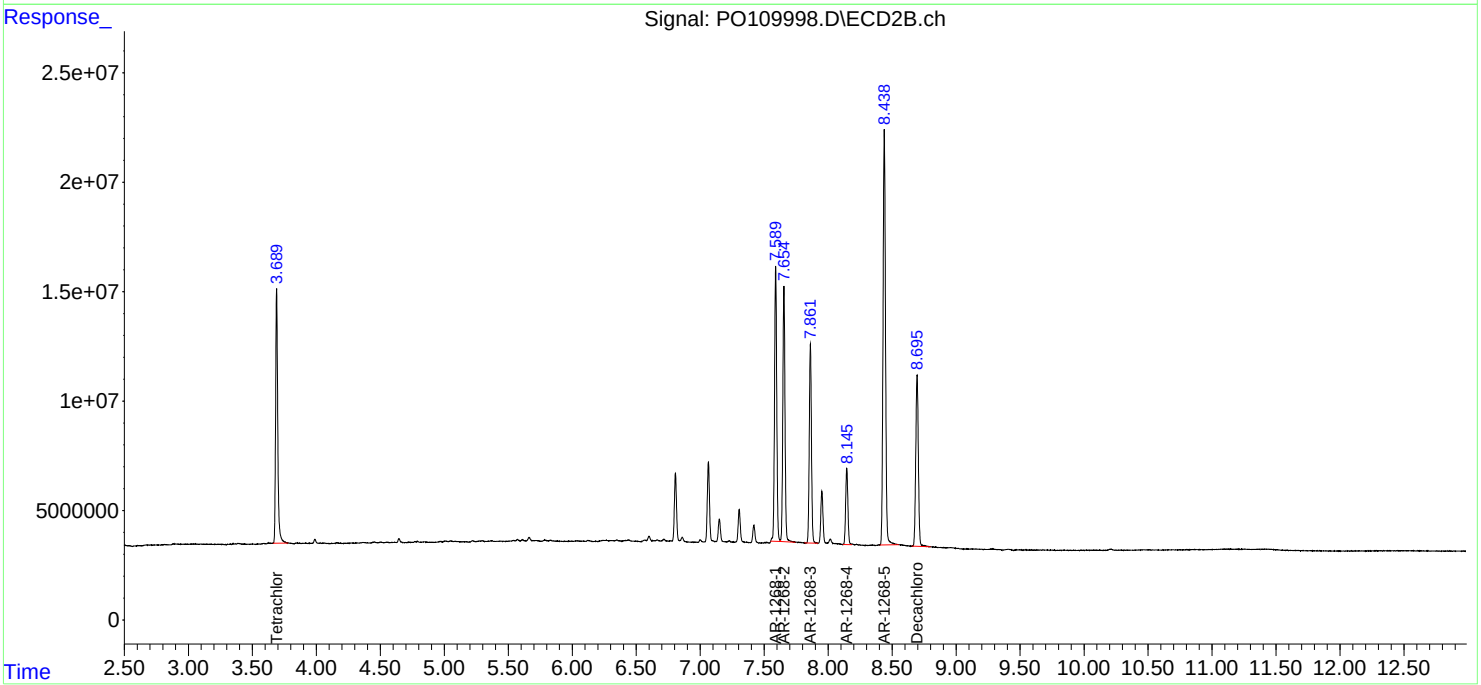
**Manual Integrations APPROVED**

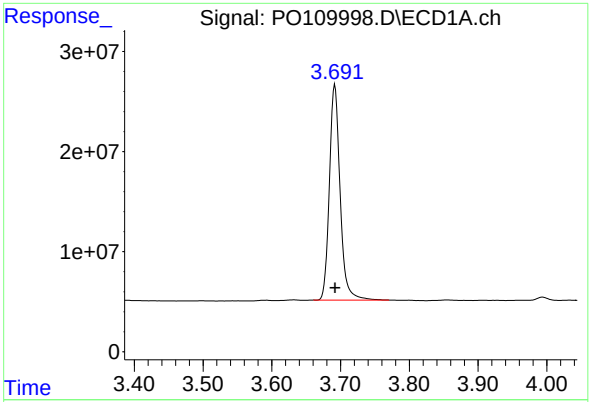
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





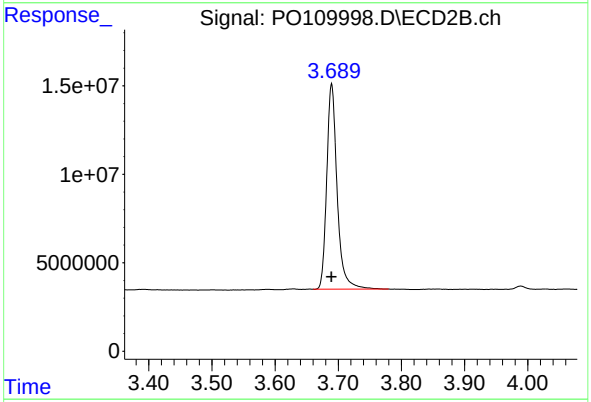

#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 232978846
Conc: 25.11 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

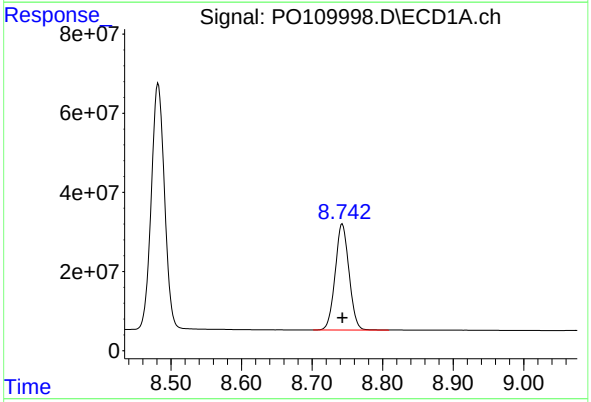
**Manual Integrations APPROVED**

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



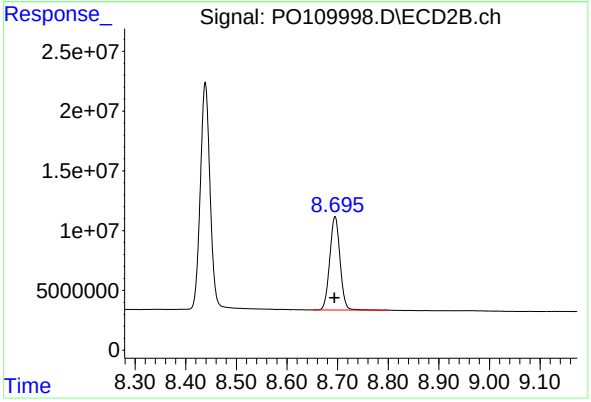

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 133010597
Conc: 25.18 ng/ml



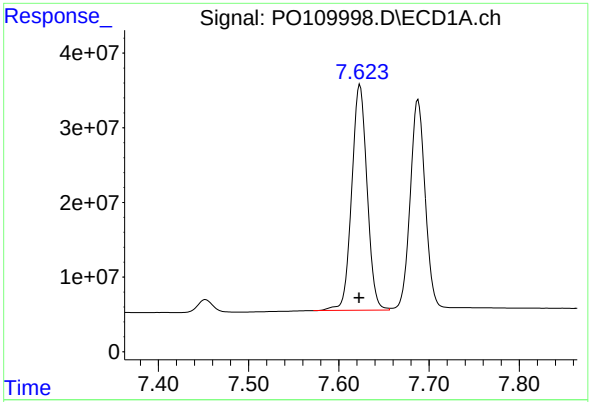

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 364169510
Conc: 25.79 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 110337267
Conc: 26.62 ng/ml



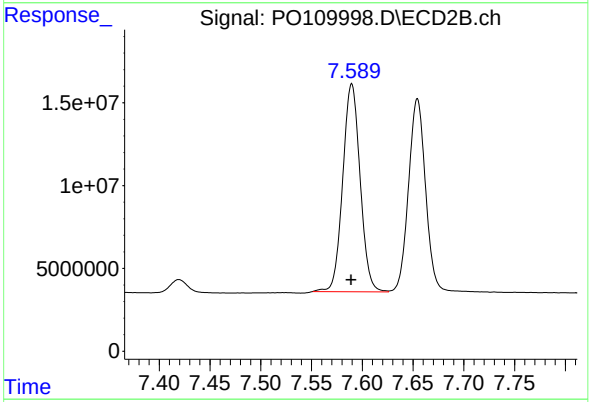

#41 AR-1268-1

R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 357855660
Conc: 255.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

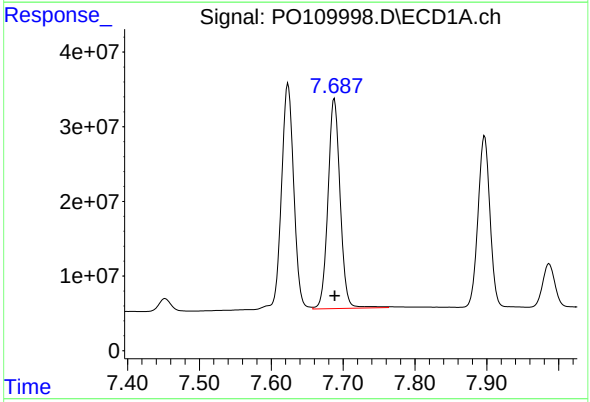
**Manual Integrations APPROVED**

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



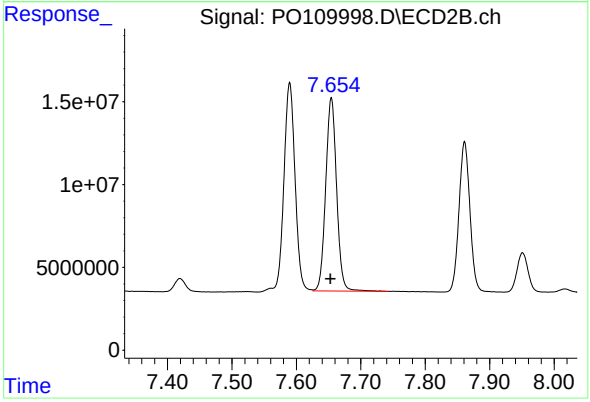

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 149647905
Conc: 258.81 ng/ml



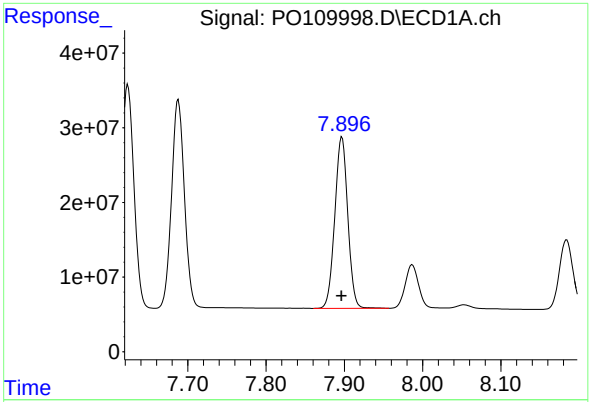

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 330395950
Conc: 258.20 ng/ml




#42 AR-1268-2

R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 137184821
Conc: 257.56 ng/ml



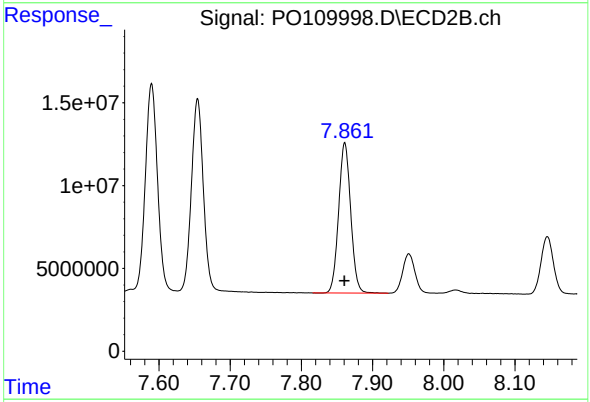

#43 AR-1268-3

R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 264115362
Conc: 254.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

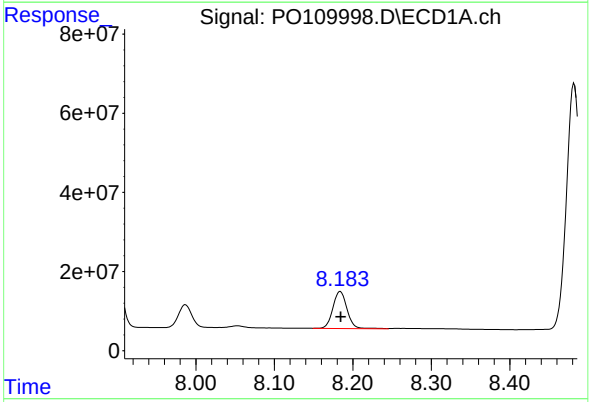
**Manual Integrations APPROVED**

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



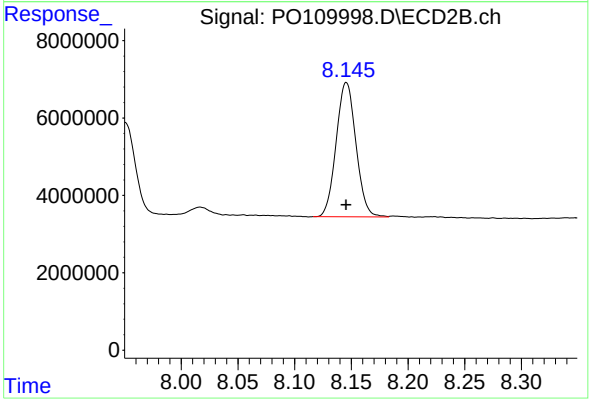

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 106952452
Conc: 259.02 ng/ml



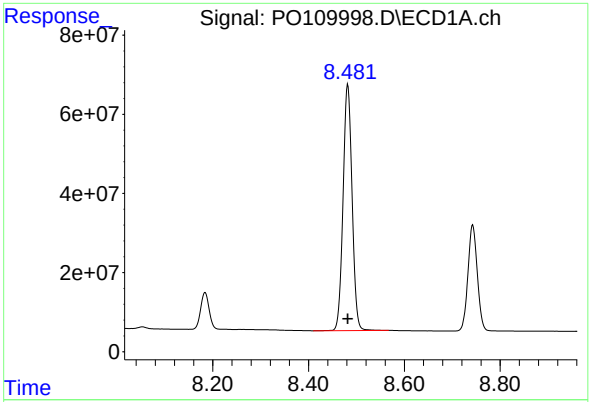

#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 118334390
Conc: 264.47 ng/ml




#44 AR-1268-4

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 42174671
Conc: 260.30 ng/ml



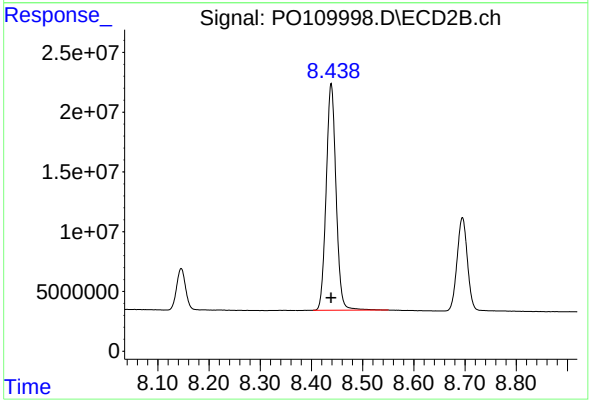

#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 811940473
Conc: 251.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

**Manual Integrations**
**APPROVED**

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




#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 254015607
Conc: 257.32 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

**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 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.691 | 3.688 | 44374914 | 25645349 | 4.783m | 4.855m |
| 2) | SA Decachlor... | 8.743 | 8.695 | 72973489 | 22764198 | 5.168 | 5.493 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.622 | 7.590 | 71178847 | 31006348 | 50.721m | 53.625 |
| 42) | L9 AR-1268-2 | 7.688 | 7.654 | 63525178 | 28112917 | 49.643 | 52.781 |
| 43) | L9 AR-1268-3 | 7.896 | 7.861 | 50172519 | 22018734 | 48.306 | 53.325 |
| 44) | L9 AR-1268-4 | 8.183 | 8.146 | 21758650 | 8301200 | 48.629m | 51.234 |
| 45) | L9 AR-1268-5 | 8.481 | 8.438 | 151.8E6 | 51592382 | 47.022 | 52.264 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

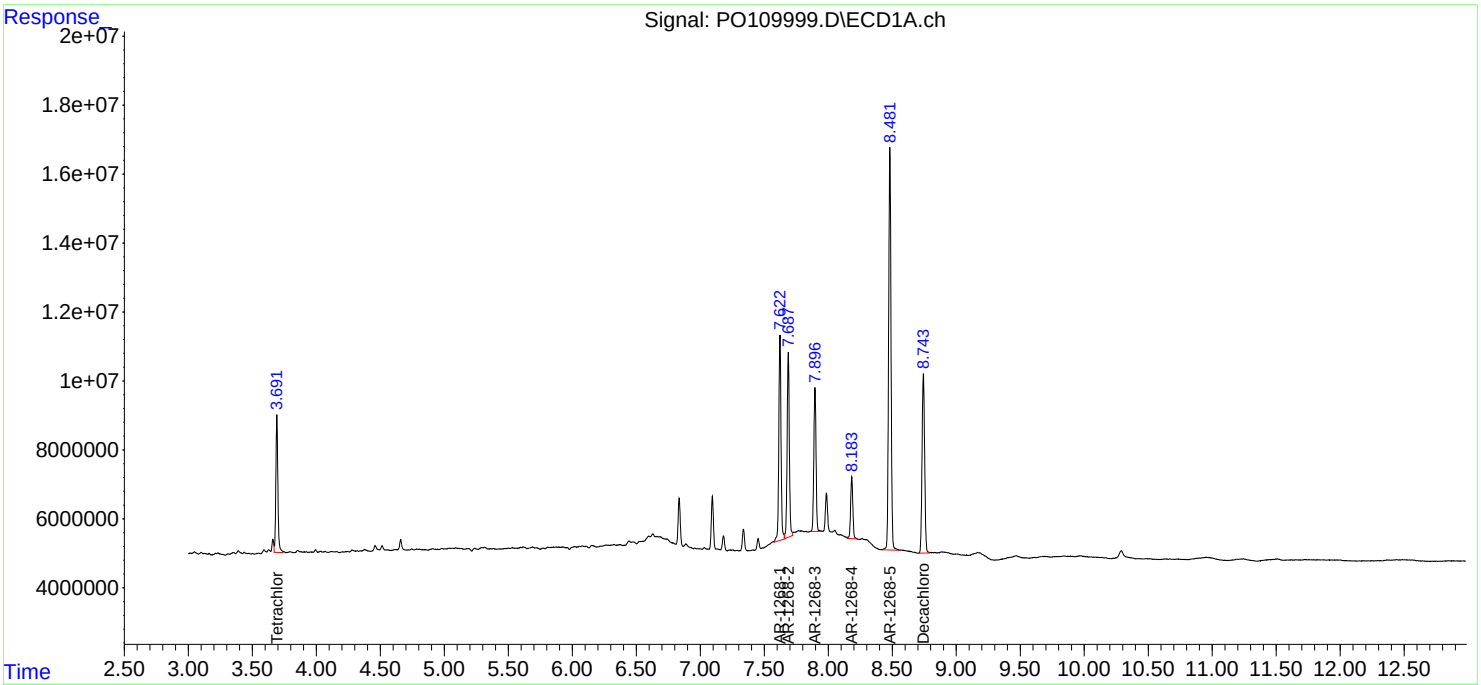
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

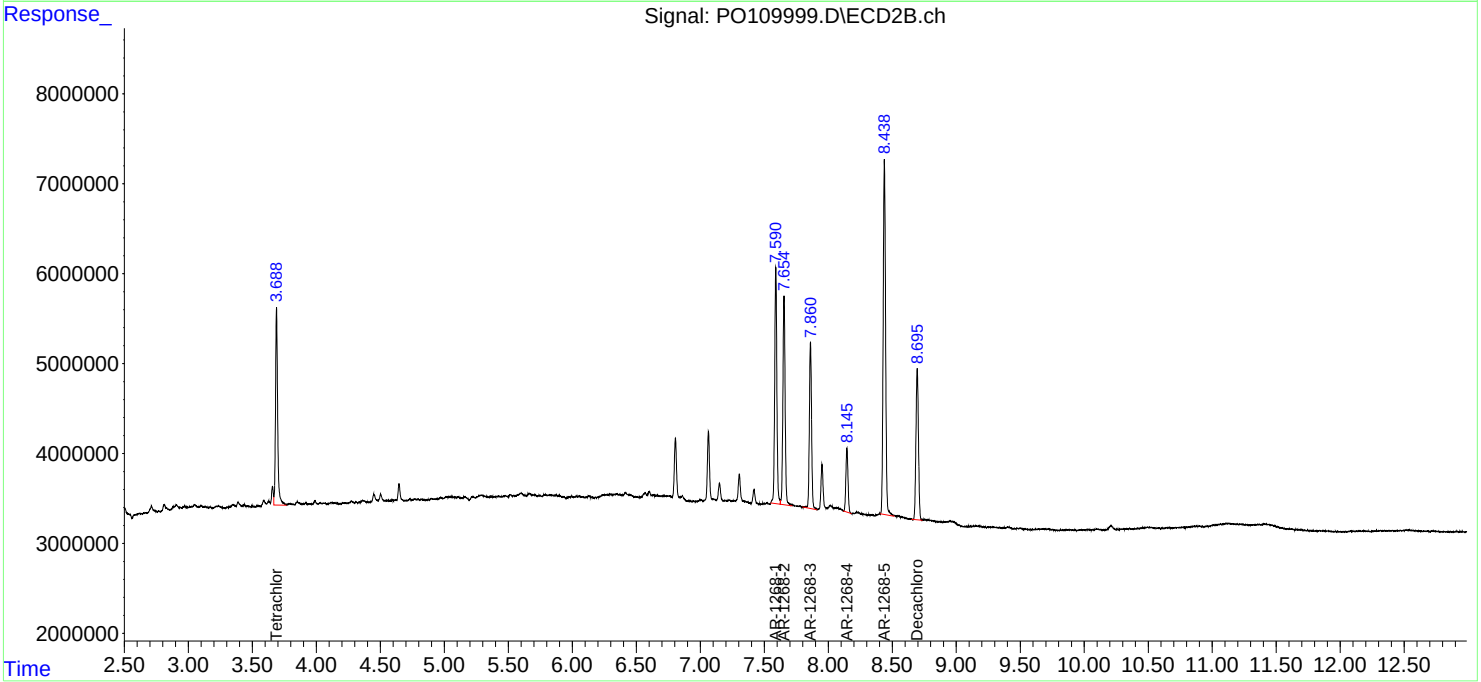
**Manual Integrations APPROVED**

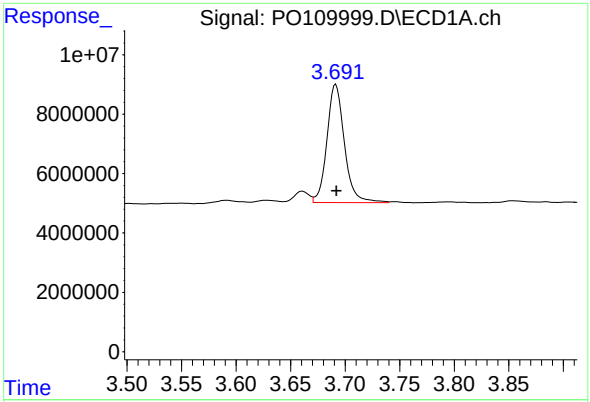
Reviewed By :Yogesh Patel 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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





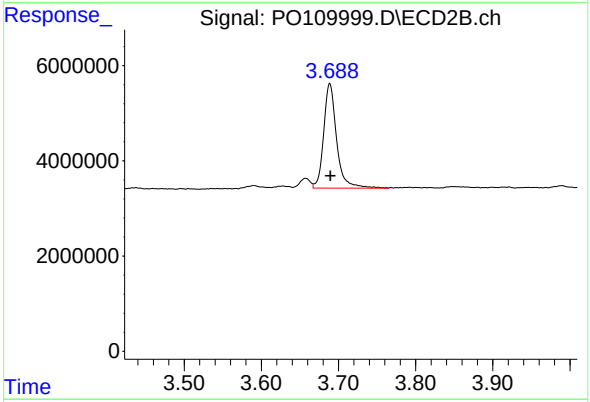

#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 44374914
Conc: 4.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

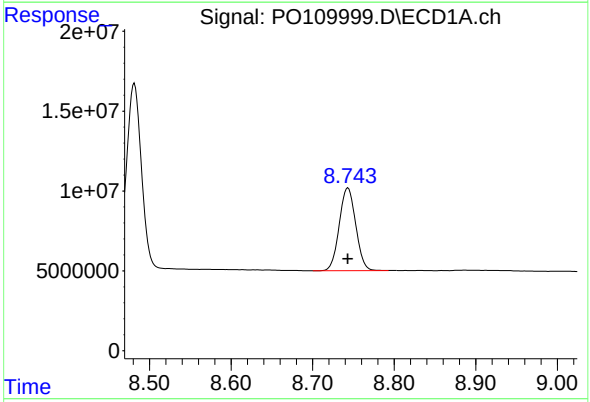
**Manual Integrations APPROVED**

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



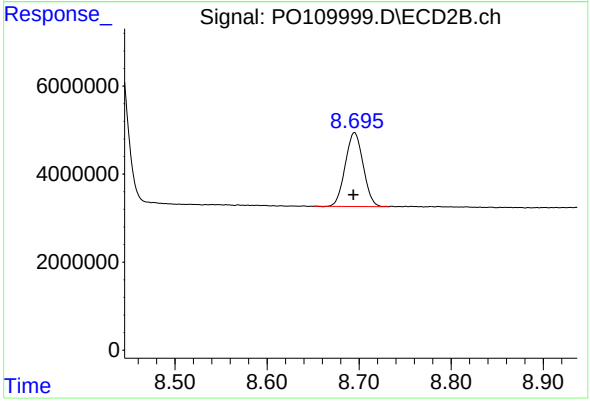

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.001 min
Response: 25645349
Conc: 4.86 ng/ml m



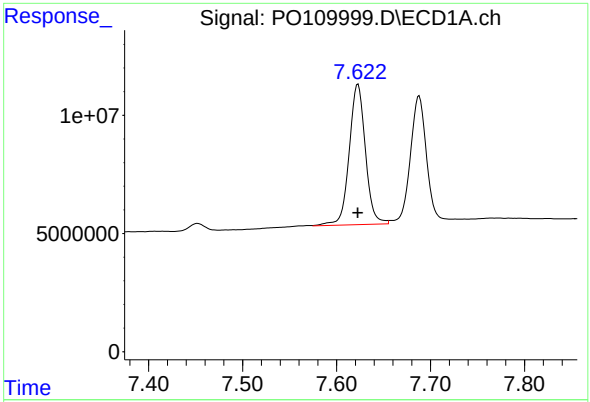

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 72973489
Conc: 5.17 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 22764198
Conc: 5.49 ng/ml



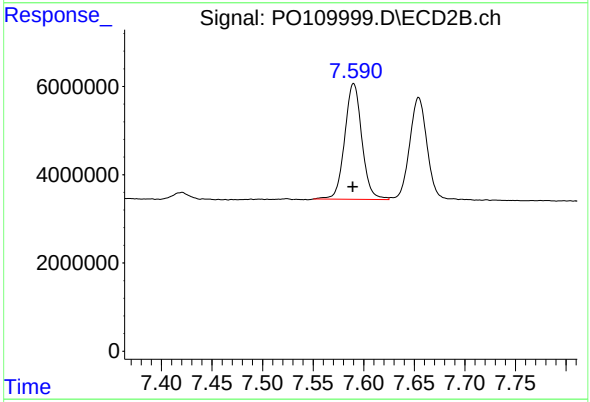

#41 AR-1268-1

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 71178847
Conc: 50.72 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

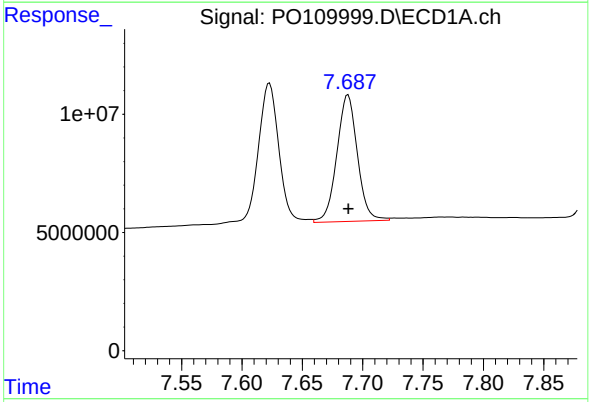
**Manual Integrations APPROVED**

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



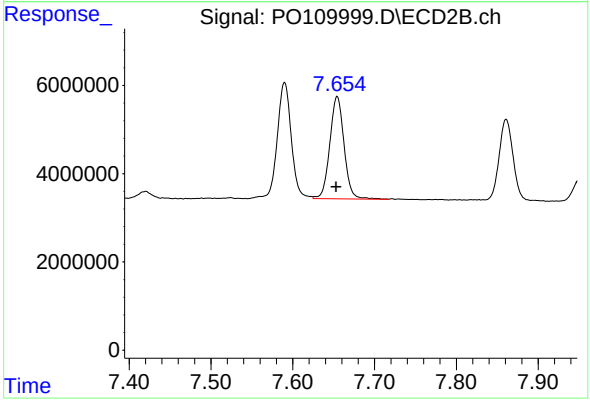

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 31006348
Conc: 53.63 ng/ml



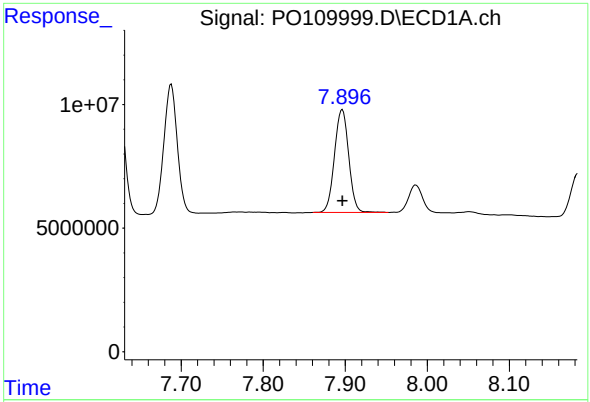

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 63525178
Conc: 49.64 ng/ml




#42 AR-1268-2

R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 28112917
Conc: 52.78 ng/ml



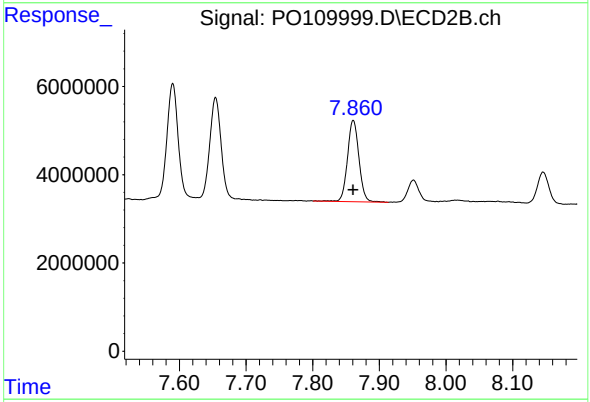

#43 AR-1268-3

R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 50172519
Conc: 48.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

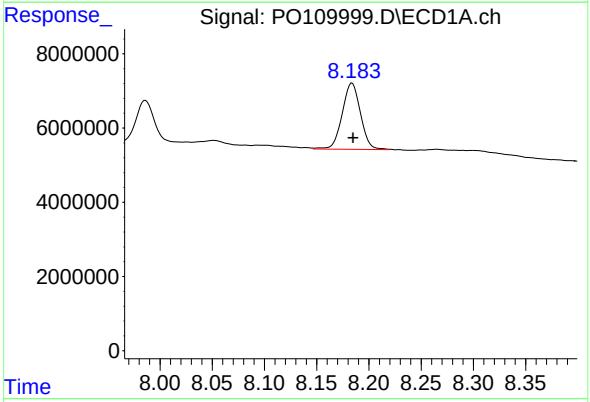
**Manual Integrations APPROVED**

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



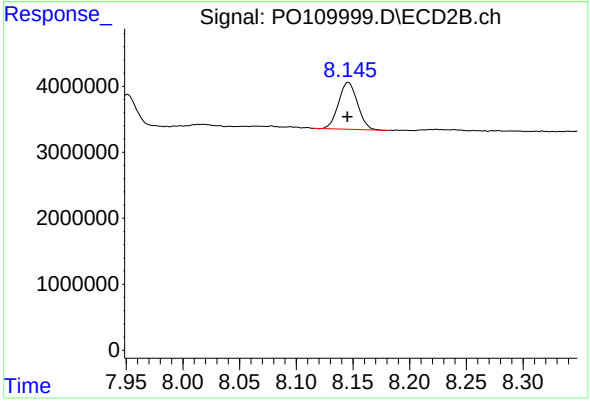

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 22018734
Conc: 53.32 ng/ml



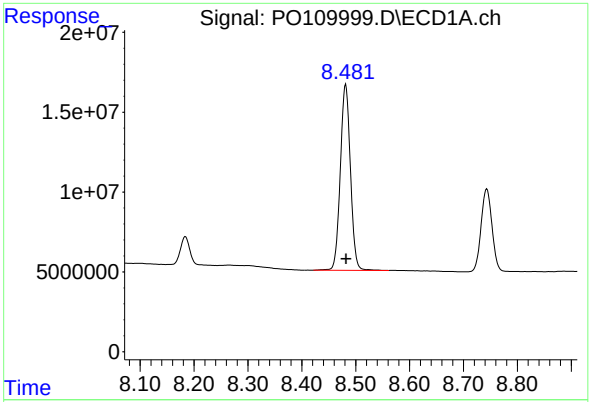

#44 AR-1268-4

R.T.: 8.183 min
Delta R.T.: -0.001 min
Response: 21758650
Conc: 48.63 ng/ml m




#44 AR-1268-4

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 8301200
Conc: 51.23 ng/ml



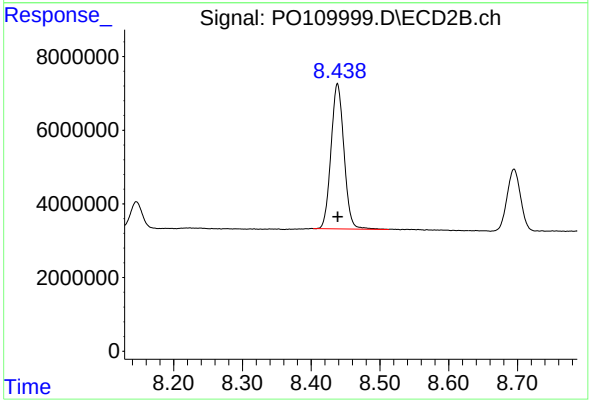

#45 AR-1268-5

R.T.: 8.481 min
Delta R.T.: 0.000 min
Response: 151815895
Conc: 47.02 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

**Manual Integrations**
**APPROVED**

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




#45 AR-1268-5

R.T.: 8.438 min
Delta R.T.: 0.000 min
Response: 51592382
Conc: 52.26 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:34
Operator : YP/AJ
Sample : PO031925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:41:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:39:38 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 445.5E6 | 261.7E6 | 48.943 | 49.897 |
| 2) | SA Decachlor... | 8.744 | 8.696 | 386.1E6 | 117.6E6 | 50.211 | 48.467 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.784 | 4.771 | 165.3E6 | 89338991 | 491.286 | 487.512 |
| 4) | L1 AR-1016-2 | 4.804 | 4.790 | 229.3E6 | 128.0E6 | 494.517 | 489.369 |
| 5) | L1 AR-1016-3 | 4.860 | 4.966 | 158.0E6 | 69159098 | 492.753 | 487.796 |
| 6) | L1 AR-1016-4 | 4.981 | 5.008 | 124.5E6 | 57510192 | 492.750 | 487.665 |
| 7) | L1 AR-1016-5 | 5.238 | 5.221 | 133.3E6 | 74393726 | 484.896 | 486.492 |
| 31) | L7 AR-1260-1 | 6.280 | 6.253 | 235.0E6 | 125.1E6 | 498.624 | 489.686 |
| 32) | L7 AR-1260-2 | 6.469 | 6.441 | 287.0E6 | 145.2E6 | 481.955 | 483.545 |
| 33) | L7 AR-1260-3 | 6.837 | 6.594 | 243.8E6 | 137.4E6 | 502.299 | 475.363 |
| 34) | L7 AR-1260-4 | 7.097 | 7.065 | 212.4E6 | 103.8E6 | 500.751 | 482.426 |
| 35) | L7 AR-1260-5 | 7.339 | 7.306 | 531.0E6 | 241.3E6 | 507.683 | 483.788 |

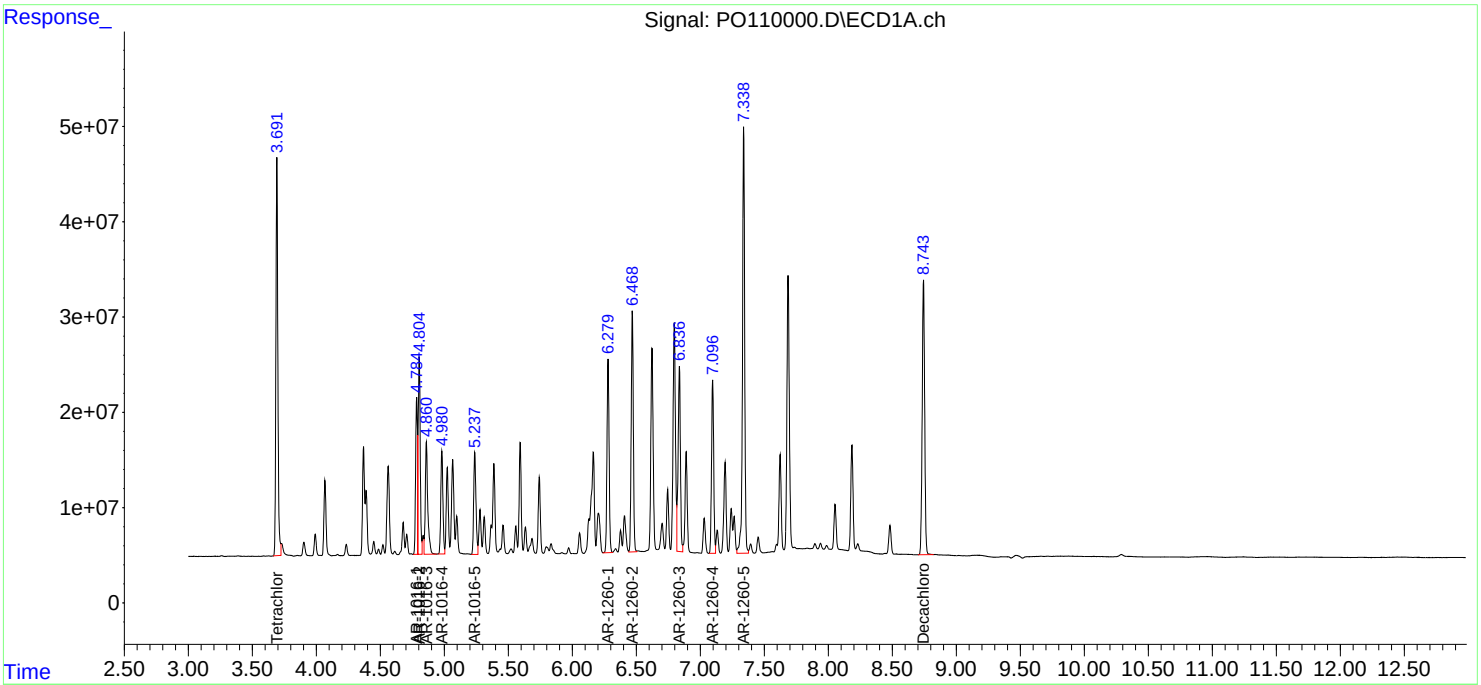
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

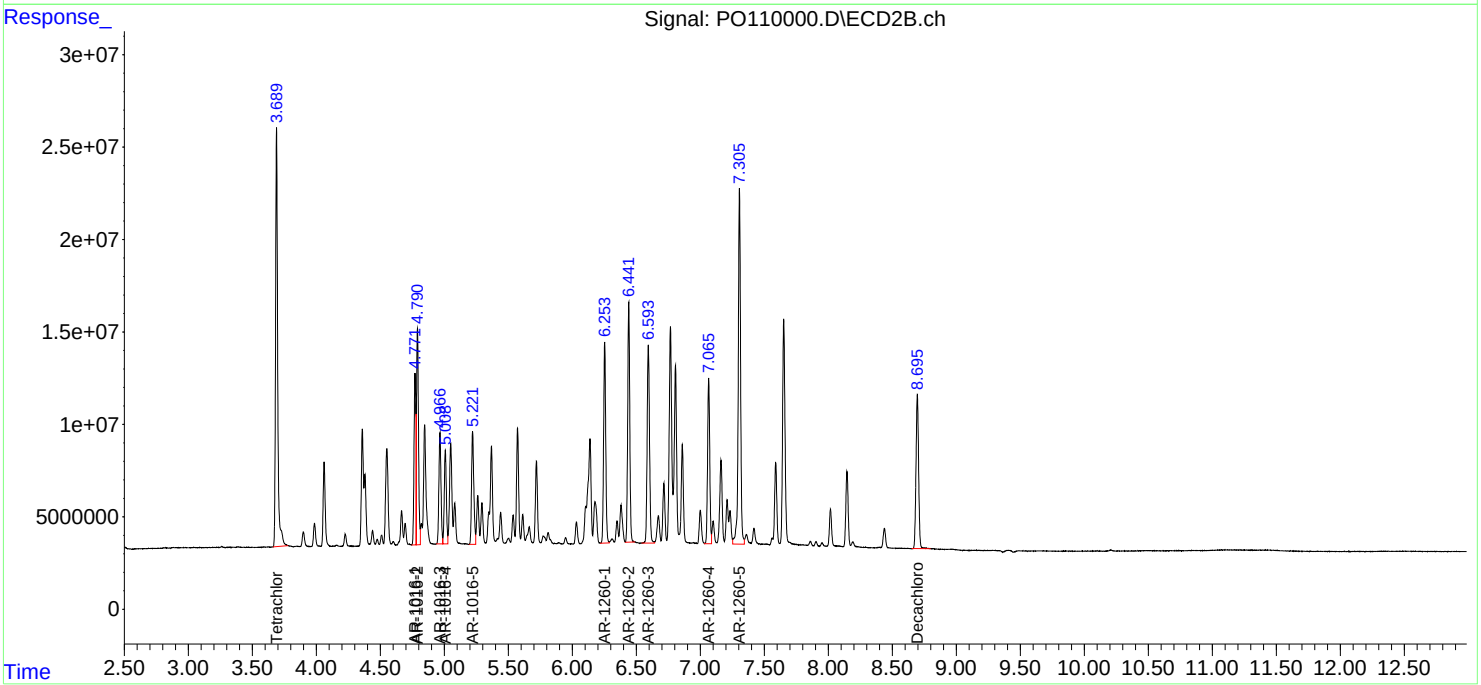
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110000.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:34
Operator : YP/AJ
Sample : PO031925ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

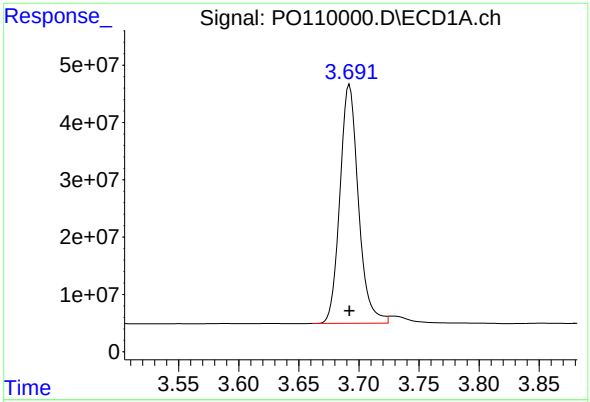
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:41:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:39:38 2025
Response via : Initial Calibration
Integrator: ChemStation

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



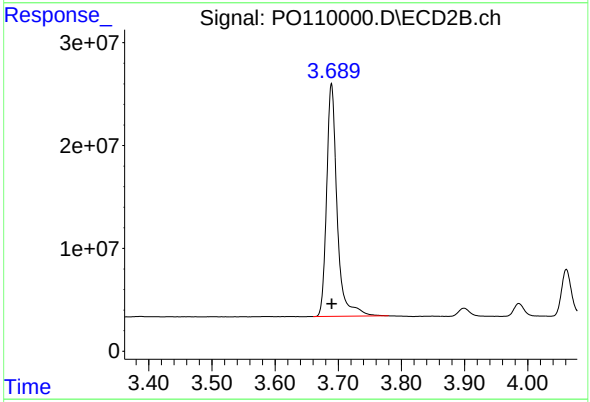






#1 Tetrachloro-m-xylene

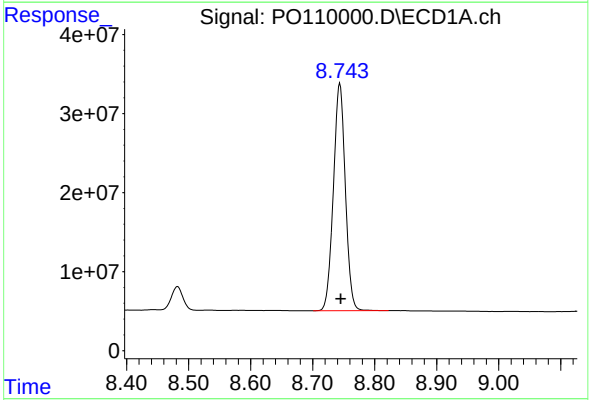
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 445455679
Conc: 48.94 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



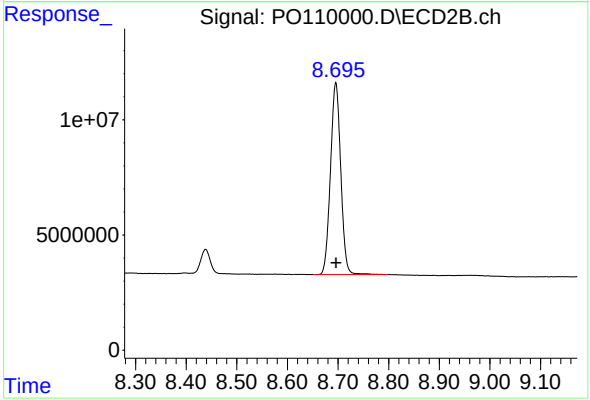

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 261663576
Conc: 49.90 ng/ml



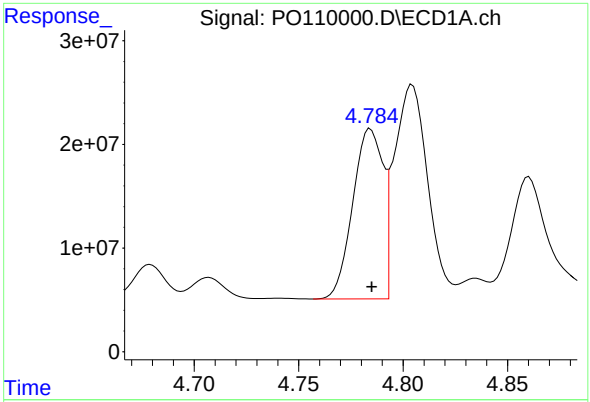

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 386058371
Conc: 50.21 ng/ml




#2 Decachlorobiphenyl

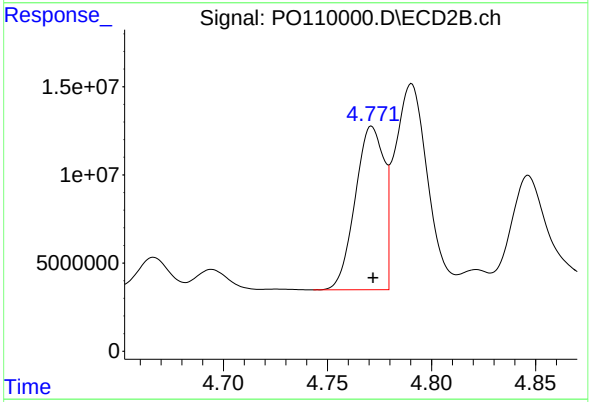
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 117585250
Conc: 48.47 ng/ml




#3 AR-1016-1

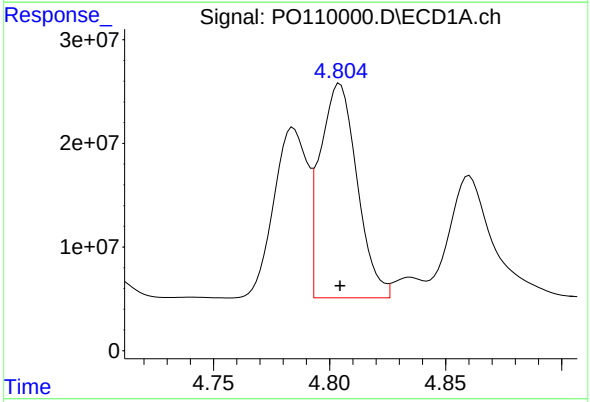
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 165339415
Conc: 491.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



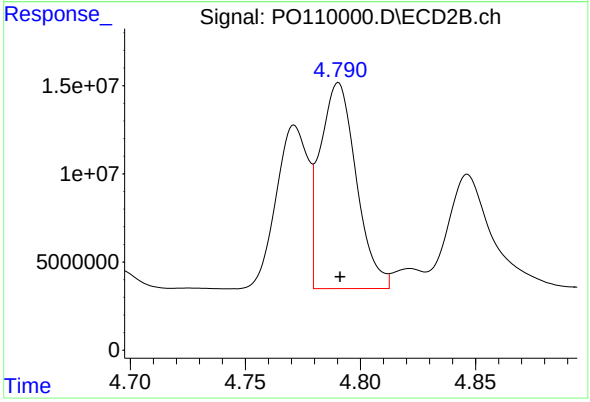

#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 89338991
Conc: 487.51 ng/ml



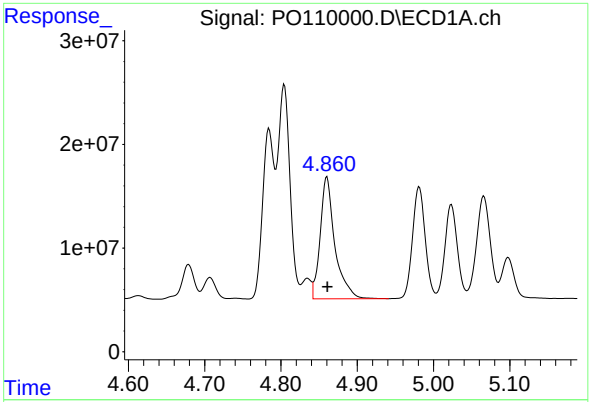

#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 229300386
Conc: 494.52 ng/ml




#4 AR-1016-2

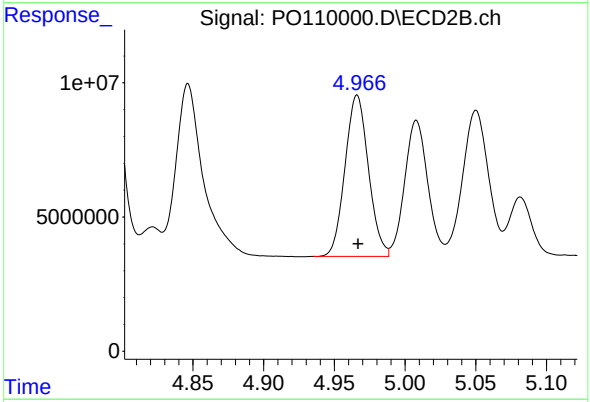
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 127972100
Conc: 489.37 ng/ml




#5 AR-1016-3

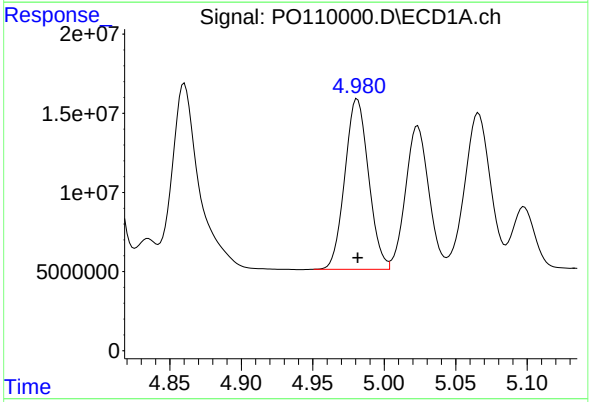
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 157969845
Conc: 492.75 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



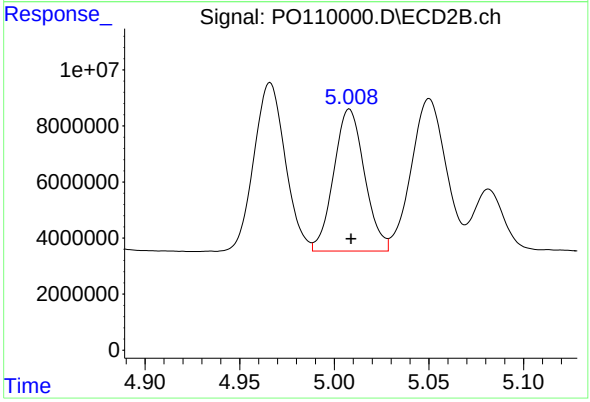

#5 AR-1016-3

R.T.: 4.966 min
Delta R.T.: 0.000 min
Response: 69159098
Conc: 487.80 ng/ml



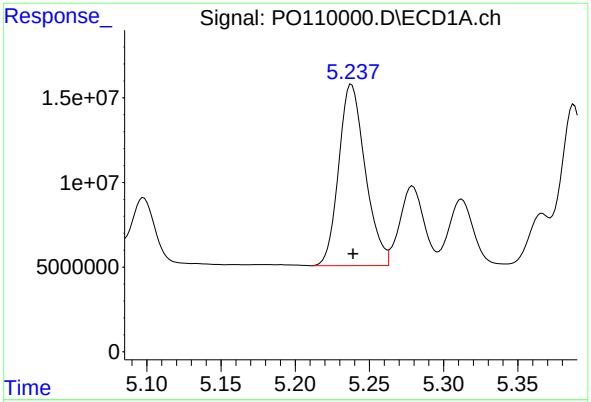

#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 124512743
Conc: 492.75 ng/ml




#6 AR-1016-4

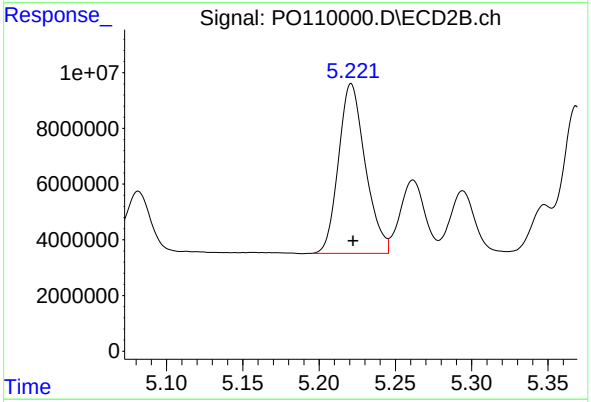
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 57510192
Conc: 487.66 ng/ml




#7 AR-1016-5

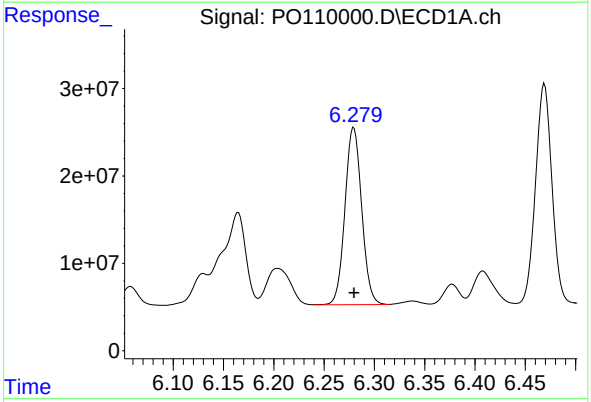
R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 133281979
Conc: 484.90 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



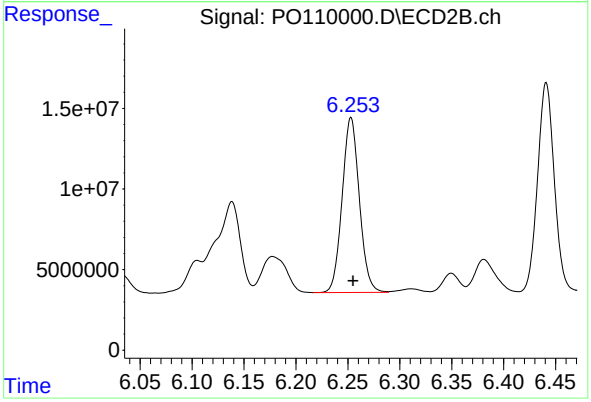

#7 AR-1016-5

R.T.: 5.221 min
Delta R.T.: -0.001 min
Response: 74393726
Conc: 486.49 ng/ml



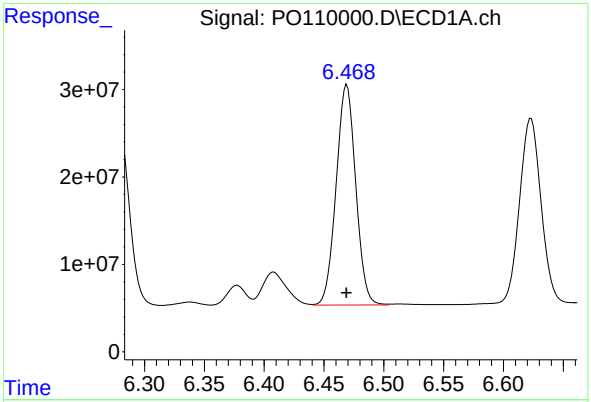

#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 235026886
Conc: 498.62 ng/ml




#31 AR-1260-1

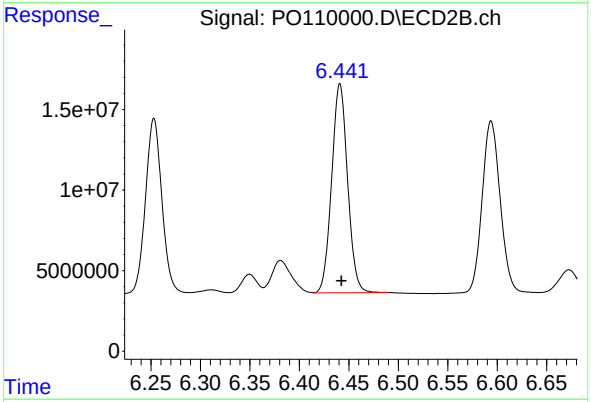
R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 125086324
Conc: 489.69 ng/ml




#32 AR-1260-2

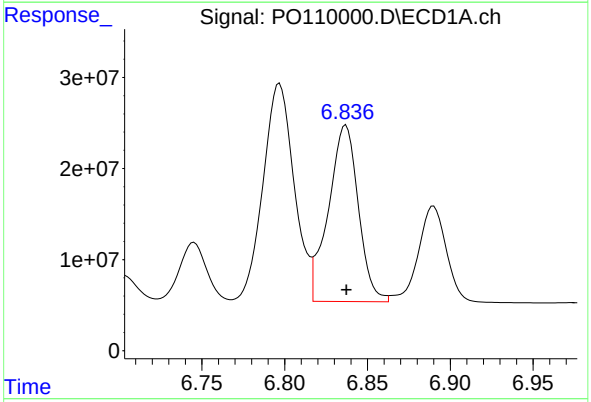
R.T.: 6.469 min
Delta R.T.: 0.000 min
Response: 287013411
Conc: 481.95 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



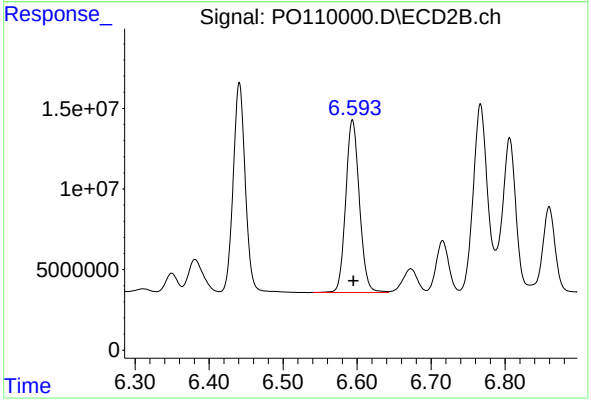

#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: -0.001 min
Response: 145201446
Conc: 483.54 ng/ml



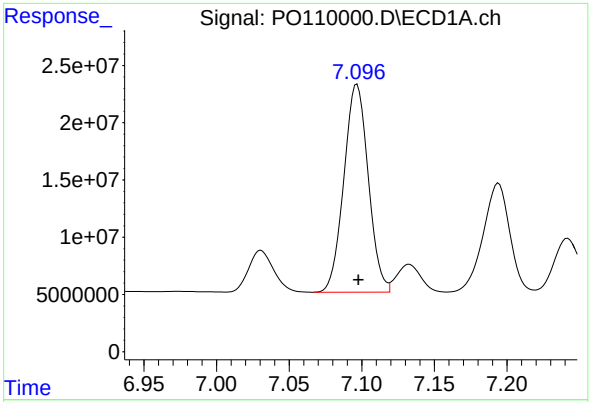

#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 243766592
Conc: 502.30 ng/ml




#33 AR-1260-3

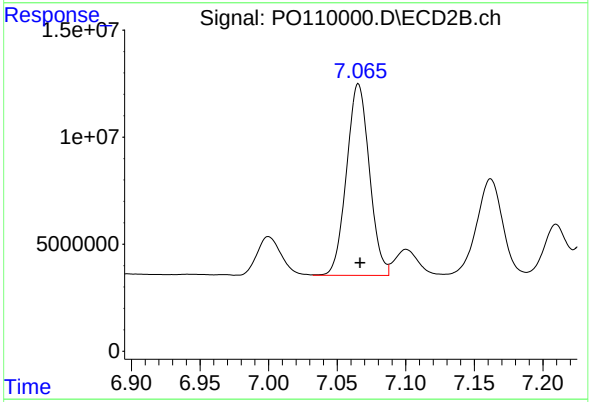
R.T.: 6.594 min
Delta R.T.: -0.001 min
Response: 137371501
Conc: 475.36 ng/ml




#34 AR-1260-4

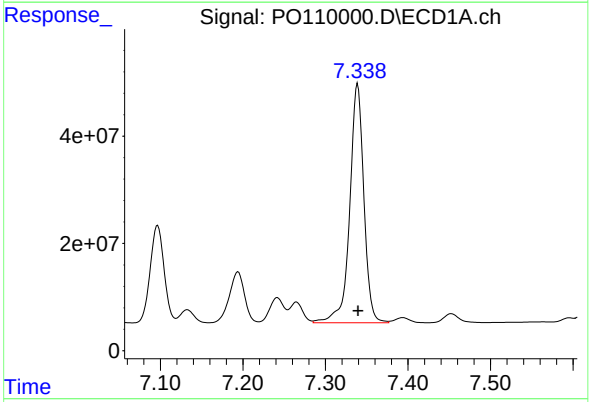
R.T.: 7.097 min
Delta R.T.: 0.000 min
Response: 212402639
Conc: 500.75 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925



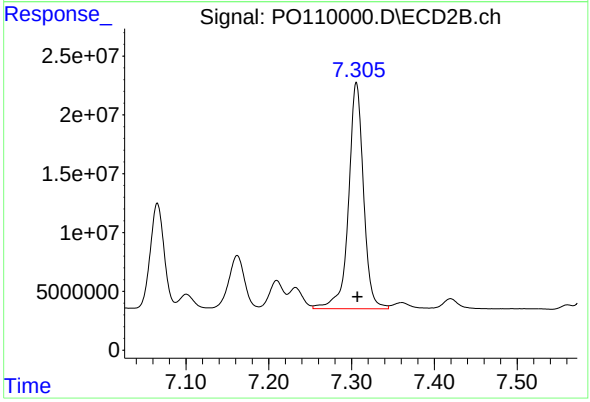

#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: -0.001 min
Response: 103759489
Conc: 482.43 ng/ml




#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 530958243
Conc: 507.68 ng/ml




#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: -0.001 min
Response: 241263068
Conc: 483.79 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 23:47
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:43:41 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 445.5E6 | 254.1E6 | 52.578 | 52.663 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 378.1E6 | 113.8E6 | 52.496 | 50.899 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.785 | 4.771 | 138.5E6 | 75308322 | 517.896 | 515.050 |
| 17) | L4 AR-1242-2 | 4.804 | 4.791 | 190.3E6 | 107.0E6 | 516.964 | 514.473 |
| 18) | L4 AR-1242-3 | 4.861 | 4.966 | 132.7E6 | 58059678 | 514.485 | 520.188 |
| 19) | L4 AR-1242-4 | 4.981 | 5.050 | 104.1E6 | 58816332 | 520.236 | 507.140 |
| 20) | L4 AR-1242-5 | 5.634 | 5.572 | 109.1E6 | 71078329 | 516.760 | 517.905 |

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

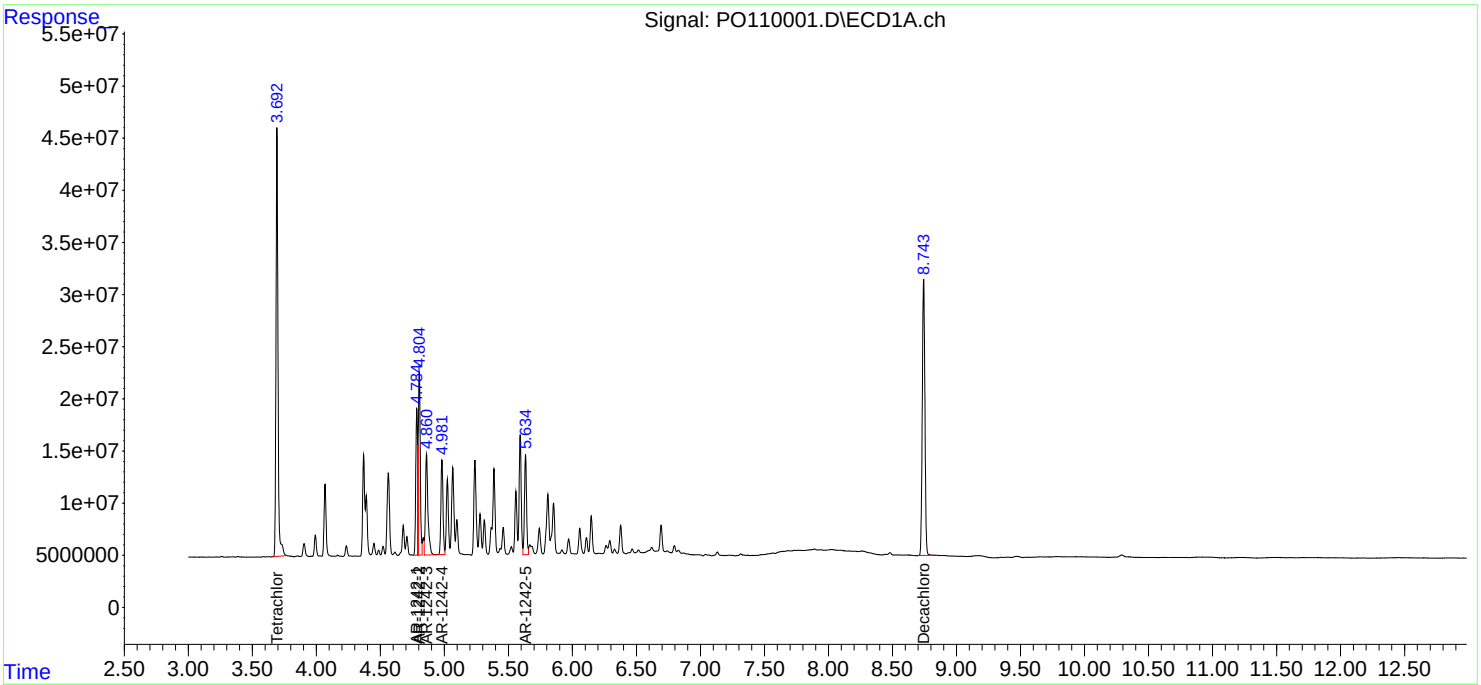
ICAL Form

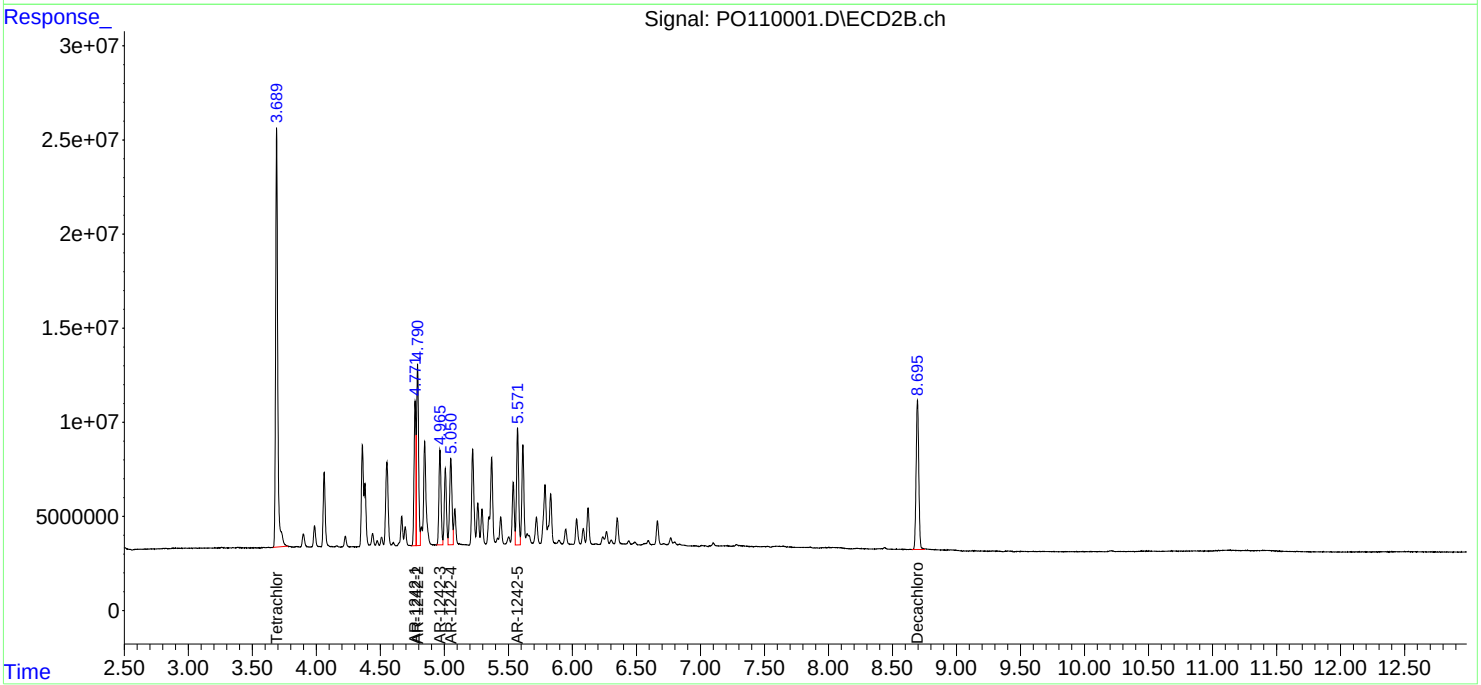
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110001.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 23:47
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

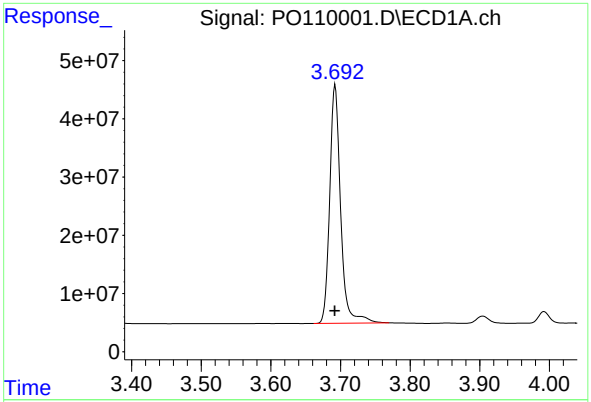
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:45:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:43:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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



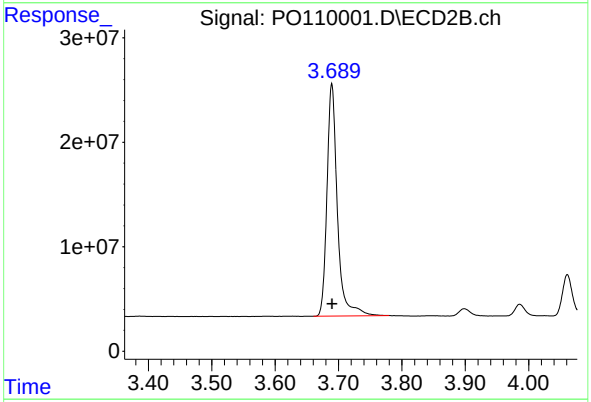






#1 Tetrachloro-m-xylene

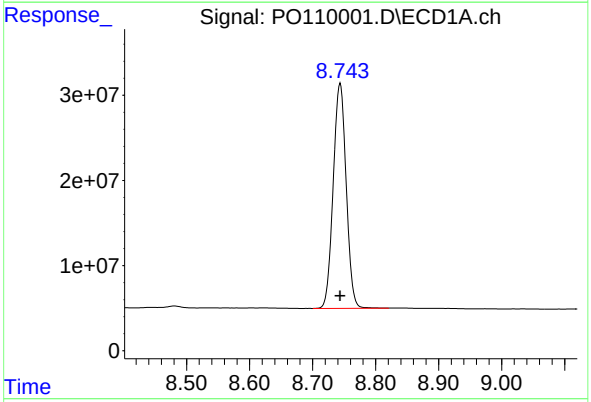
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 445457667
Conc: 52.58 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242



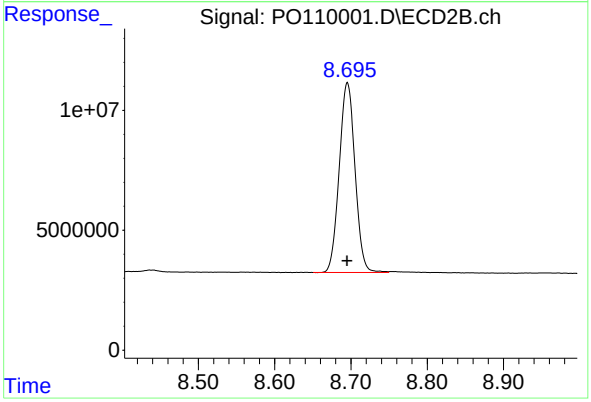

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 254125961
Conc: 52.66 ng/ml



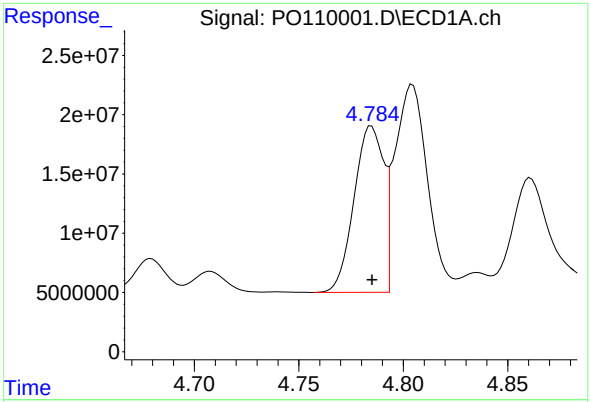

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 378060054
Conc: 52.50 ng/ml




#2 Decachlorobiphenyl

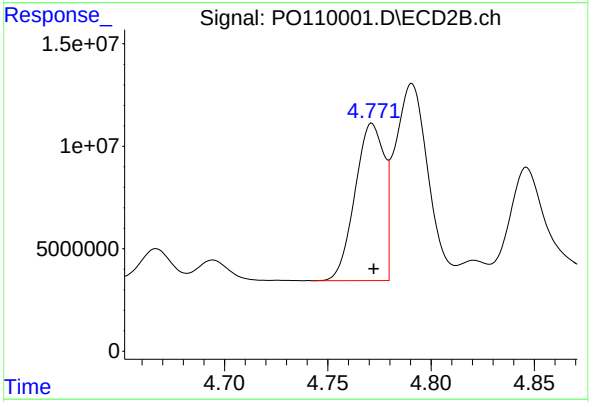
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 113786439
Conc: 50.90 ng/ml




#16 AR-1242-1

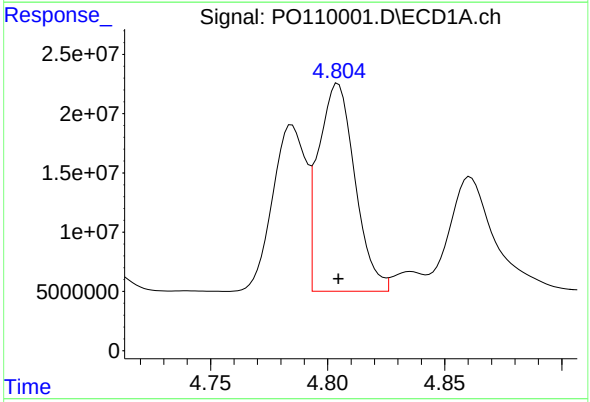
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 138489149
Conc: 517.90 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242



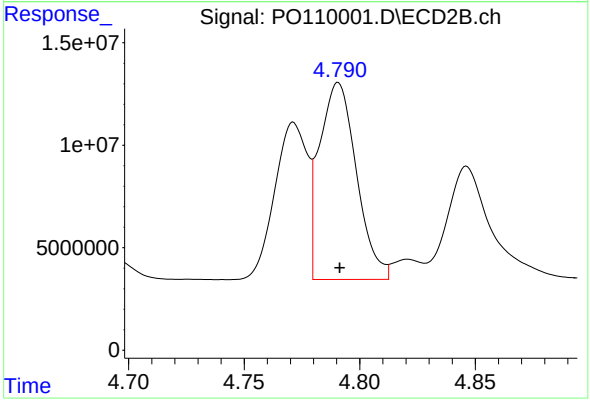

#16 AR-1242-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 75308322
Conc: 515.05 ng/ml



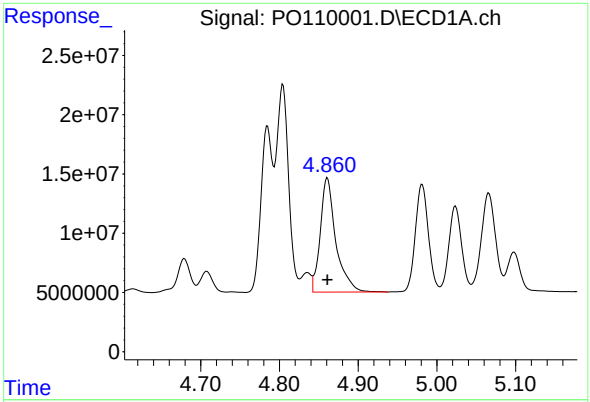

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 190347656
Conc: 516.96 ng/ml




#17 AR-1242-2

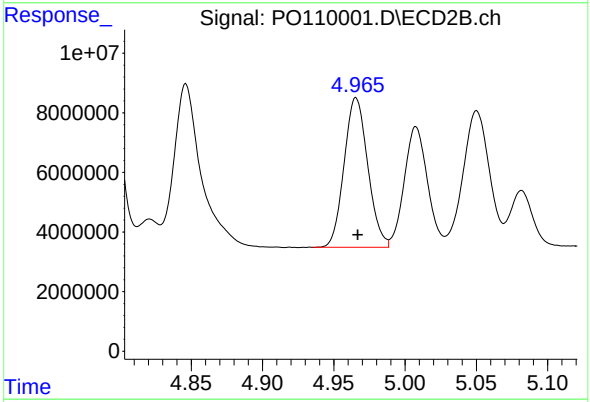
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 107028573
Conc: 514.47 ng/ml




#18 AR-1242-3

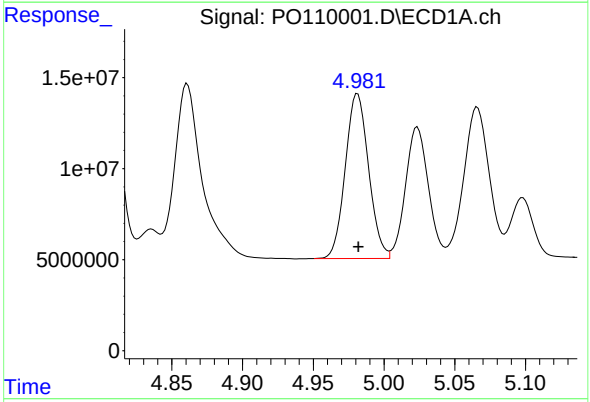
R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 132711818
Conc: 514.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242



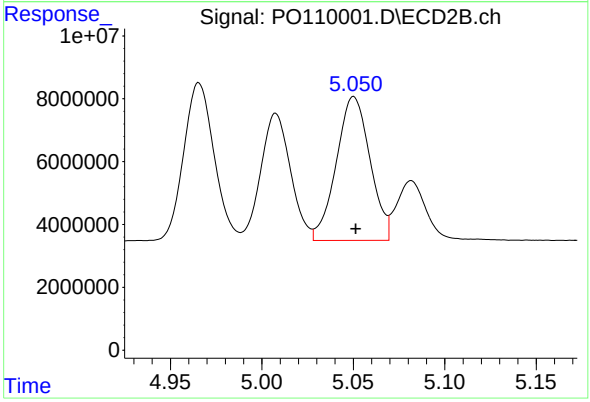

#18 AR-1242-3

R.T.: 4.966 min
Delta R.T.: -0.001 min
Response: 58059678
Conc: 520.19 ng/ml



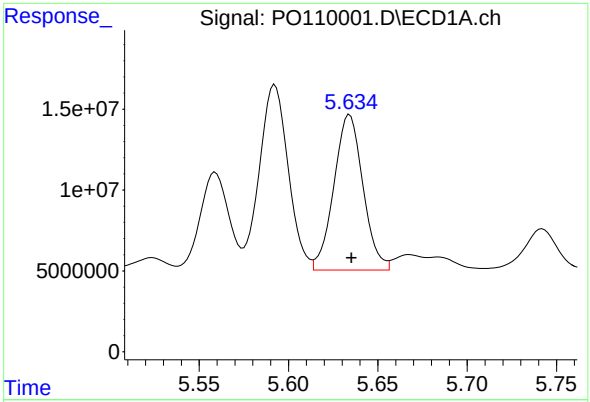

#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 104096142
Conc: 520.24 ng/ml




#19 AR-1242-4

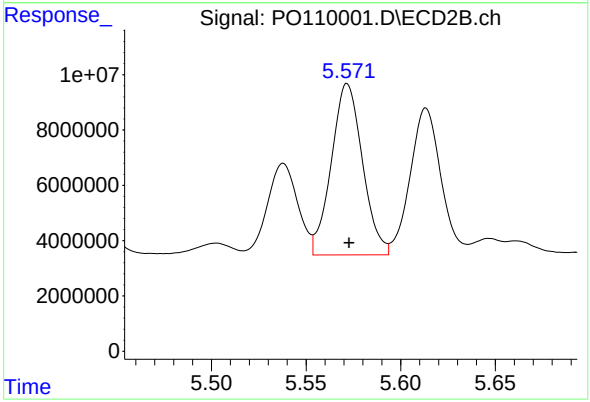
R.T.: 5.050 min
Delta R.T.: -0.001 min
Response: 58816332
Conc: 507.14 ng/ml




#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 109065446
Conc: 516.76 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1242




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 71078329
Conc: 517.90 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:05
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.692 | 3.689 | 453.1E6 | 257.7E6 | 48.851 | 48.659 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 387.8E6 | 116.2E6 | 49.748 | 49.559 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.784 | 4.771 | 108.4E6 | 58618795 | 492.939 | 487.181 |
| 22) | L5 AR-1248-2 | 5.023 | 5.008 | 147.5E6 | 82104463 | 489.895 | 487.213 |
| 23) | L5 AR-1248-3 | 5.238 | 5.050 | 184.5E6 | 87652547 | 492.701 | 489.391 |
| 24) | L5 AR-1248-4 | 5.592 | 5.221 | 258.0E6 | 102.0E6 | 493.069 | 489.250 |
| 25) | L5 AR-1248-5 | 5.634 | 5.613 | 182.7E6 | 99745645 | 494.045 | 489.737 |

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

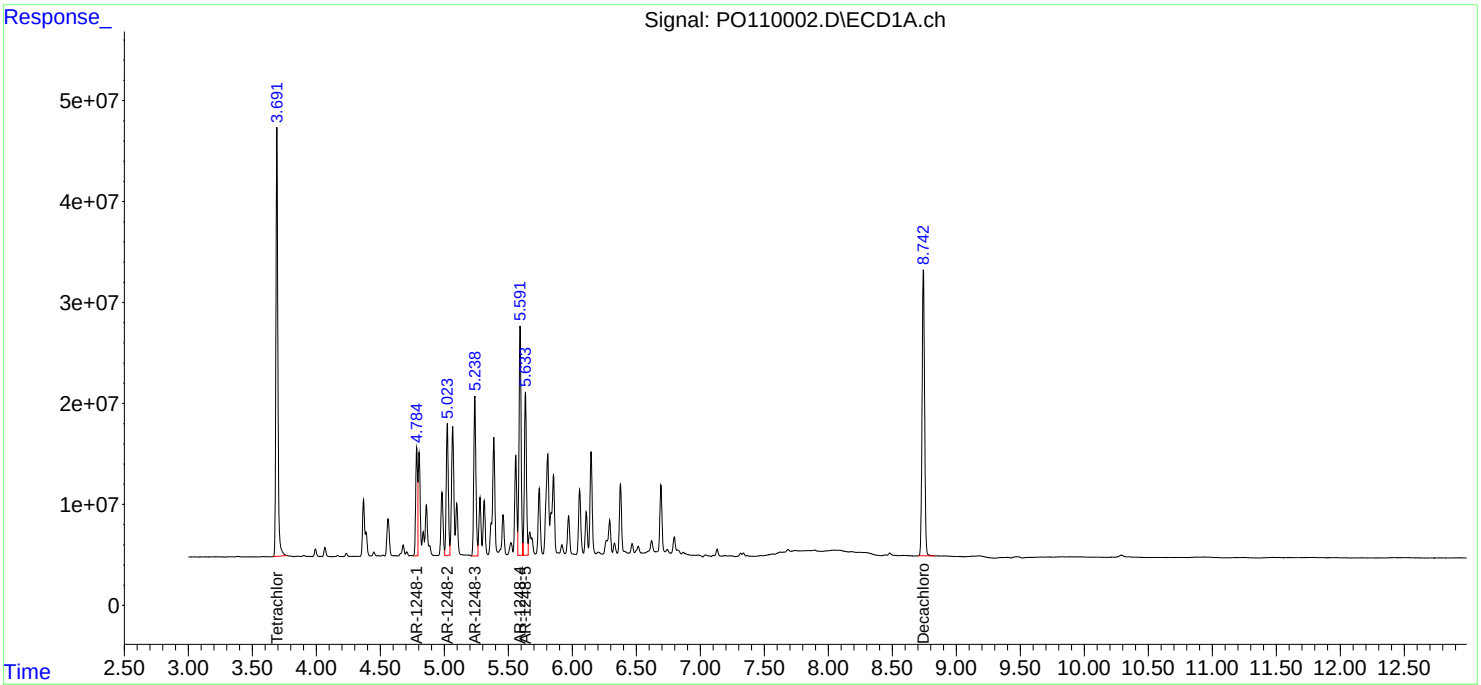
ICAL Form

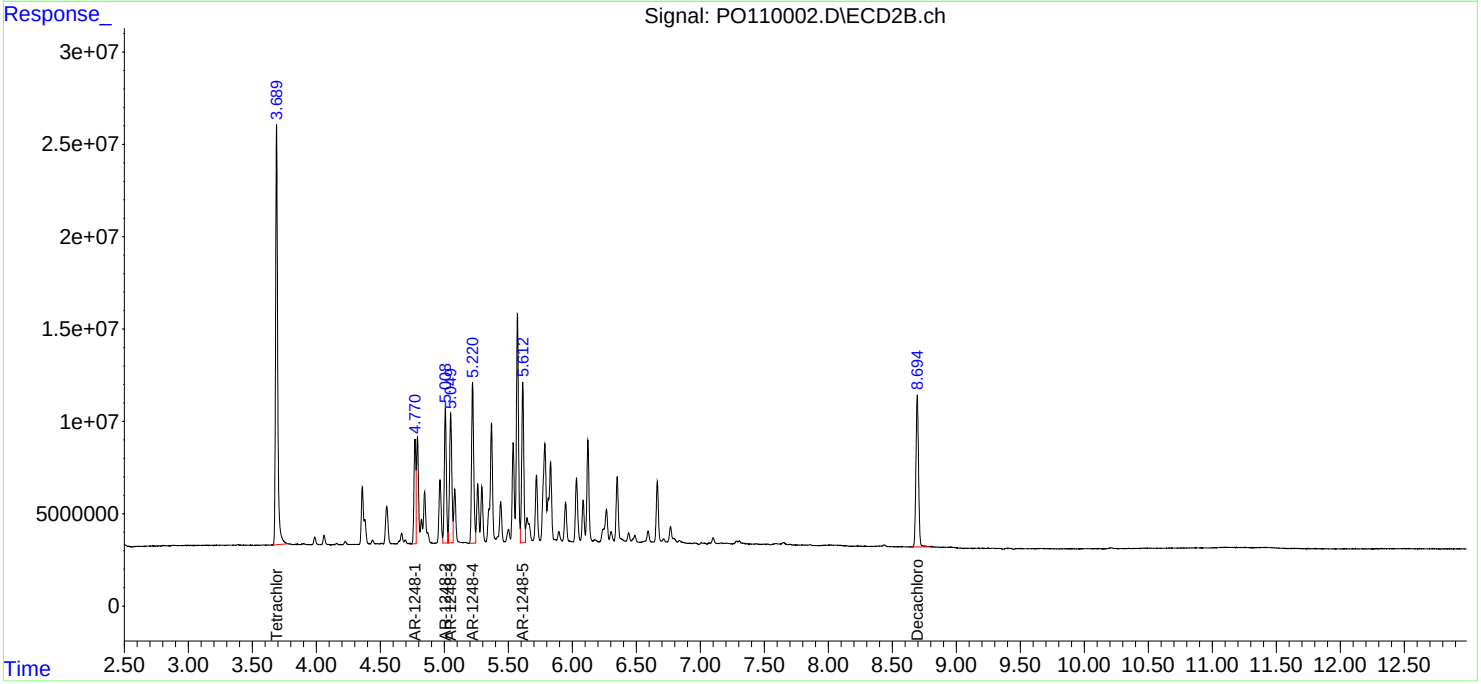
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:05
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

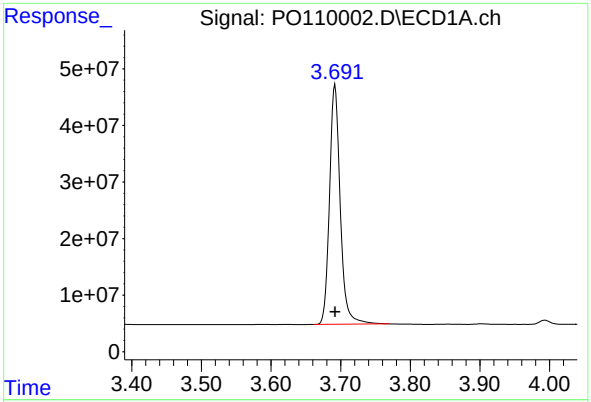
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:41:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



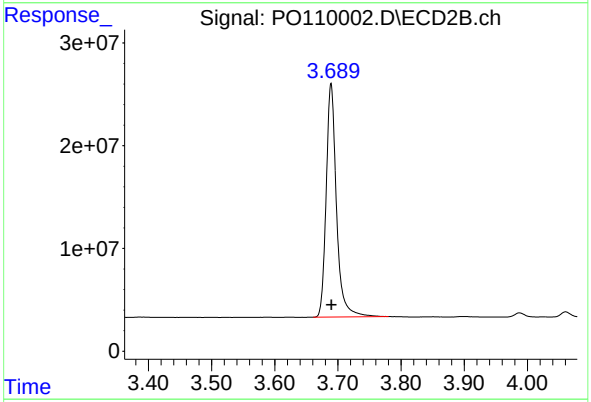






#1 Tetrachloro-m-xylene

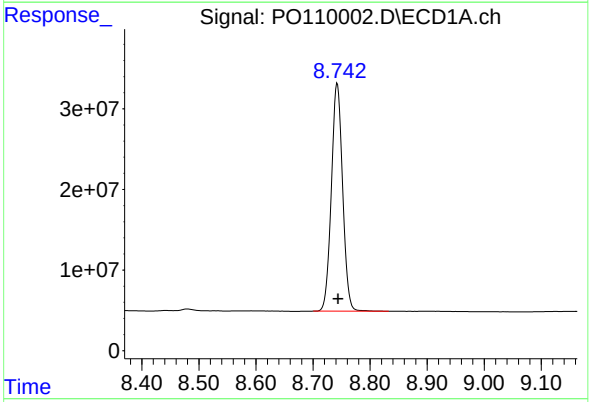
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 453137446
Conc: 48.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248



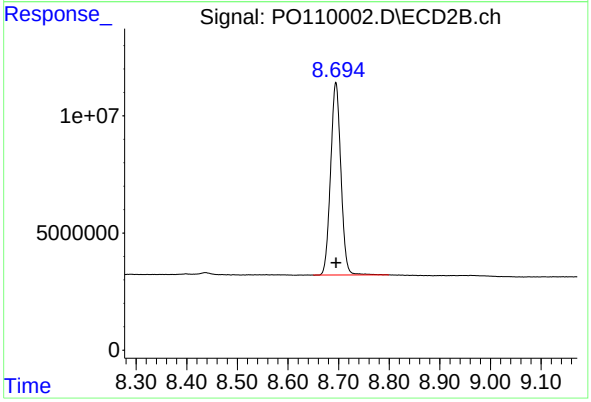

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 257654315
Conc: 48.66 ng/ml



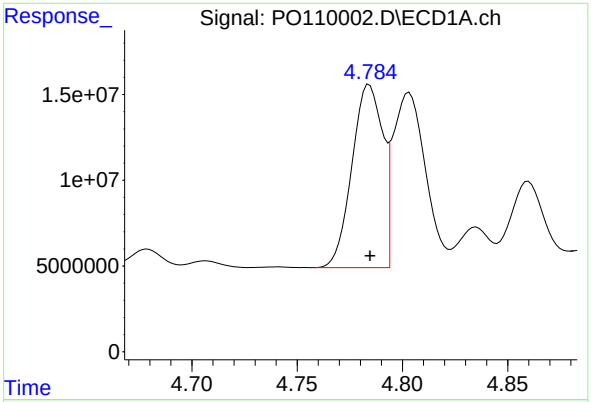

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.001 min
Response: 387771183
Conc: 49.75 ng/ml




#2 Decachlorobiphenyl

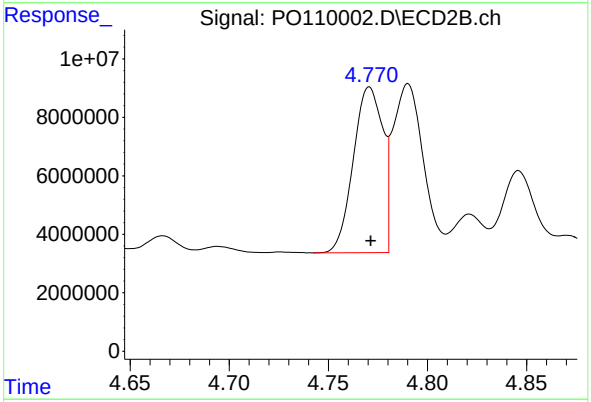
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 116199328
Conc: 49.56 ng/ml




#21 AR-1248-1

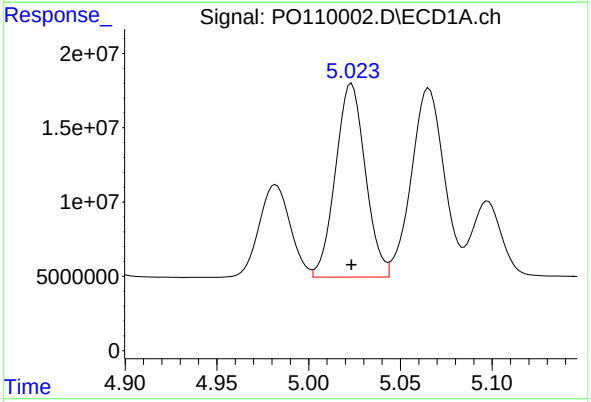
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 108417858
Conc: 492.94 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248



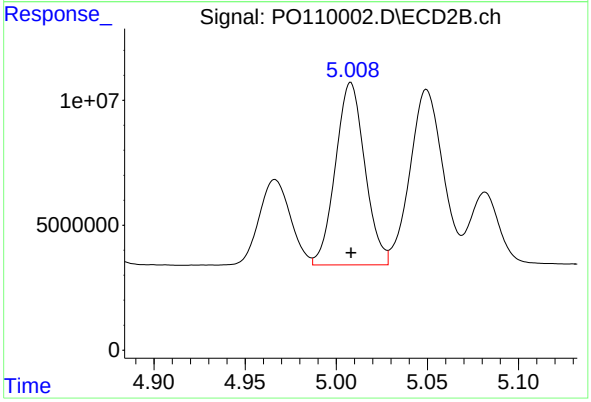

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 58618795
Conc: 487.18 ng/ml



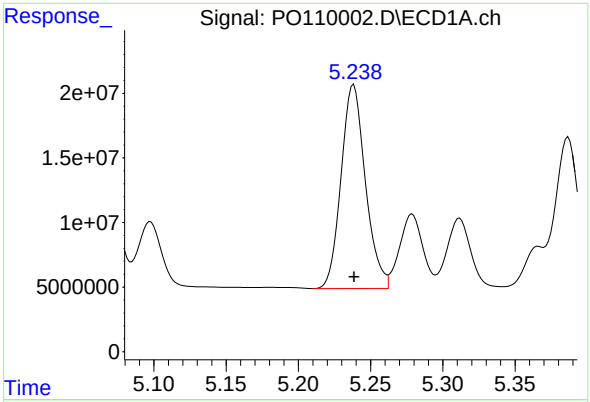

#22 AR-1248-2

R.T.: 5.023 min
Delta R.T.: 0.000 min
Response: 147491637
Conc: 489.90 ng/ml




#22 AR-1248-2

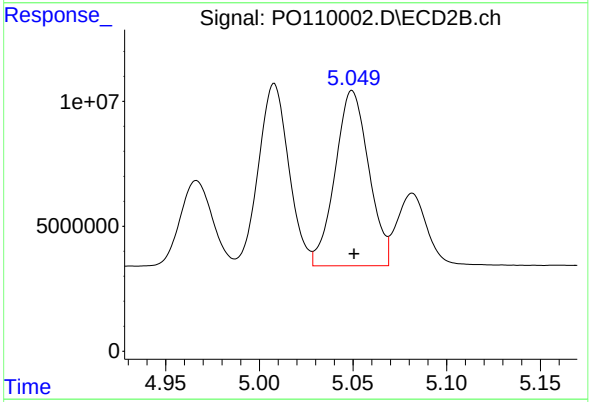
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 82104463
Conc: 487.21 ng/ml




#23 AR-1248-3

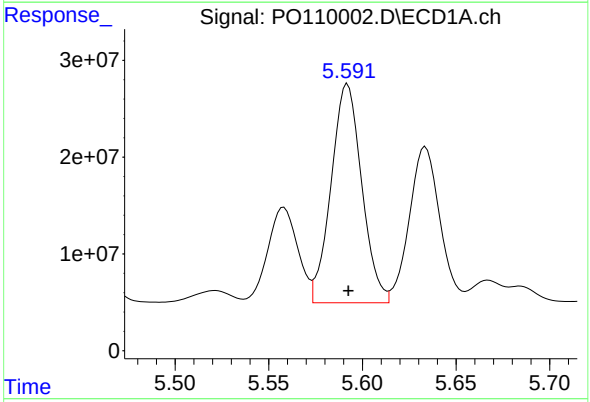
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 184471566
Conc: 492.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248



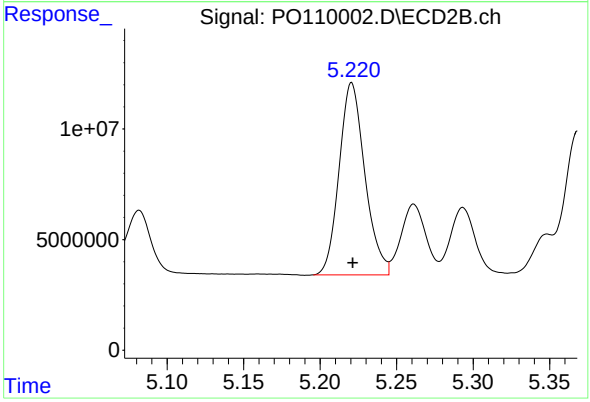

#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 87652547
Conc: 489.39 ng/ml



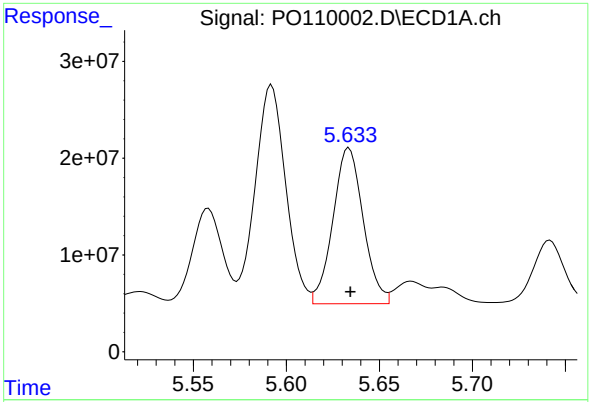

#24 AR-1248-4

R.T.: 5.592 min
Delta R.T.: 0.000 min
Response: 258010469
Conc: 493.07 ng/ml




#24 AR-1248-4

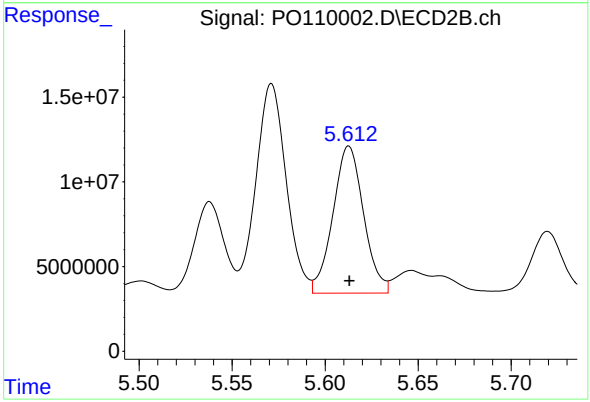
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 102041710
Conc: 489.25 ng/ml




#25 AR-1248-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 182660838
Conc: 494.04 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1248




#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 99745645
Conc: 489.74 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:24
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 450.3E6 | 255.9E6 | 47.966 | 47.857 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 386.1E6 | 115.4E6 | 49.078 | 47.699 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.593 | 5.572 | 270.9E6 | 148.9E6 | 484.350 | 483.813 |
| 27) | L6 AR-1254-2 | 5.743 | 5.720 | 234.3E6 | 129.7E6 | 484.326 | 483.086 |
| 28) | L6 AR-1254-3 | 6.148 | 6.123 | 381.8E6 | 203.6E6 | 483.781 | 483.489 |
| 29) | L6 AR-1254-4 | 6.377 | 6.350 | 236.7E6 | 117.7E6 | 486.513 | 481.783 |
| 30) | L6 AR-1254-5 | 6.797 | 6.768 | 332.2E6 | 169.1E6 | 488.082 | 485.104 |

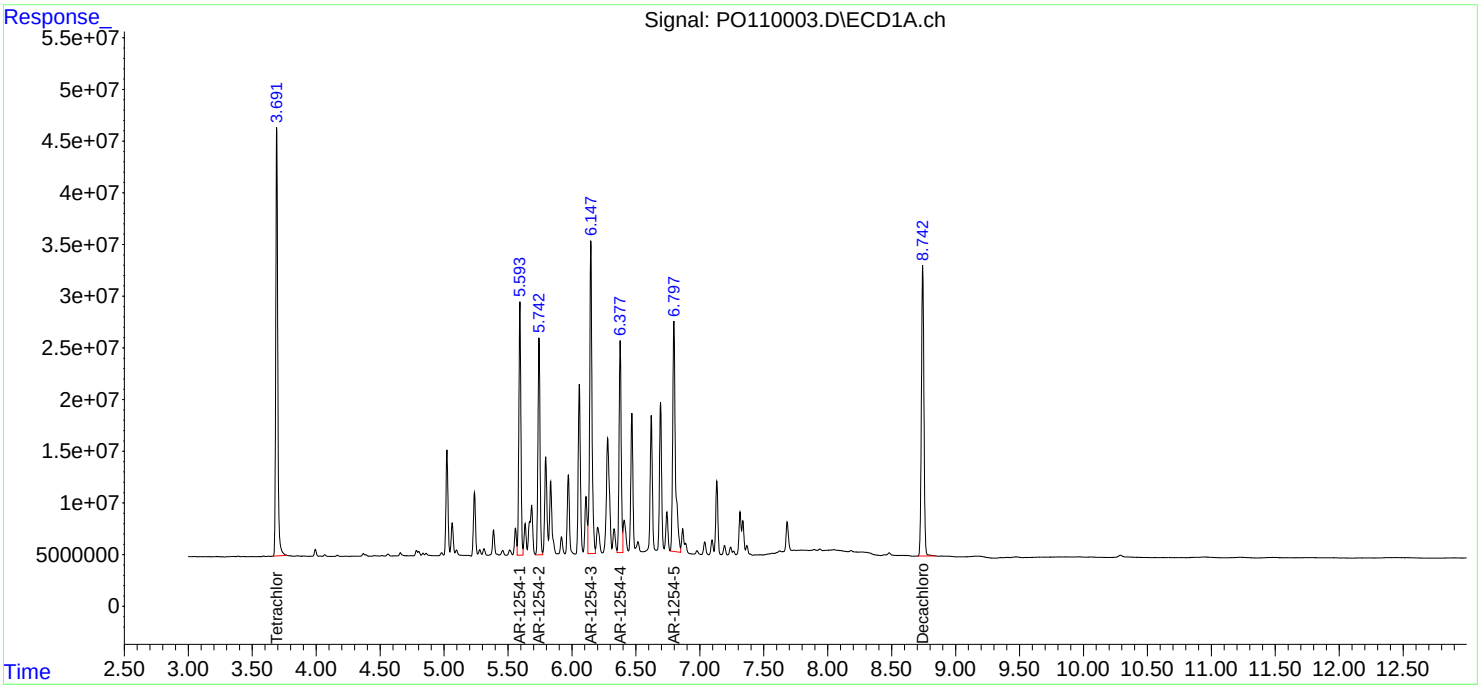
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

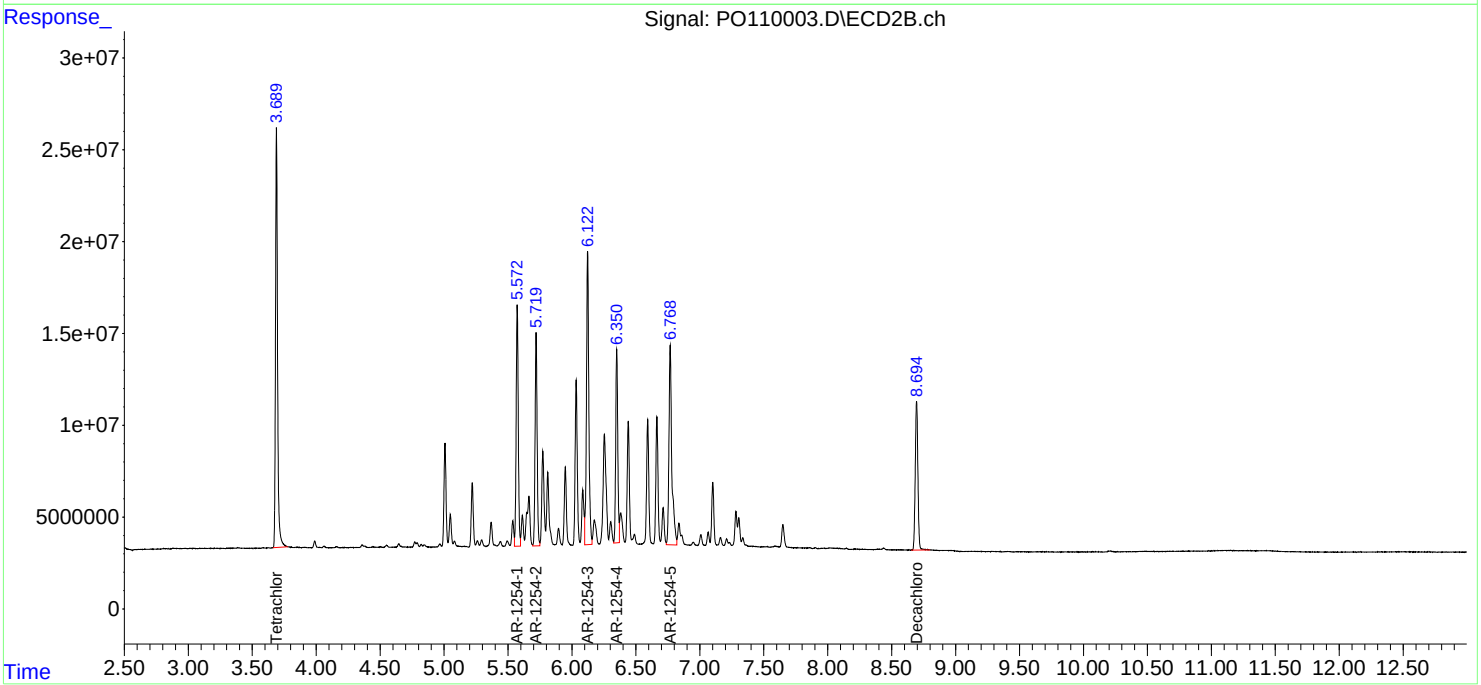
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110003.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:24
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

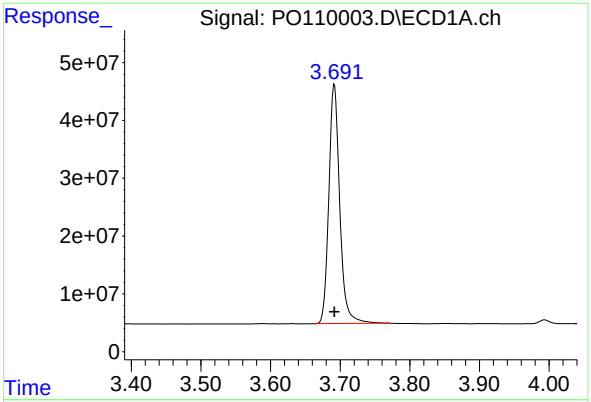
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



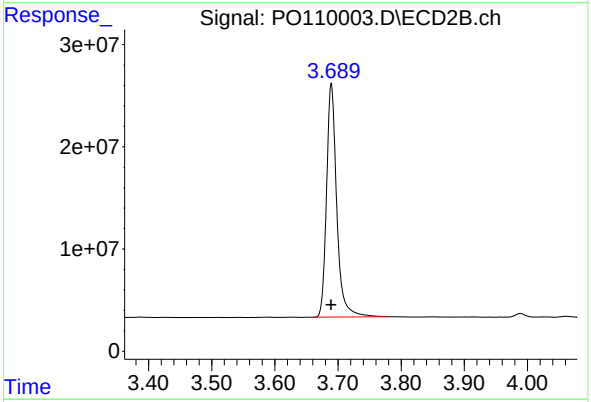






#1 Tetrachloro-m-xylene

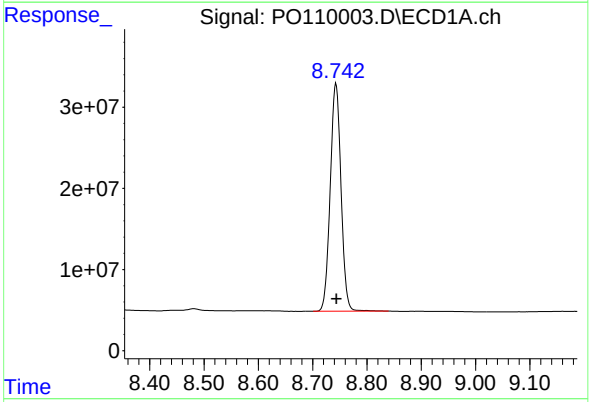
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 450272597
Conc: 47.97 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254



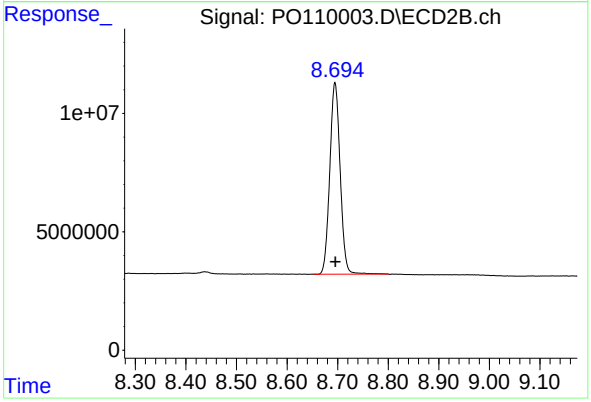

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 255886625
Conc: 47.86 ng/ml



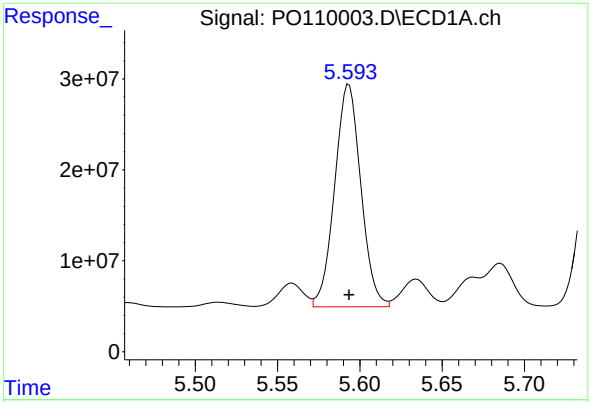

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 386111719
Conc: 49.08 ng/ml




#2 Decachlorobiphenyl

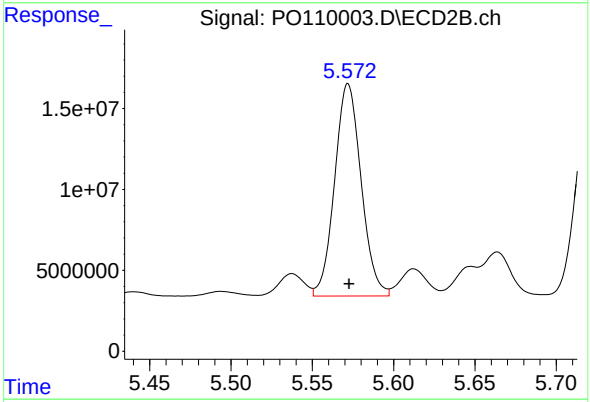
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 115363596
Conc: 47.70 ng/ml




#26 AR-1254-1

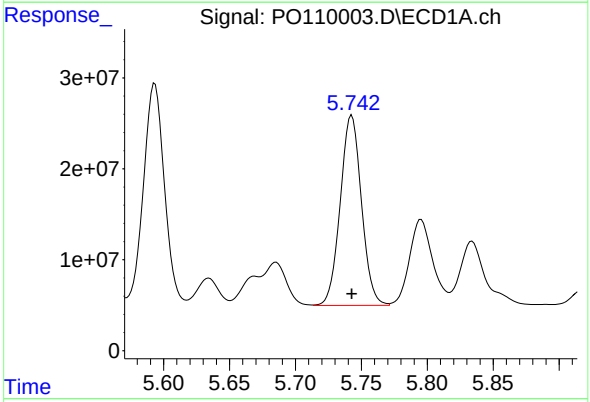
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 270904261
Conc: 484.35 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254



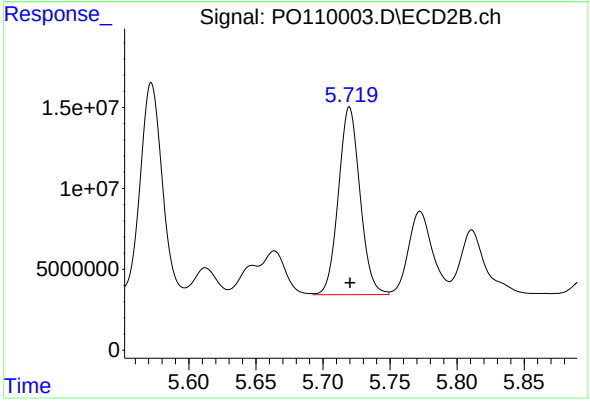

#26 AR-1254-1

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 148880437
Conc: 483.81 ng/ml



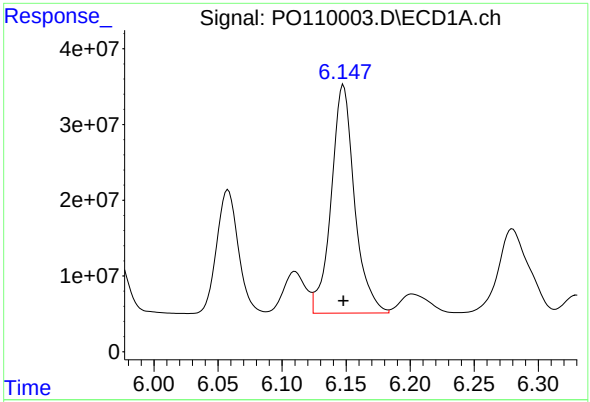

#27 AR-1254-2

R.T.: 5.743 min
Delta R.T.: 0.000 min
Response: 234269646
Conc: 484.33 ng/ml




#27 AR-1254-2

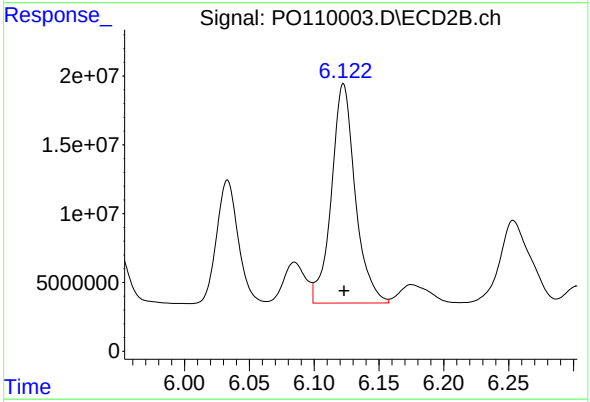
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 129704001
Conc: 483.09 ng/ml




#28 AR-1254-3

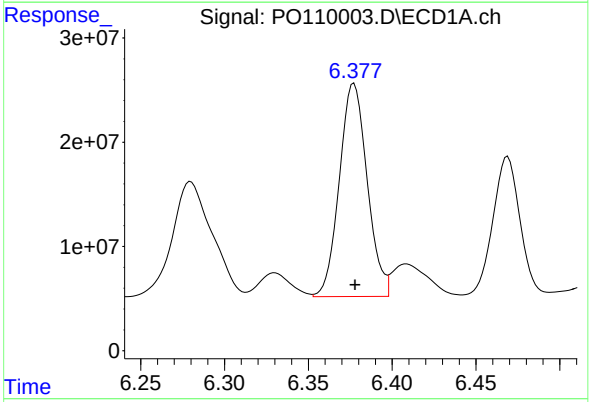
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 381837309
Conc: 483.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254



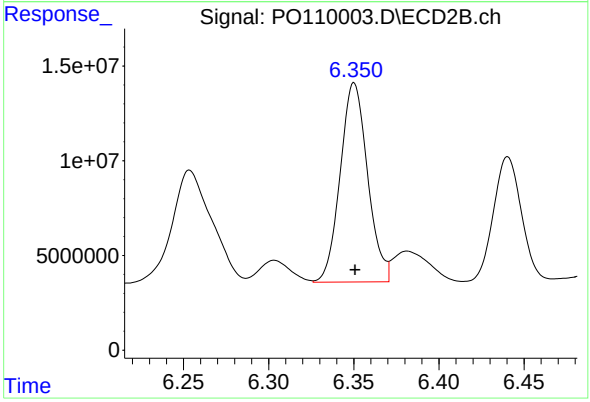

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 203649298
Conc: 483.49 ng/ml



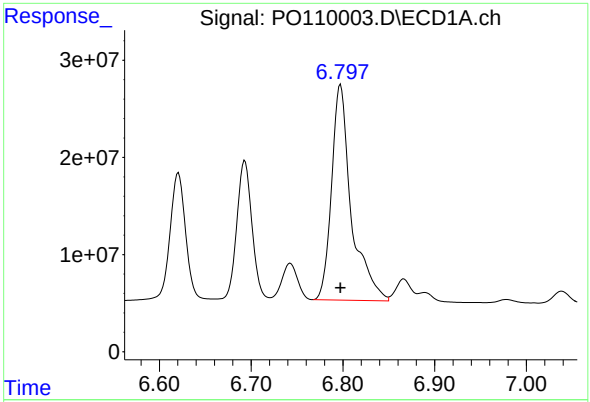

#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 236662409
Conc: 486.51 ng/ml




#29 AR-1254-4

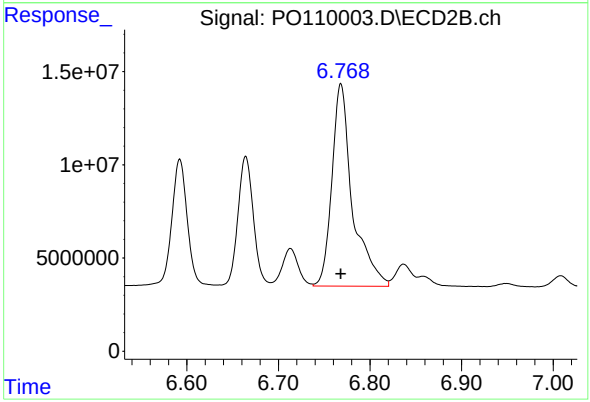
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 117742050
Conc: 481.78 ng/ml




#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 332152185
Conc: 488.08 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1254




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 169138710
Conc: 485.10 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:42
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.690 | 450.4E6 | 255.9E6 | 48.546 | 48.447 |
| 2) | SA Decachlor... | 8.744 | 8.696 | 690.0E6 | 201.4E6 | 48.863 | 48.609 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.624 | 7.590 | 683.9E6 | 280.8E6 | 487.341 | 485.631 |
| 42) | L9 AR-1268-2 | 7.689 | 7.654 | 622.6E6 | 259.1E6 | 486.560 | 486.478 |
| 43) | L9 AR-1268-3 | 7.897 | 7.862 | 509.4E6 | 200.7E6 | 490.473 | 486.052 |
| 44) | L9 AR-1268-4 | 8.184 | 8.146 | 217.2E6 | 79710818 | 485.391 | 491.969 |
| 45) | L9 AR-1268-5 | 8.482 | 8.440 | 1574.6E6 | 478.9E6 | 487.695 | 485.135 |

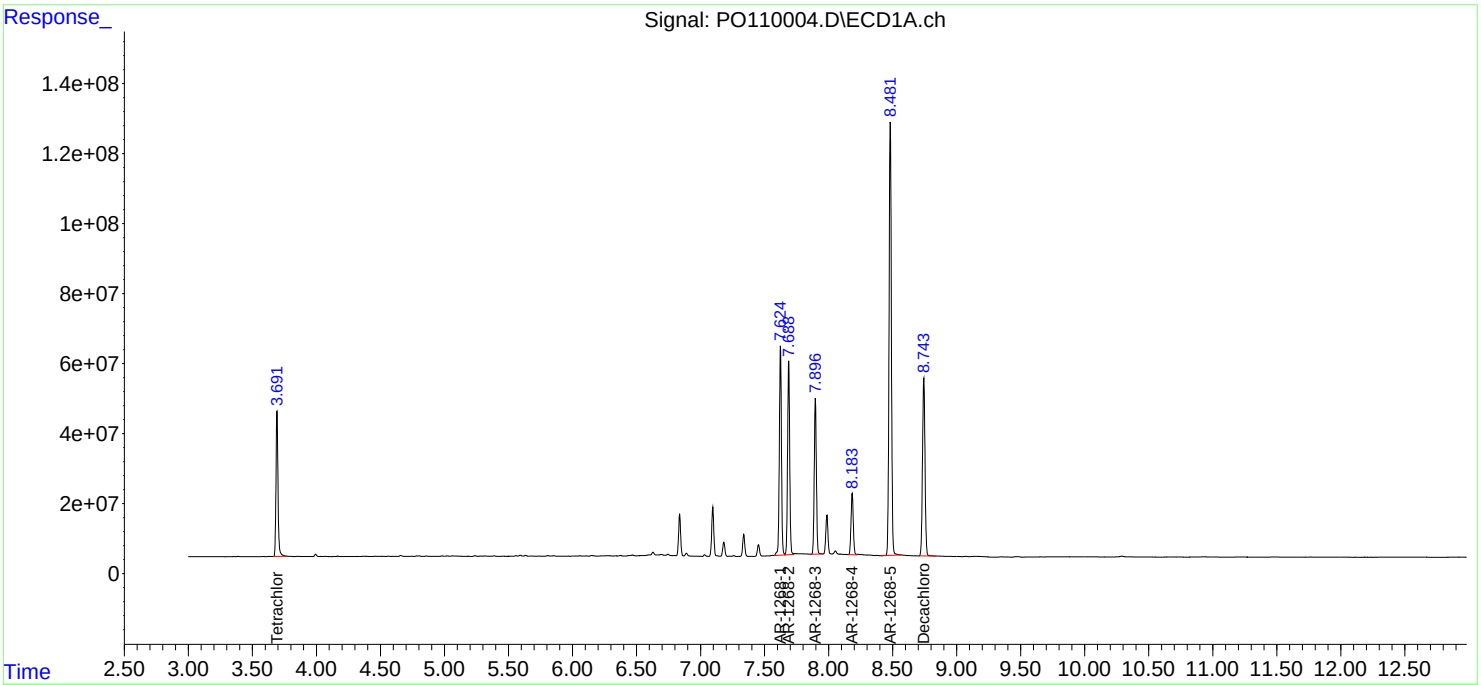
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

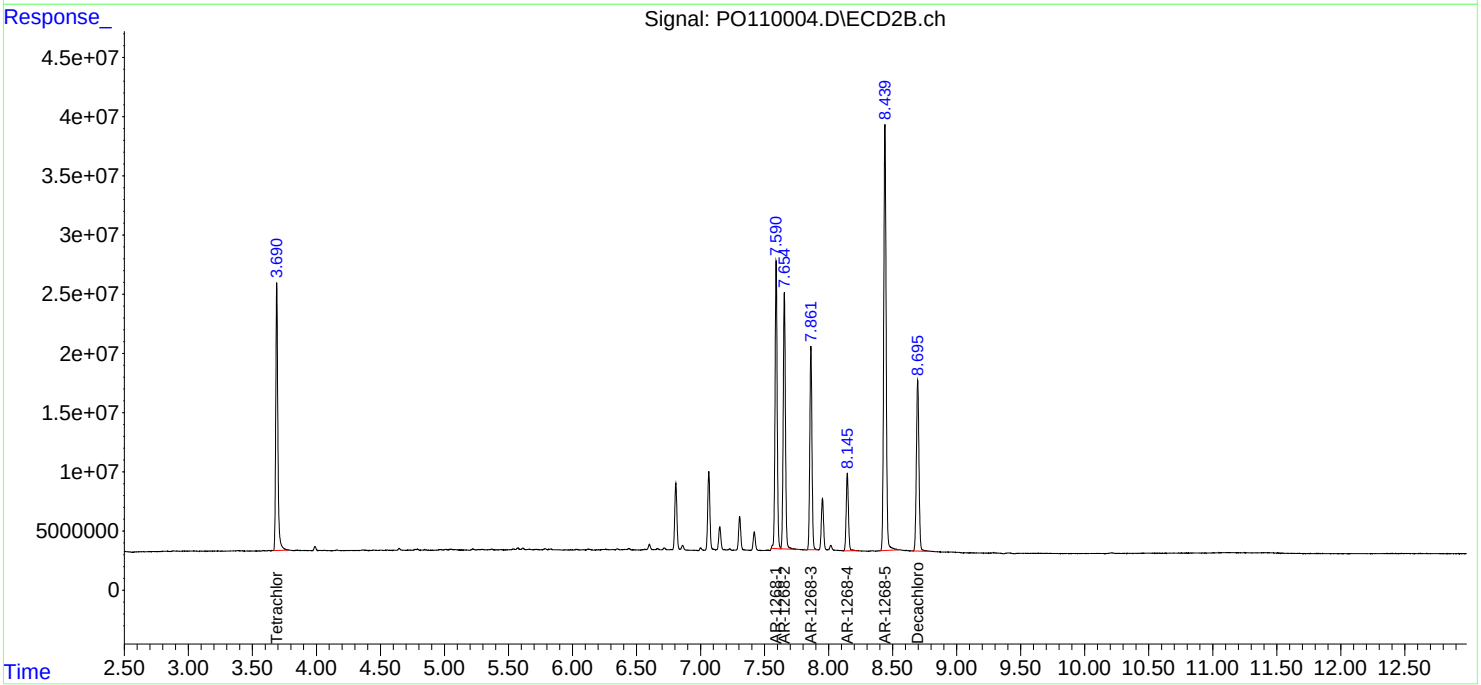
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO110004.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 00:42
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

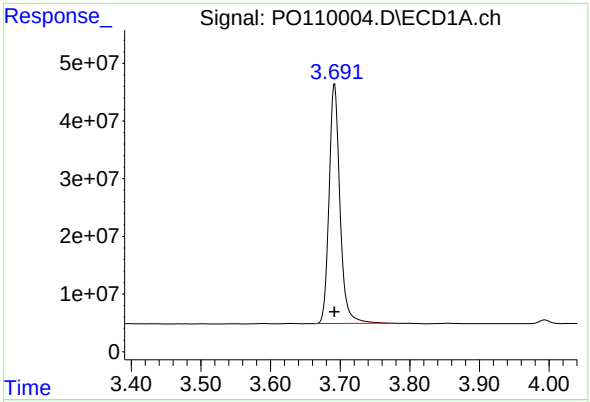
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



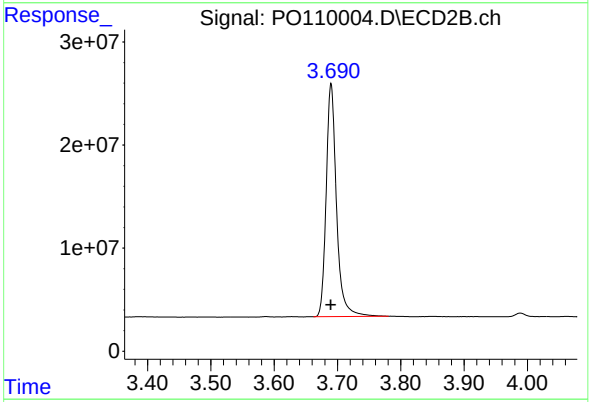






#1 Tetrachloro-m-xylene

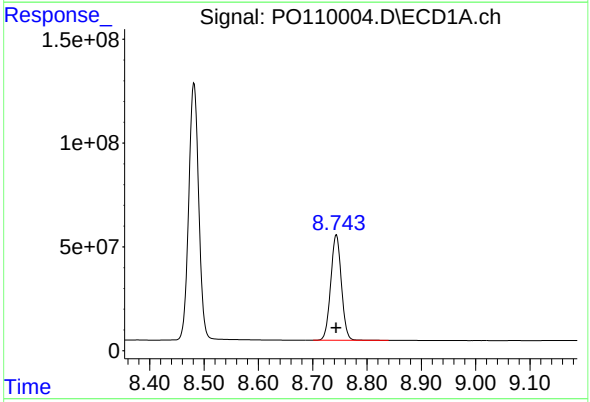
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 450382059
Conc: 48.55 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268



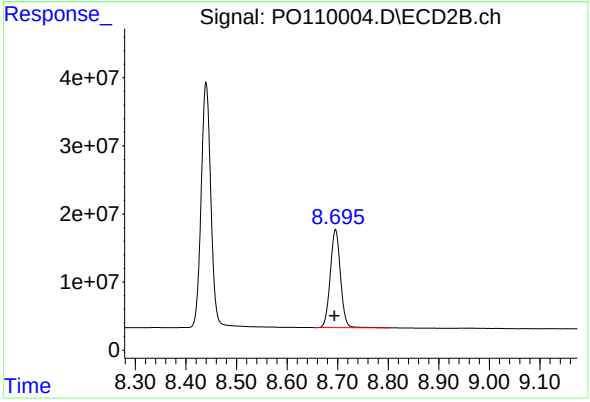

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 255894244
Conc: 48.45 ng/ml



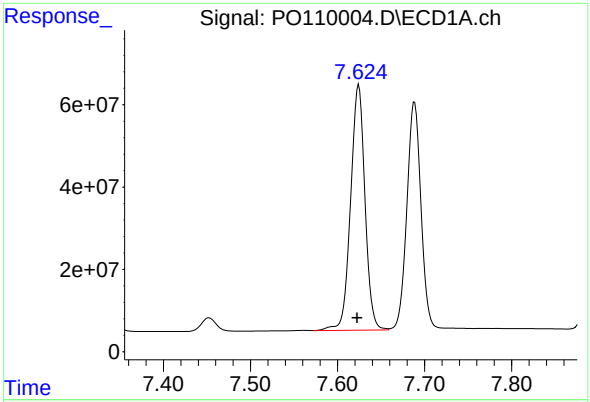

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 689957964
Conc: 48.86 ng/ml




#2 Decachlorobiphenyl

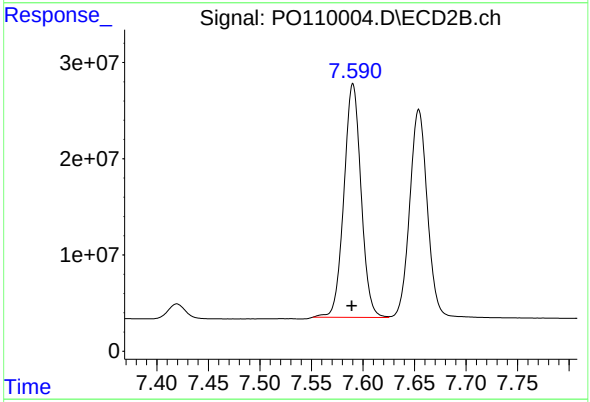
R.T.: 8.696 min
Delta R.T.: 0.002 min
Response: 201448574
Conc: 48.61 ng/ml




#41 AR-1268-1

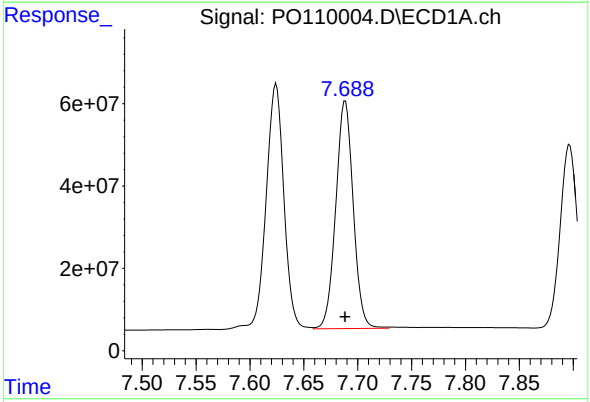
R.T.: 7.624 min
Delta R.T.: 0.002 min
Response: 683899311
Conc: 487.34 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268



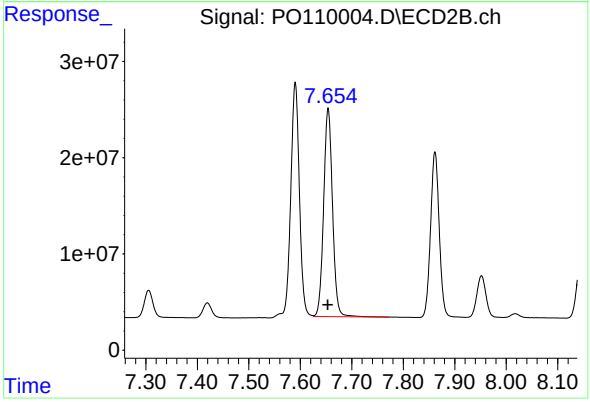

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.001 min
Response: 280794579
Conc: 485.63 ng/ml



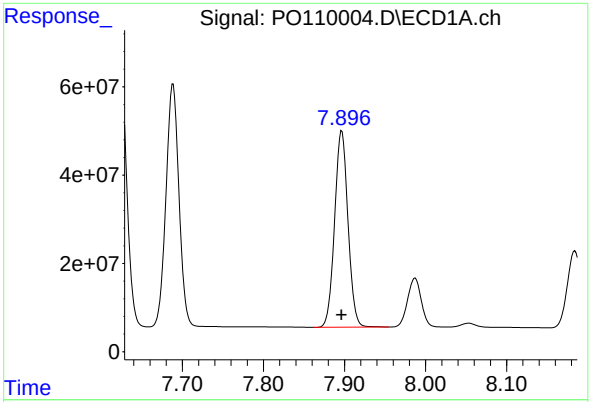

#42 AR-1268-2

R.T.: 7.689 min
Delta R.T.: 0.000 min
Response: 622617772
Conc: 486.56 ng/ml




#42 AR-1268-2

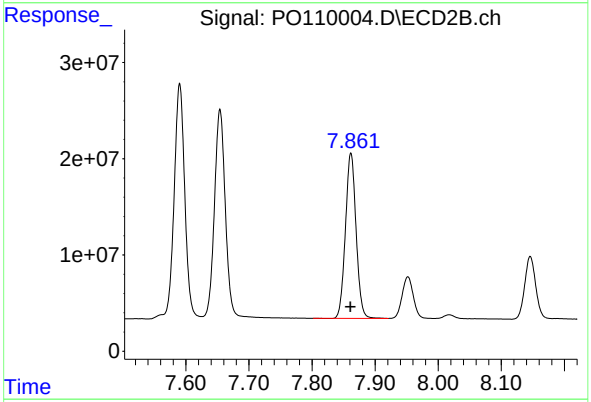
R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 259115661
Conc: 486.48 ng/ml




#43 AR-1268-3

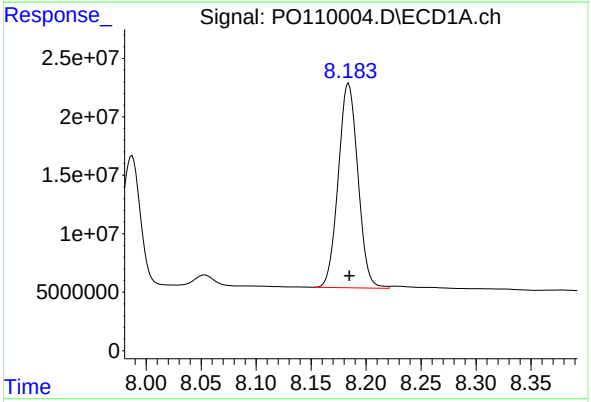
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 509428626
Conc: 490.47 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268



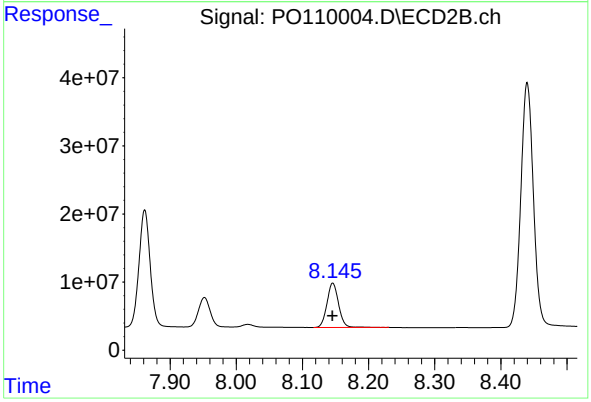

#43 AR-1268-3

R.T.: 7.862 min
Delta R.T.: 0.000 min
Response: 200699301
Conc: 486.05 ng/ml



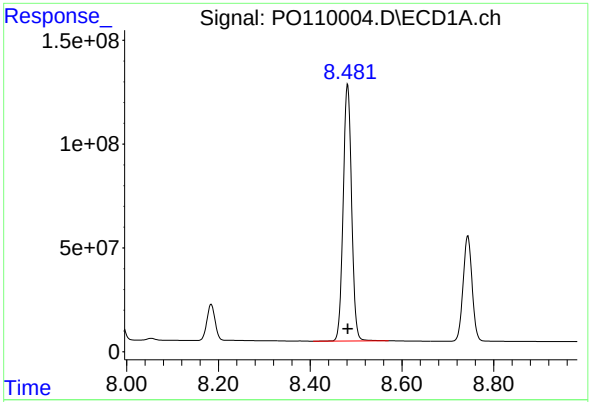

#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 217182692
Conc: 485.39 ng/ml




#44 AR-1268-4

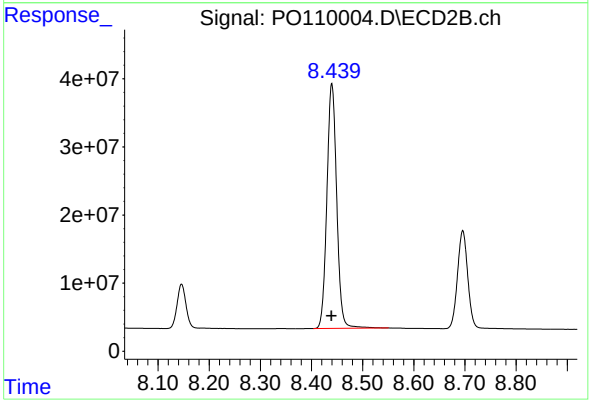
R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 79710818
Conc: 491.97 ng/ml




#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 1574576275
Conc: 487.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO031925AR1268




#45 AR-1268-5

R.T.: 8.440 min
Delta R.T.: 0.000 min
Response: 478896315
Conc: 485.13 ng/ml

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

**Calibration Times:** 10:30 17:53

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

**LAB FILE ID:** RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.67 | 5.67 | 5.66 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1016-2 | (2) | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Aroclor-1016-3 | (3) | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.65 | 5.85 |
| Aroclor-1016-4 | (4) | 5.85 | 5.85 | 5.85 | 5.85 | 5.85 | 5.85 | 5.75 | 5.95 |
| Aroclor-1016-5 | (5) | 6.14 | 6.14 | 6.14 | 6.14 | 6.14 | 6.14 | 6.04 | 6.24 |
| Aroclor-1260-1 | (1) | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.16 | 7.36 |
| Aroclor-1260-2 | (2) | 7.51 | 7.51 | 7.51 | 7.51 | 7.51 | 7.51 | 7.41 | 7.61 |
| Aroclor-1260-3 | (3) | 7.87 | 7.87 | 7.87 | 7.87 | 7.87 | 7.87 | 7.77 | 7.97 |
| Aroclor-1260-4 | (4) | 8.10 | 8.10 | 8.09 | 8.09 | 8.09 | 8.09 | 7.99 | 8.19 |
| Aroclor-1260-5 | (5) | 8.41 | 8.42 | 8.41 | 8.41 | 8.41 | 8.41 | 8.31 | 8.51 |
| Decachlorobiphenyl | | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.13 | 10.33 |
| Tetrachloro-m-xylene | | 4.51 | 4.52 | 4.51 | 4.52 | 4.51 | 4.51 | 4.41 | 4.61 |
| Aroclor-1242-1 | (1) | 5.67 | 5.67 | 5.66 | 5.67 | 5.66 | 5.67 | 5.57 | 5.77 |
| Aroclor-1242-2 | (2) | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.69 | 5.59 | 5.79 |
| Aroclor-1242-3 | (3) | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.65 | 5.85 |
| Aroclor-1242-4 | (4) | 5.85 | 5.85 | 5.85 | 5.85 | 5.84 | 5.85 | 5.75 | 5.95 |
| Aroclor-1242-5 | (5) | 6.58 | 6.58 | 6.58 | 6.58 | 6.57 | 6.58 | 6.48 | 6.68 |
| Decachlorobiphenyl | | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.13 | 10.33 |
| Tetrachloro-m-xylene | | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.51 | 4.41 | 4.61 |
| Aroclor-1248-1 | (1) | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1248-2 | (2) | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Aroclor-1248-3 | (3) | 6.14 | 6.14 | 6.14 | 6.14 | 6.14 | 6.14 | 6.04 | 6.24 |
| Aroclor-1248-4 | (4) | 6.54 | 6.54 | 6.54 | 6.54 | 6.54 | 6.54 | 6.44 | 6.64 |
| Aroclor-1248-5 | (5) | 6.58 | 6.58 | 6.58 | 6.58 | 6.58 | 6.58 | 6.48 | 6.68 |
| Decachlorobiphenyl | | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.13 | 10.33 |
| Tetrachloro-m-xylene | | 4.51 | 4.51 | 4.51 | 4.52 | 4.51 | 4.51 | 4.41 | 4.61 |
| Aroclor-1254-1 | (1) | 6.52 | 6.52 | 6.52 | 6.52 | 6.52 | 6.52 | 6.42 | 6.62 |
| Aroclor-1254-2 | (2) | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.63 | 6.83 |
| Aroclor-1254-3 | (3) | 7.10 | 7.09 | 7.10 | 7.10 | 7.10 | 7.10 | 7.00 | 7.20 |
| Aroclor-1254-4 | (4) | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.28 | 7.48 |
| Aroclor-1254-5 | (5) | 7.79 | 7.79 | 7.79 | 7.79 | 7.79 | 7.79 | 7.69 | 7.89 |
| Decachlorobiphenyl | | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.13 | 10.33 |
| Tetrachloro-m-xylene | | 4.51 | 4.51 | 4.51 | 4.51 | 4.52 | 4.51 | 4.41 | 4.61 |
| Aroclor-1268-1 | (1) | 8.73 | 8.73 | 8.73 | 8.73 | 8.73 | 8.73 | 8.63 | 8.83 |
| Aroclor-1268-2 | (2) | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.82 | 8.72 | 8.92 |
| Aroclor-1268-3 | (3) | 9.06 | 9.06 | 9.05 | 9.06 | 9.05 | 9.06 | 8.96 | 9.16 |
| Aroclor-1268-4 | (4) | 9.47 | 9.47 | 9.47 | 9.47 | 9.47 | 9.47 | 9.37 | 9.57 |
| Aroclor-1268-5 | (5) | 9.89 | 9.89 | 9.89 | 9.89 | 9.89 | 9.89 | 9.79 | 9.99 |

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Fax : 908 789 8922

**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.23 | 10.13 | 10.33 |
| Tetrachloro-m-xylene | 4.52 | 4.51 | 4.51 | 4.52 | 4.51 | 4.51 | 4.41 | 4.61 |

Raw Data

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

**Calibration Times:** 10:30 17:53

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

**LAB FILE ID:** RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1016-2 | (2) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1016-3 | (3) | 5.10 | 5.10 | 5.10 | 5.10 | 5.10 | 5.10 | 5.00 | 5.20 |
| Aroclor-1016-4 | (4) | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.04 | 5.24 |
| Aroclor-1016-5 | (5) | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.26 | 5.46 |
| Aroclor-1260-1 | (1) | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.39 | 6.29 | 6.49 |
| Aroclor-1260-2 | (2) | 6.58 | 6.58 | 6.58 | 6.58 | 6.58 | 6.58 | 6.48 | 6.68 |
| Aroclor-1260-3 | (3) | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.73 | 6.63 | 6.83 |
| Aroclor-1260-4 | (4) | 7.20 | 7.20 | 7.21 | 7.21 | 7.21 | 7.20 | 7.10 | 7.30 |
| Aroclor-1260-5 | (5) | 7.45 | 7.44 | 7.45 | 7.45 | 7.45 | 7.45 | 7.35 | 7.55 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.76 | 8.96 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.72 | 3.92 |
| Aroclor-1242-1 | (1) | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1242-2 | (2) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1242-3 | (3) | 5.10 | 5.10 | 5.10 | 5.10 | 5.10 | 5.10 | 5.00 | 5.20 |
| Aroclor-1242-4 | (4) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1242-5 | (5) | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.61 | 5.81 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.76 | 8.96 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.72 | 3.92 |
| Aroclor-1248-1 | (1) | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 4.80 | 5.00 |
| Aroclor-1248-2 | (2) | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.04 | 5.24 |
| Aroclor-1248-3 | (3) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1248-4 | (4) | 5.36 | 5.36 | 5.36 | 5.36 | 5.35 | 5.36 | 5.26 | 5.46 |
| Aroclor-1248-5 | (5) | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.65 | 5.85 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.76 | 8.96 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.72 | 3.92 |
| Aroclor-1254-1 | (1) | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.71 | 5.61 | 5.81 |
| Aroclor-1254-2 | (2) | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.86 | 5.76 | 5.96 |
| Aroclor-1254-3 | (3) | 6.26 | 6.26 | 6.26 | 6.26 | 6.26 | 6.26 | 6.16 | 6.36 |
| Aroclor-1254-4 | (4) | 6.49 | 6.49 | 6.49 | 6.49 | 6.49 | 6.49 | 6.39 | 6.59 |
| Aroclor-1254-5 | (5) | 6.91 | 6.91 | 6.91 | 6.91 | 6.91 | 6.91 | 6.81 | 7.01 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.76 | 8.96 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.72 | 3.92 |
| Aroclor-1268-1 | (1) | 7.73 | 7.73 | 7.73 | 7.73 | 7.73 | 7.73 | 7.63 | 7.83 |
| Aroclor-1268-2 | (2) | 7.80 | 7.80 | 7.79 | 7.79 | 7.79 | 7.79 | 7.69 | 7.89 |
| Aroclor-1268-3 | (3) | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 7.90 | 8.10 |
| Aroclor-1268-4 | (4) | 8.30 | 8.29 | 8.29 | 8.30 | 8.29 | 8.29 | 8.19 | 8.39 |
| Aroclor-1268-5 | (5) | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.50 | 8.70 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.86 | 8.76 | 8.96 |
| Tetrachloro-m-xylene | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.82 | 3.72 | 3.92 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

**Calibration Times:** 10:30 17:53

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

**LAB FILE ID:** **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

**CF 500 =** PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 47478014 | 49171687 | 50934060 | 54324668 | 52347880 | 50851262 | 5 |
| Aroclor-1016-2 | (2) | 72483549 | 74568483 | 78811172 | 80433884 | 83971080 | 78053634 | 6 |
| Aroclor-1016-3 | (3) | 43541298 | 44043953 | 46815864 | 48849960 | 52621940 | 47174603 | 7 |
| Aroclor-1016-4 | (4) | 36661280 | 36602855 | 39014928 | 39212148 | 32287440 | 36755730 | 7 |
| Aroclor-1016-5 | (5) | 32204227 | 33487635 | 35040682 | 36610940 | 32217200 | 33912137 | 5 |
| Aroclor-1260-1 | (1) | 60625379 | 62238407 | 66823960 | 72729028 | 73347280 | 67152811 | 8 |
| Aroclor-1260-2 | (2) | 90805769 | 95497569 | 97808710 | 102858984 | 93710780 | 96136362 | 4 |
| Aroclor-1260-3 | (3) | 75946924 | 78957439 | 82970652 | 86114216 | 75601760 | 79918198 | 5 |
| Aroclor-1260-4 | (4) | 67190656 | 75020355 | 81451428 | 78145636 | 91876440 | 78736903 | 11 |
| Aroclor-1260-5 | (5) | 154592706 | 156108101 | 159960800 | 166857288 | 156911780 | 158886135 | 3 |
| Decachlorobiphenyl | | 1019047430 | 1065730867 | 1116449000 | 1115108760 | 946747800 | 1052616771 | 7 |
| Tetrachloro-m-xylene | | 1424837400 | 1461405720 | 1519248320 | 1595716440 | 1306667000 | 1461574976 | 7 |
| Aroclor-1242-1 | (1) | 40990074 | 42746281 | 43432670 | 43984636 | 48732080 | 43977148 | 6 |
| Aroclor-1242-2 | (2) | 64704598 | 63862937 | 67024876 | 68850388 | 57138840 | 64316328 | 7 |
| Aroclor-1242-3 | (3) | 39349869 | 38048504 | 39702972 | 40627540 | 47468380 | 41039453 | 9 |
| Aroclor-1242-4 | (4) | 30814559 | 31466187 | 32277086 | 32194644 | 25864220 | 30523339 | 8 |
| Aroclor-1242-5 | (5) | 36006298 | 34981232 | 37334376 | 38560396 | 35669740 | 36510408 | 4 |
| Decachlorobiphenyl | | 1036298130 | 1063489027 | 1106293120 | 1153452680 | 1056566000 | 1083219791 | 4 |
| Tetrachloro-m-xylene | | 1443947330 | 1507747640 | 1537397120 | 1567165920 | 1326698400 | 1476591282 | 6 |
| Aroclor-1248-1 | (1) | 31141042 | 33379292 | 33781538 | 45988760 | 37146900 | 36287506 | 15 |
| Aroclor-1248-2 | (2) | 42399779 | 44979081 | 46192256 | 47122176 | 43999640 | 44938586 | 4 |
| Aroclor-1248-3 | (3) | 48055172 | 50777464 | 51825052 | 50697180 | 51832600 | 50637494 | 3 |
| Aroclor-1248-4 | (4) | 59878410 | 63471275 | 67039892 | 73429036 | 56919340 | 64147591 | 9 |
| Aroclor-1248-5 | (5) | 56652876 | 60504408 | 64286140 | 68519384 | 54268440 | 60846250 | 9 |
| Decachlorobiphenyl | | 1072017300 | 1124462173 | 1205136680 | 1167091680 | 1109917800 | 1135725127 | 5 |
| Tetrachloro-m-xylene | | 1462181050 | 1544091280 | 1549039360 | 1559485200 | 1464932600 | 1515945898 | 3 |
| Aroclor-1254-1 | (1) | 60157506 | 63067431 | 65471886 | 66806416 | 66447920 | 64390232 | 4 |
| Aroclor-1254-2 | (2) | 92838442 | 97047215 | 101802392 | 105556104 | 108208740 | 101090579 | 6 |
| Aroclor-1254-3 | (3) | 92334650 | 98055471 | 99416554 | 103841140 | 104991280 | 99727819 | 5 |
| Aroclor-1254-4 | (4) | 84238161 | 87780547 | 86802510 | 88788836 | 85373700 | 86596751 | 2 |
| Aroclor-1254-5 | (5) | 74433164 | 79038301 | 80854650 | 83958584 | 83470140 | 80350968 | 5 |
| Decachlorobiphenyl | | 1095432410 | 1144692320 | 1168417220 | 1194330360 | 1035516600 | 1127677782 | 6 |
| Tetrachloro-m-xylene | | 1501288360 | 1551275560 | 1575746420 | 1626904120 | 1301718600 | 1511386612 | 8 |
| Aroclor-1268-1 | (1) | 226575551 | 237927453 | 239660032 | 247892192 | 225482800 | 235507606 | 4 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 190380276 | 198934901 | 200232346 | 204948924 | 182079900 | 195315269 | 4 |
| Aroclor-1268-3 | (3) | 163648333 | 171737784 | 173955356 | 177246576 | 167979860 | 170913582 | 3 |
| Aroclor-1268-4 | (4) | 70377008 | 73665913 | 73237284 | 74802952 | 61652780 | 70747187 | 7 |
| Aroclor-1268-5 | (5) | 459553484 | 481598519 | 482514296 | 498456744 | 458756600 | 476175929 | 3 |
| Decachlorobiphenyl | | 1956984350 | 2055290840 | 2095781900 | 2171413960 | 2007035400 | 2057301290 | 4 |
| Tetrachloro-m-xylene | | 1523485290 | 1594639080 | 1607574540 | 1645012520 | 1440121400 | 1562166566 | 5 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

**Calibration Times:** 10:30 17:53

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

**LAB FILE ID:** **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

**CF 500 =** PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 34208953 | 37661787 | 37955886 | 45294856 | 45319420 | 40088180 | 12 |
| Aroclor-1016-2 | (2) | 49610574 | 53393839 | 54380778 | 65503040 | 66437080 | 57865062 | 12 |
| Aroclor-1016-3 | (3) | 27000462 | 29732755 | 29849058 | 35508136 | 32526120 | 30923306 | 10 |
| Aroclor-1016-4 | (4) | 21229955 | 23465415 | 23793788 | 28635320 | 24655080 | 24355912 | 10 |
| Aroclor-1016-5 | (5) | 26939544 | 29893109 | 30154374 | 37292184 | 37326660 | 32321174 | 14 |
| Aroclor-1260-1 | (1) | 45249076 | 46519276 | 48240522 | 56226688 | 59796020 | 51206316 | 12 |
| Aroclor-1260-2 | (2) | 58475471 | 61260192 | 62904038 | 69183788 | 67145740 | 63793846 | 6 |
| Aroclor-1260-3 | (3) | 50913622 | 52312629 | 53920638 | 58739540 | 56547700 | 54486826 | 5 |
| Aroclor-1260-4 | (4) | 42366044 | 44395528 | 47488628 | 49955128 | 54926140 | 47826294 | 10 |
| Aroclor-1260-5 | (5) | 113066934 | 116639771 | 125312810 | 127263128 | 140268800 | 124510289 | 8 |
| Decachlorobiphenyl | | 793547960 | 846236520 | 865016160 | 753569280 | 682611000 | 788196184 | 9 |
| Tetrachloro-m-xylene | | 926488500 | 1023245573 | 1036748080 | 1124812280 | 1071924800 | 1036643847 | 7 |
| Aroclor-1242-1 | (1) | 30391529 | 31772724 | 34649408 | 38698720 | 35466820 | 34195840 | 9 |
| Aroclor-1242-2 | (2) | 43879042 | 45075739 | 49434800 | 55503780 | 52395240 | 49257720 | 9 |
| Aroclor-1242-3 | (3) | 24103124 | 24630729 | 26618958 | 29833472 | 28035100 | 26644277 | 8 |
| Aroclor-1242-4 | (4) | 23086538 | 23159225 | 25581538 | 28618736 | 31445140 | 26378235 | 13 |
| Aroclor-1242-5 | (5) | 28647762 | 29235153 | 31558738 | 32962404 | 32387440 | 30958299 | 6 |
| Decachlorobiphenyl | | 794686010 | 779465320 | 775544600 | 851493360 | 677466800 | 775731218 | 8 |
| Tetrachloro-m-xylene | | 994474400 | 1020857307 | 1119824860 | 1120535680 | 1106593200 | 1072457089 | 6 |
| Aroclor-1248-1 | (1) | 23297586 | 26737011 | 28501250 | 29207540 | 27656520 | 27079981 | 8 |
| Aroclor-1248-2 | (2) | 31071420 | 35918237 | 38274460 | 38702620 | 39645560 | 36722459 | 9 |
| Aroclor-1248-3 | (3) | 32592570 | 37701093 | 39964120 | 40477712 | 42561380 | 38659375 | 9 |
| Aroclor-1248-4 | (4) | 38114246 | 43411732 | 47181776 | 48244244 | 48753000 | 45141000 | 9 |
| Aroclor-1248-5 | (5) | 37031094 | 41115012 | 43925318 | 46634268 | 44688040 | 42678746 | 8 |
| Decachlorobiphenyl | | 763432400 | 822192813 | 827097300 | 806313080 | 732328400 | 790272799 | 5 |
| Tetrachloro-m-xylene | | 969522160 | 1045815880 | 1138159760 | 1084071480 | 1169729800 | 1081459816 | 7 |
| Aroclor-1254-1 | (1) | 58928147 | 61799583 | 66082486 | 73787844 | 69490960 | 66017804 | 8 |
| Aroclor-1254-2 | (2) | 50145967 | 53786207 | 56793554 | 64034708 | 60730300 | 57098147 | 9 |
| Aroclor-1254-3 | (3) | 77448562 | 83642240 | 87764778 | 99090376 | 86260880 | 86841367 | 9 |
| Aroclor-1254-4 | (4) | 49998215 | 54614948 | 55966900 | 64174348 | 55747980 | 56100478 | 9 |
| Aroclor-1254-5 | (5) | 65979008 | 71358709 | 71825896 | 82425644 | 69163880 | 72150627 | 8 |
| Decachlorobiphenyl | | 783483810 | 796181933 | 910832540 | 850283840 | 759277600 | 820011945 | 7 |
| Tetrachloro-m-xylene | | 1042595600 | 1091536387 | 1108578240 | 1195164040 | 1067355200 | 1101045893 | 5 |
| Aroclor-1268-1 | (1) | 165356134 | 175541800 | 174753666 | 176934688 | 164423820 | 171402022 | 3 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 137801505 | 147739099 | 145758868 | 146778256 | 138336660 | 143282878 | 3 |
| Aroclor-1268-3 | (3) | 120132746 | 127507232 | 124391202 | 127247744 | 116467620 | 123149309 | 4 |
| Aroclor-1268-4 | (4) | 51096977 | 54505272 | 53344994 | 55689972 | 49428660 | 52813175 | 5 |
| Aroclor-1268-5 | (5) | 357060145 | 376226307 | 370949858 | 366544744 | 338563340 | 361868879 | 4 |
| Decachlorobiphenyl | | 1484820890 | 1579158933 | 1563503220 | 1620729960 | 1432317200 | 1536106041 | 5 |
| Tetrachloro-m-xylene | | 1051289840 | 1118865693 | 1118283520 | 1183542080 | 1260888000 | 1146573827 | 7 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

**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 | 4.72 | 4.62 | 4.82 | 17353700 |
| | | 2 | 4.80 | 4.70 | 4.90 | 12952900 |
| | | 3 | 4.88 | 4.78 | 4.98 | 41717200 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.88 | 4.78 | 4.98 | 33288800 |
| | | 2 | 5.41 | 5.31 | 5.51 | 15910300 |
| | | 3 | 5.69 | 5.59 | 5.79 | 34270400 |
| | | 4 | 5.85 | 5.75 | 5.95 | 15707600 |
| | | 5 | 5.94 | 5.84 | 6.04 | 10640400 |
| Aroclor-1262 | 500 | 1 | 8.09 | 7.99 | 8.19 | 106300000 |
| | | 2 | 8.41 | 8.31 | 8.51 | 198383000 |
| | | 3 | 8.73 | 8.63 | 8.83 | 131742000 |
| | | 4 | 8.82 | 8.72 | 8.92 | 95614800 |
| | | 5 | 9.47 | 9.37 | 9.57 | 65066400 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Instrument ID:** ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

**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 | 4.03 | 3.93 | 4.13 | 15243600 |
| | | 2 | 4.11 | 4.01 | 4.21 | 11436300 |
| | | 3 | 4.19 | 4.09 | 4.29 | 34089000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.19 | 4.09 | 4.29 | 27986800 |
| | | 2 | 4.92 | 4.82 | 5.02 | 28061200 |
| | | 3 | 5.10 | 5.00 | 5.20 | 14889600 |
| | | 4 | 5.19 | 5.09 | 5.29 | 12804400 |
| | | 5 | 5.36 | 5.26 | 5.46 | 14174800 |
| Aroclor-1262 | 500 | 1 | 6.95 | 6.85 | 7.05 | 85563600 |
| | | 2 | 7.21 | 7.11 | 7.31 | 68464400 |
| | | 3 | 7.73 | 7.63 | 7.83 | 60723600 |
| | | 4 | 7.79 | 7.69 | 7.89 | 99406800 |
| | | 5 | 8.29 | 8.19 | 8.39 | 46871600 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:30
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 27 11:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.513 | 3.815 | 142.5E6 | 92648850 | 93.786 | 89.365 |
| 2) | SA Decachlor... | 10.227 | 8.858 | 101.9E6 | 79354796 | 91.276 | 91.738 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.665 | 4.903 | 47478014 | 34208953 | 932.147 | 901.282 |
| 4) | L1 AR-1016-2 | 5.687 | 4.921 | 72483549 | 49610574 | 919.712 | 912.281 |
| 5) | L1 AR-1016-3 | 5.749 | 5.098 | 43541298 | 27000462 | 930.054 | 904.567 |
| 6) | L1 AR-1016-4 | 5.846 | 5.140 | 36661280 | 21229955 | 939.673 | 892.248 |
| 7) | L1 AR-1016-5 | 6.140 | 5.355 | 32204227 | 26939544 | 919.053 | 893.388 |
| 31) | L7 AR-1260-1 | 7.258 | 6.391 | 60625379 | 45249076 | 907.240 | 937.989 |
| 32) | L7 AR-1260-2 | 7.512 | 6.579 | 90805769 | 58475471 | 928.402 | 929.598 |
| 33) | L7 AR-1260-3 | 7.870 | 6.732 | 75946924 | 50913622 | 915.347 | 944.233 |
| 34) | L7 AR-1260-4 | 8.095 | 7.204 | 67190656 | 42366044 | 824.917 | 892.130 |
| 35) | L7 AR-1260-5 | 8.413 | 7.445 | 154.6E6 | 113.1E6 | 966.441 | 902.278 |

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

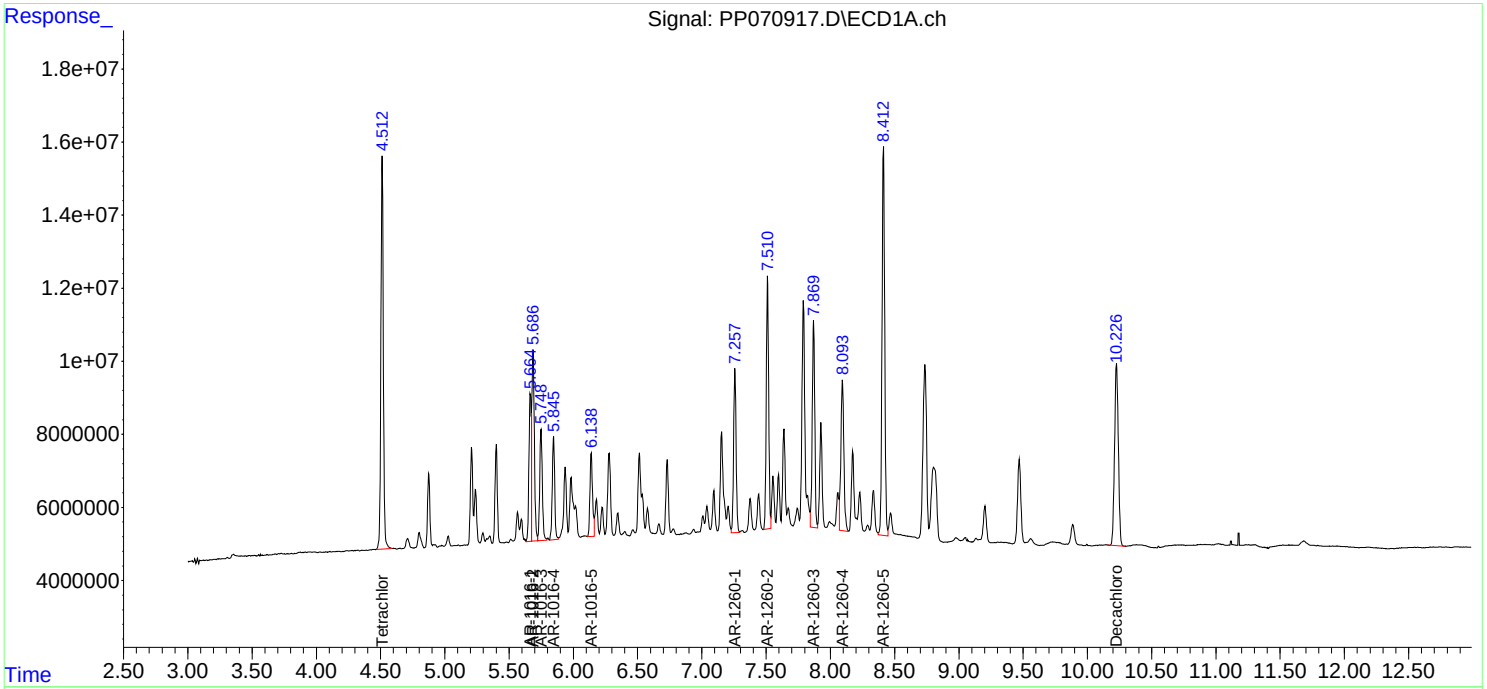
ICAL Form

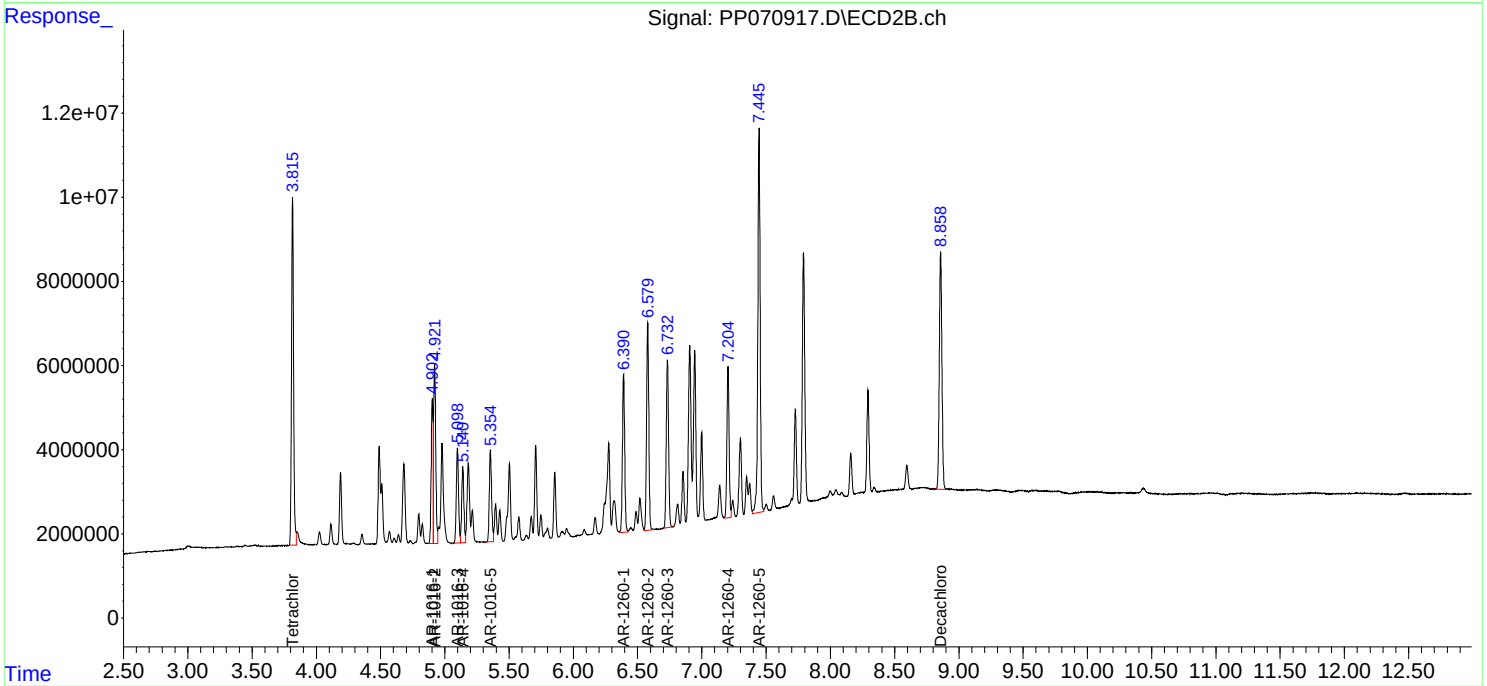
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

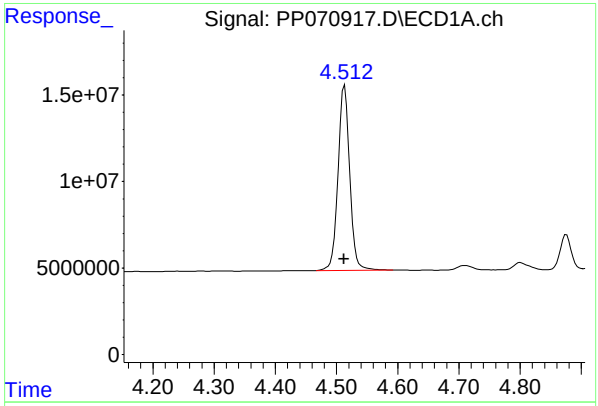
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



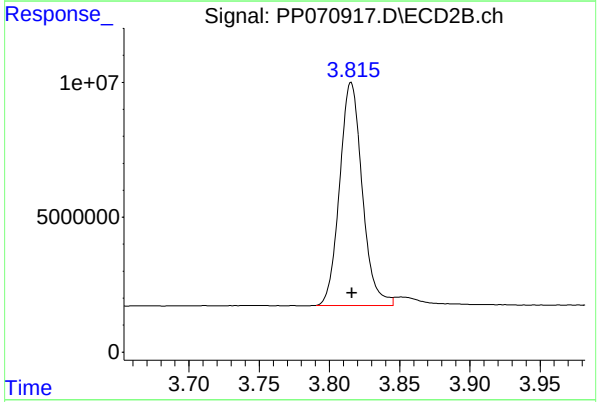






#1 Tetrachloro-m-xylene

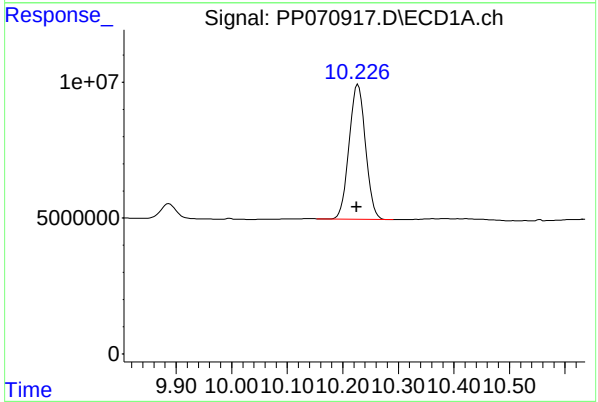
R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 142483740
Conc: 93.79 ng/ml

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



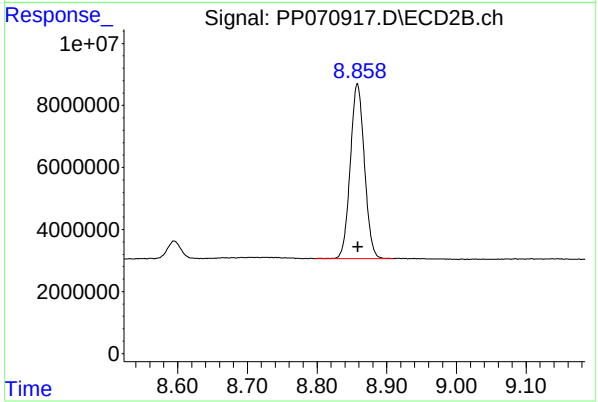

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 92648850
Conc: 89.36 ng/ml



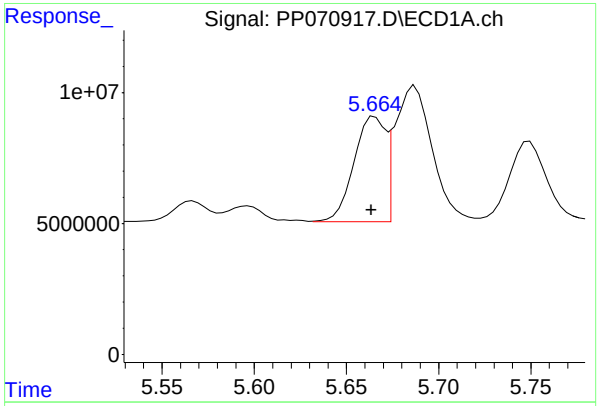

#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.002 min
Response: 101904743
Conc: 91.28 ng/ml




#2 Decachlorobiphenyl

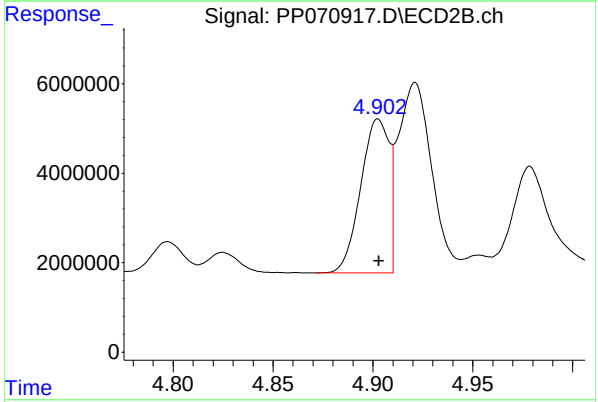
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 79354796
Conc: 91.74 ng/ml




#3 AR-1016-1

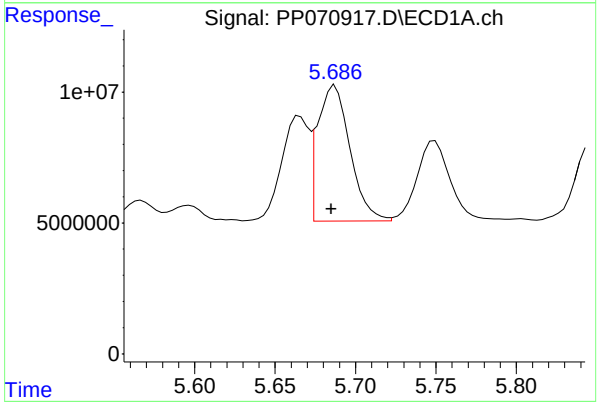
R.T.: 5.665 min
Delta R.T.: 0.002 min
Response: 47478014
Conc: 932.15 ng/ml

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



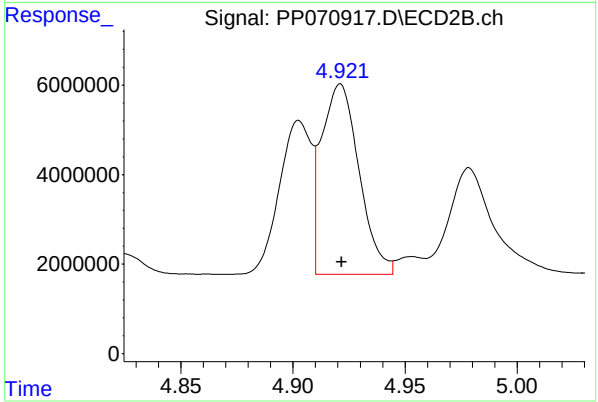

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 34208953
Conc: 901.28 ng/ml



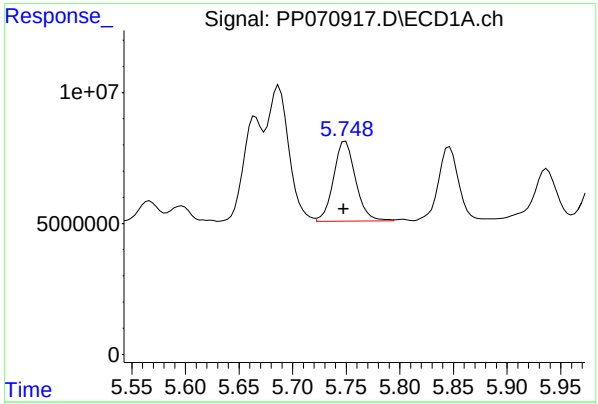

#4 AR-1016-2

R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 72483549
Conc: 919.71 ng/ml




#4 AR-1016-2

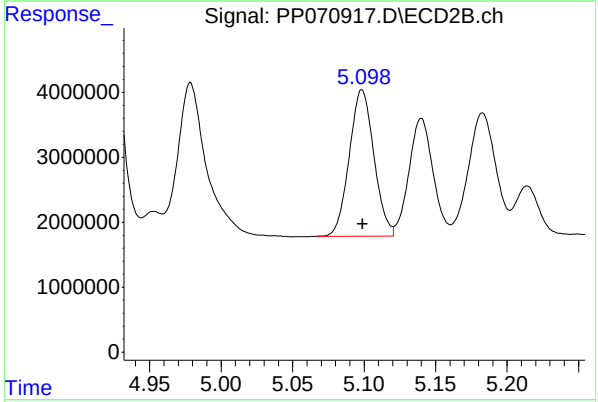
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 49610574
Conc: 912.28 ng/ml




#5 AR-1016-3

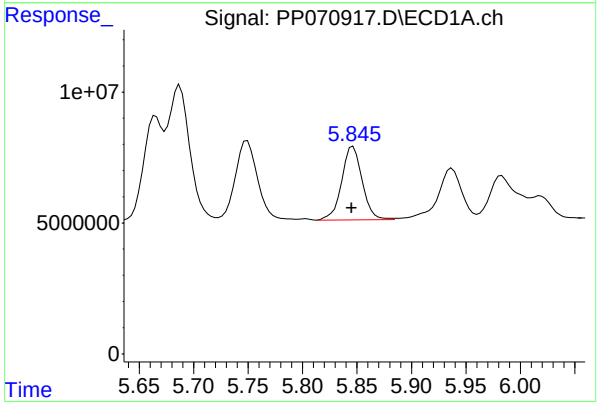
R.T.: 5.749 min
Delta R.T.: 0.002 min
Response: 43541298
Conc: 930.05 ng/ml

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



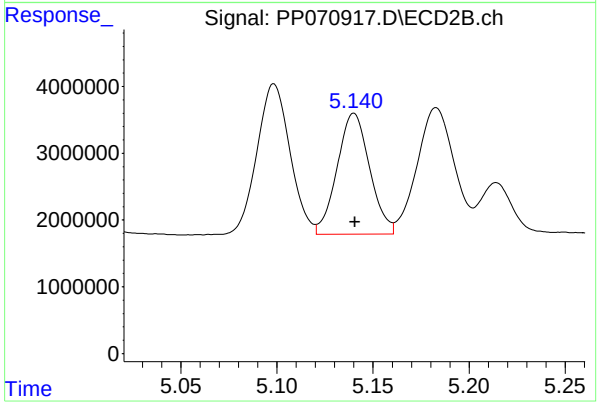

#5 AR-1016-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 27000462
Conc: 904.57 ng/ml



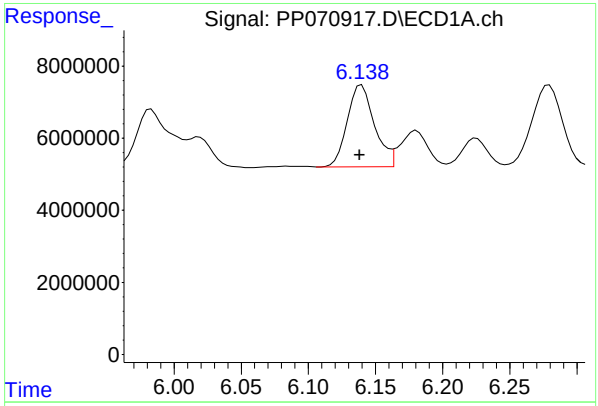

#6 AR-1016-4

R.T.: 5.846 min
Delta R.T.: 0.001 min
Response: 36661280
Conc: 939.67 ng/ml




#6 AR-1016-4

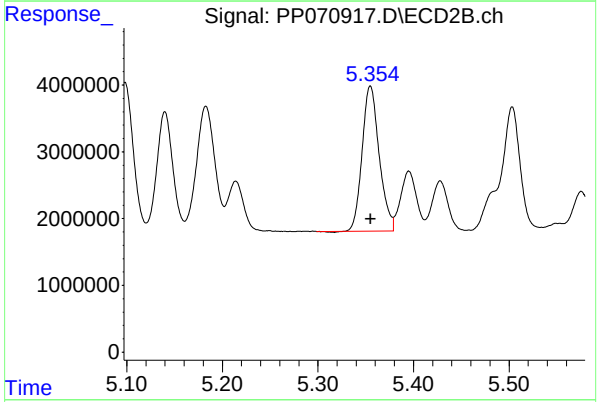
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 21229955
Conc: 892.25 ng/ml




#7 AR-1016-5

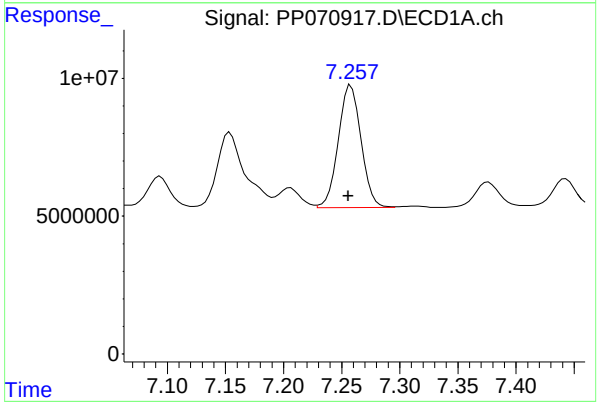
R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 32204227
Conc: 919.05 ng/ml

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



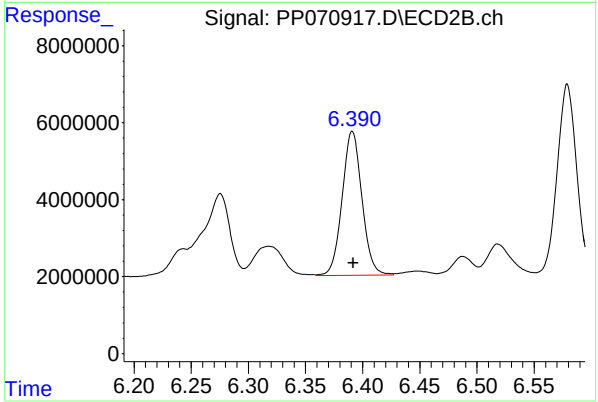

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 26939544
Conc: 893.39 ng/ml



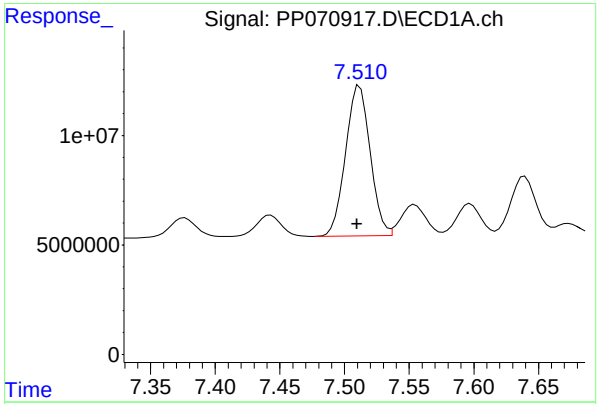

#31 AR-1260-1

R.T.: 7.258 min
Delta R.T.: 0.002 min
Response: 60625379
Conc: 907.24 ng/ml




#31 AR-1260-1

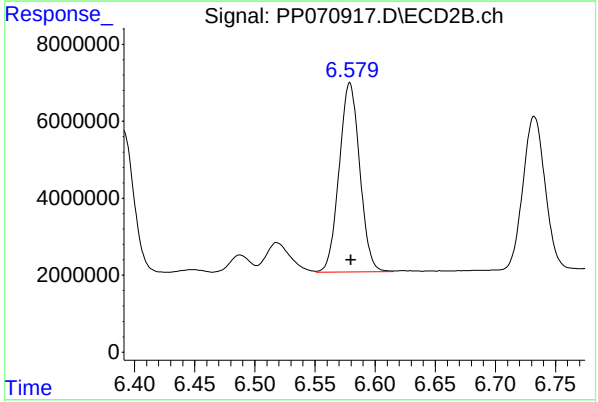
R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 45249076
Conc: 937.99 ng/ml




#32 AR-1260-2

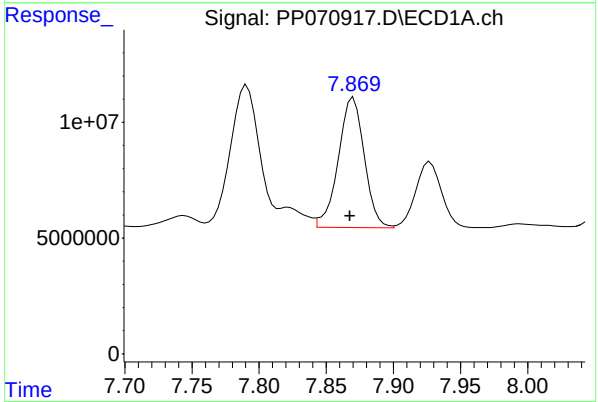
R.T.: 7.512 min
Delta R.T.: 0.002 min
Response: 90805769
Conc: 928.40 ng/ml

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



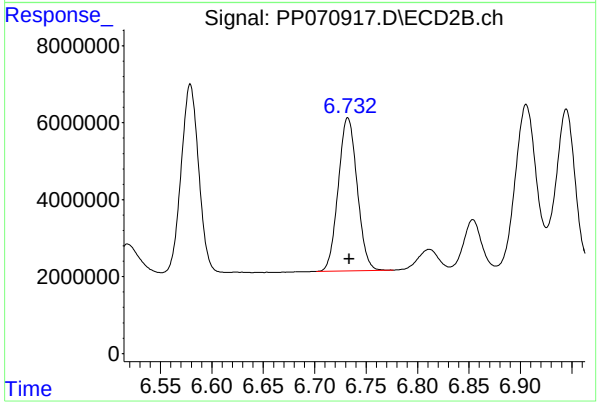

#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 58475471
Conc: 929.60 ng/ml



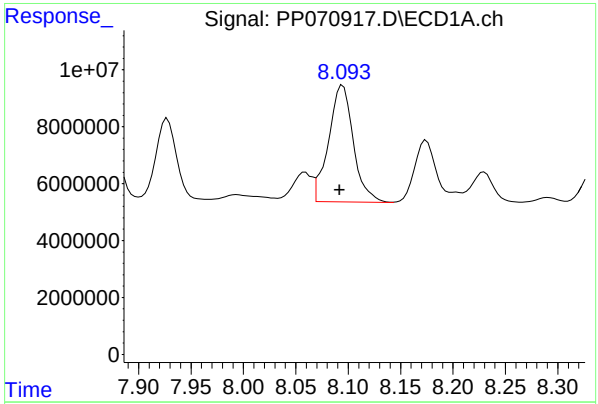

#33 AR-1260-3

R.T.: 7.870 min
Delta R.T.: 0.002 min
Response: 75946924
Conc: 915.35 ng/ml




#33 AR-1260-3

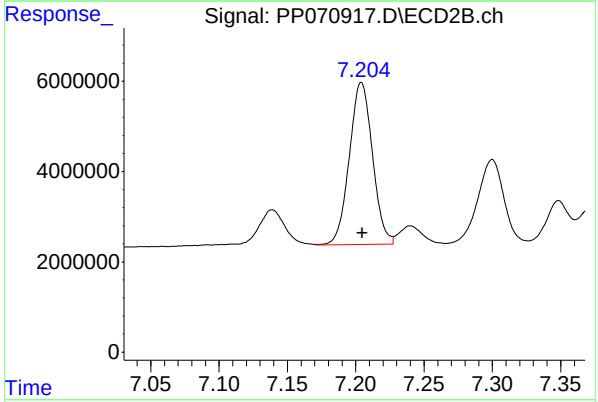
R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 50913622
Conc: 944.23 ng/ml




#34 AR-1260-4

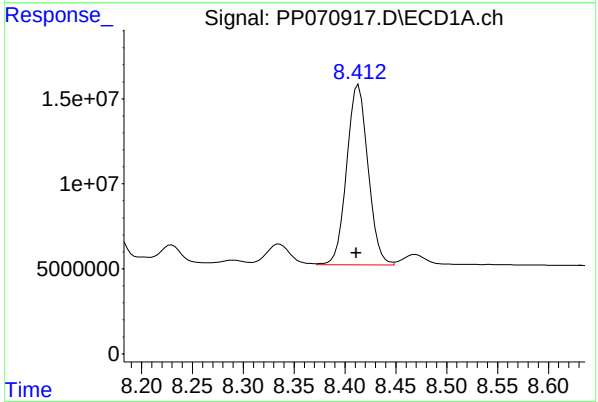
R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 67190656
Conc: 824.92 ng/ml

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



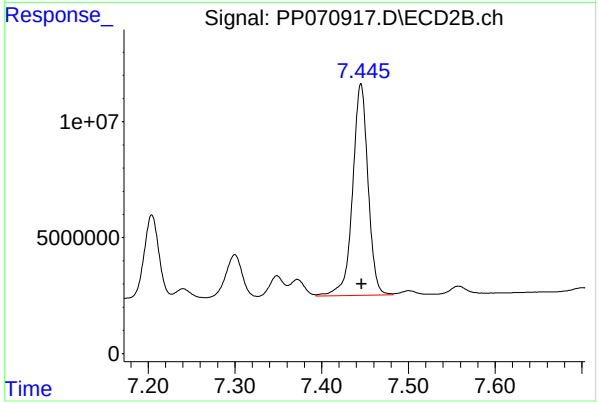

#34 AR-1260-4

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 42366044
Conc: 892.13 ng/ml




#35 AR-1260-5

R.T.: 8.413 min
Delta R.T.: 0.002 min
Response: 154592706
Conc: 966.44 ng/ml




#35 AR-1260-5

R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 113066934
Conc: 902.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:47
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 27 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.516 | 3.816 | 109.6E6 | 76743418 | 72.145 | 74.023 |
| 2) SA | Decachlor... | 10.232 | 8.858 | 79929815 | 63467739 | 71.593 | 73.372 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.668 | 4.903 | 36878765 | 28246340 | 724.049 | 744.189 |
| 4) L1 | AR-1016-2 | 5.690 | 4.922 | 55926362 | 40045379 | 709.625 | 736.388 |
| 5) L1 | AR-1016-3 | 5.752 | 5.098 | 33032965 | 22299566 | 705.593 | 747.078 |
| 6) L1 | AR-1016-4 | 5.850 | 5.140 | 27452141 | 17599061 | 703.632 | 739.649 |
| 7) L1 | AR-1016-5 | 6.142 | 5.355 | 25115726 | 22419832 | 716.759 | 743.502 |
| 31) L7 | AR-1260-1 | 7.261 | 6.391 | 46678805 | 34889457 | 698.534 | 723.240 |
| 32) L7 | AR-1260-2 | 7.514 | 6.578 | 71623177 | 45945144 | 732.278 | 730.401 |
| 33) L7 | AR-1260-3 | 7.873 | 6.732 | 59218079 | 39234472 | 713.723 | 727.634 |
| 34) L7 | AR-1260-4 | 8.097 | 7.203 | 56265266 | 33296646 | 690.783 | 701.150 |
| 35) L7 | AR-1260-5 | 8.417 | 7.444 | 117.1E6 | 87479828 | 731.936 | 698.092 |

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

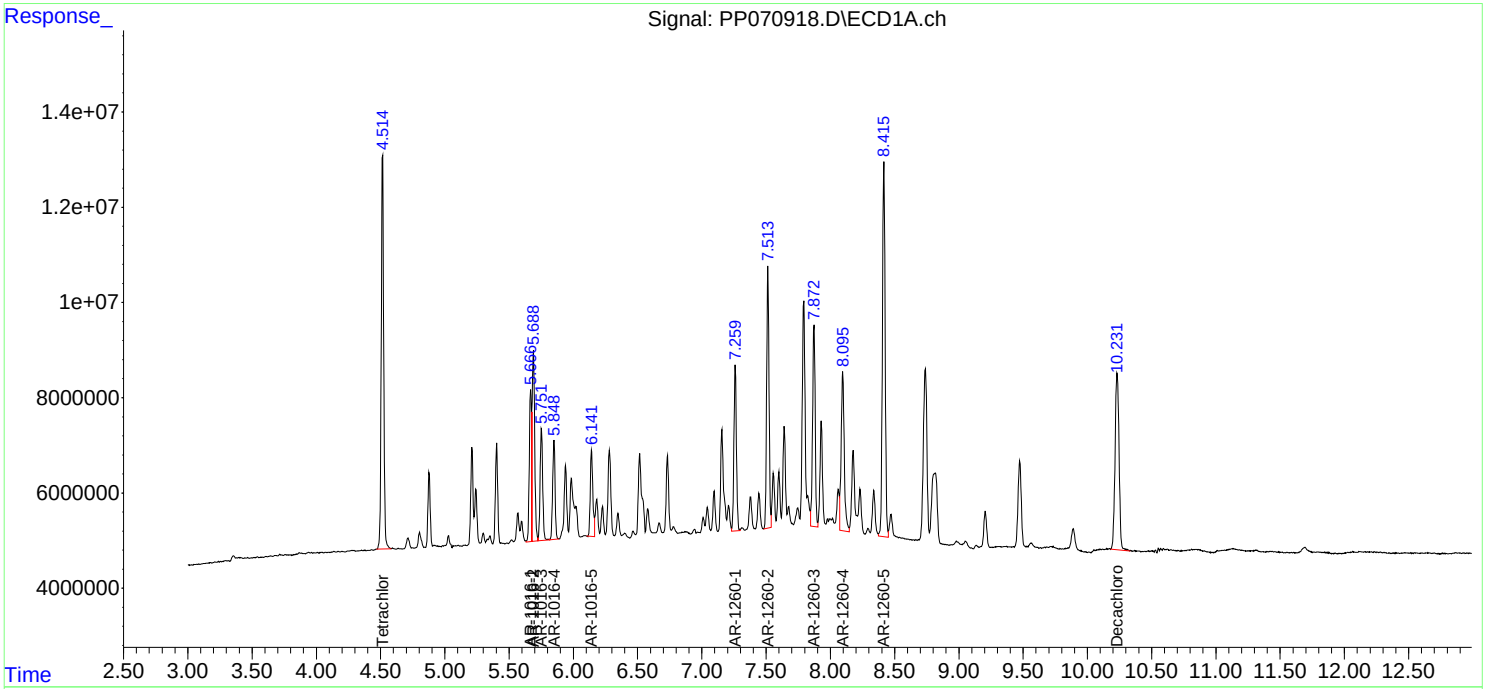
ICAL Form

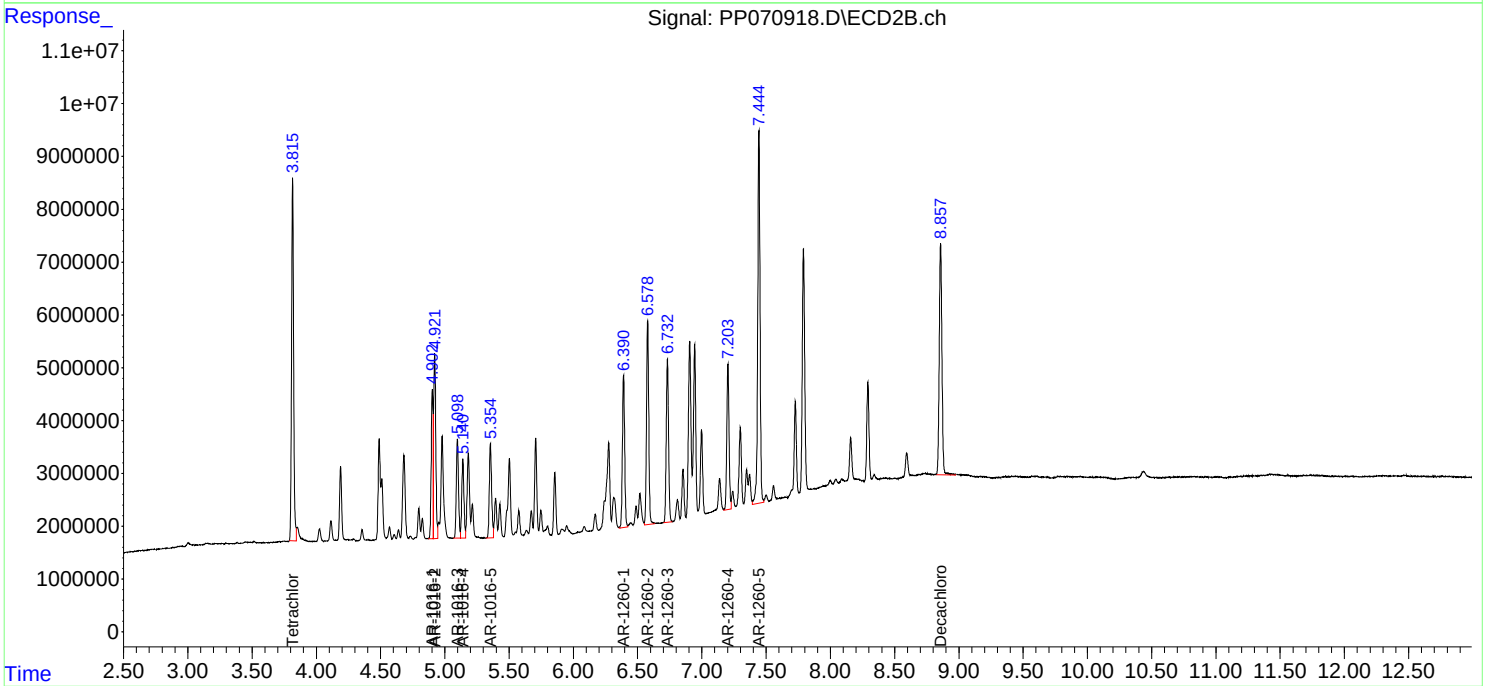
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:47
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

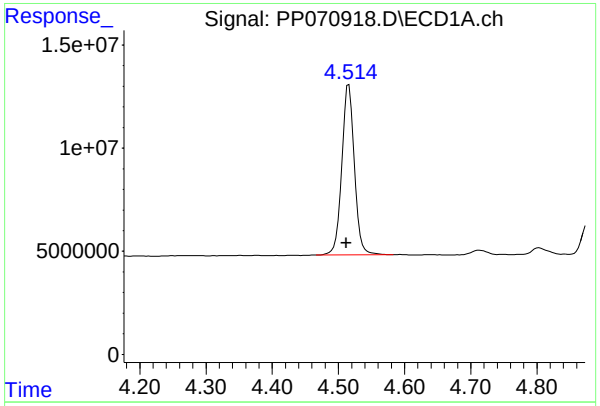
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



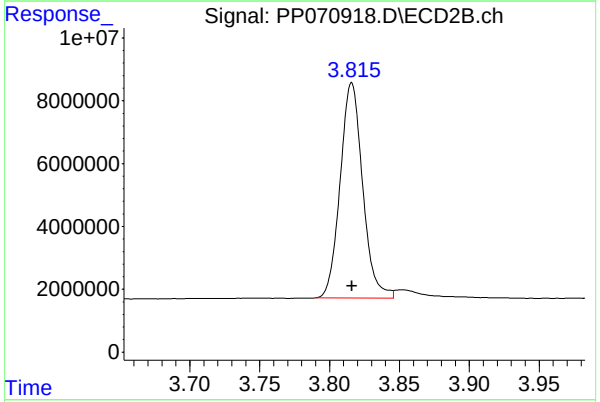






#1 Tetrachloro-m-xylene

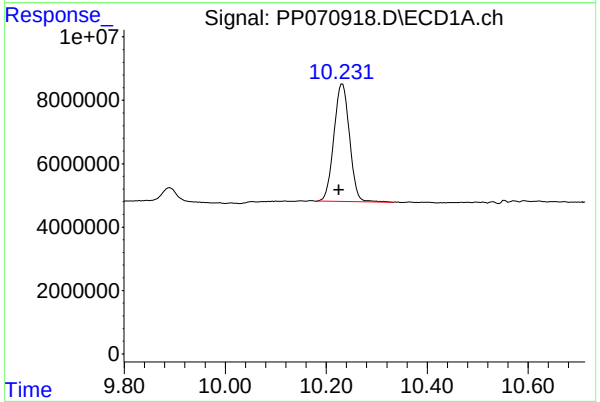
R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 109605429
Conc: 72.14 ng/ml

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



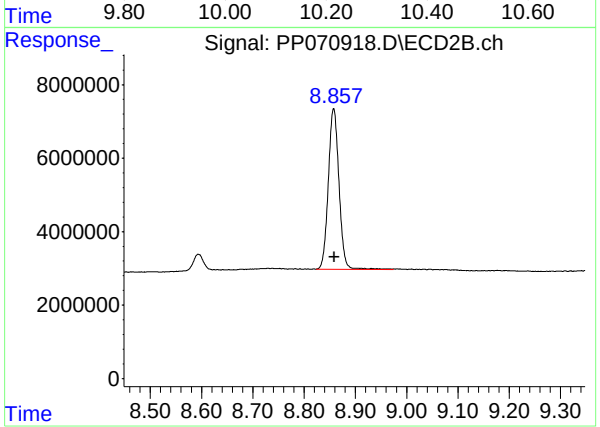

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 76743418
Conc: 74.02 ng/ml



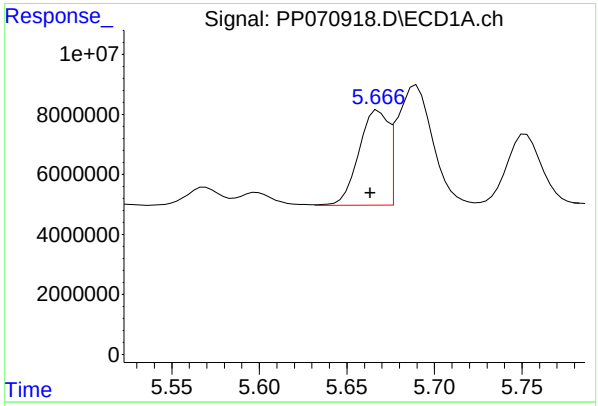

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.007 min
Response: 79929815
Conc: 71.59 ng/ml




#2 Decachlorobiphenyl

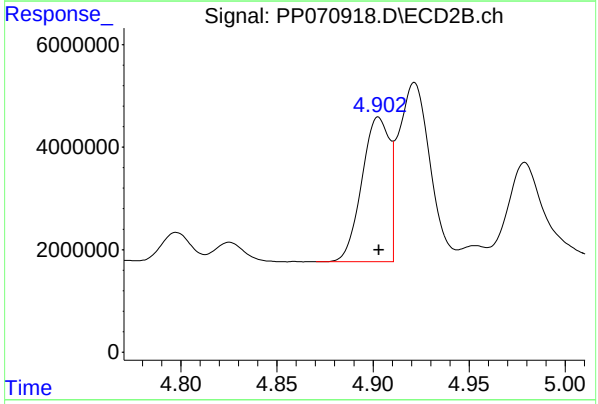
R.T.: 8.858 min
Delta R.T.: -0.001 min
Response: 63467739
Conc: 73.37 ng/ml




#3 AR-1016-1

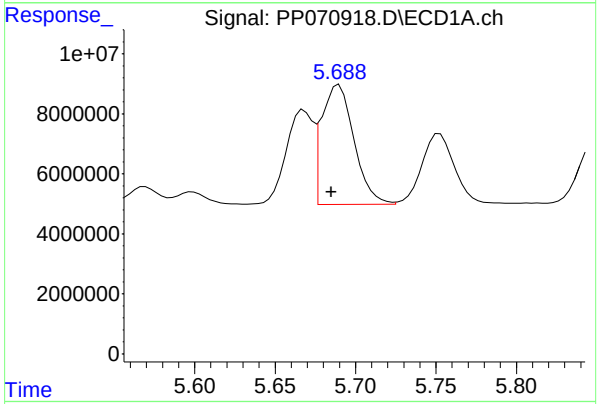
R.T.: 5.668 min
Delta R.T.: 0.005 min
Response: 36878765
Conc: 724.05 ng/ml

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



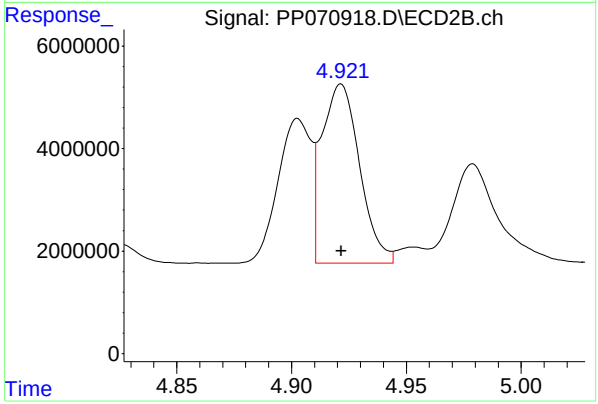

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 28246340
Conc: 744.19 ng/ml



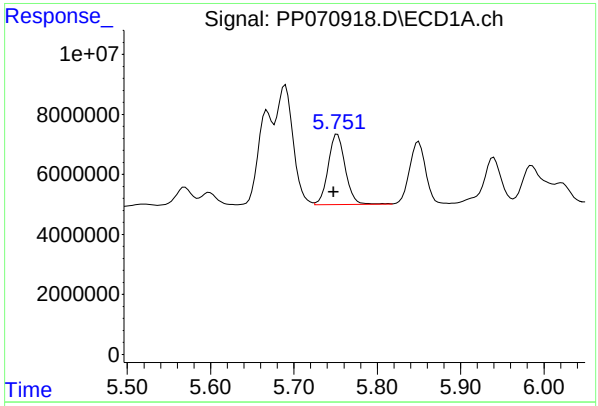

#4 AR-1016-2

R.T.: 5.690 min
Delta R.T.: 0.005 min
Response: 55926362
Conc: 709.62 ng/ml




#4 AR-1016-2

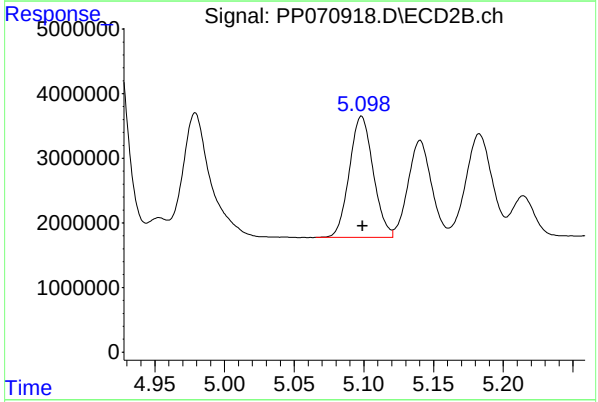
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 40045379
Conc: 736.39 ng/ml




#5 AR-1016-3

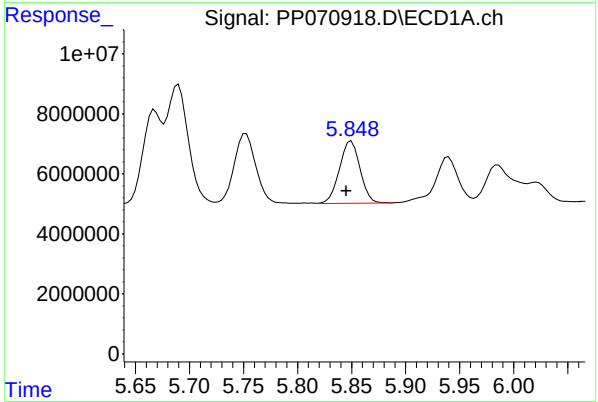
R.T.: 5.752 min
Delta R.T.: 0.005 min
Response: 33032965
Conc: 705.59 ng/ml

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



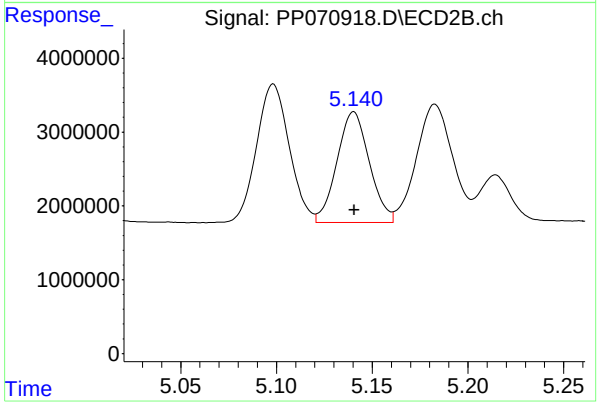

#5 AR-1016-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 22299566
Conc: 747.08 ng/ml



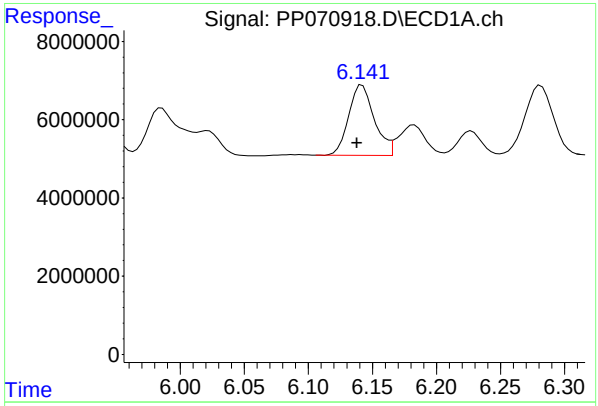

#6 AR-1016-4

R.T.: 5.850 min
Delta R.T.: 0.005 min
Response: 27452141
Conc: 703.63 ng/ml




#6 AR-1016-4

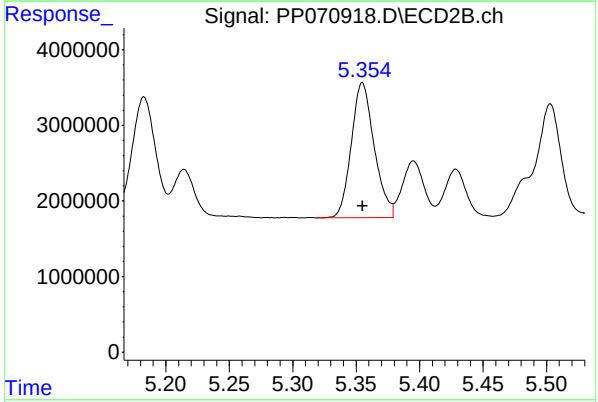
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 17599061
Conc: 739.65 ng/ml




#7 AR-1016-5

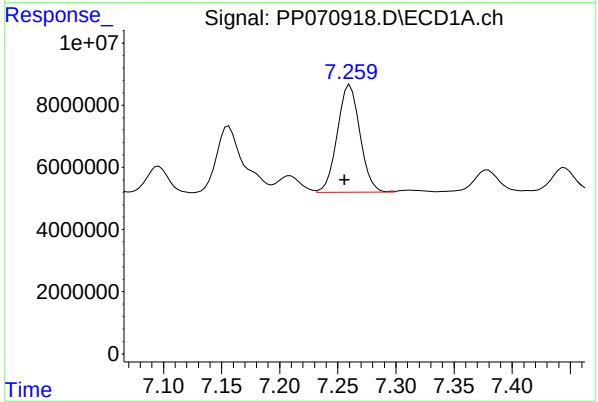
R.T.: 6.142 min
Delta R.T.: 0.004 min
Response: 25115726
Conc: 716.76 ng/ml

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



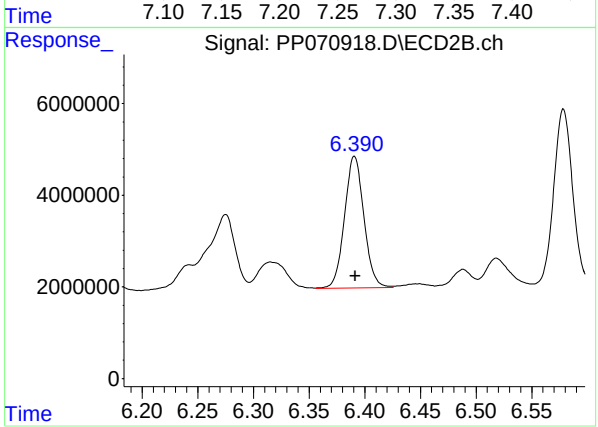

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 22419832
Conc: 743.50 ng/ml



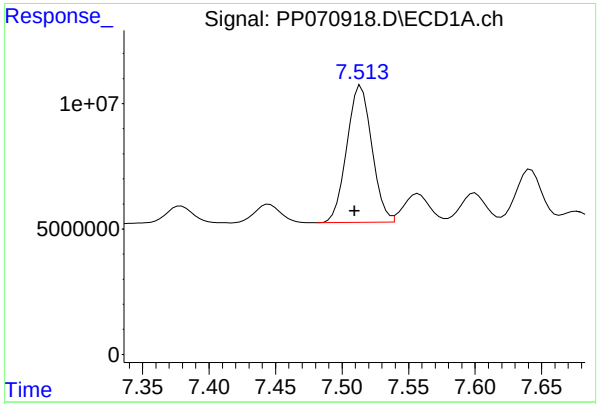

#31 AR-1260-1

R.T.: 7.261 min
Delta R.T.: 0.005 min
Response: 46678805
Conc: 698.53 ng/ml




#31 AR-1260-1

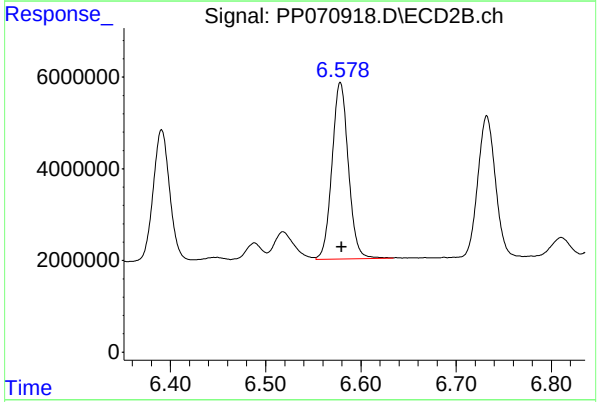
R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 34889457
Conc: 723.24 ng/ml




#32 AR-1260-2

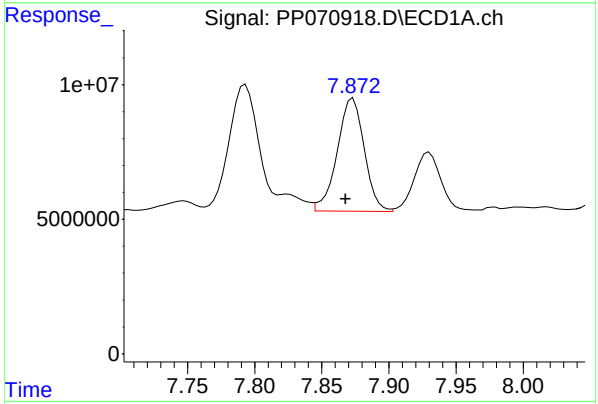
R.T.: 7.514 min
Delta R.T.: 0.005 min
Response: 71623177
Conc: 732.28 ng/ml

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



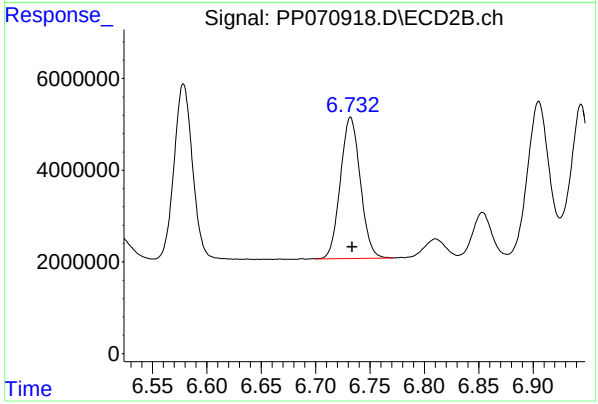

#32 AR-1260-2

R.T.: 6.578 min
Delta R.T.: -0.001 min
Response: 45945144
Conc: 730.40 ng/ml



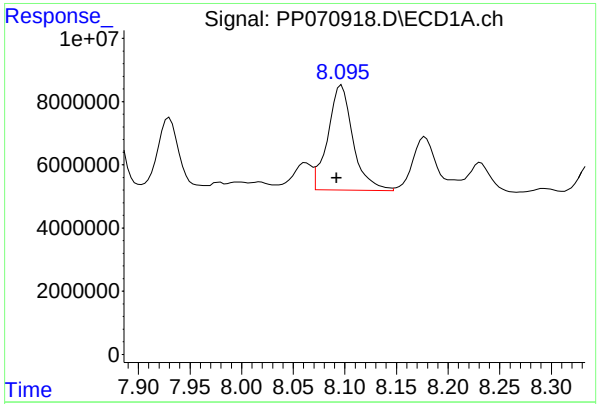

#33 AR-1260-3

R.T.: 7.873 min
Delta R.T.: 0.005 min
Response: 59218079
Conc: 713.72 ng/ml




#33 AR-1260-3

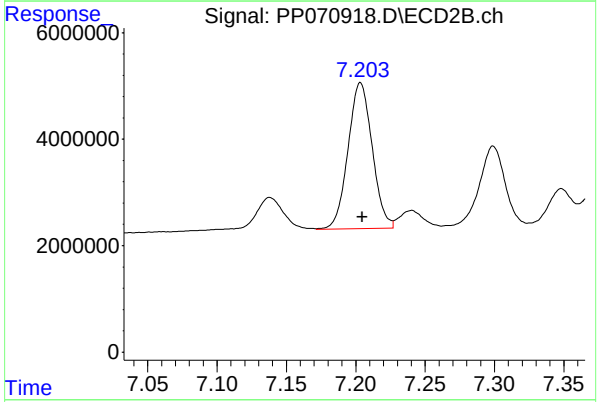
R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 39234472
Conc: 727.63 ng/ml




#34 AR-1260-4

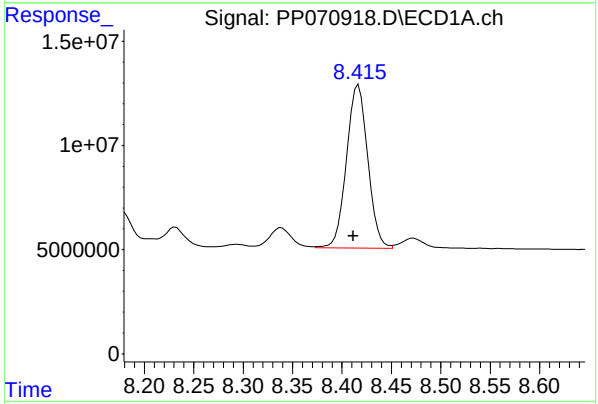
R.T.: 8.097 min
Delta R.T.: 0.005 min
Response: 56265266
Conc: 690.78 ng/ml

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



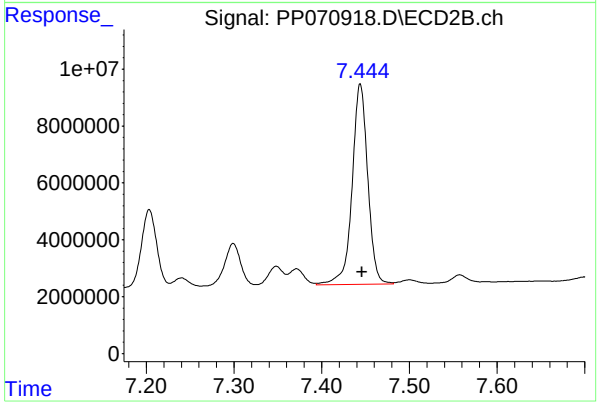

#34 AR-1260-4

R.T.: 7.203 min
Delta R.T.: -0.001 min
Response: 33296646
Conc: 701.15 ng/ml




#35 AR-1260-5

R.T.: 8.417 min
Delta R.T.: 0.005 min
Response: 117081076
Conc: 731.94 ng/ml




#35 AR-1260-5

R.T.: 7.444 min
Delta R.T.: -0.002 min
Response: 87479828
Conc: 698.09 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:03
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 27 11:43:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.512 | 3.816 | 75962416 | 51837404 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.225 | 8.859 | 55822450 | 43250808 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.663 | 4.903 | 25467030 | 18977943 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.685 | 4.922 | 39405586 | 27190389 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 5.748 | 5.099 | 23407932 | 14924529 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 5.845 | 5.141 | 19507464 | 11896894 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 6.138 | 5.355 | 17520341 | 15077187 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.256 | 6.392 | 33411980 | 24120261 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.510 | 6.580 | 48904355 | 31452019 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 7.868 | 6.734 | 41485326 | 26960319 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 8.092 | 7.205 | 40725714 | 23744314 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.411 | 7.446 | 79980400 | 62656405 | 500.000 | 500.000 |

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

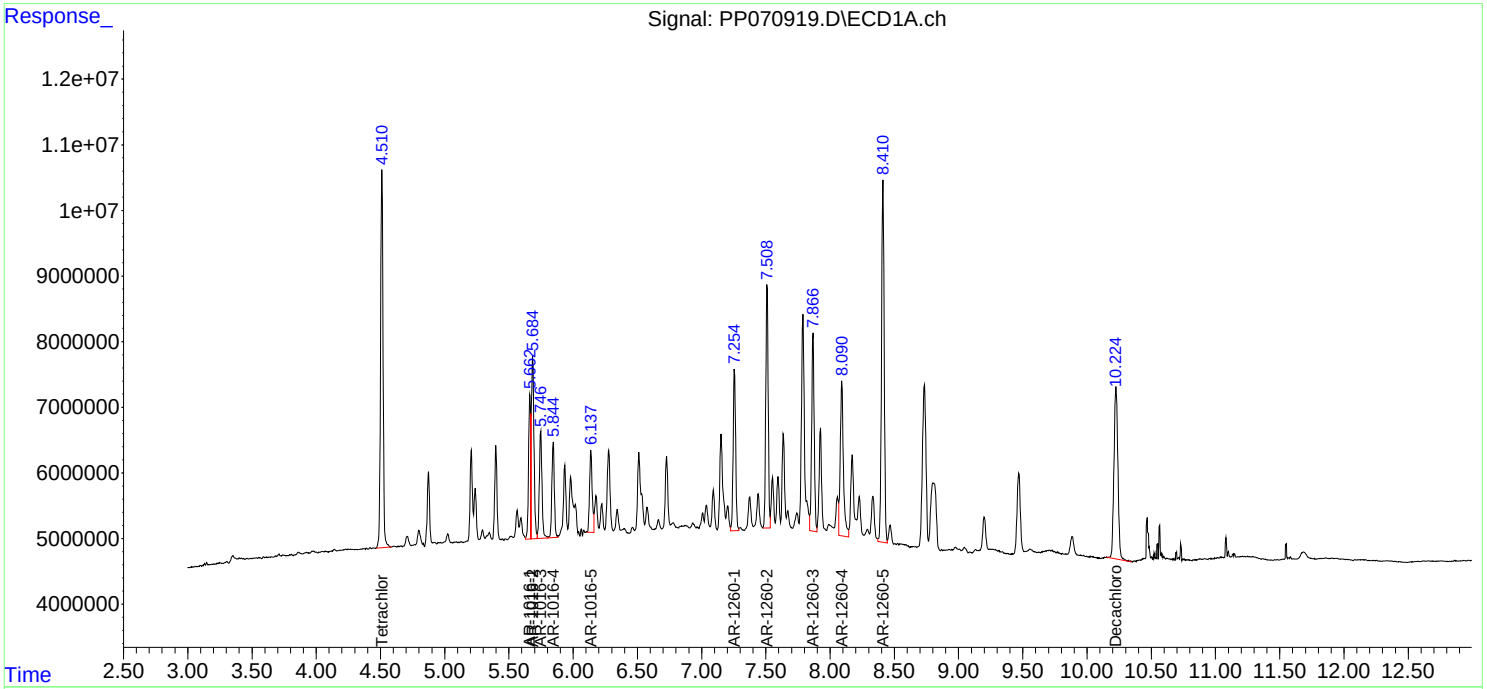
ICAL Form

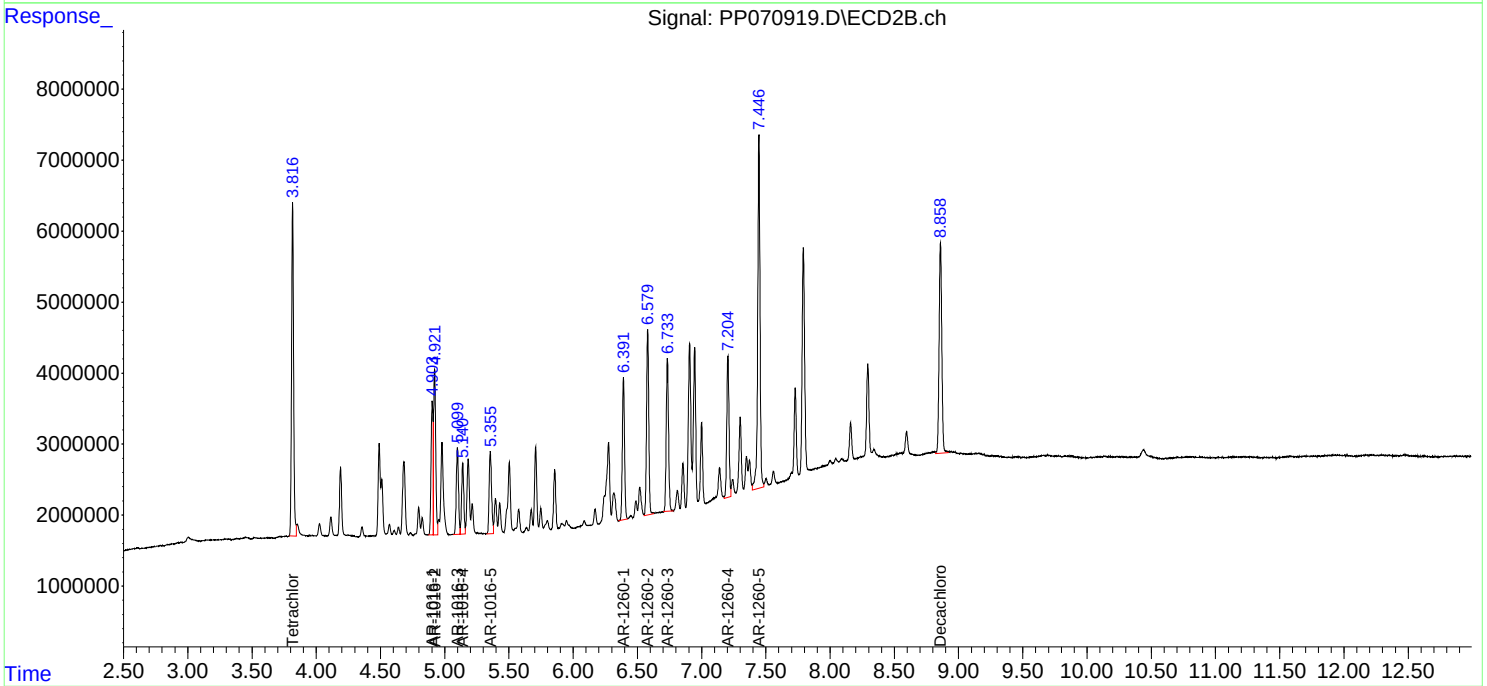
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:03
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

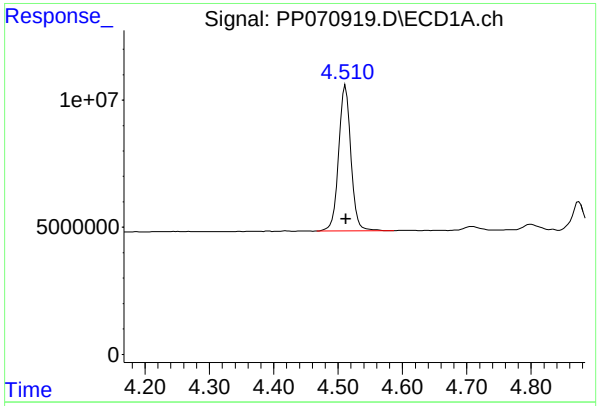
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 11:43:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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



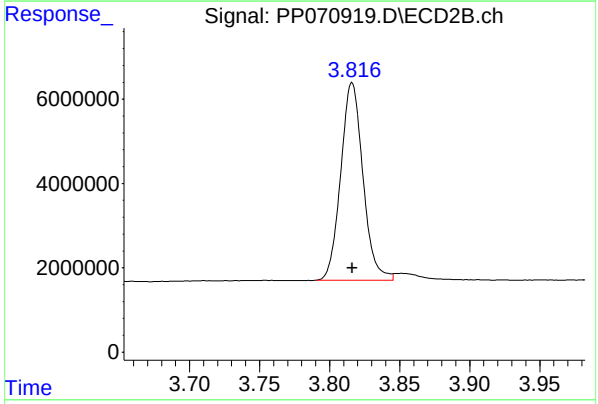






#1 Tetrachloro-m-xylene

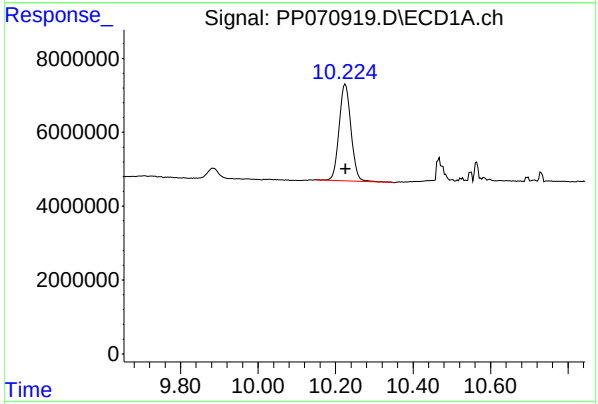
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 75962416
Conc: 50.00 ng/ml

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



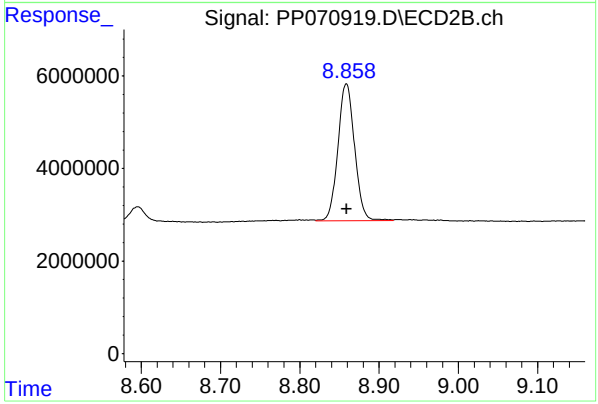

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 51837404
Conc: 50.00 ng/ml



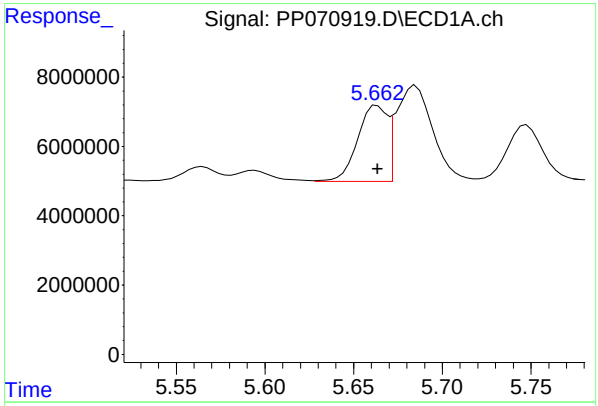

#2 Decachlorobiphenyl

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 55822450
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

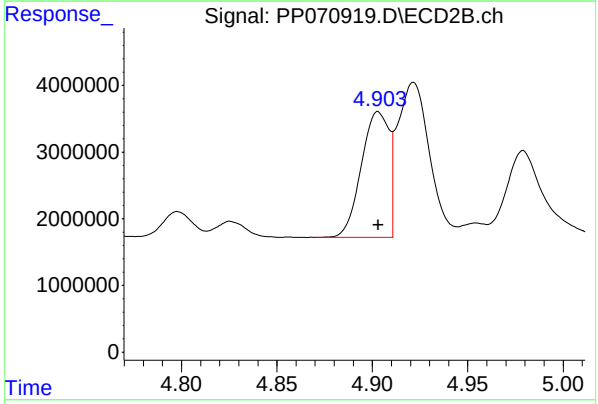
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 43250808
Conc: 50.00 ng/ml




#3 AR-1016-1

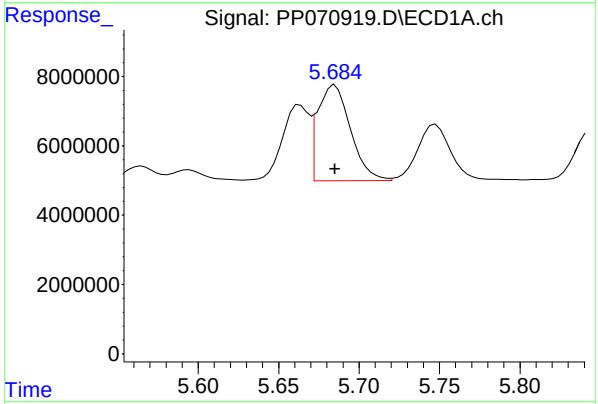
R.T.: 5.663 min
Delta R.T.: 0.000 min
Response: 25467030
Conc: 500.00 ng/ml

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



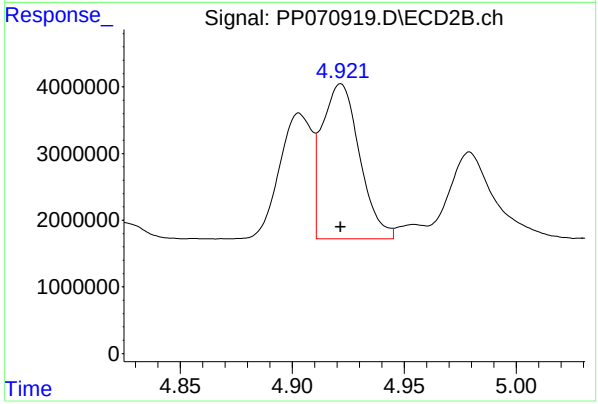

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 18977943
Conc: 500.00 ng/ml



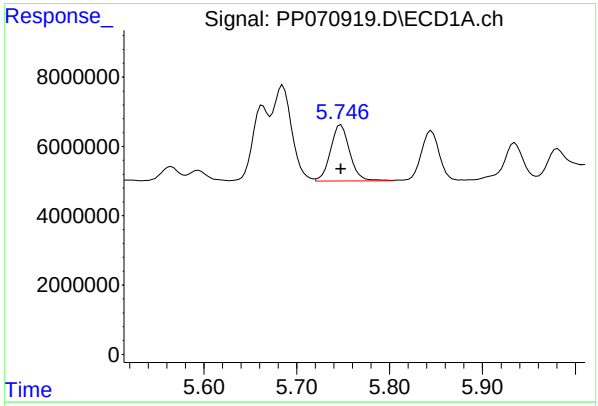

#4 AR-1016-2

R.T.: 5.685 min
Delta R.T.: 0.000 min
Response: 39405586
Conc: 500.00 ng/ml




#4 AR-1016-2

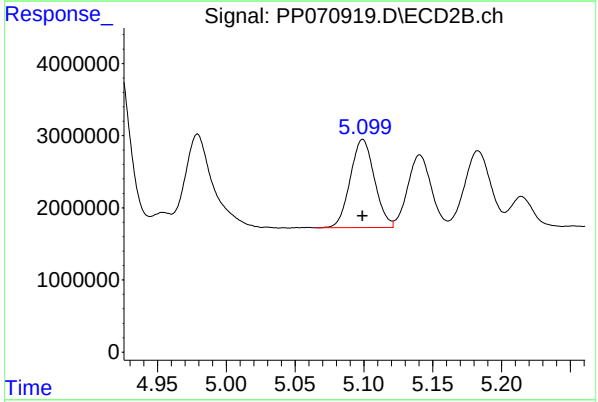
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 27190389
Conc: 500.00 ng/ml




#5 AR-1016-3

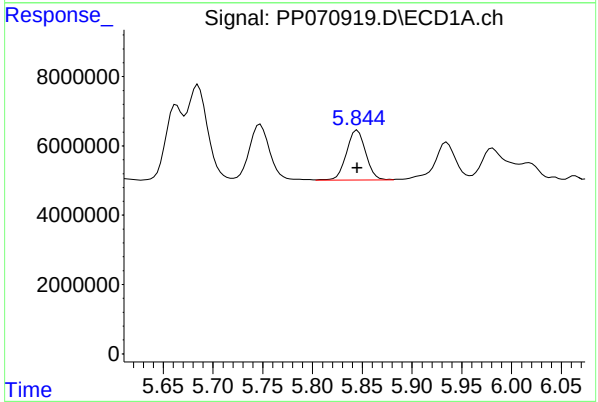
R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 23407932
Conc: 500.00 ng/ml

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



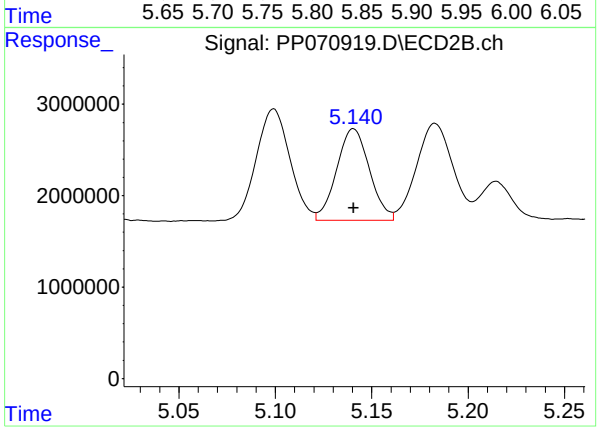

#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 14924529
Conc: 500.00 ng/ml



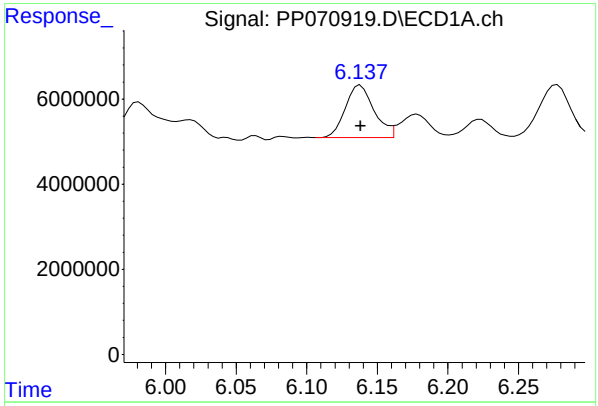

#6 AR-1016-4

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 19507464
Conc: 500.00 ng/ml




#6 AR-1016-4

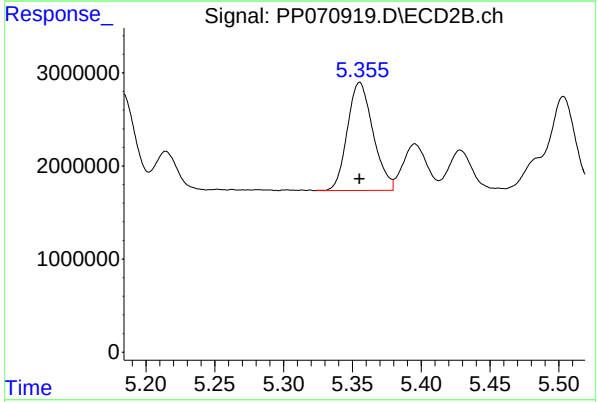
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 11896894
Conc: 500.00 ng/ml




#7 AR-1016-5

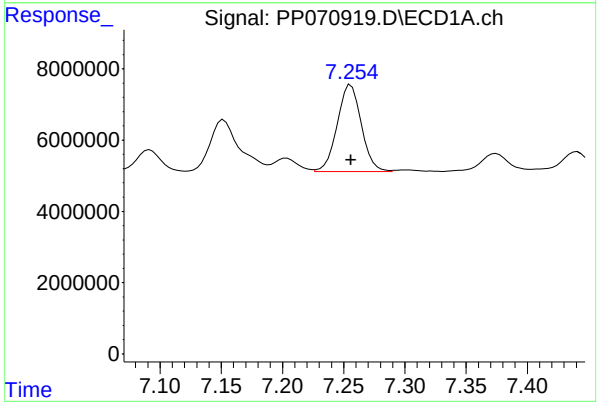
R.T.: 6.138 min
Delta R.T.: 0.000 min
Response: 17520341
Conc: 500.00 ng/ml

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



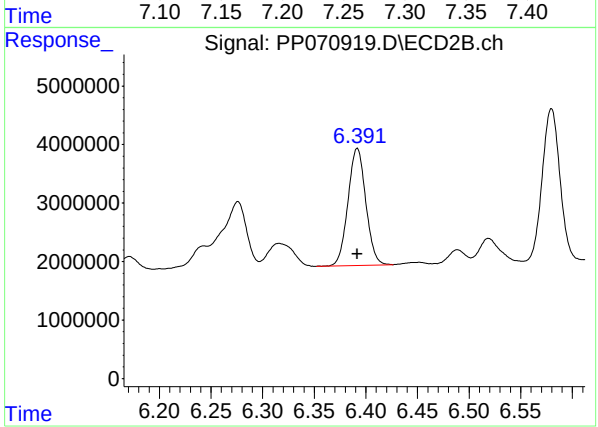

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 15077187
Conc: 500.00 ng/ml



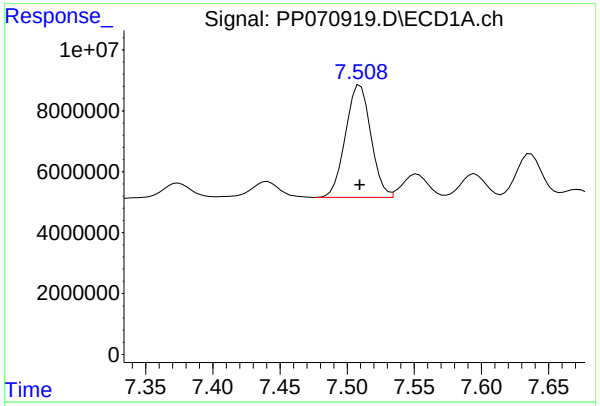

#31 AR-1260-1

R.T.: 7.256 min
Delta R.T.: 0.000 min
Response: 33411980
Conc: 500.00 ng/ml




#31 AR-1260-1

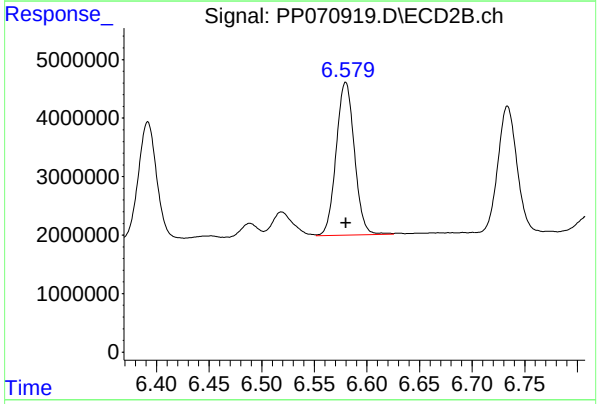
R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 24120261
Conc: 500.00 ng/ml




#32 AR-1260-2

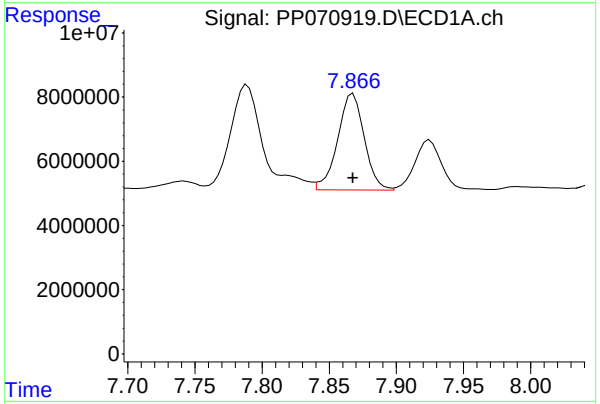
R.T.: 7.510 min
Delta R.T.: 0.000 min
Response: 48904355
Conc: 500.00 ng/ml

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



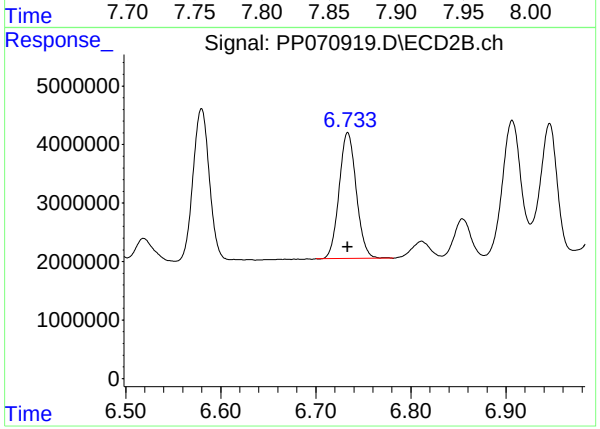

#32 AR-1260-2

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 31452019
Conc: 500.00 ng/ml



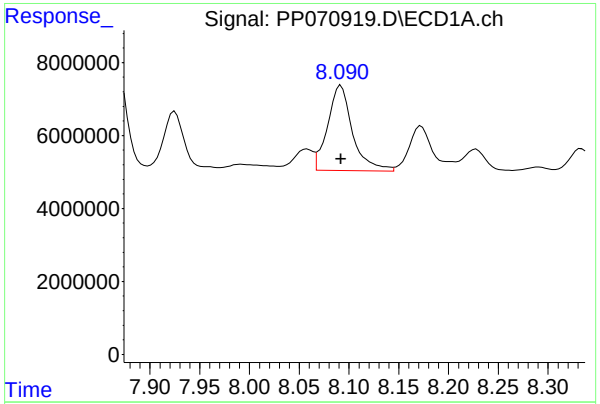

#33 AR-1260-3

R.T.: 7.868 min
Delta R.T.: 0.000 min
Response: 41485326
Conc: 500.00 ng/ml




#33 AR-1260-3

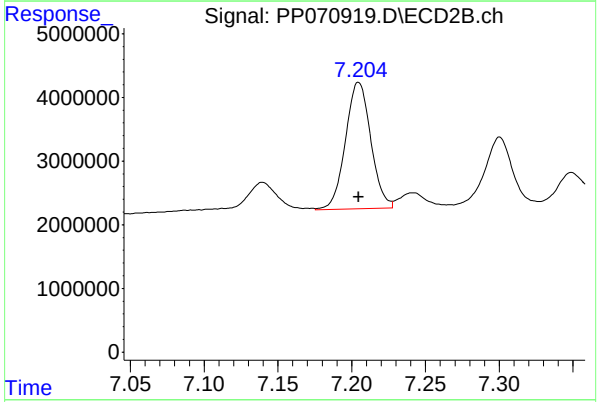
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 26960319
Conc: 500.00 ng/ml




#34 AR-1260-4

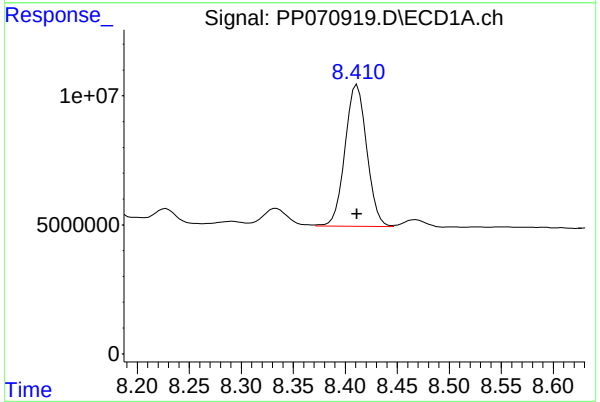
R.T.: 8.092 min
Delta R.T.: 0.000 min
Response: 40725714
Conc: 500.00 ng/ml

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



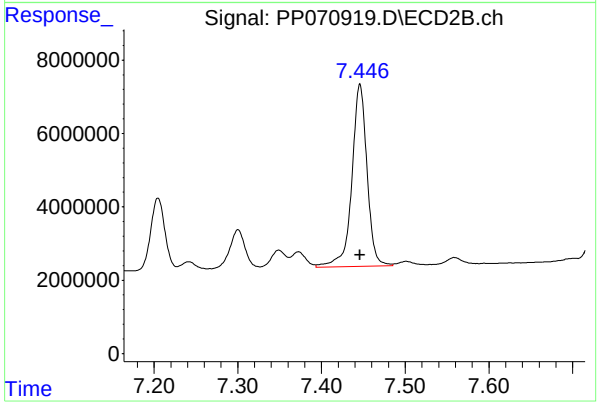

#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 23744314
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 8.411 min
Delta R.T.: 0.000 min
Response: 79980400
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 62656405
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.515 | 3.816 | 39892911 | 28120307 | 26.258 | 27.124 |
| 2) SA | Decachlor... | 10.229 | 8.859 | 27877719 | 18839232 | 24.970 | 21.779 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.667 | 4.903 | 13581167 | 11323714 | 266.642 | 298.339 |
| 4) L1 | AR-1016-2 | 5.689 | 4.922 | 20108471 | 16375760 | 255.147 | 301.131 |
| 5) L1 | AR-1016-3 | 5.751 | 5.099 | 12212490 | 8877034 | 260.862 | 297.397 |
| 6) L1 | AR-1016-4 | 5.848 | 5.141 | 9803037 | 7158830 | 251.264 | 300.870 |
| 7) L1 | AR-1016-5 | 6.141 | 5.355 | 9152735 | 9323046 | 261.203 | 309.177 |
| 31) L7 | AR-1260-1 | 7.260 | 6.391 | 18182257 | 14056672 | 272.092 | 291.387 |
| 32) L7 | AR-1260-2 | 7.513 | 6.579 | 25714746 | 17295947 | 262.909 | 274.958 |
| 33) L7 | AR-1260-3 | 7.870 | 6.733 | 21528554 | 14684885 | 259.472m | 272.343 |
| 34) L7 | AR-1260-4 | 8.094 | 7.205 | 19536409 | 12488782 | 239.853m | 262.985 |
| 35) L7 | AR-1260-5 | 8.414 | 7.446 | 41714322 | 31815782 | 260.778m | 253.891 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

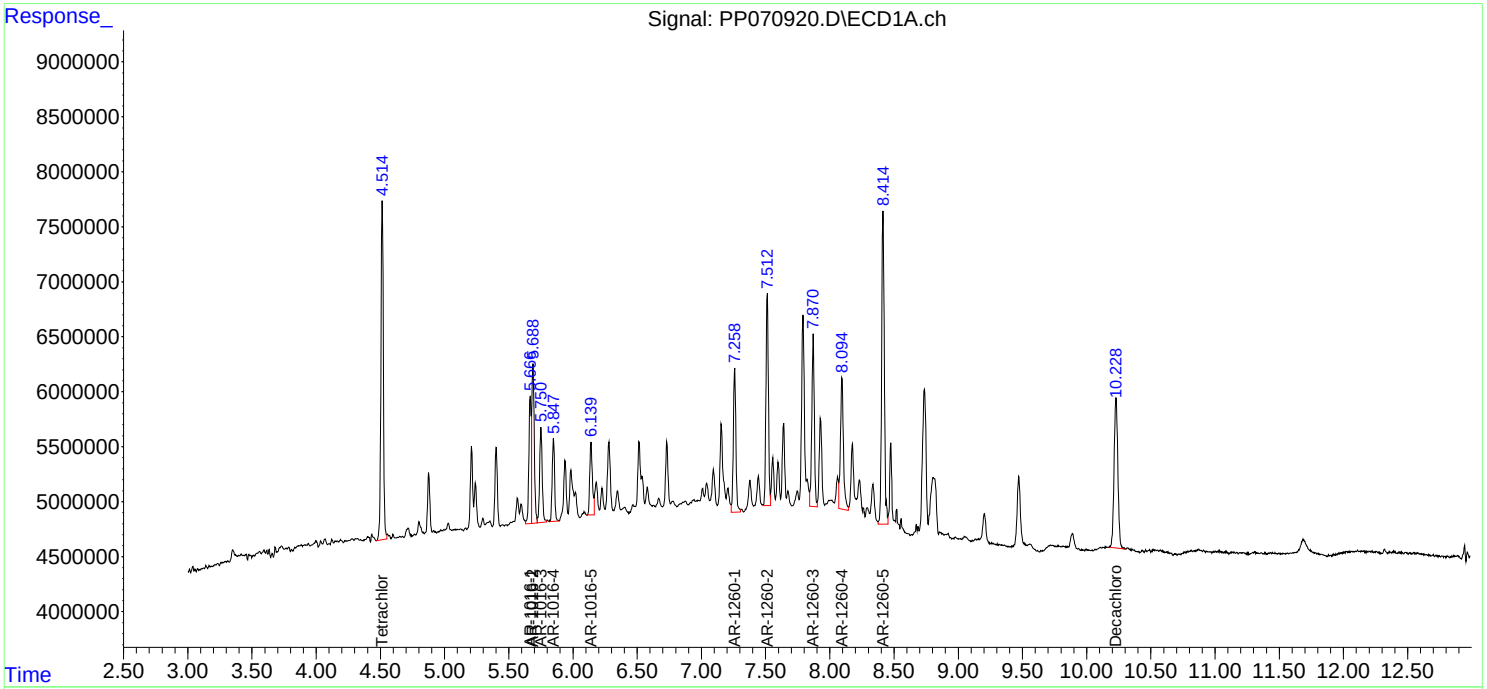
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

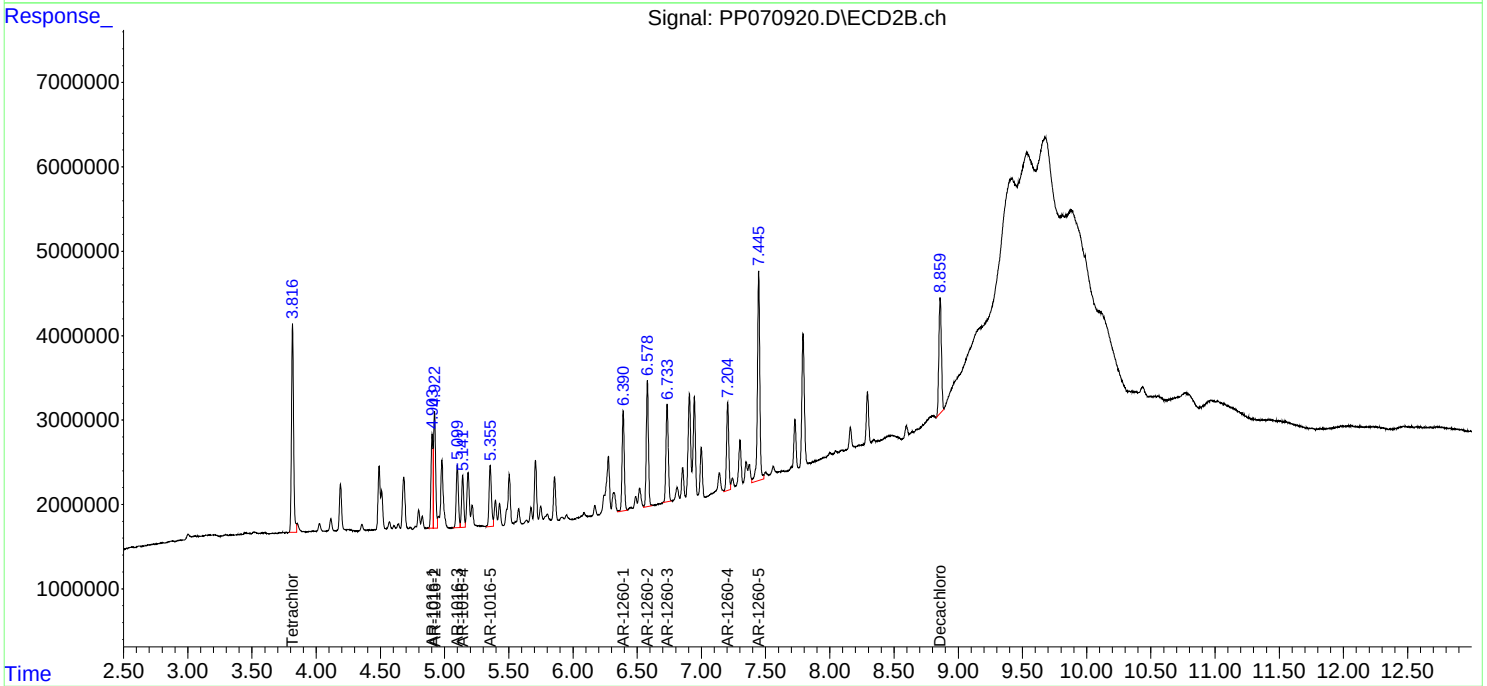
**Manual Integrations APPROVED**

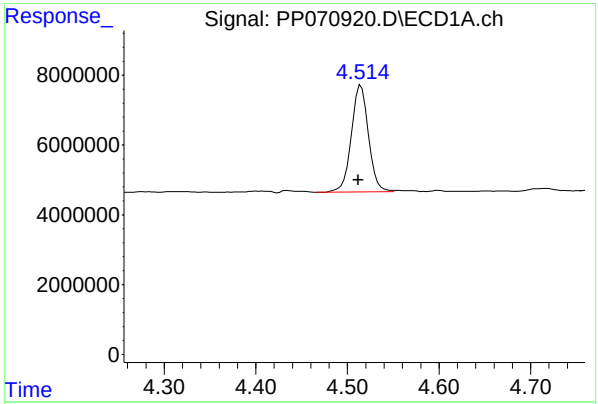
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:11:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





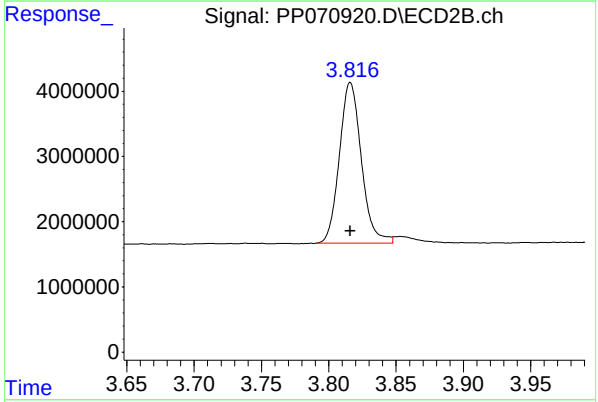

#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.003 min
Response: 39892911
Conc: 26.26 ng/ml

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

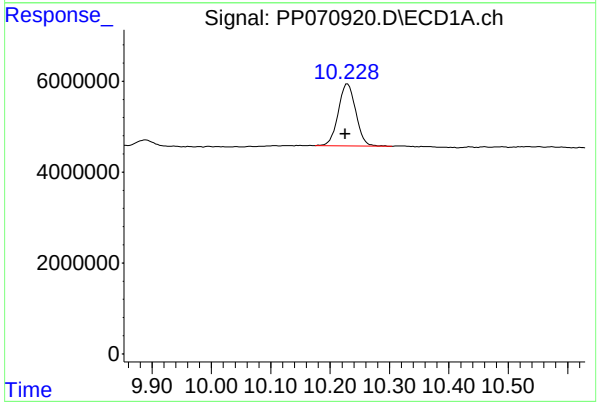
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



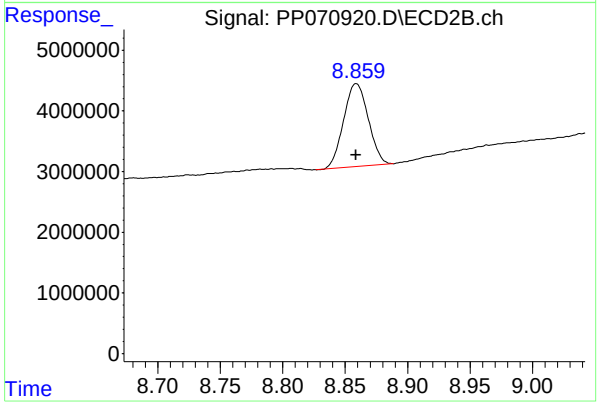

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 28120307
Conc: 27.12 ng/ml



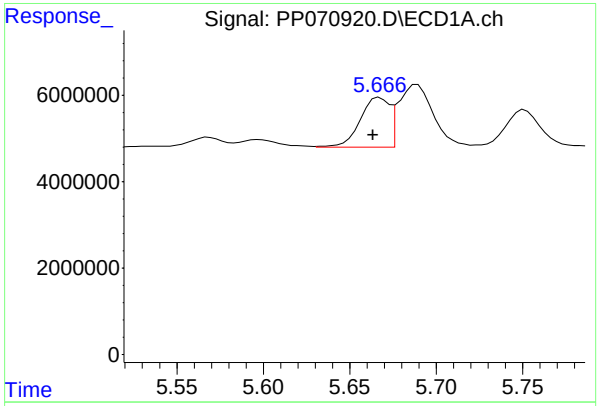

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.004 min
Response: 27877719
Conc: 24.97 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 18839232
Conc: 21.78 ng/ml



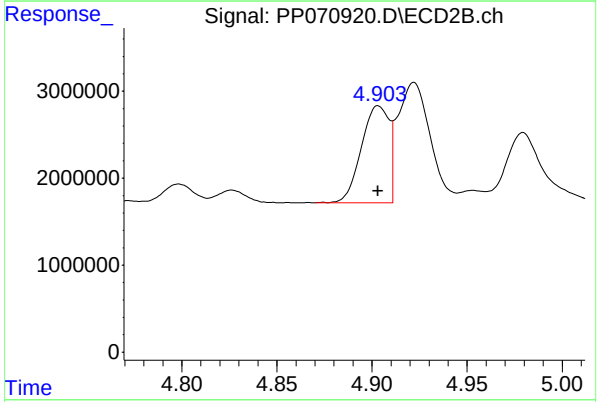

#3 AR-1016-1

R.T.: 5.667 min
Delta R.T.: 0.004 min
Response: 13581167
Conc: 266.64 ng/ml

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

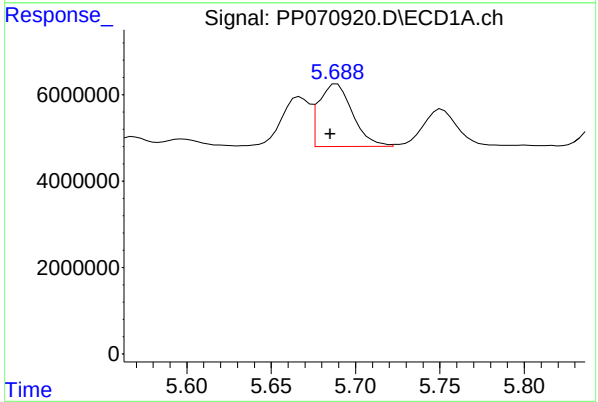
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



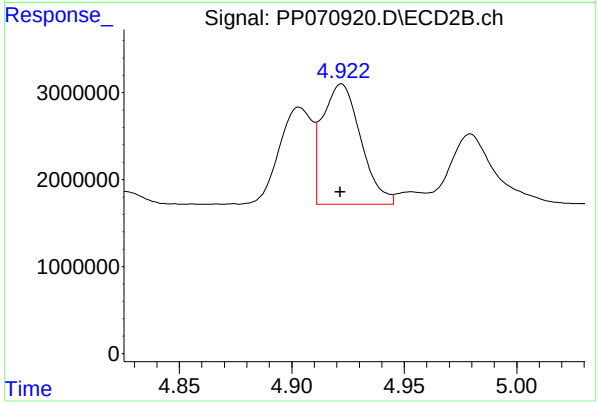

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 11323714
Conc: 298.34 ng/ml



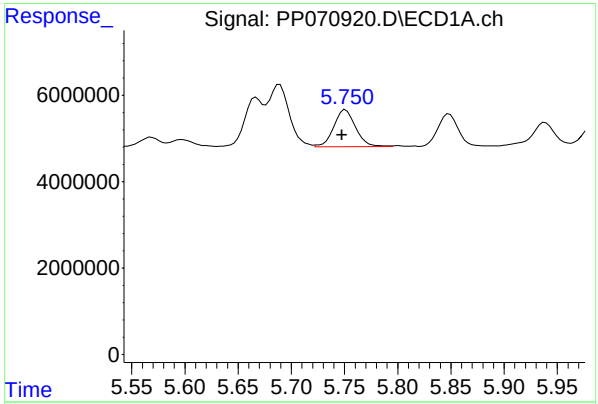

#4 AR-1016-2

R.T.: 5.689 min
Delta R.T.: 0.004 min
Response: 20108471
Conc: 255.15 ng/ml




#4 AR-1016-2

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16375760
Conc: 301.13 ng/ml



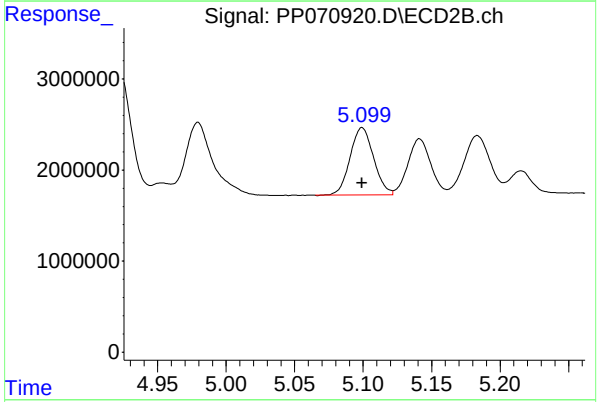

#5 AR-1016-3

R.T.: 5.751 min
Delta R.T.: 0.004 min
Response: 12212490
Conc: 260.86 ng/ml

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

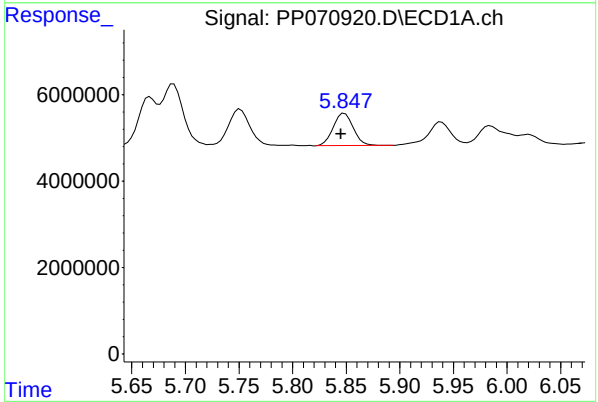
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



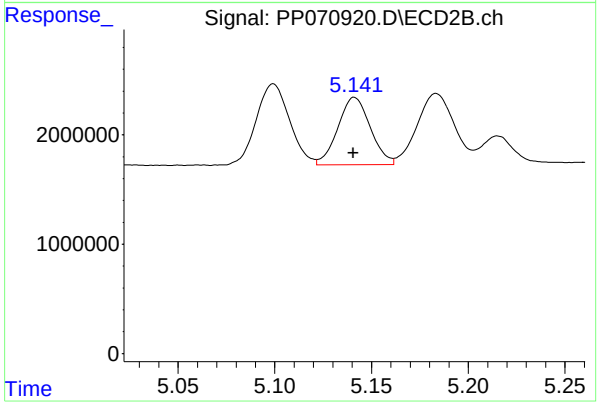

#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 8877034
Conc: 297.40 ng/ml



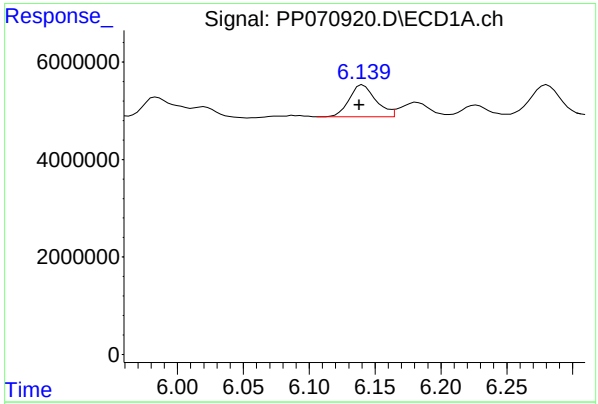

#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 9803037
Conc: 251.26 ng/ml




#6 AR-1016-4

R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 7158830
Conc: 300.87 ng/ml



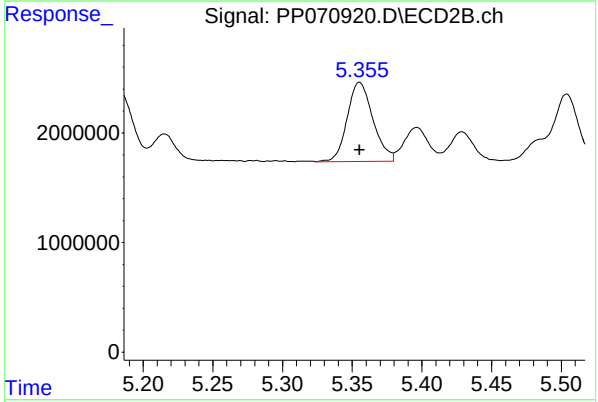

#7 AR-1016-5

R.T.: 6.141 min
Delta R.T.: 0.003 min
Response: 9152735
Conc: 261.20 ng/ml

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

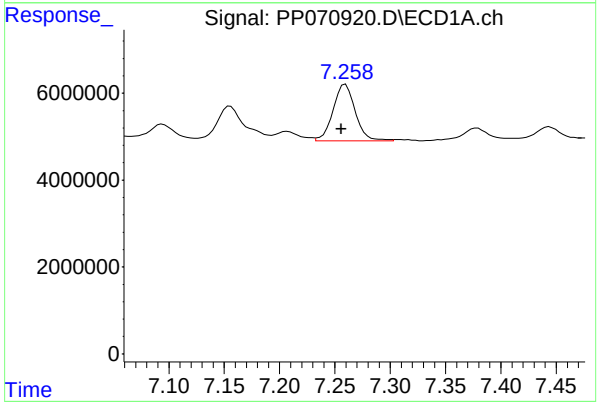
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



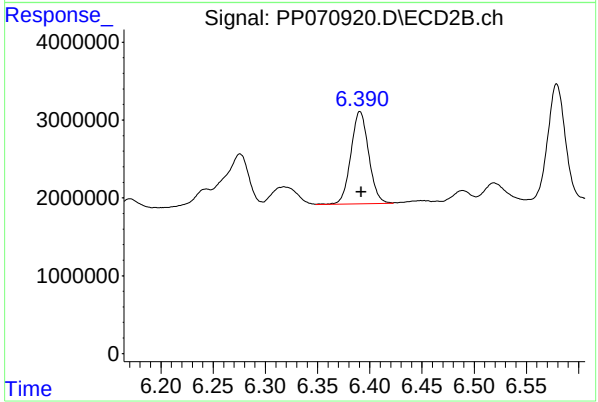

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 9323046
Conc: 309.18 ng/ml



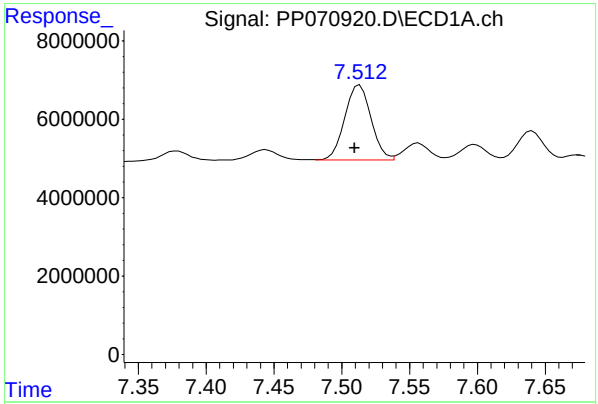

#31 AR-1260-1

R.T.: 7.260 min
Delta R.T.: 0.004 min
Response: 18182257
Conc: 272.09 ng/ml




#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: -0.001 min
Response: 14056672
Conc: 291.39 ng/ml



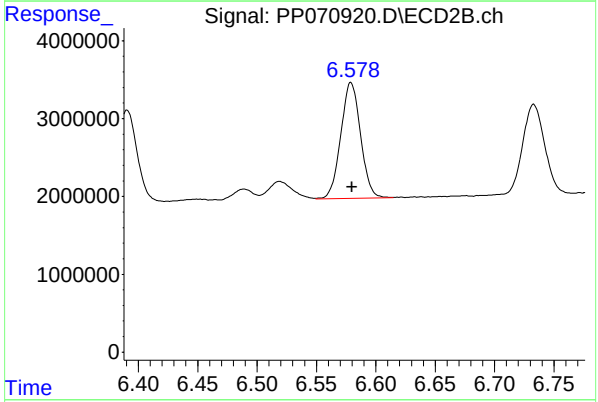

#32 AR-1260-2

R.T.: 7.513 min
Delta R.T.: 0.004 mi
Response: 25714746
Conc: 262.91 ng/m

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

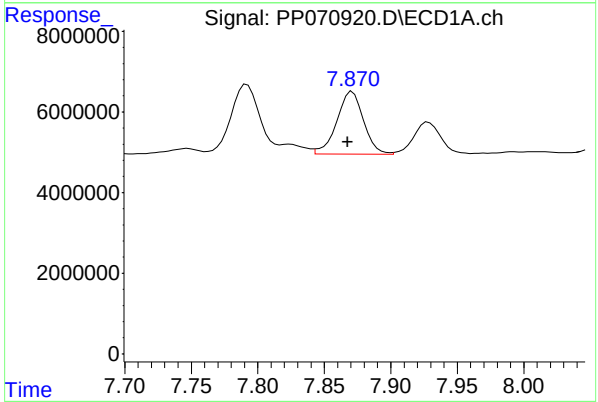
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



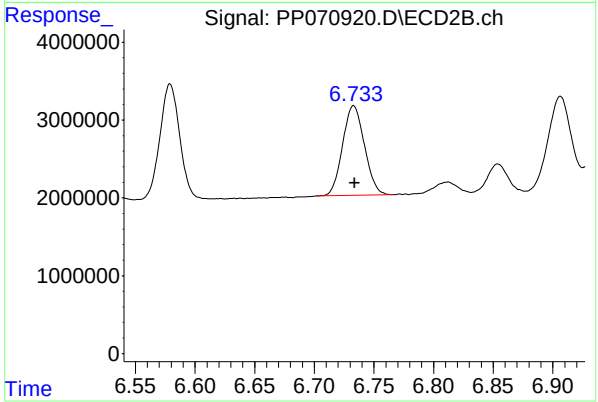

#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 17295947
Conc: 274.96 ng/ml



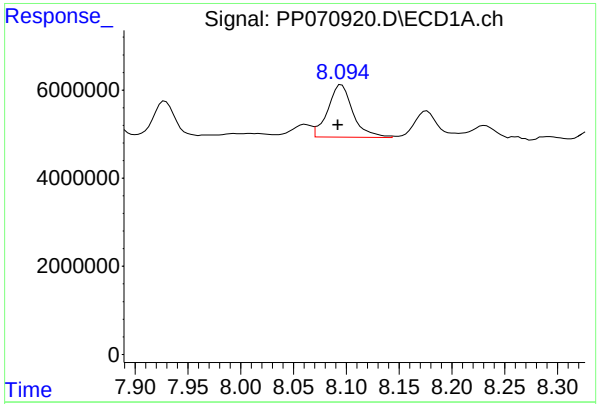

#33 AR-1260-3

R.T.: 7.870 min
Delta R.T.: 0.002 min
Response: 21528554
Conc: 259.47 ng/ml m




#33 AR-1260-3

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 14684885
Conc: 272.34 ng/ml



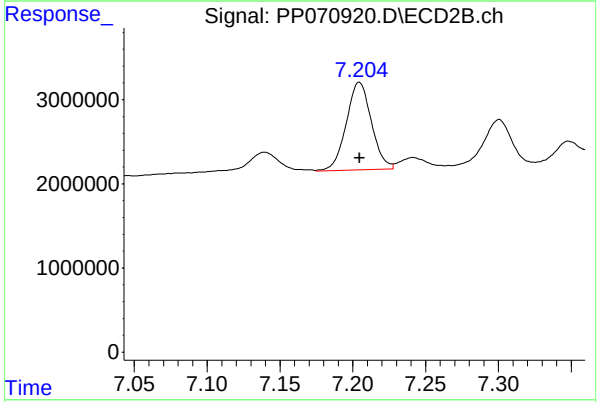

#34 AR-1260-4

R.T.: 8.094 min
Delta R.T.: 0.002 mi
Response: 19536409
Conc: 239.85 ng/m

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

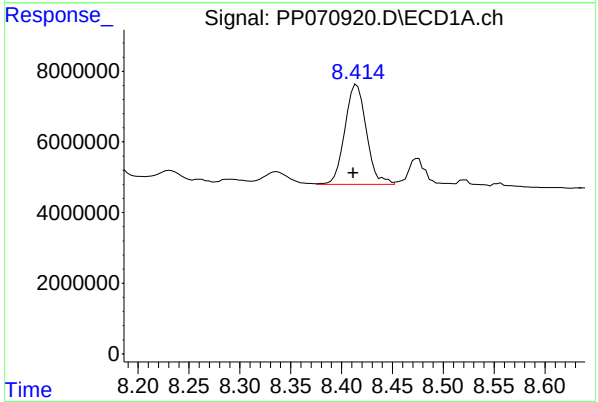
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



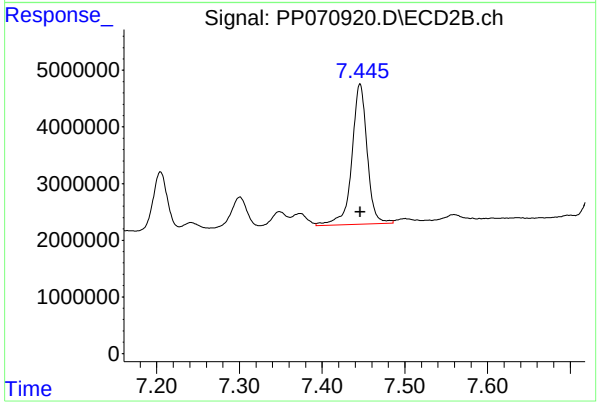

#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 12488782
Conc: 262.98 ng/ml




#35 AR-1260-5

R.T.: 8.414 min
Delta R.T.: 0.002 min
Response: 41714322
Conc: 260.78 ng/ml m




#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 31815782
Conc: 253.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:09:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.513 | 3.816 | 6533335 | 5359624 | 4.300 | 5.170 |
| 2) | SA Decachlor... | 10.230 | 8.858 | 4733739 | 3413055 | 4.240 | 3.946 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.666 | 4.903 | 2617394 | 2265971 | 51.388 | 59.700 |
| 4) | L1 AR-1016-2 | 5.688 | 4.922 | 4198554 | 3321854 | 53.274 | 61.085 |
| 5) | L1 AR-1016-3 | 5.751 | 5.099 | 2631097 | 1626306 | 56.201 | 54.484 |
| 6) | L1 AR-1016-4 | 5.848 | 5.140 | 1614372 | 1232754 | 41.378 | 51.810 # |
| 7) | L1 AR-1016-5 | 6.139 | 5.356 | 1610860 | 1866333 | 45.971m | 61.893 # |
| 31) | L7 AR-1260-1 | 7.257 | 6.391 | 3667364 | 2989801 | 54.881m | 61.977 |
| 32) | L7 AR-1260-2 | 7.512 | 6.579 | 4685539 | 3357287 | 47.905 | 53.372 |
| 33) | L7 AR-1260-3 | 7.869 | 6.732 | 3780088 | 2827385 | 45.559m | 52.436 |
| 34) | L7 AR-1260-4 | 8.094 | 7.205 | 4593822 | 2746307 | 56.400m | 57.831 |
| 35) | L7 AR-1260-5 | 8.412 | 7.445 | 7845589 | 7013440 | 49.047m | 55.967 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

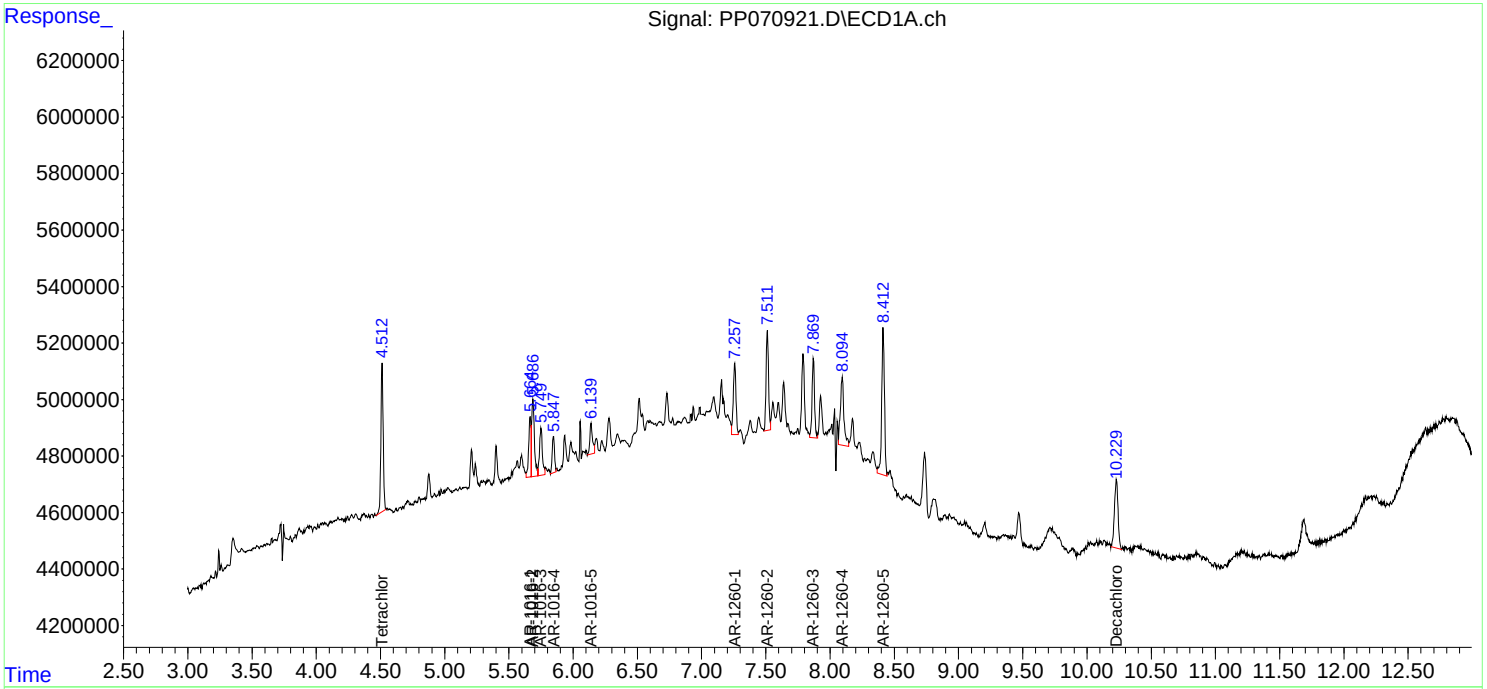
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

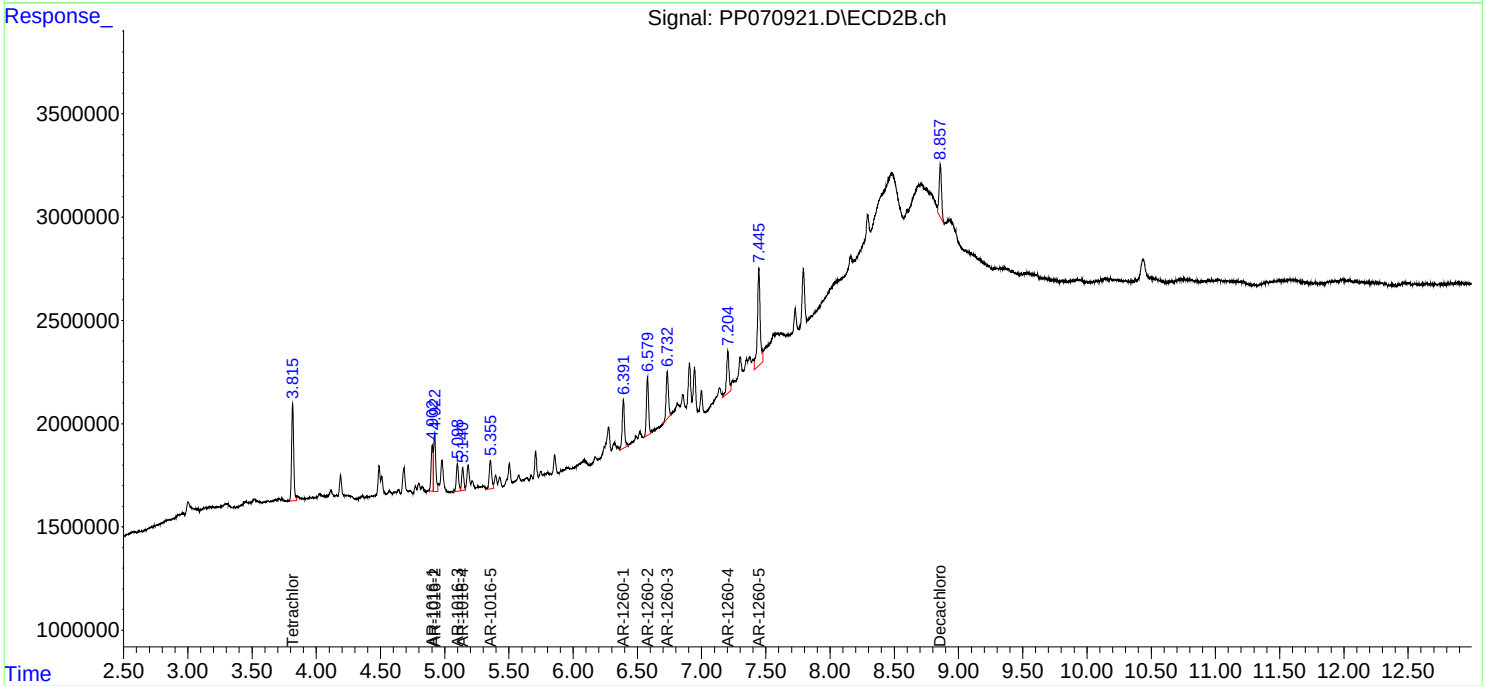
**Manual Integrations APPROVED**

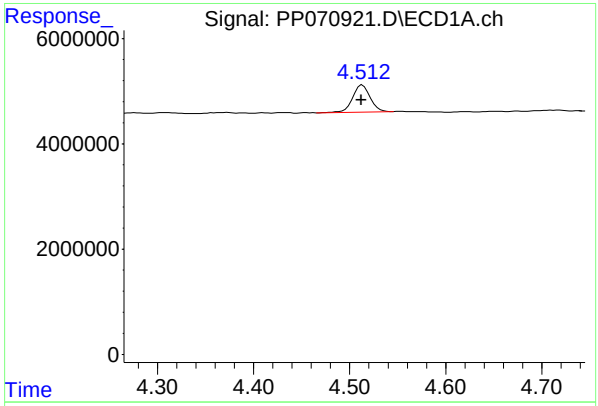
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:09:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 11:40:16 2025
Response via : Initial Calibration
Integrator: ChemStation

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





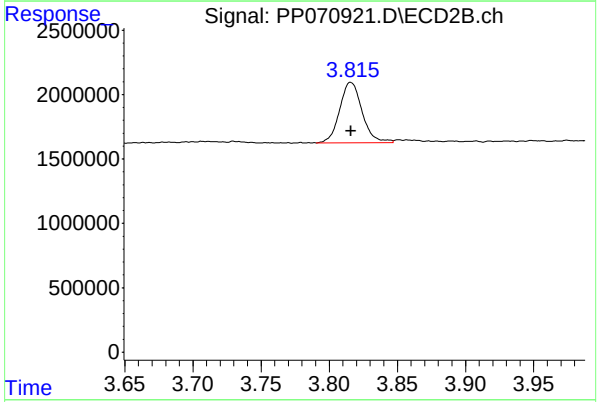

#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 6533335
Conc: 4.30 ng/ml

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

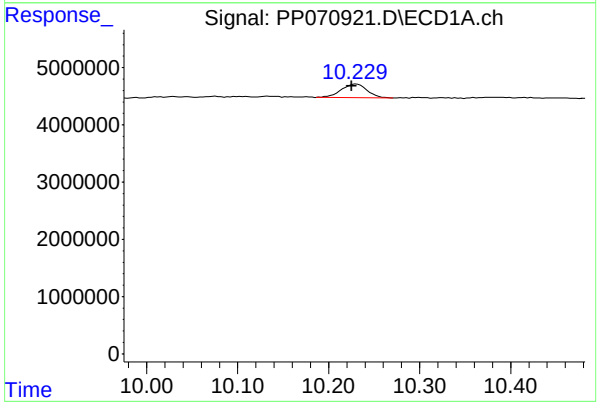
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



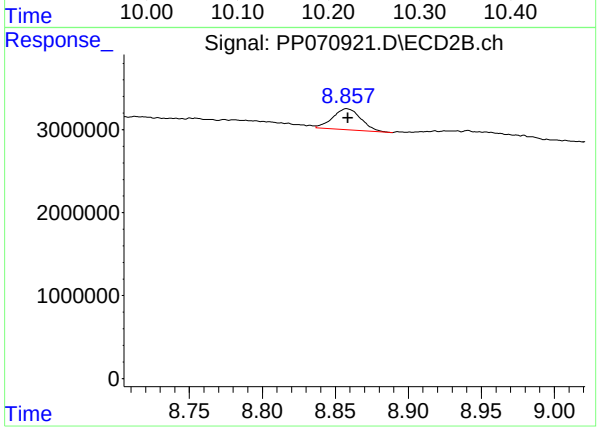

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 5359624
Conc: 5.17 ng/ml



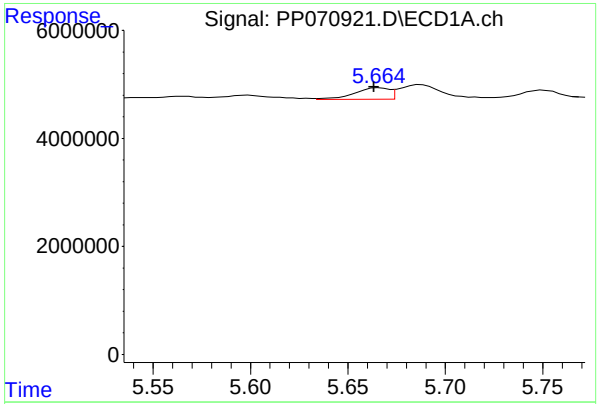

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.005 min
Response: 4733739
Conc: 4.24 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 3413055
Conc: 3.95 ng/ml



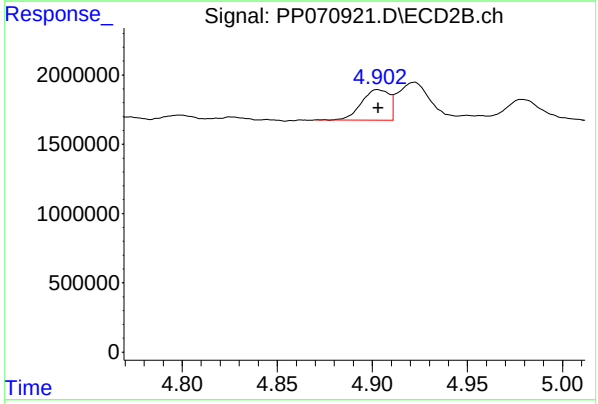

#3 AR-1016-1

R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 2617394
Conc: 51.39 ng/ml

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

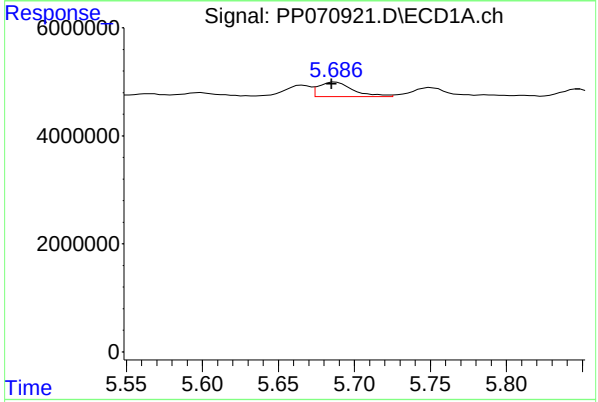
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



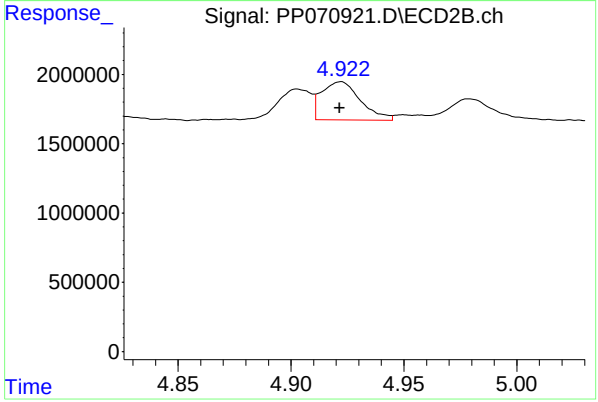

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 2265971
Conc: 59.70 ng/ml



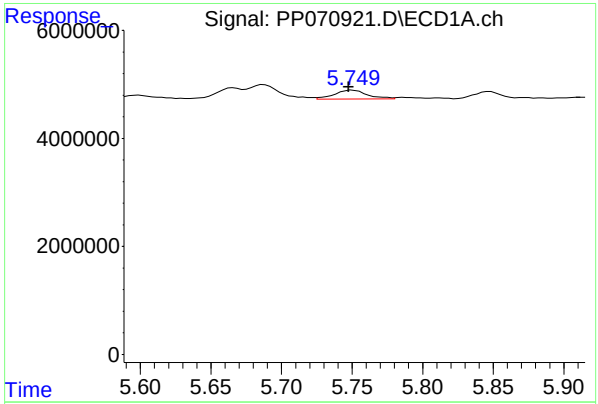

#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 4198554
Conc: 53.27 ng/ml




#4 AR-1016-2

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 3321854
Conc: 61.09 ng/ml



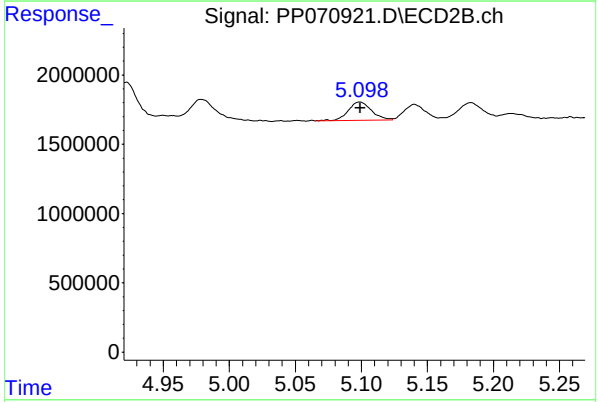

#5 AR-1016-3

R.T.: 5.751 min
Delta R.T.: 0.003 min
Response: 2631097
Conc: 56.20 ng/ml

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

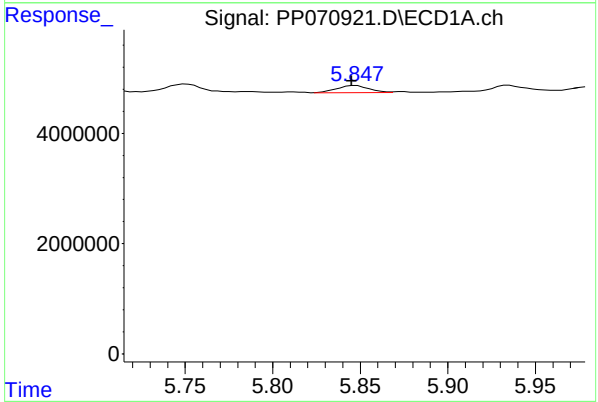
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



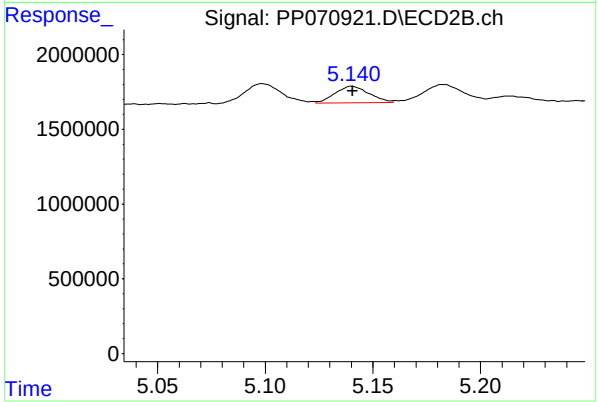

#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 1626306
Conc: 54.48 ng/ml



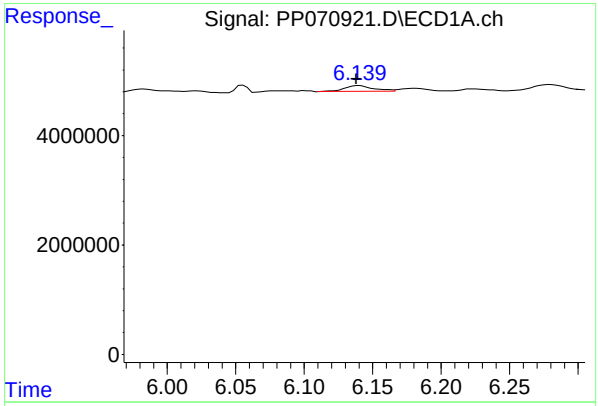

#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 1614372
Conc: 41.38 ng/ml




#6 AR-1016-4

R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1232754
Conc: 51.81 ng/ml



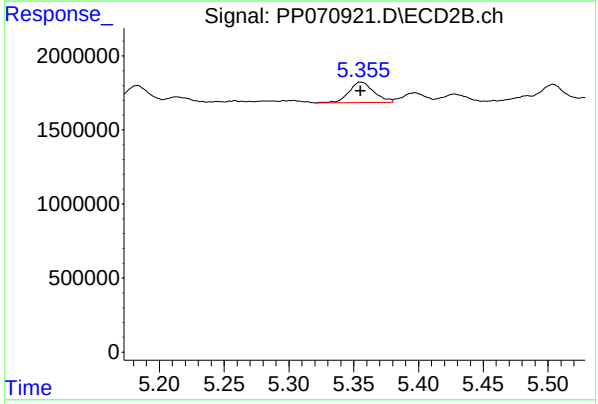

#7 AR-1016-5

R.T.: 6.139 min
Delta R.T.: 0.000 mi
Response: 1610860
Conc: 45.97 ng/m

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

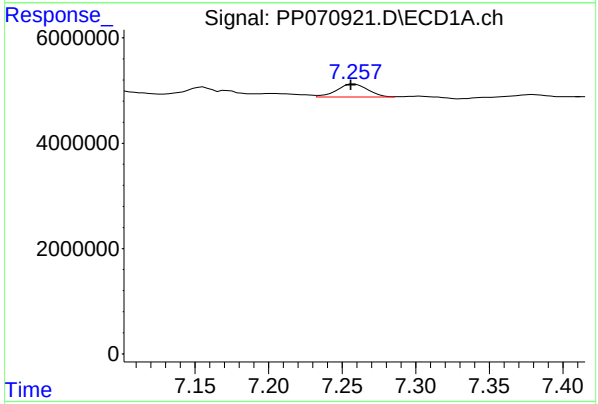
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



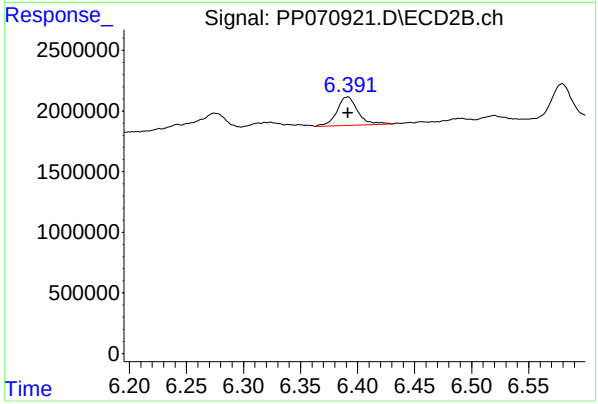

#7 AR-1016-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 1866333
Conc: 61.89 ng/ml



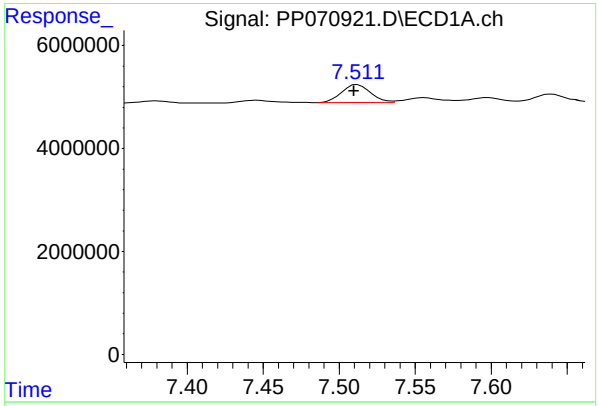

#31 AR-1260-1

R.T.: 7.257 min
Delta R.T.: 0.001 min
Response: 3667364
Conc: 54.88 ng/ml m




#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 2989801
Conc: 61.98 ng/ml



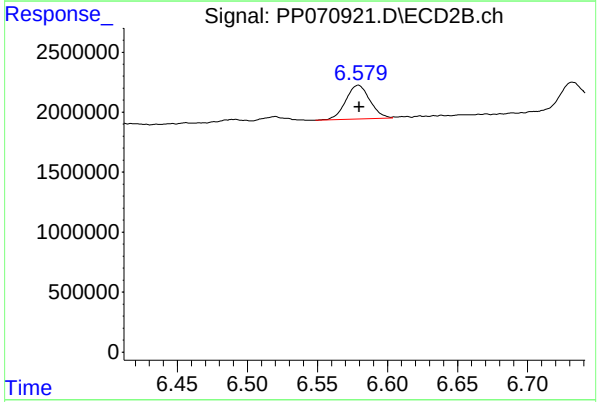

#32 AR-1260-2

R.T.: 7.512 min
Delta R.T.: 0.002 mi
Response: 4685539
Conc: 47.91 ng/m

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

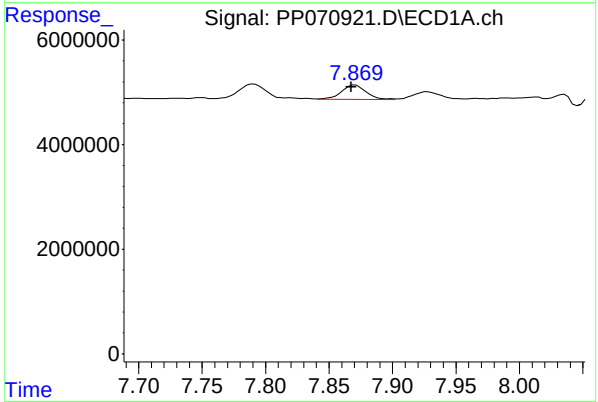
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



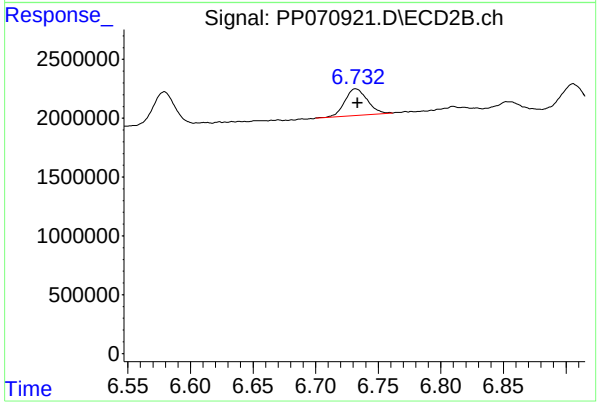

#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 3357287
Conc: 53.37 ng/ml



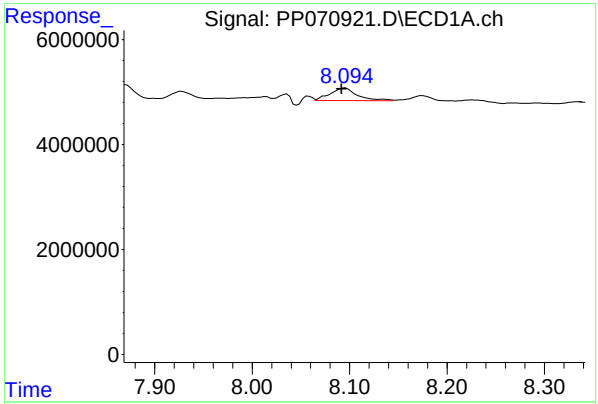

#33 AR-1260-3

R.T.: 7.869 min
Delta R.T.: 0.002 min
Response: 3780088
Conc: 45.56 ng/ml m




#33 AR-1260-3

R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 2827385
Conc: 52.44 ng/ml



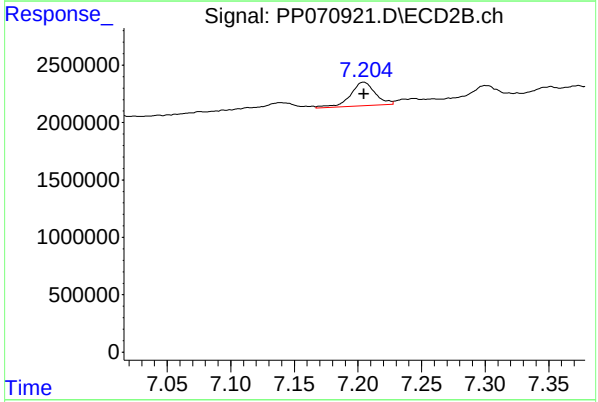

#34 AR-1260-4

R.T.: 8.094 min
Delta R.T.: 0.002 mi
Response: 4593822
Conc: 56.40 ng/m

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

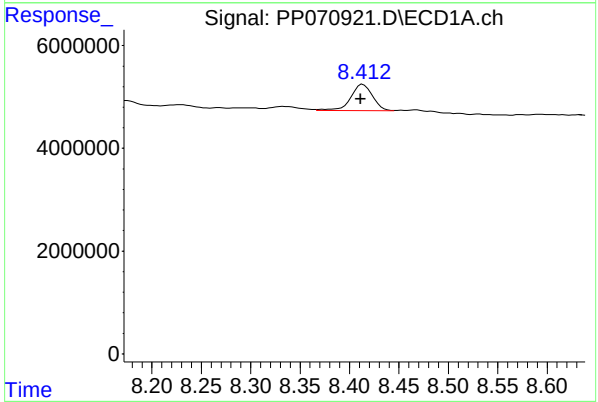
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



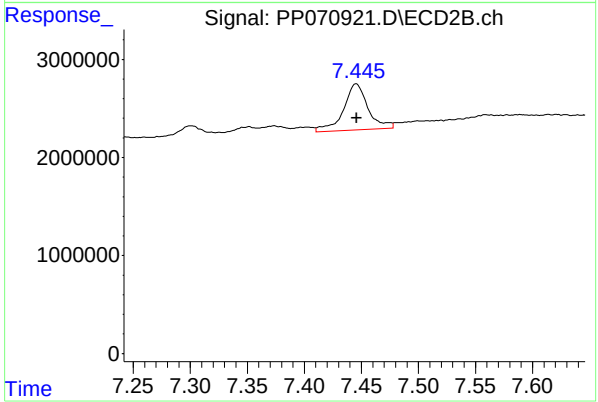

#34 AR-1260-4

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 2746307
Conc: 57.83 ng/ml




#35 AR-1260-5

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 7845589
Conc: 49.05 ng/ml m




#35 AR-1260-5

R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 7013440
Conc: 55.97 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:52
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 27 12:33:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:32:55 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.515 | 3.817 | 75324924 | 52315210 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.229 | 8.859 | 52098024 | 39006992 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.716 | 4.027 | 8676827 | 7621792 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.802 | 4.114 | 6476464 | 5718144 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.878 | 4.190 | 20858618 | 17044480 | 500.000 | 500.000 |

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

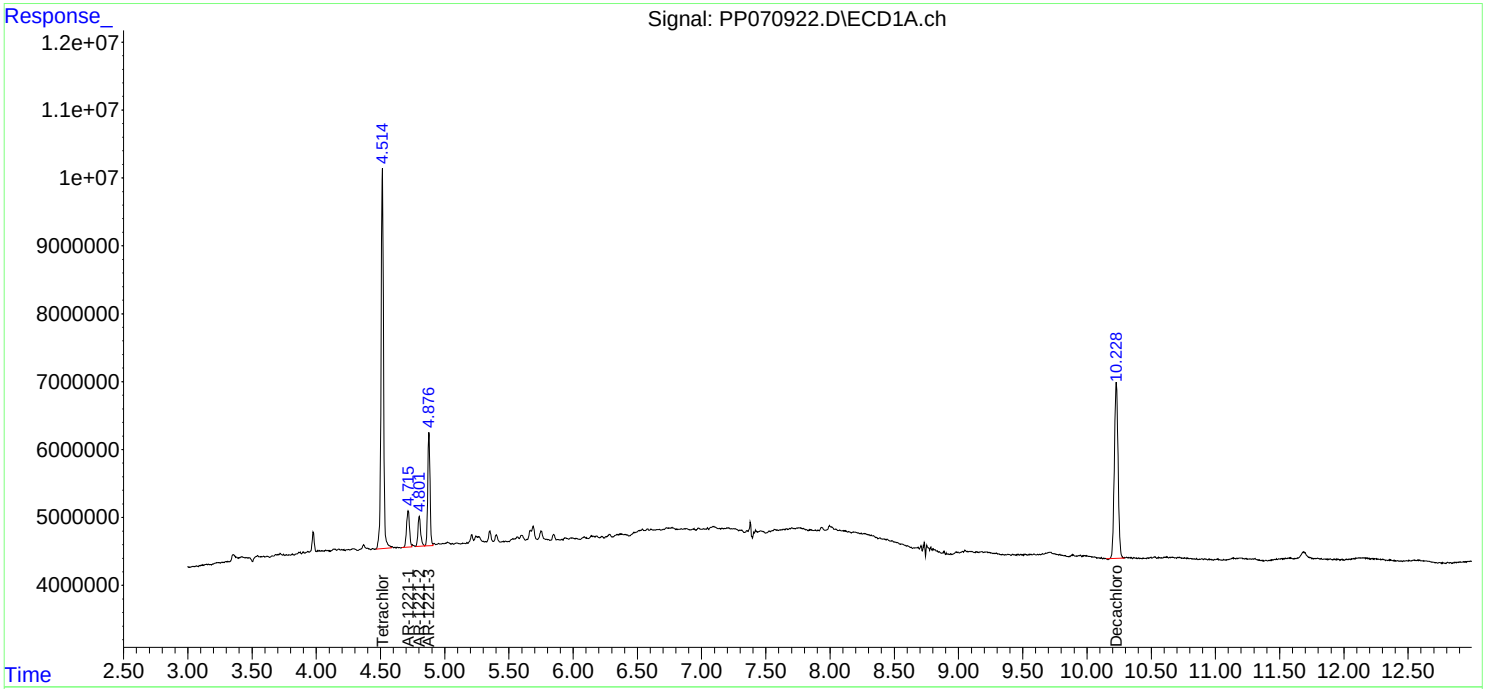
ICAL Form

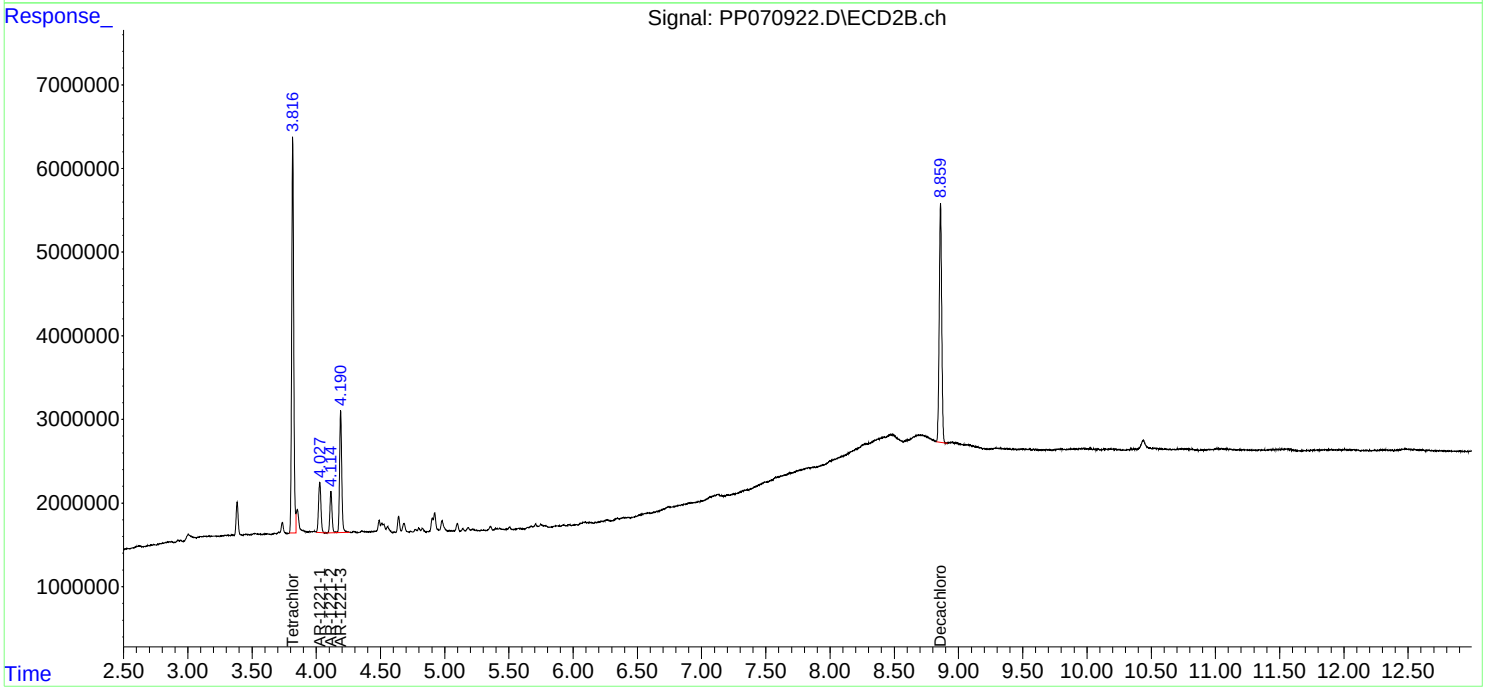
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:52
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

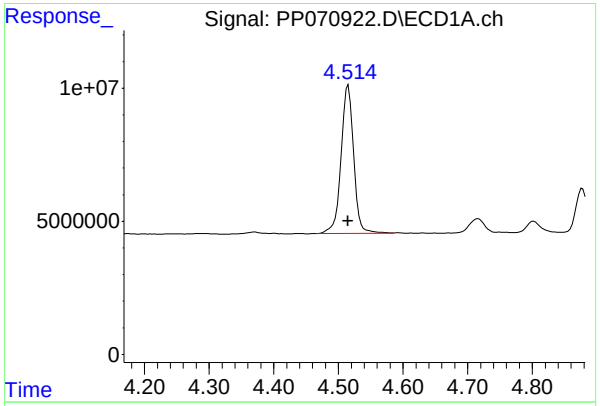
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:33:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:32:55 2025
Response via : Initial Calibration
Integrator: ChemStation

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



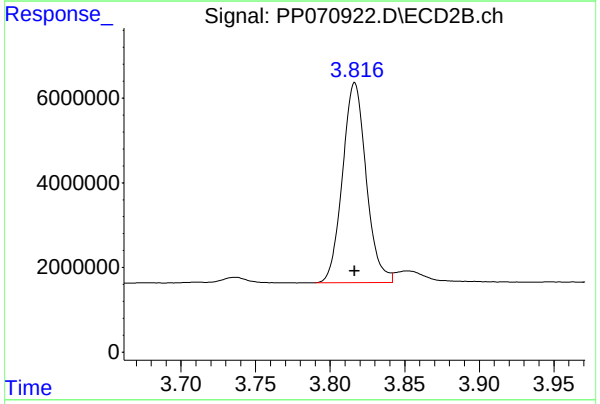






#1 Tetrachloro-m-xylene

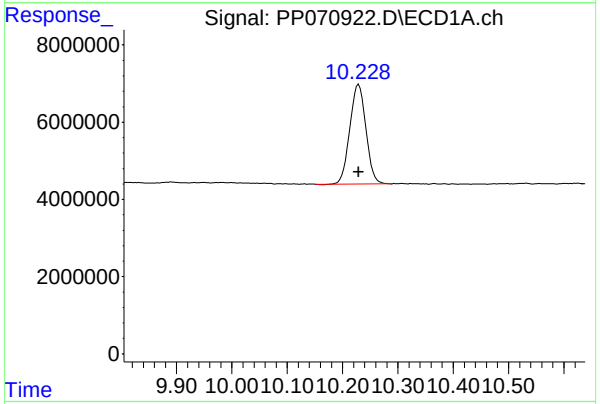
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 75324924
Conc: 50.00 ng/ml

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



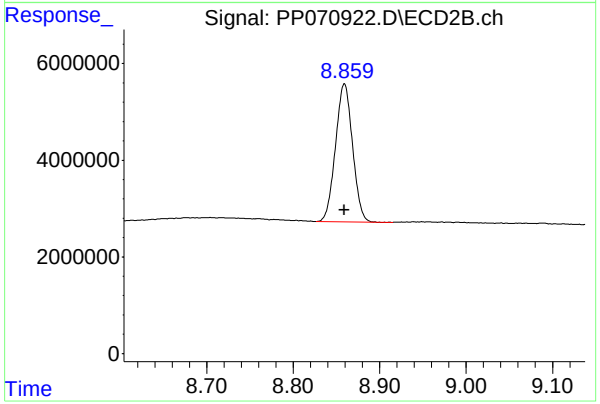

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 52315210
Conc: 50.00 ng/ml



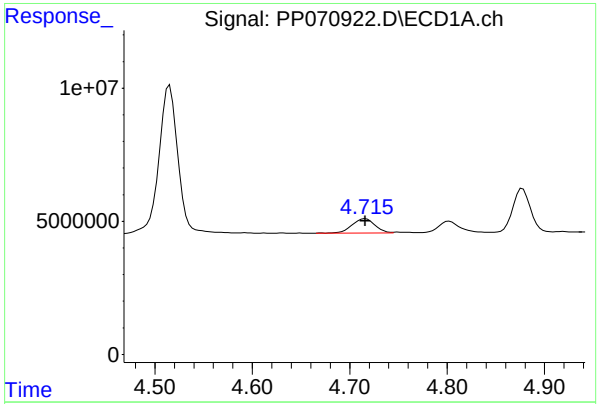

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.000 min
Response: 52098024
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

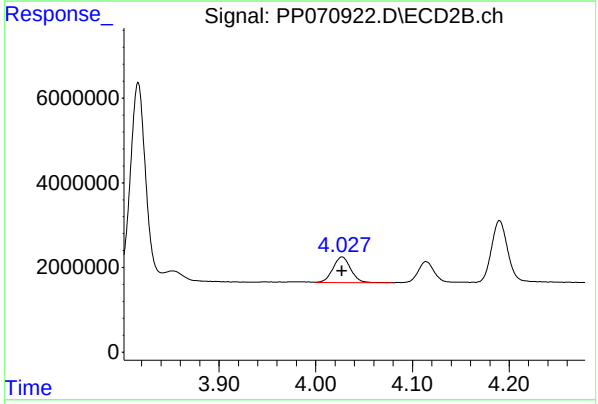
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 39006992
Conc: 50.00 ng/ml




#8 AR-1221-1

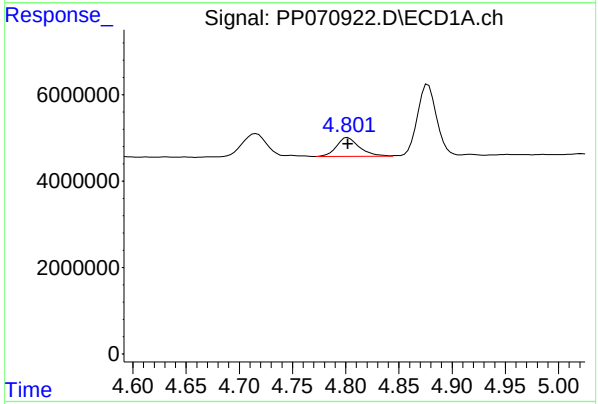
R.T.: 4.716 min
Delta R.T.: 0.000 min
Response: 8676827
Conc: 500.00 ng/ml

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



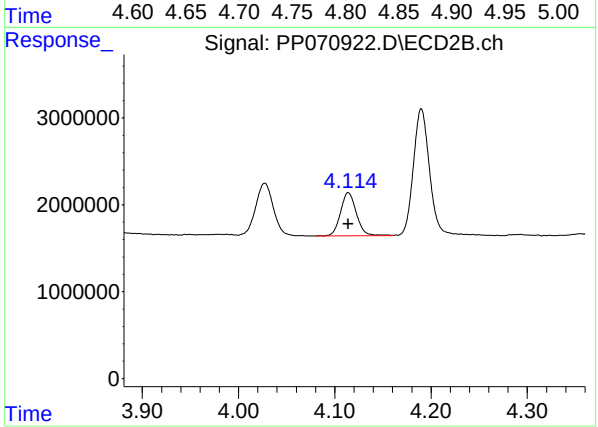

#8 AR-1221-1

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 7621792
Conc: 500.00 ng/ml



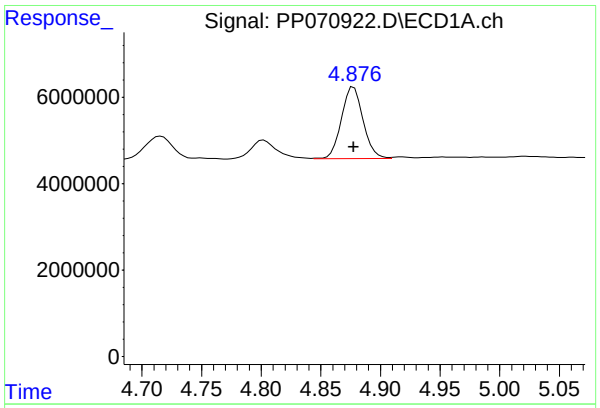

#9 AR-1221-2

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 6476464
Conc: 500.00 ng/ml




#9 AR-1221-2

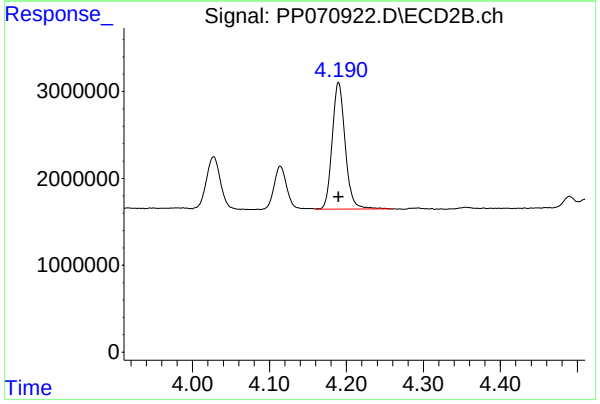
R.T.: 4.114 min
Delta R.T.: 0.000 min
Response: 5718144
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.878 min
Delta R.T.: 0.000 min
Response: 20858618
Conc: 500.00 ng/ml

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




#10 AR-1221-3

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 17044480
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.520 | 3.817 | 74435949 | 51438566 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.234 | 8.860 | 46115316 | 40517792 | 51.013m | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.883 | 4.191 | 16644355 | 13993352 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.408 | 4.923 | 7955169 | 14030567 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.694 | 5.100 | 17135200 | 7444793 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 5.854 | 5.185 | 7853790 | 6402183 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 5.943 | 5.357 | 5320177 | 7087391 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

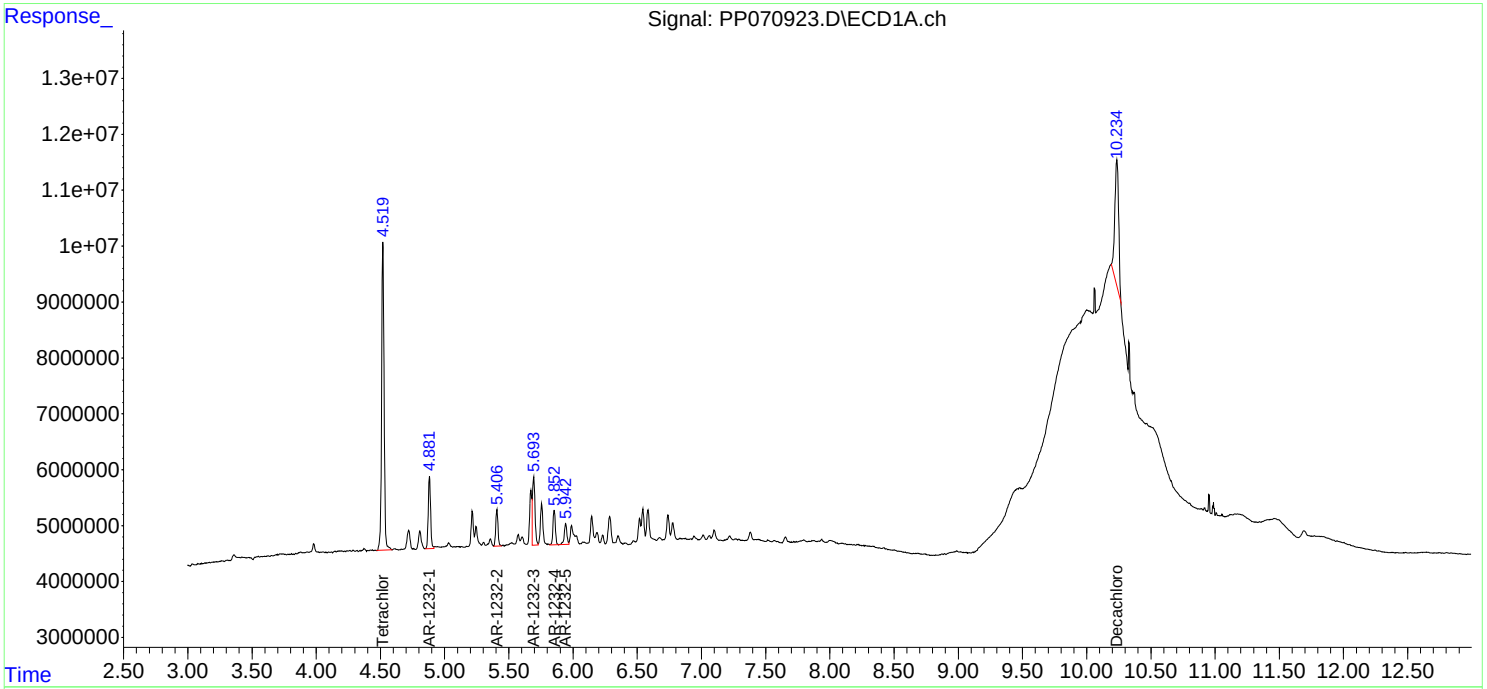
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

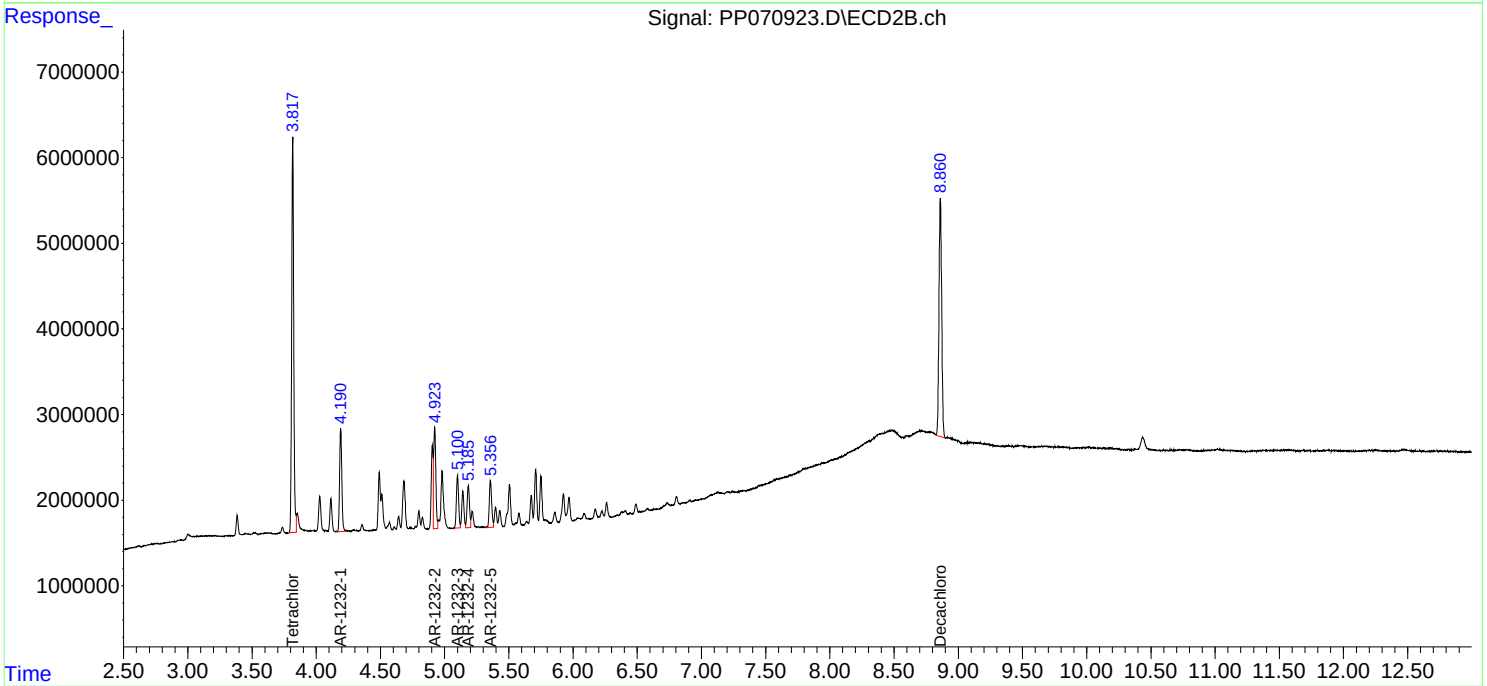
**Manual Integrations APPROVED**

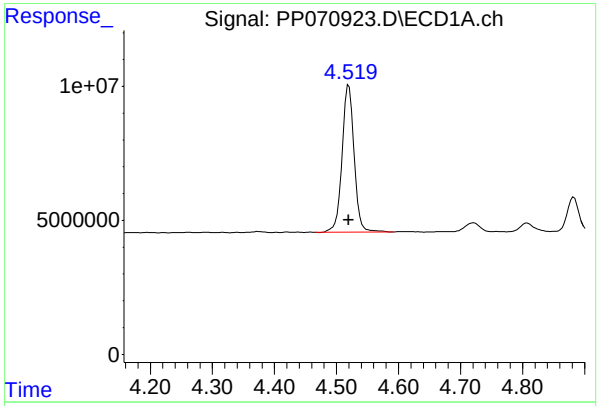
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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





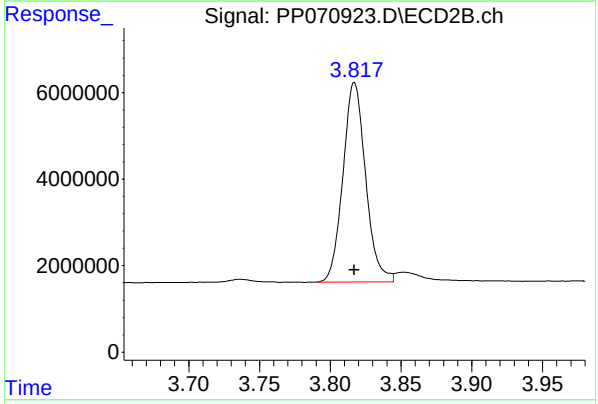

#1 Tetrachloro-m-xylene

R.T.: 4.520 min
Delta R.T.: 0.000 mi
Response: 74435949
Conc: 50.00 ng/m

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

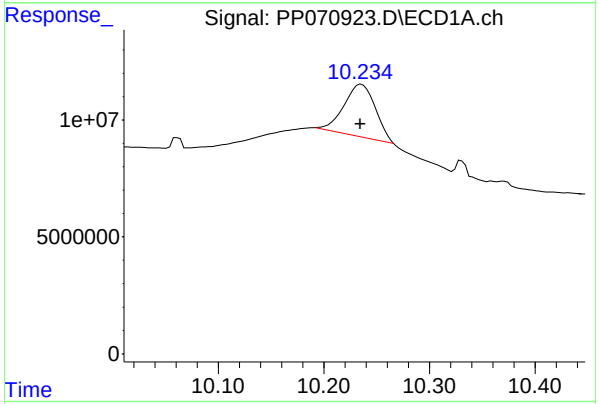
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



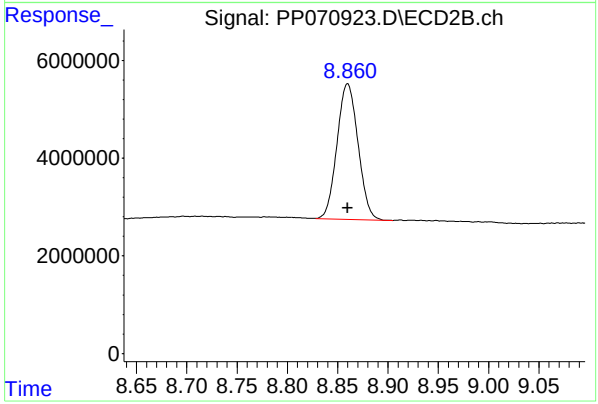

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 51438566
Conc: 50.00 ng/ml



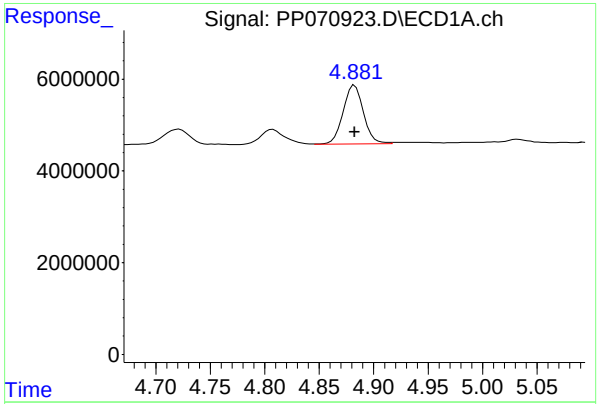

#2 Decachlorobiphenyl

R.T.: 10.234 min
Delta R.T.: 0.000 min
Response: 46115316
Conc: 51.01 ng/ml m




#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 40517792
Conc: 50.00 ng/ml



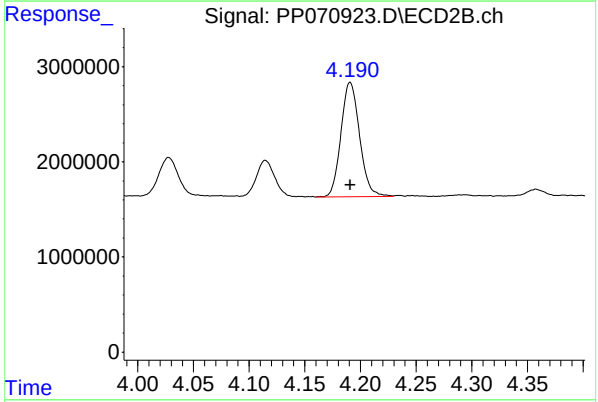

#11 AR-1232-1

R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 16644355
Conc: 500.00 ng/ml

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

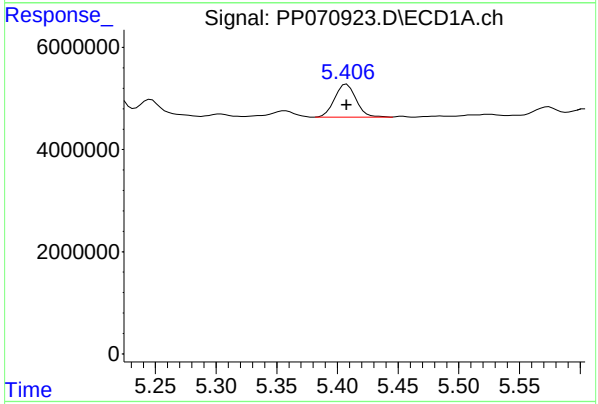
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



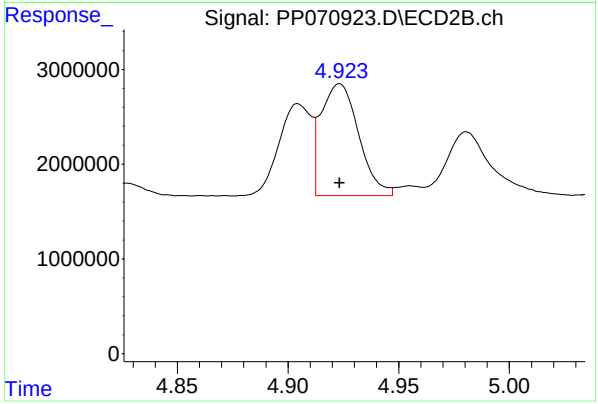

#11 AR-1232-1

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 13993352
Conc: 500.00 ng/ml



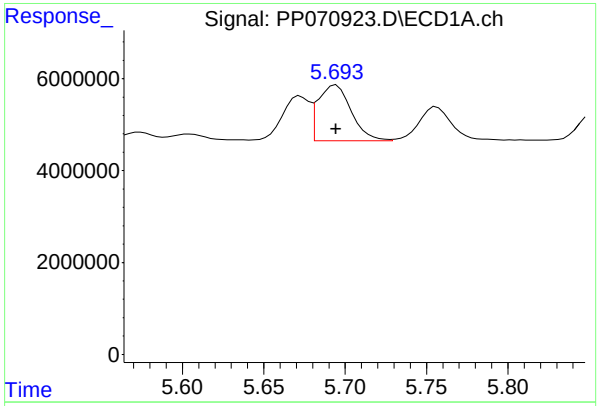

#12 AR-1232-2

R.T.: 5.408 min
Delta R.T.: 0.000 min
Response: 7955169
Conc: 500.00 ng/ml




#12 AR-1232-2

R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 14030567
Conc: 500.00 ng/ml



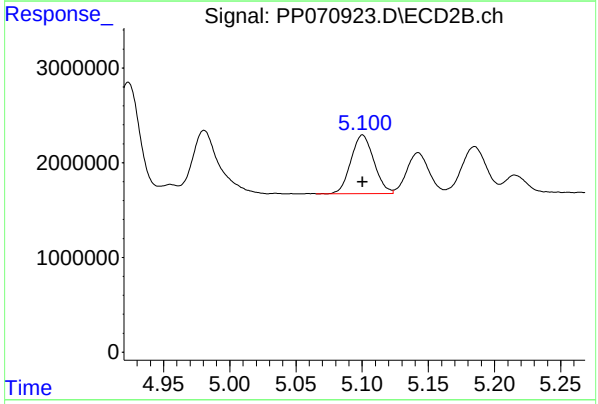

#13 AR-1232-3

R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 17135200
Conc: 500.00 ng/ml

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

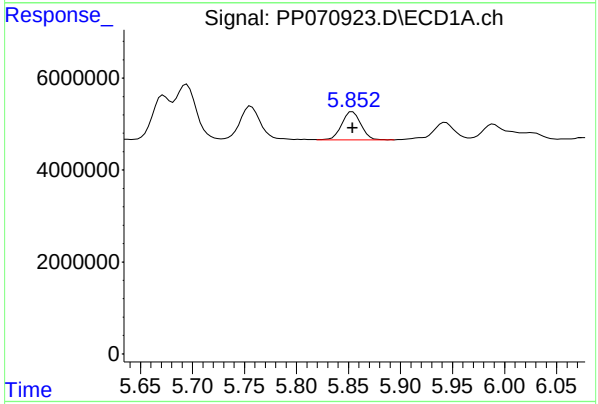
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



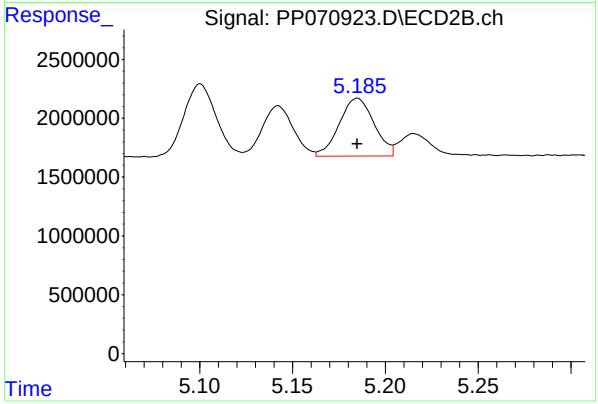

#13 AR-1232-3

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 7444793
Conc: 500.00 ng/ml



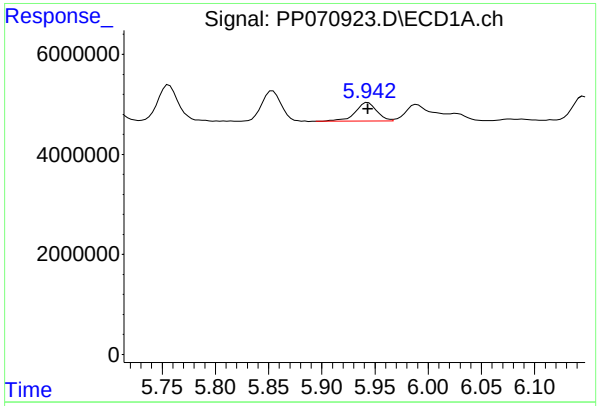

#14 AR-1232-4

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 7853790
Conc: 500.00 ng/ml




#14 AR-1232-4

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 6402183
Conc: 500.00 ng/ml



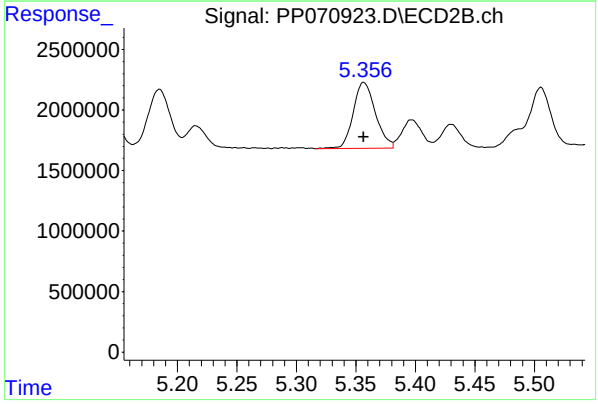

#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 5320177
Conc: 500.00 ng/ml

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#15 AR-1232-5

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 7087391
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:28
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.513 | 3.816 | 144.4E6 | 99447440 | 93.922 | 88.806 |
| 2) | SA Decachlor... | 10.227 | 8.858 | 103.6E6 | 79468601 | 93.673 | 102.468 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.666 | 4.903 | 40990074 | 30391529 | 943.761 | 877.115 |
| 17) | L4 AR-1242-2 | 5.687 | 4.922 | 64704598 | 43879042 | 965.382 | 887.614 |
| 18) | L4 AR-1242-3 | 5.749 | 5.099 | 39349869 | 24103124 | 991.106 | 905.487 |
| 19) | L4 AR-1242-4 | 5.846 | 5.183 | 30814559 | 23086538 | 954.688 | 902.469 |
| 20) | L4 AR-1242-5 | 6.577 | 5.707 | 36006298 | 28647762 | 964.427 | 907.760 |

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

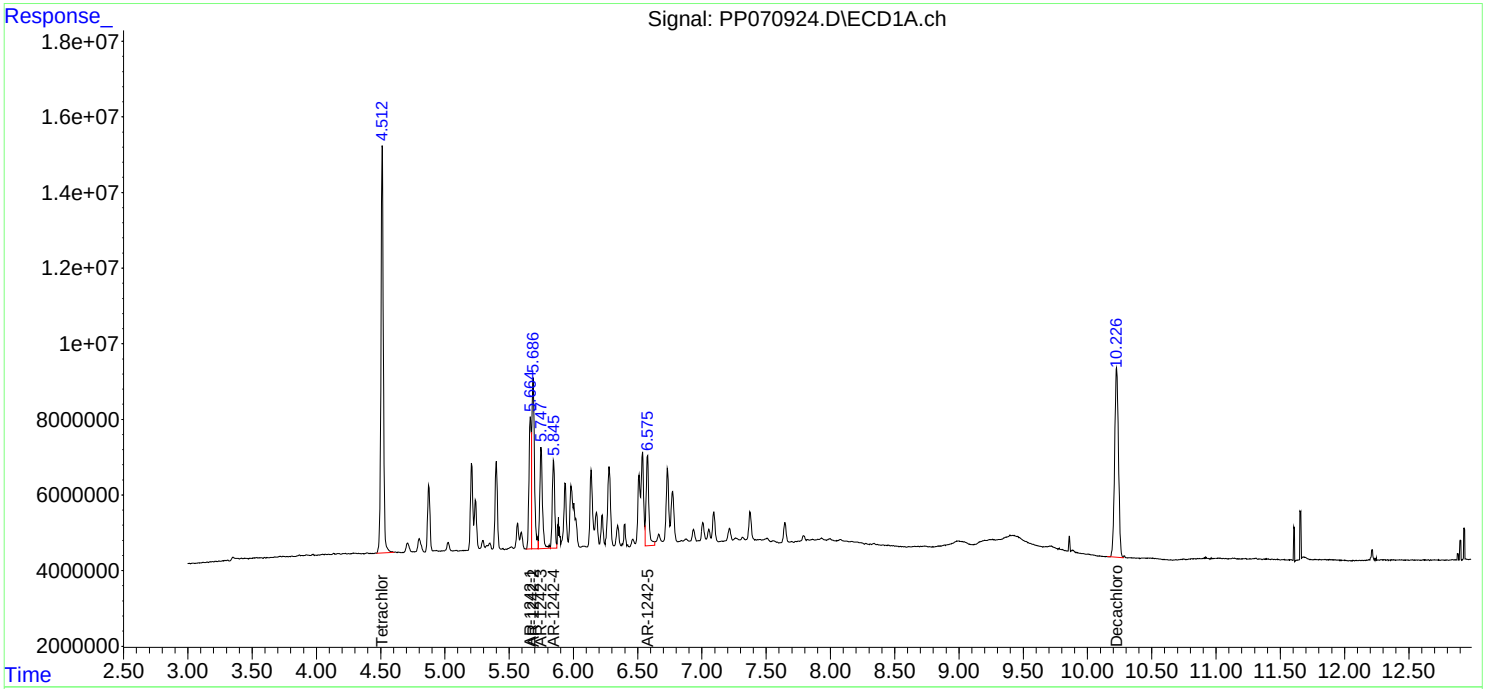
ICAL Form

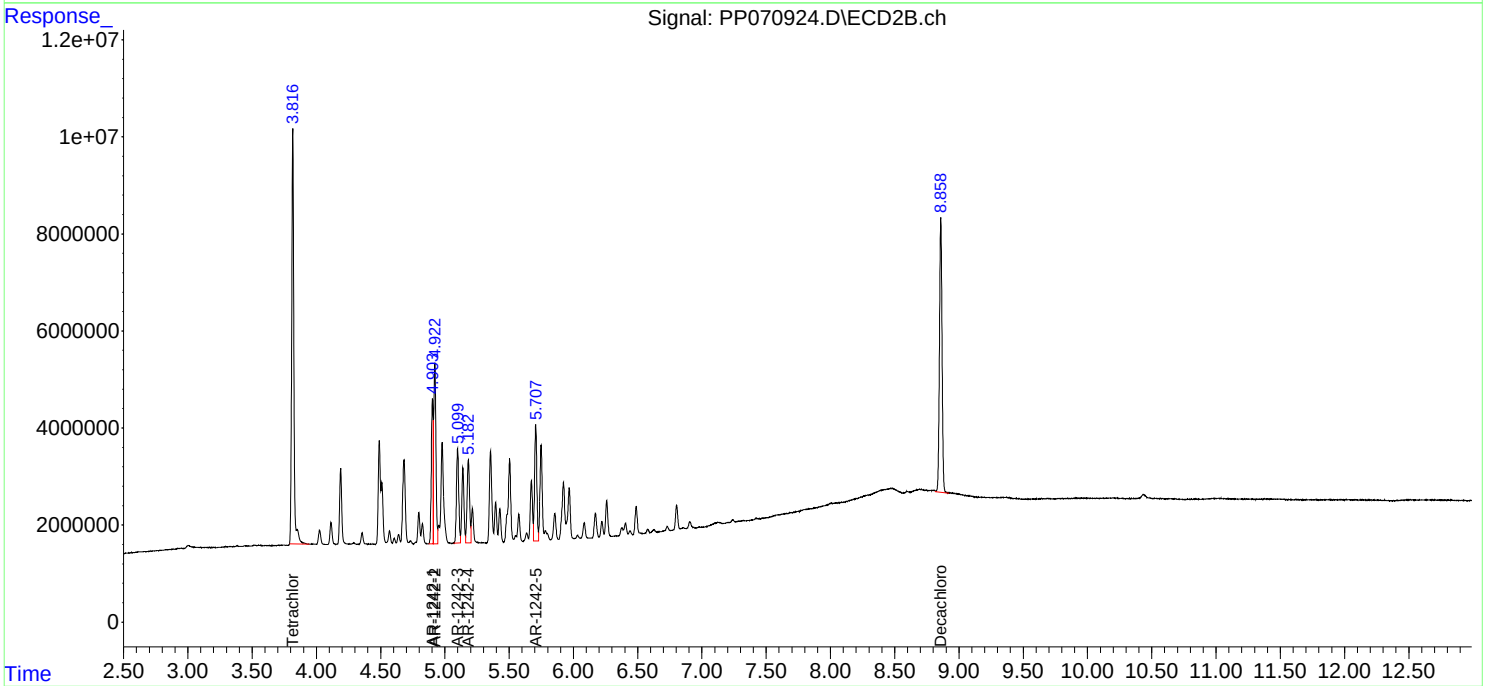
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:28
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

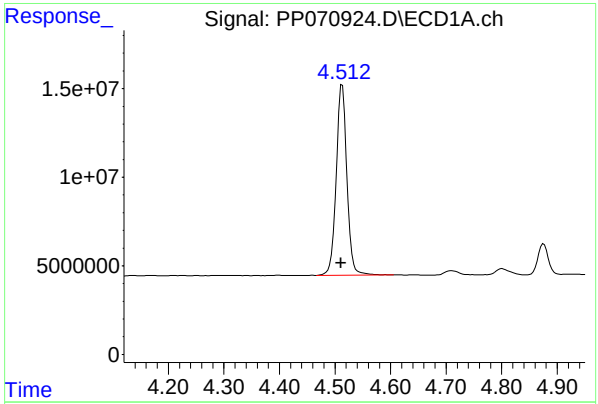
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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



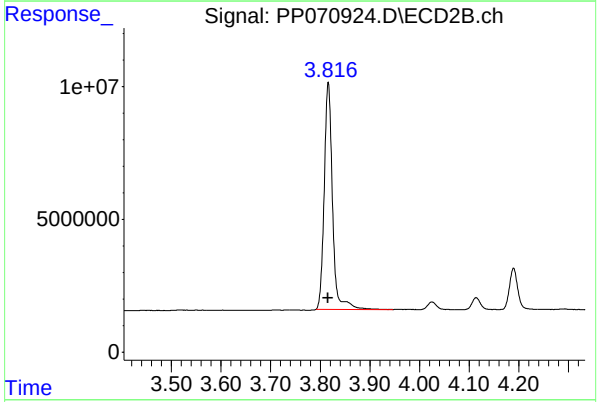






#1 Tetrachloro-m-xylene

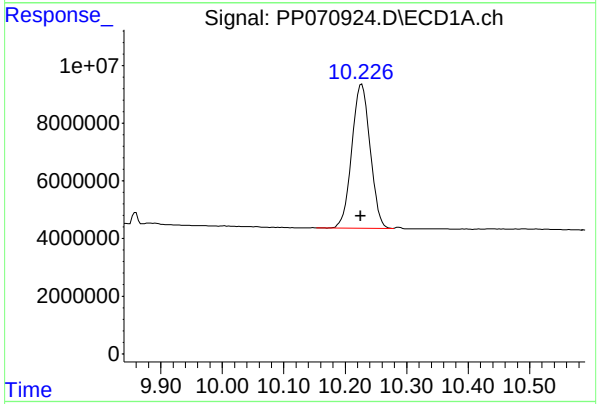
R.T.: 4.513 min
Delta R.T.: 0.002 min
Response: 144394733
Conc: 93.92 ng/ml

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



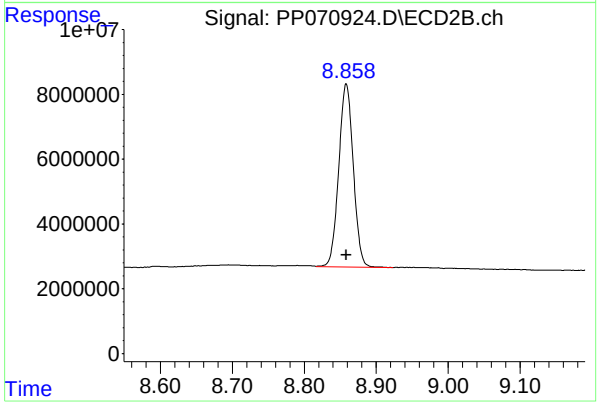

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 99447440
Conc: 88.81 ng/ml



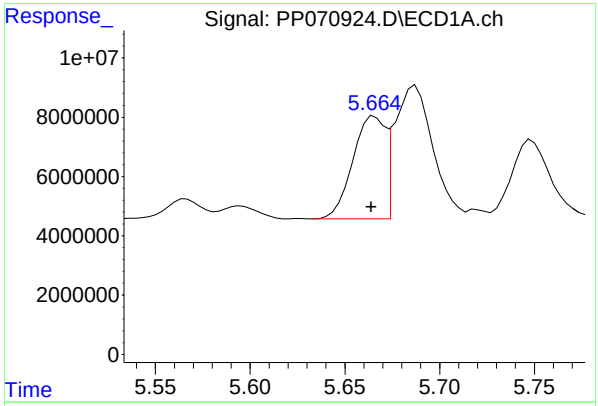

#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.002 min
Response: 103629813
Conc: 93.67 ng/ml




#2 Decachlorobiphenyl

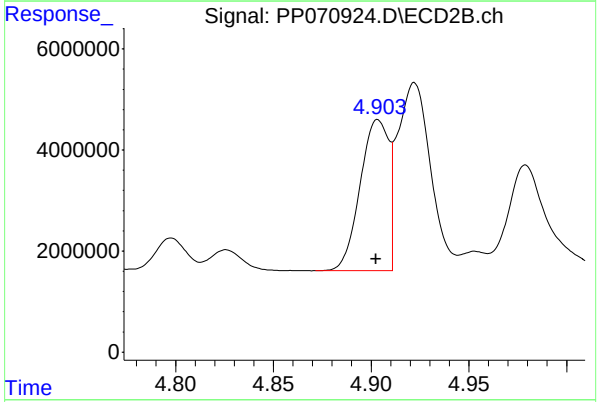
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 79468601
Conc: 102.47 ng/ml




#16 AR-1242-1

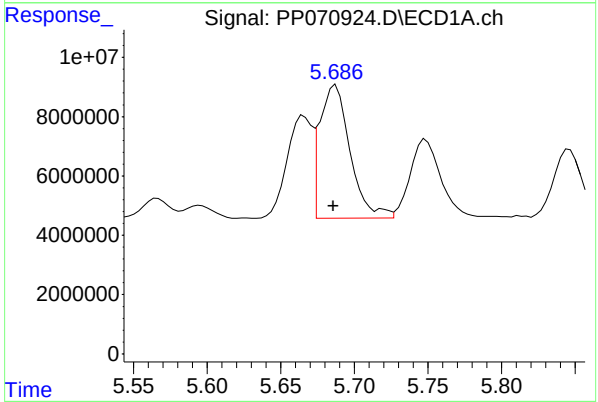
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 40990074
Conc: 943.76 ng/ml

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



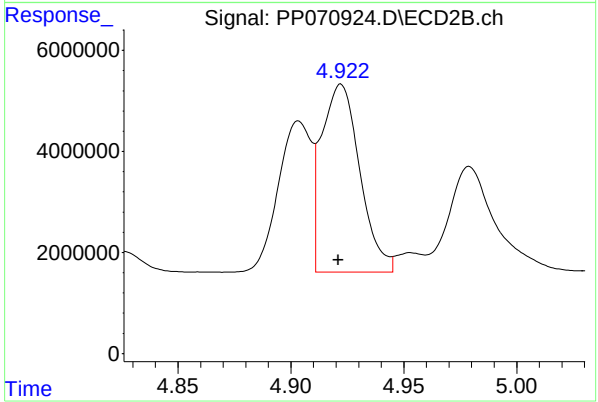

#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.001 min
Response: 30391529
Conc: 877.12 ng/ml



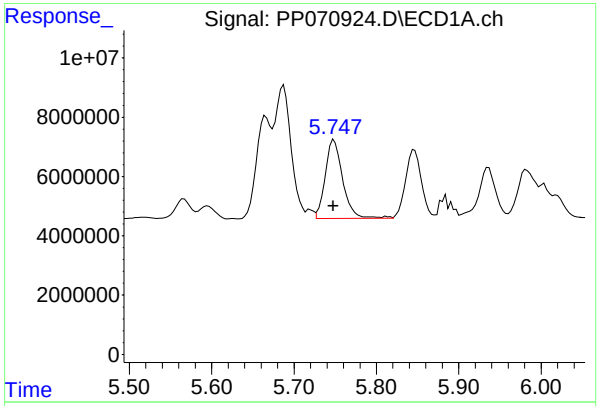

#17 AR-1242-2

R.T.: 5.687 min
Delta R.T.: 0.002 min
Response: 64704598
Conc: 965.38 ng/ml




#17 AR-1242-2

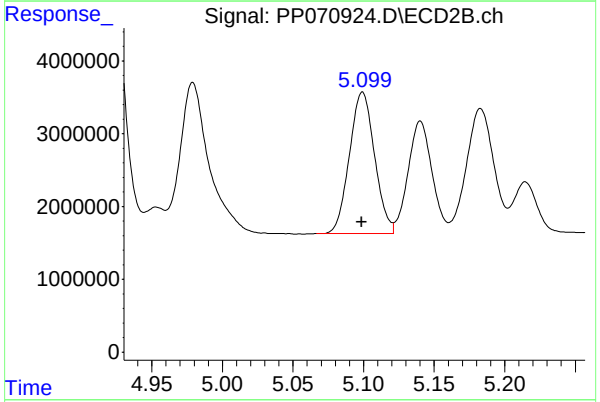
R.T.: 4.922 min
Delta R.T.: 0.001 min
Response: 43879042
Conc: 887.61 ng/ml




#18 AR-1242-3

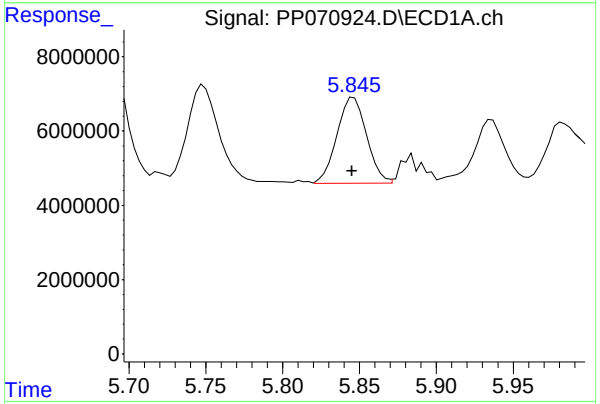
R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 39349869
Conc: 991.11 ng/ml

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



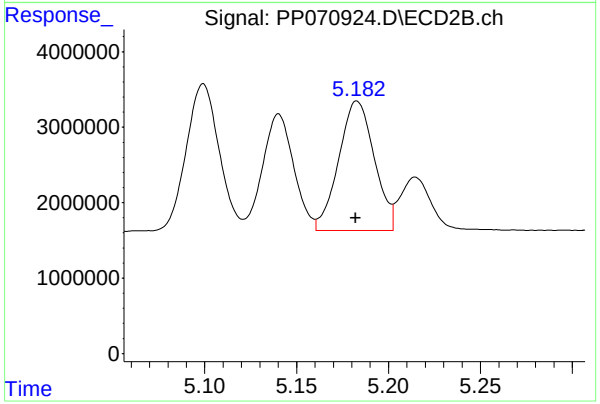

#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 24103124
Conc: 905.49 ng/ml



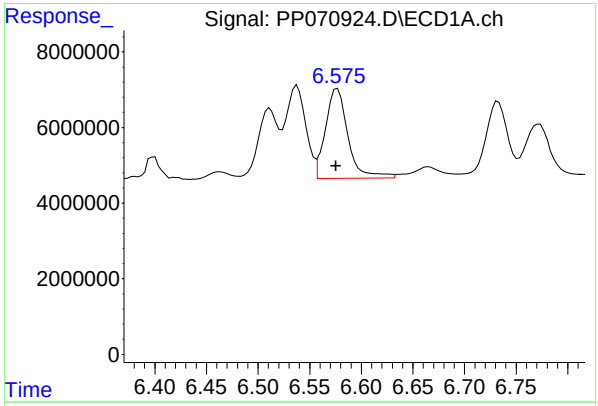

#19 AR-1242-4

R.T.: 5.846 min
Delta R.T.: 0.001 min
Response: 30814559
Conc: 954.69 ng/ml




#19 AR-1242-4

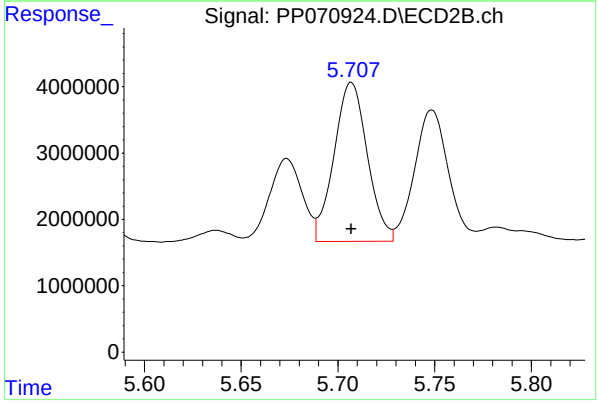
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 23086538
Conc: 902.47 ng/ml




#20 AR-1242-5

R.T.: 6.577 min
Delta R.T.: 0.001 mi
Response: 36006298
Conc: 964.43 ng/m

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




#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 28647762
Conc: 907.76 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:44
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.513 | 3.816 | 113.1E6 | 76564298 | 73.554 | 68.372 |
| 2) | SA Decachlor... | 10.229 | 8.859 | 79761677 | 58459899 | 72.098 | 75.379 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.666 | 4.903 | 32059711 | 23829543 | 738.147 | 687.733 |
| 17) | L4 AR-1242-2 | 5.687 | 4.921 | 47897203 | 33806804 | 714.618 | 683.867 |
| 18) | L4 AR-1242-3 | 5.750 | 5.099 | 28536378 | 18473047 | 718.747 | 693.981 |
| 19) | L4 AR-1242-4 | 5.847 | 5.183 | 23599640 | 17369419 | 731.158 | 678.983 |
| 20) | L4 AR-1242-5 | 6.577 | 5.707 | 26235924 | 21926365 | 702.728 | 694.780 |

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

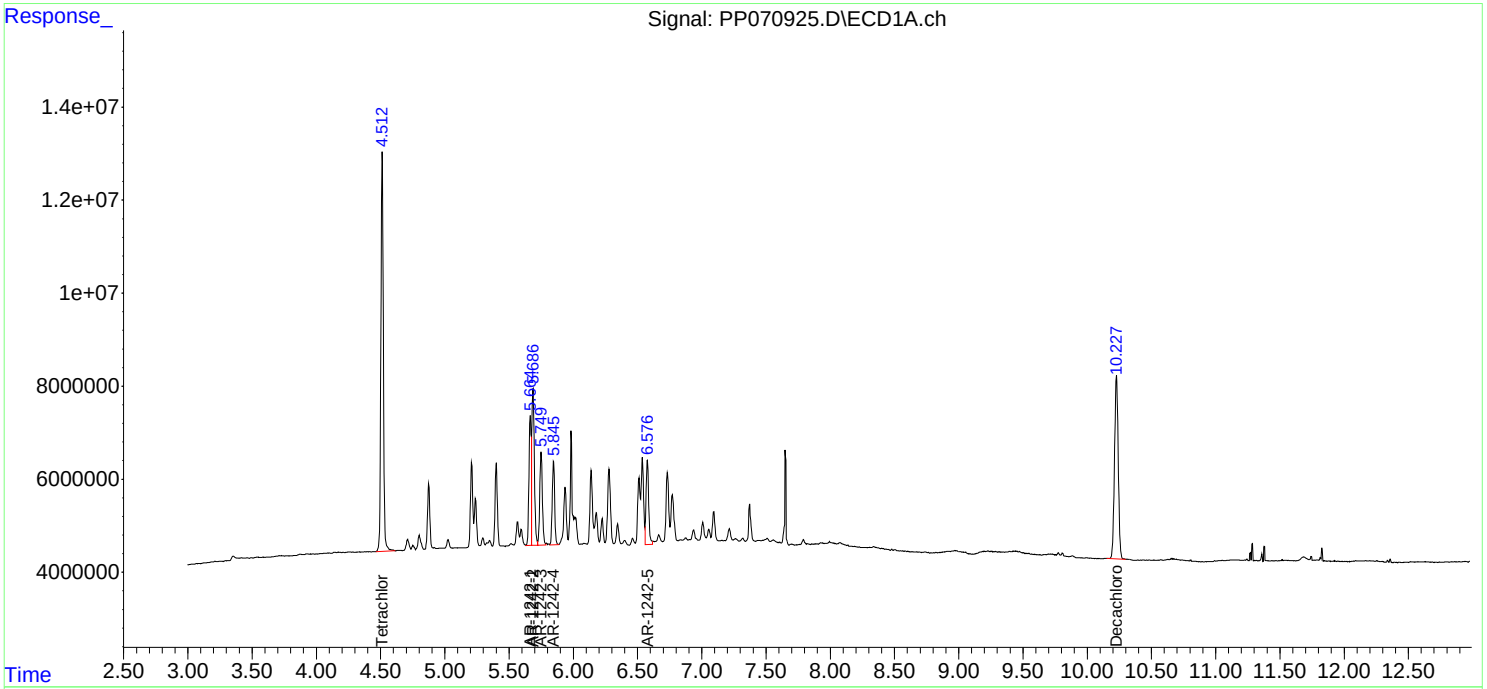
ICAL Form

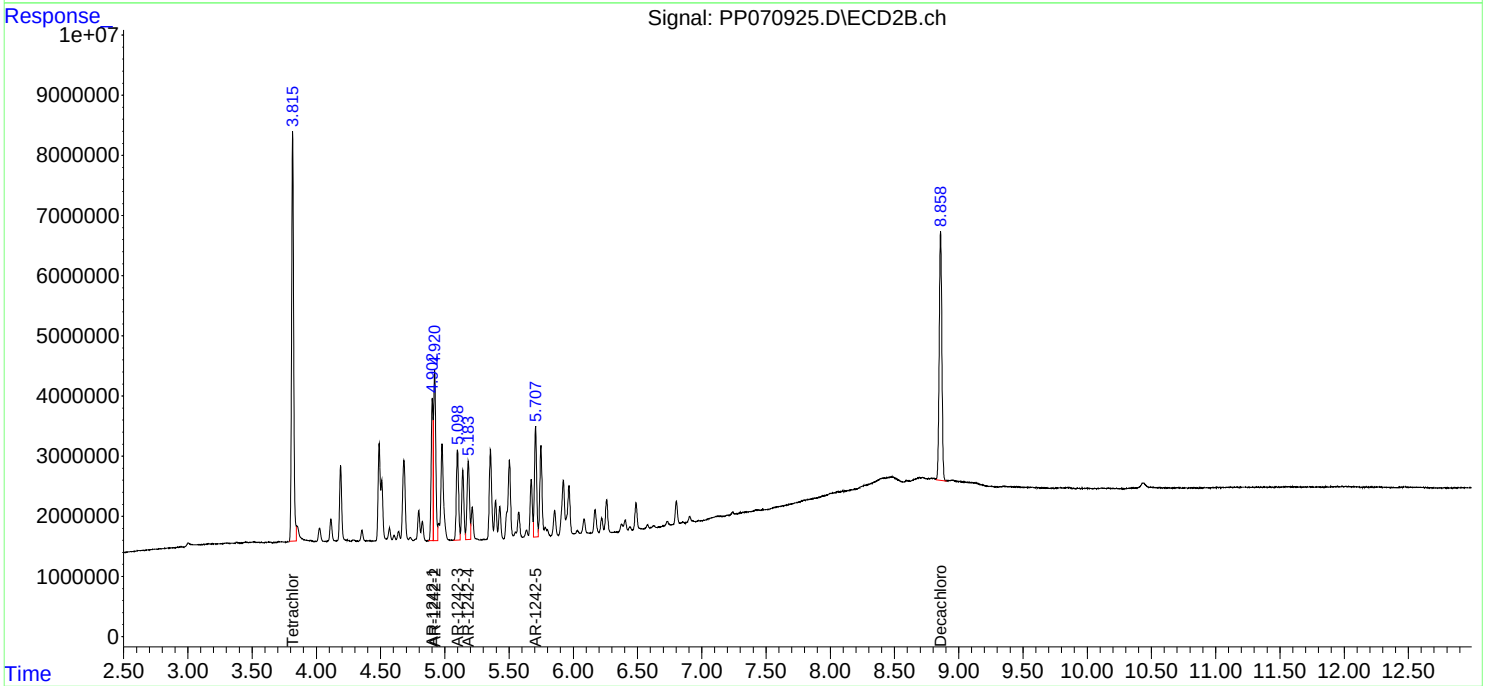
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:44
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

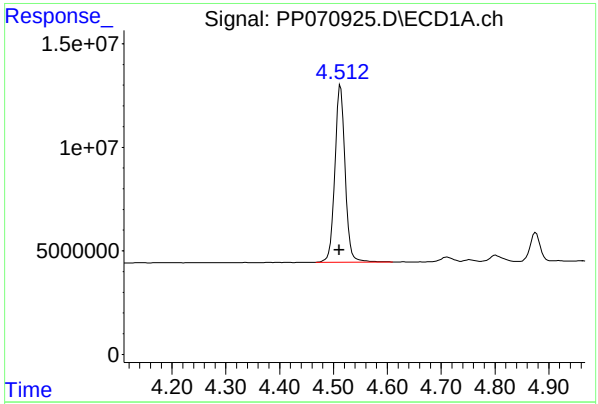
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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



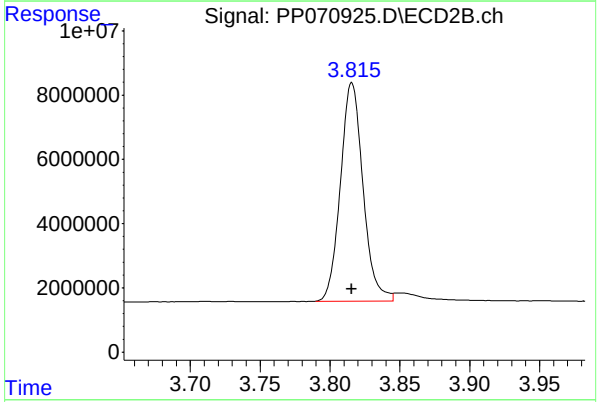






#1 Tetrachloro-m-xylene

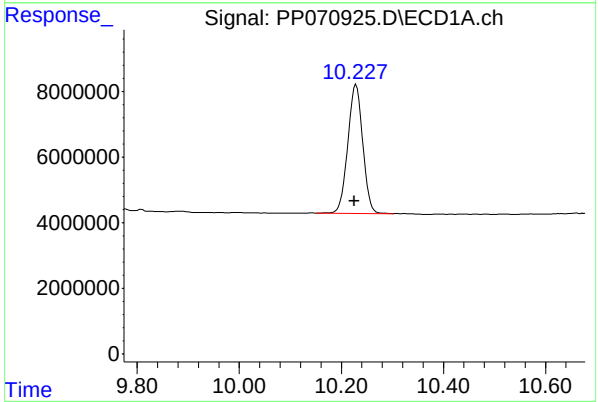
R.T.: 4.513 min
Delta R.T.: 0.002 min
Response: 113081073
Conc: 73.55 ng/ml

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



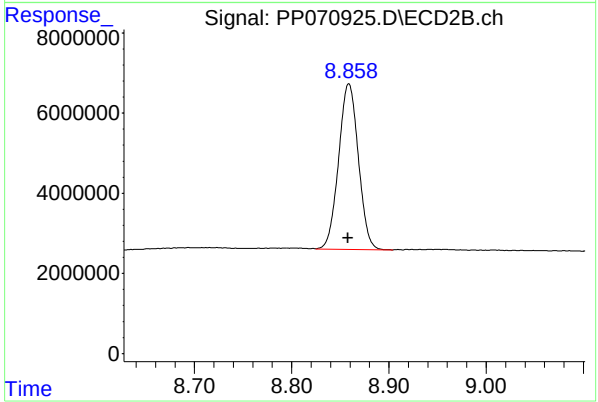

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 76564298
Conc: 68.37 ng/ml



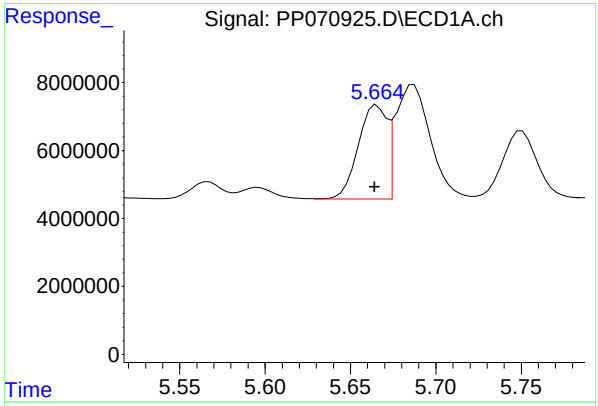

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 79761677
Conc: 72.10 ng/ml




#2 Decachlorobiphenyl

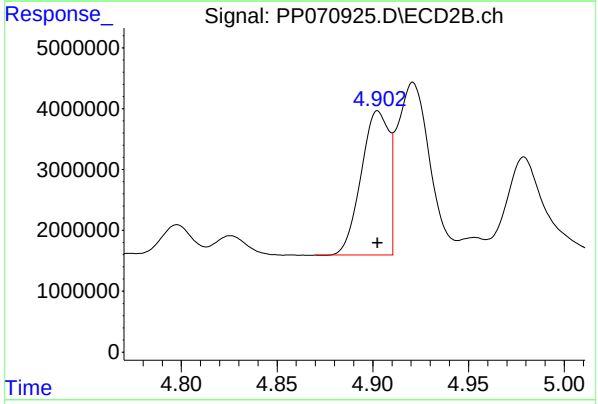
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 58459899
Conc: 75.38 ng/ml




#16 AR-1242-1

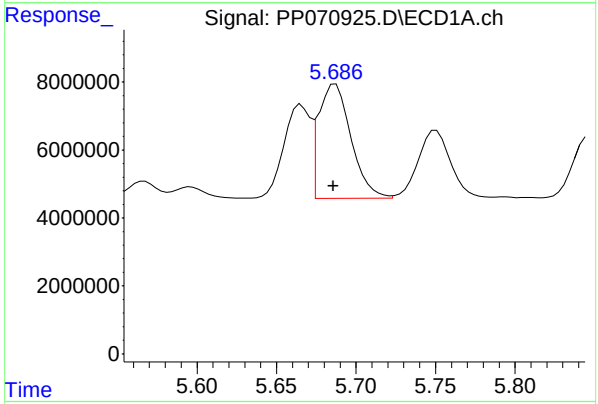
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 32059711
Conc: 738.15 ng/ml

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



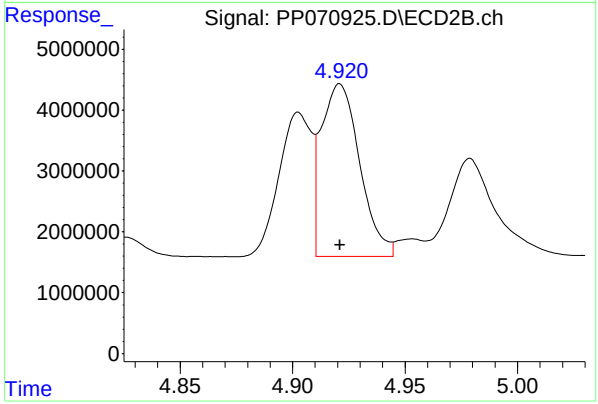

#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 23829543
Conc: 687.73 ng/ml



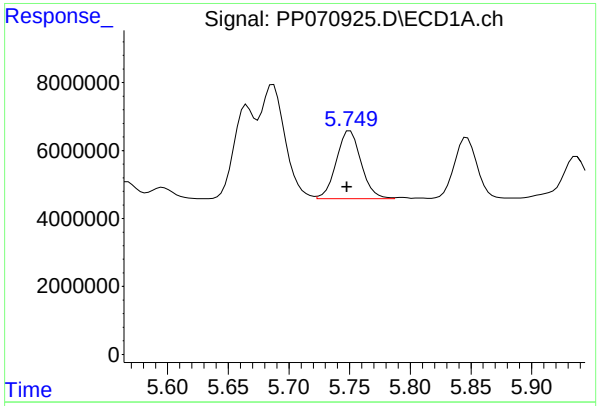

#17 AR-1242-2

R.T.: 5.687 min
Delta R.T.: 0.001 min
Response: 47897203
Conc: 714.62 ng/ml




#17 AR-1242-2

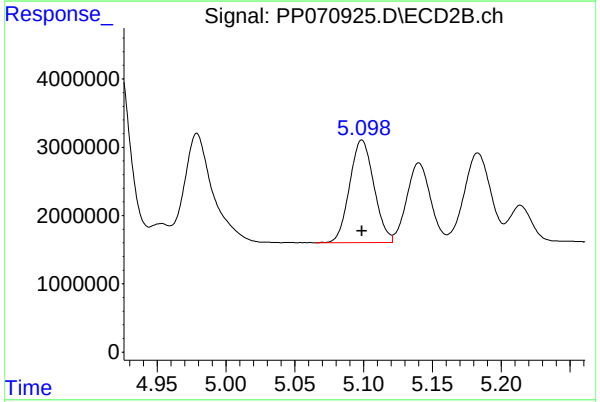
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 33806804
Conc: 683.87 ng/ml




#18 AR-1242-3

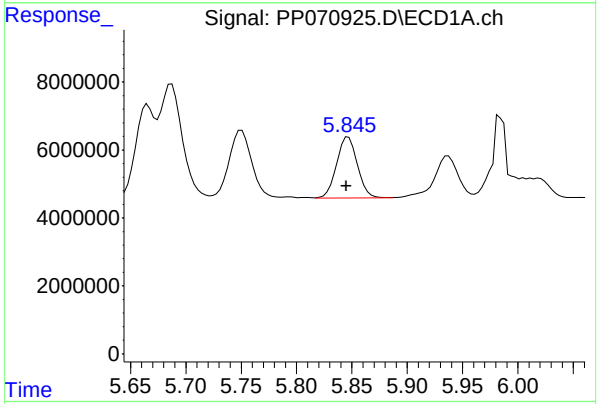
R.T.: 5.750 min
Delta R.T.: 0.003 min
Response: 28536378
Conc: 718.75 ng/ml

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



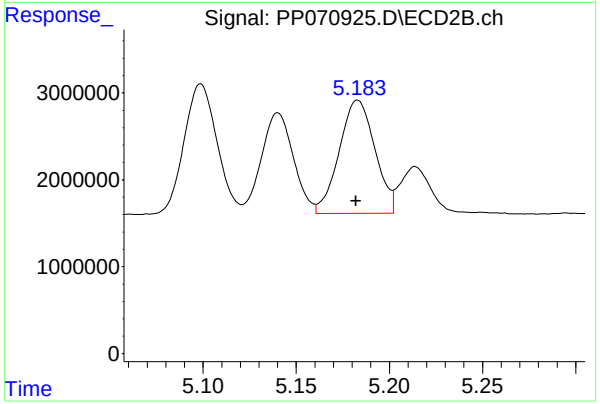

#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 18473047
Conc: 693.98 ng/ml



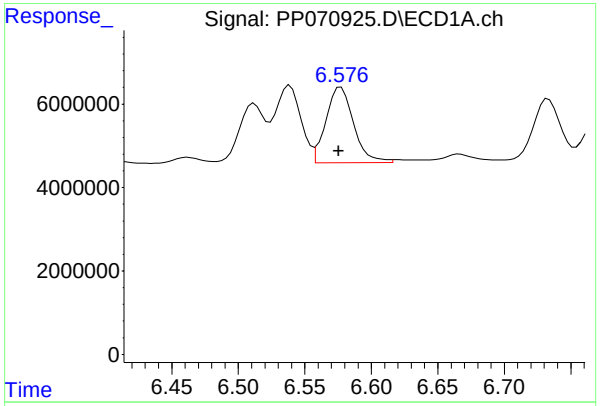

#19 AR-1242-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 23599640
Conc: 731.16 ng/ml




#19 AR-1242-4

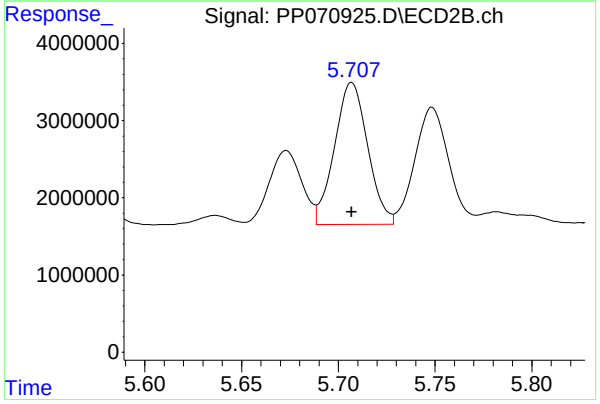
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 17369419
Conc: 678.98 ng/ml




#20 AR-1242-5

R.T.: 6.577 min
Delta R.T.: 0.002 min
Response: 26235924
Conc: 702.73 ng/ml

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




#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 21926365
Conc: 694.78 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.511 | 3.815 | 76869856 | 55991243 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.225 | 8.858 | 55314656 | 38777230 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.664 | 4.902 | 21716335 | 17324704 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.686 | 4.921 | 33512438 | 24717400 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 5.748 | 5.099 | 19851486 | 13309479 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 5.845 | 5.182 | 16138543 | 12790769 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.576 | 5.707 | 18667188 | 15779369 | 500.000 | 500.000 |

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

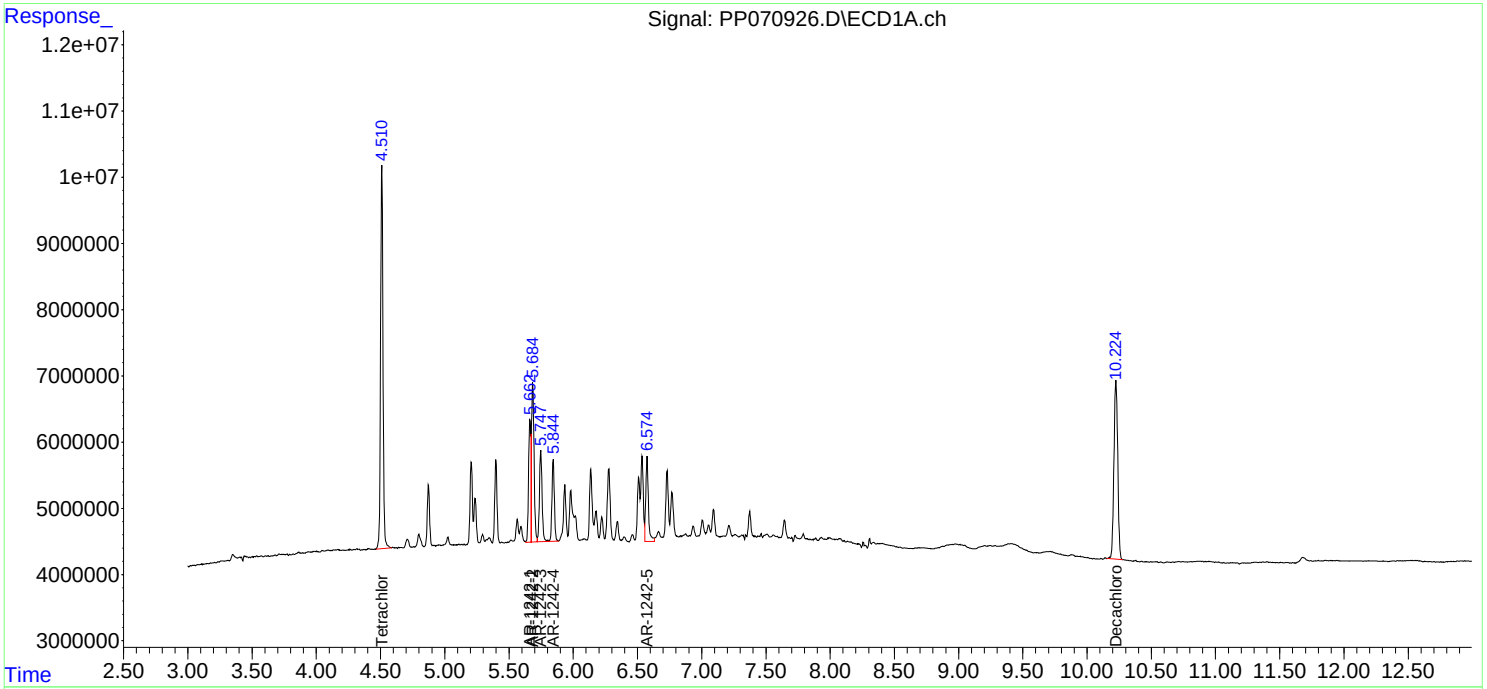
ICAL Form

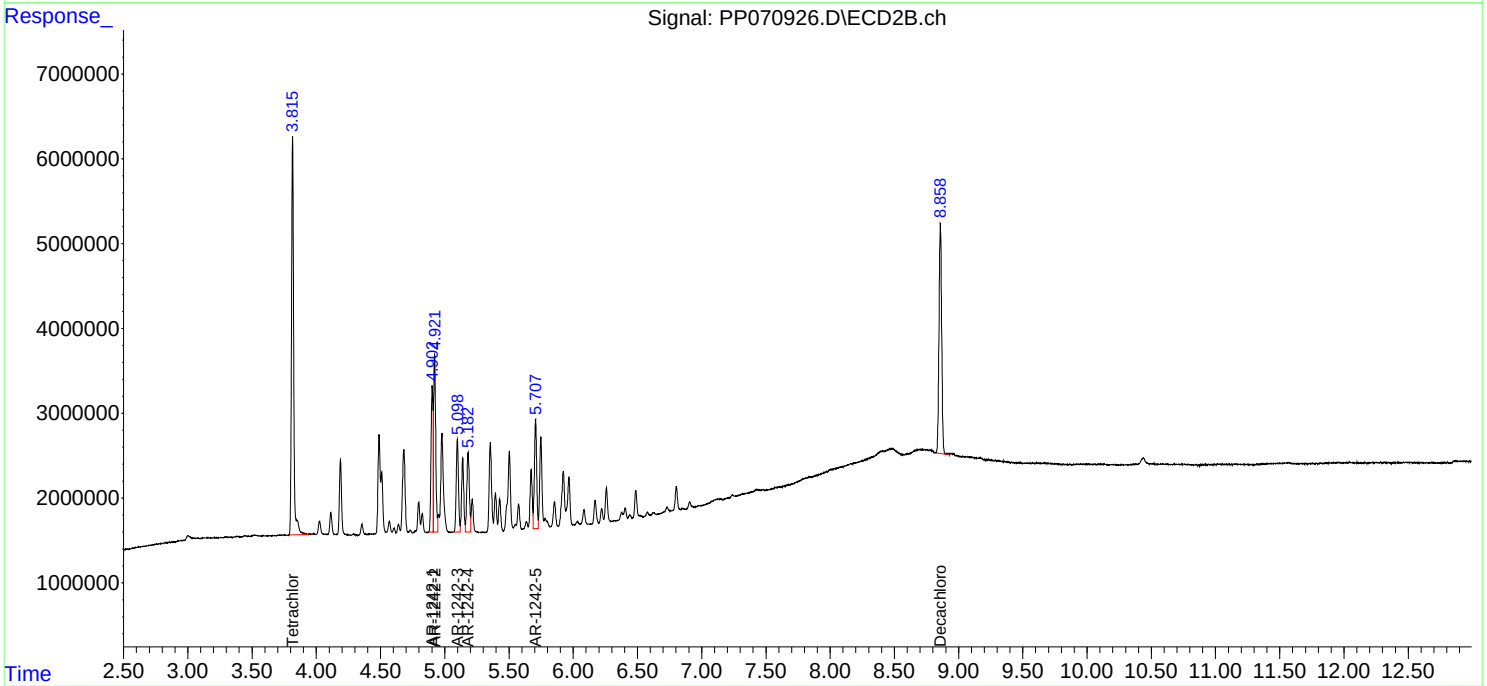
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:00
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

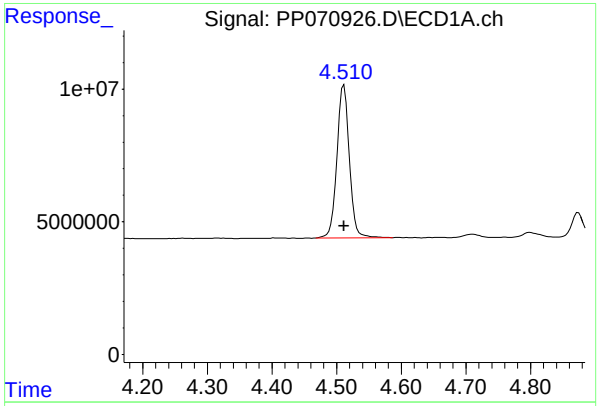
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:28:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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



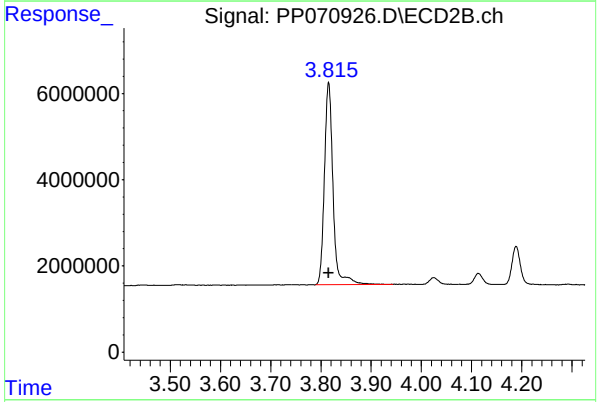






#1 Tetrachloro-m-xylene

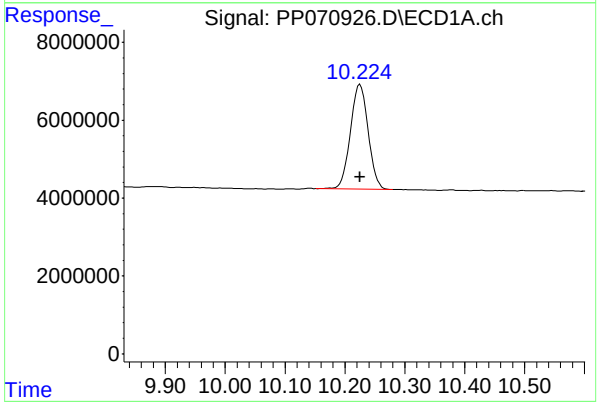
R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 76869856
Conc: 50.00 ng/ml

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



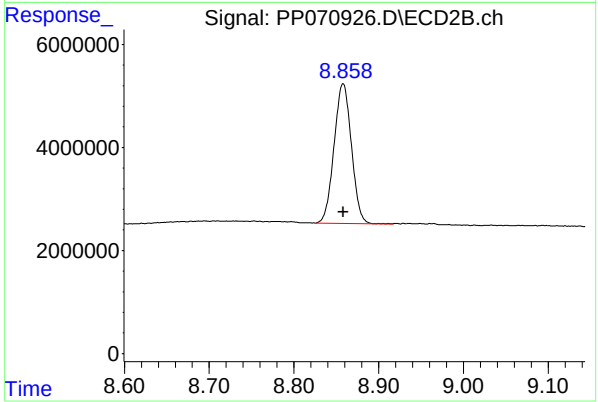

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 55991243
Conc: 50.00 ng/ml



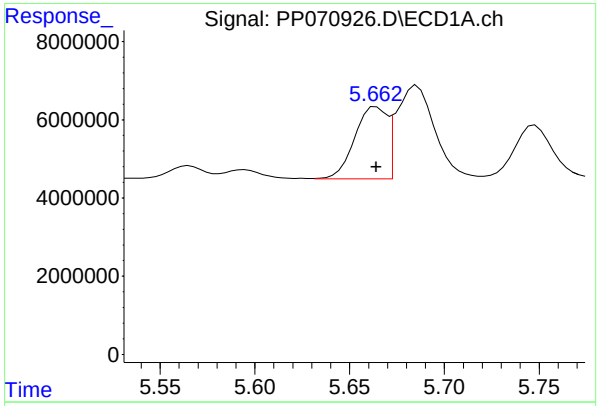

#2 Decachlorobiphenyl

R.T.: 10.225 min
Delta R.T.: 0.000 min
Response: 55314656
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

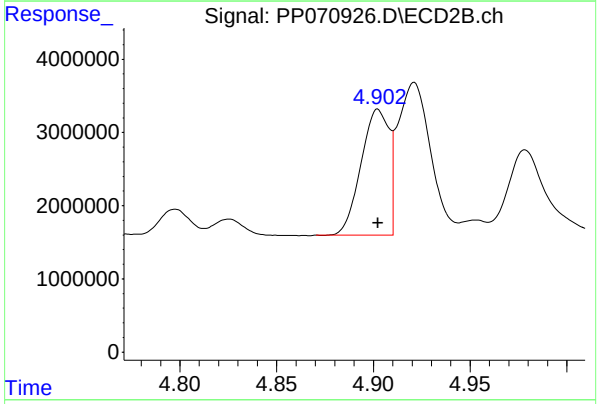
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 38777230
Conc: 50.00 ng/ml




#16 AR-1242-1

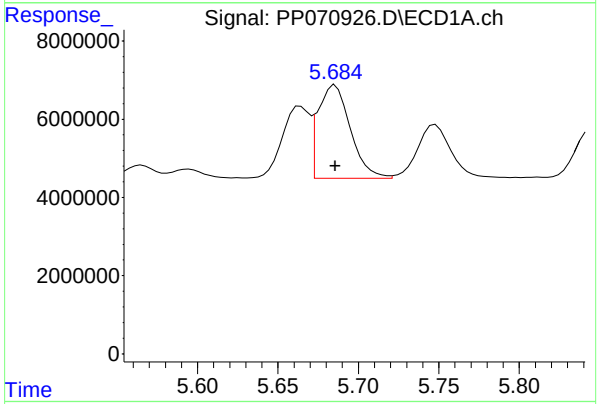
R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 21716335
Conc: 500.00 ng/ml

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



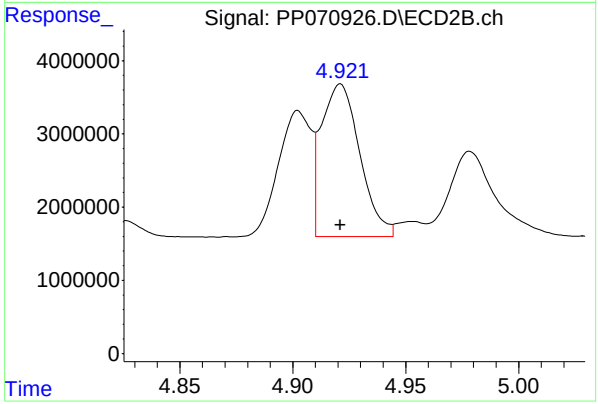

#16 AR-1242-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 17324704
Conc: 500.00 ng/ml



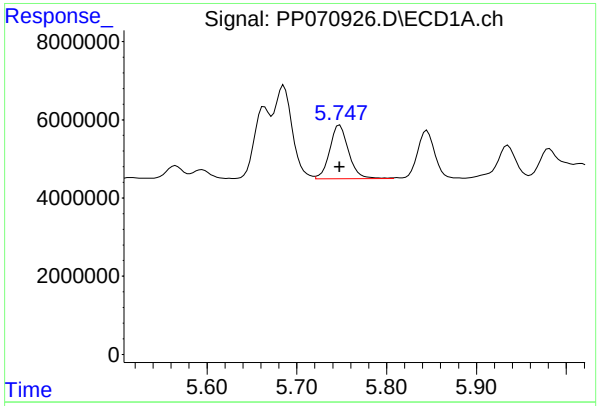

#17 AR-1242-2

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 33512438
Conc: 500.00 ng/ml




#17 AR-1242-2

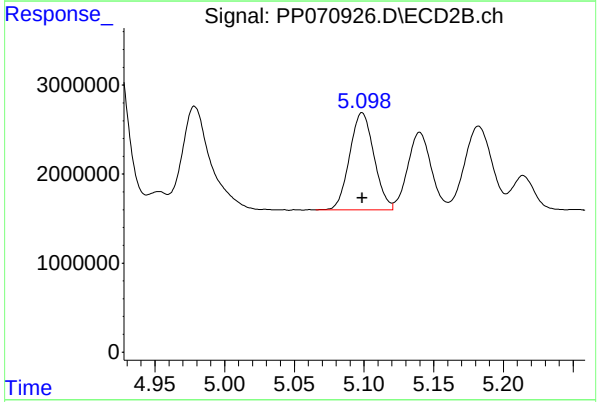
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 24717400
Conc: 500.00 ng/ml




#18 AR-1242-3

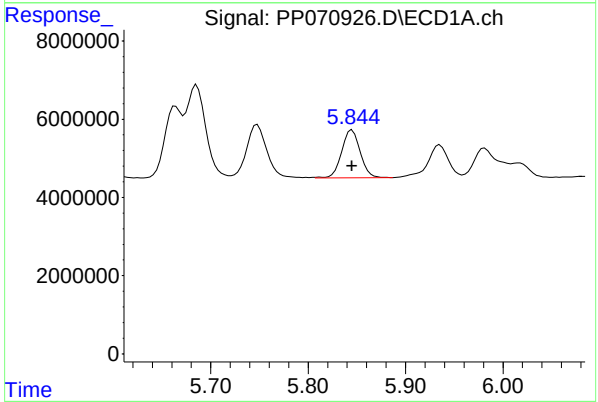
R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 19851486
Conc: 500.00 ng/ml

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



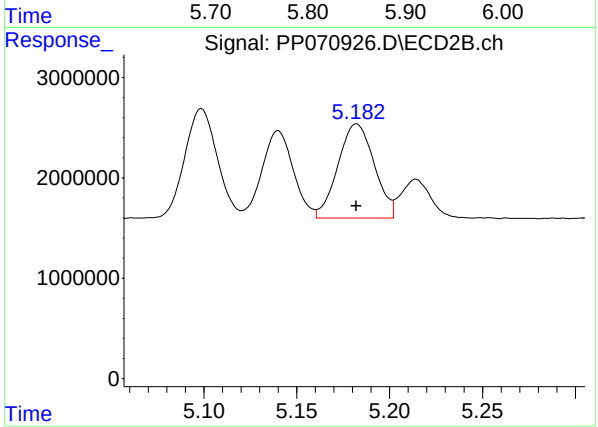

#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 13309479
Conc: 500.00 ng/ml



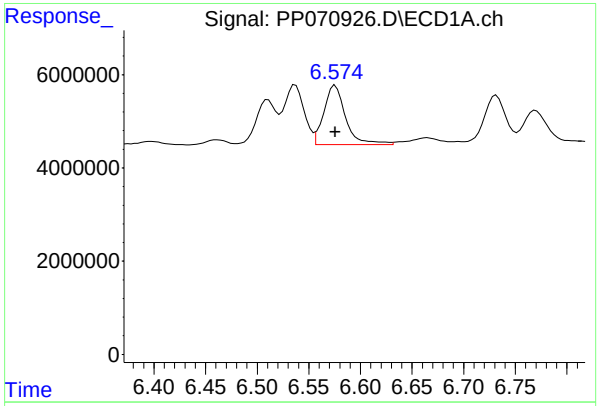

#19 AR-1242-4

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 16138543
Conc: 500.00 ng/ml




#19 AR-1242-4

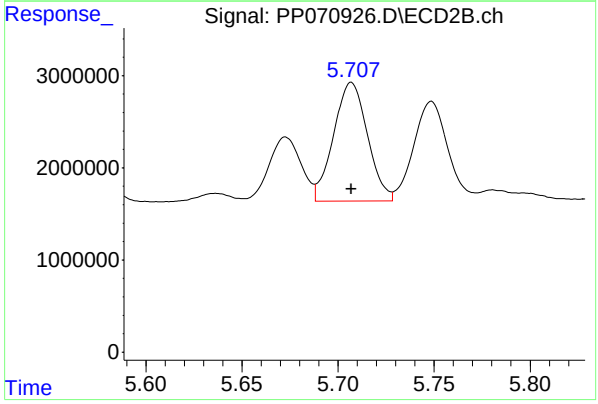
R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 12790769
Conc: 500.00 ng/ml




#20 AR-1242-5

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 18667188
Conc: 500.00 ng/ml

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




#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 15779369
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:16
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:36:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.514 | 3.816 | 39179148 | 28013392 | 25.484 | 25.016 |
| 2) | SA Decachlor... | 10.230 | 8.858 | 28836317 | 21287334 | 26.066 | 27.448 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.666 | 4.903 | 10996159 | 9674680 | 253.177 | 279.216 |
| 17) | L4 AR-1242-2 | 5.688 | 4.922 | 17212597 | 13875945 | 256.809 | 280.692 |
| 18) | L4 AR-1242-3 | 5.750 | 5.099 | 10156885 | 7458368 | 255.822 | 280.190 |
| 19) | L4 AR-1242-4 | 5.847 | 5.183 | 8048661 | 7154684 | 249.361 | 279.682 |
| 20) | L4 AR-1242-5 | 6.578 | 5.708 | 9640099 | 8240601 | 258.210 | 261.119 |

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

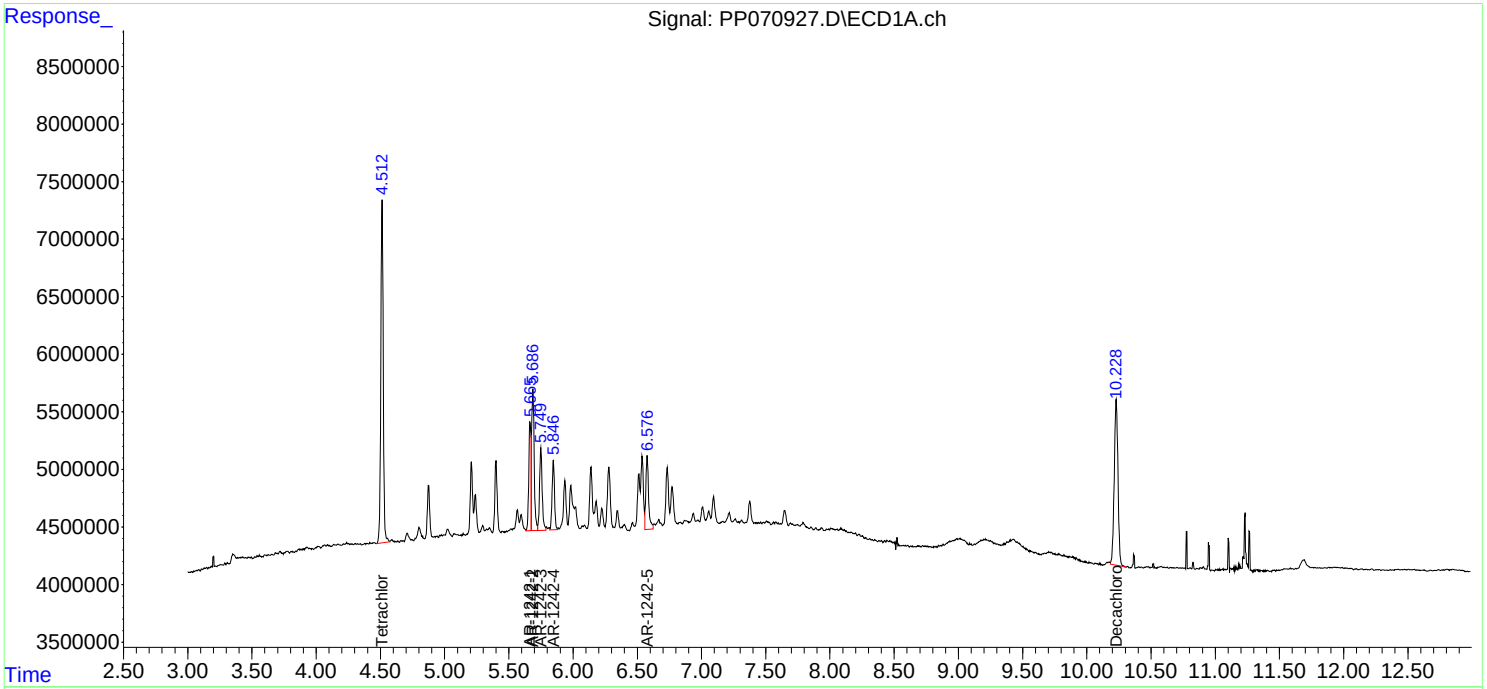
ICAL Form

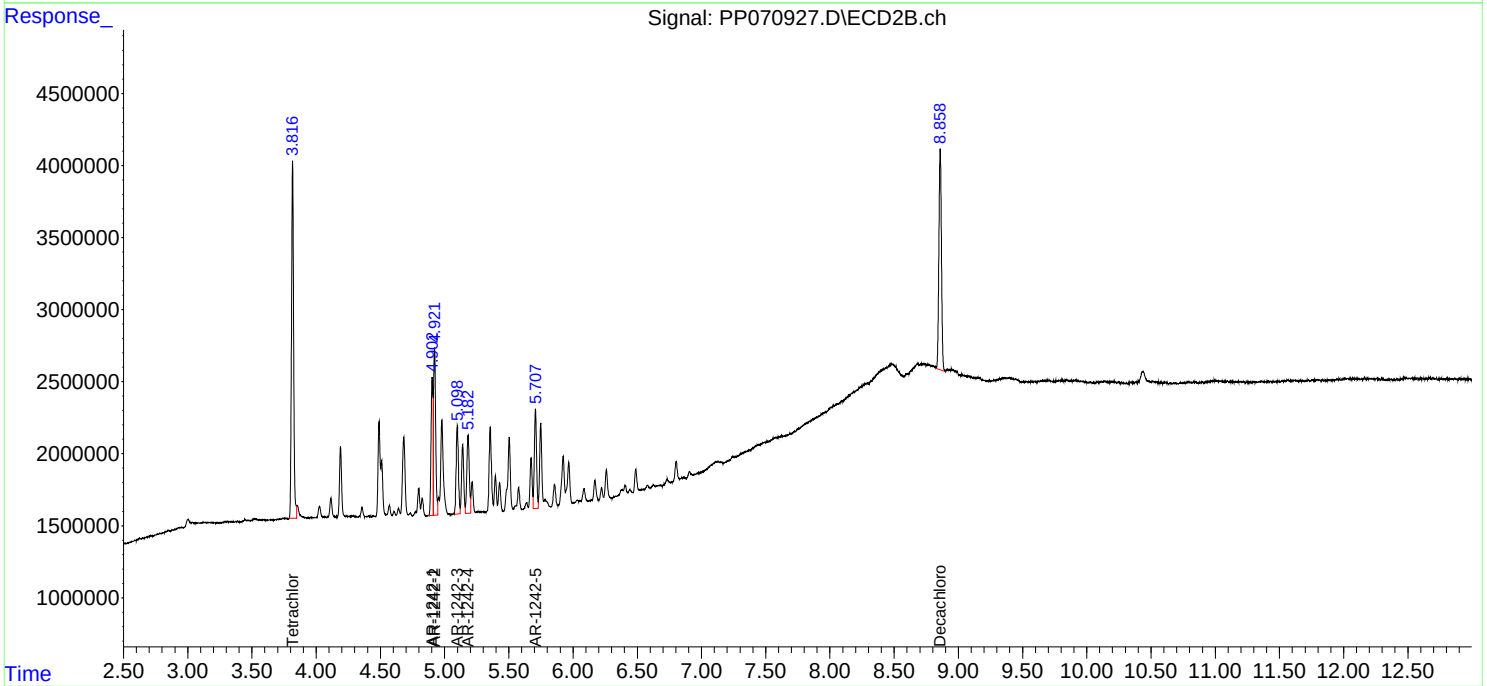
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:16
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

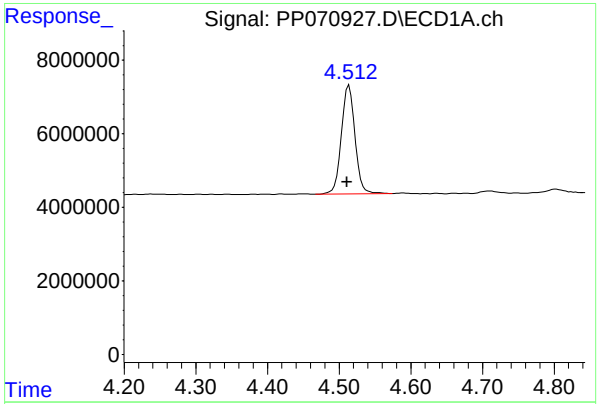
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:36:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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



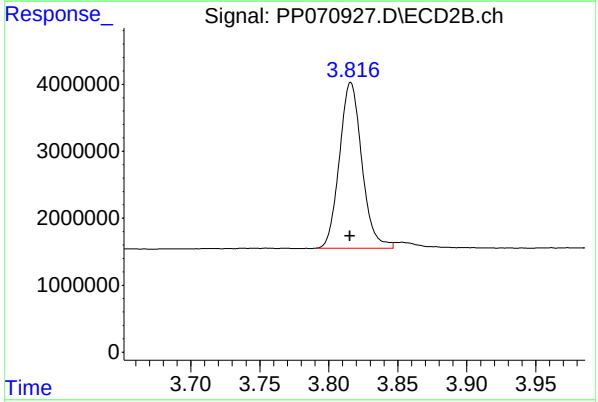






#1 Tetrachloro-m-xylene

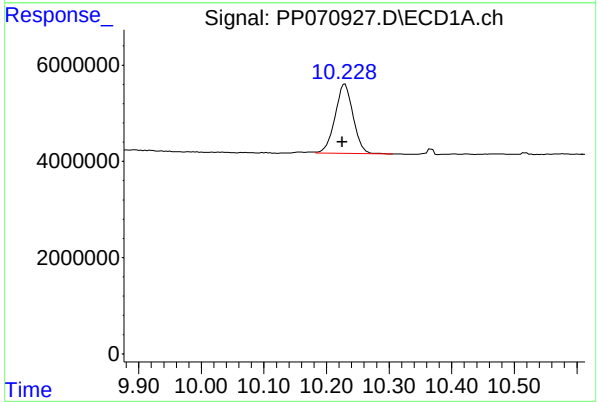
R.T.: 4.514 min
Delta R.T.: 0.003 min
Response: 39179148
Conc: 25.48 ng/ml

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



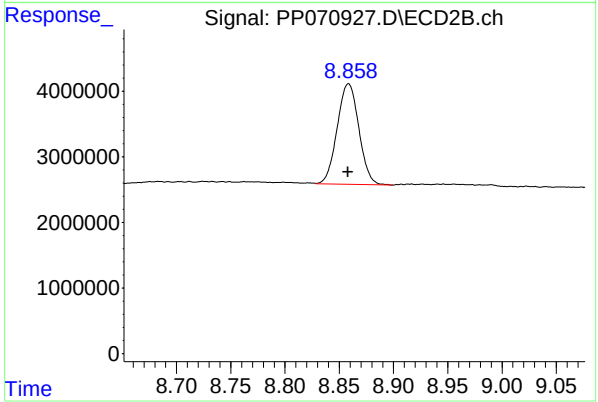

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 28013392
Conc: 25.02 ng/ml



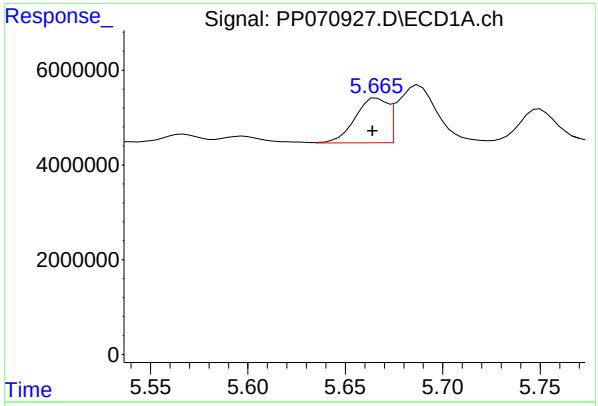

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.004 min
Response: 28836317
Conc: 26.07 ng/ml




#2 Decachlorobiphenyl

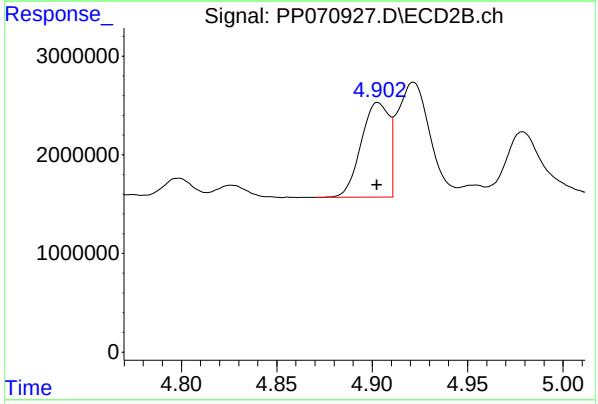
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 21287334
Conc: 27.45 ng/ml




#16 AR-1242-1

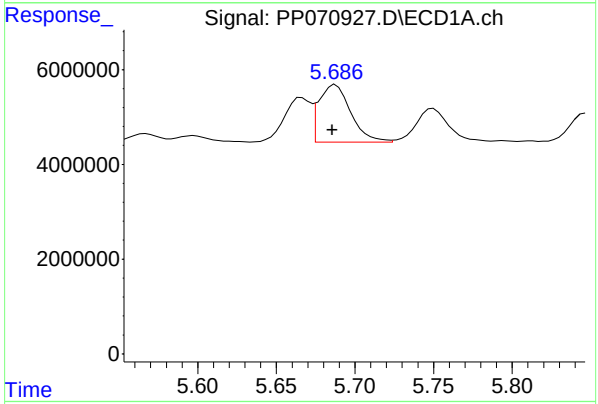
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 10996159
Conc: 253.18 ng/ml

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



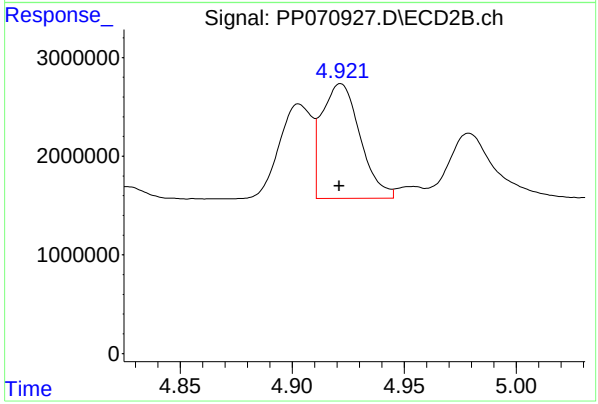

#16 AR-1242-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 9674680
Conc: 279.22 ng/ml



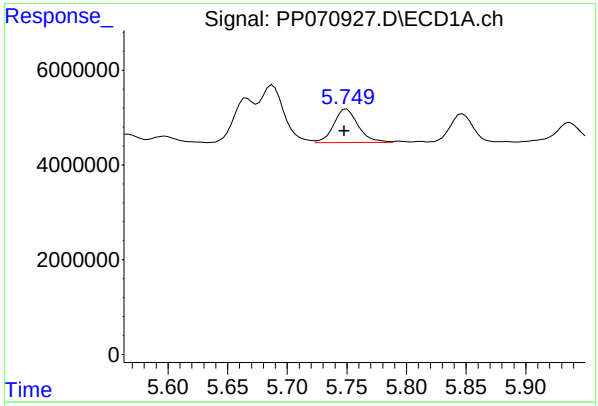

#17 AR-1242-2

R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 17212597
Conc: 256.81 ng/ml




#17 AR-1242-2

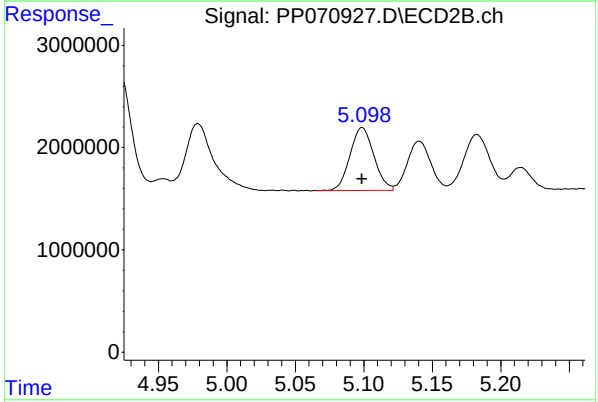
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 13875945
Conc: 280.69 ng/ml




#18 AR-1242-3

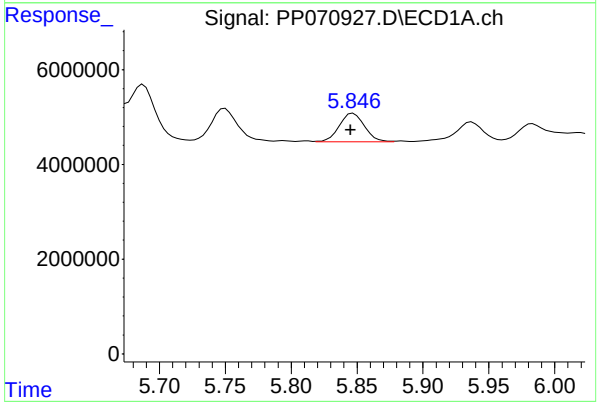
R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 10156885
Conc: 255.82 ng/ml

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



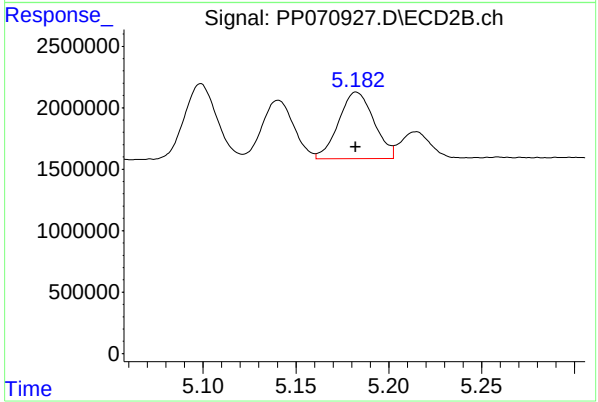

#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 7458368
Conc: 280.19 ng/ml



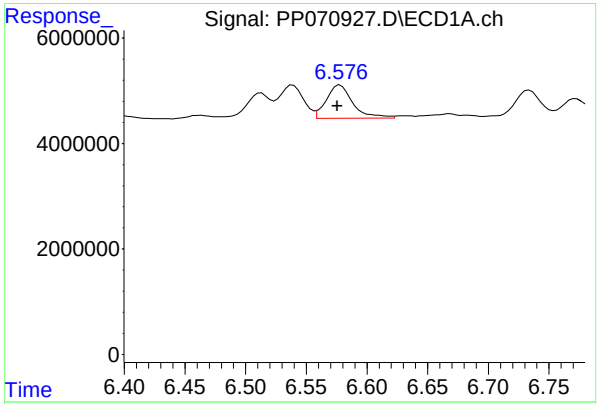

#19 AR-1242-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 8048661
Conc: 249.36 ng/ml




#19 AR-1242-4

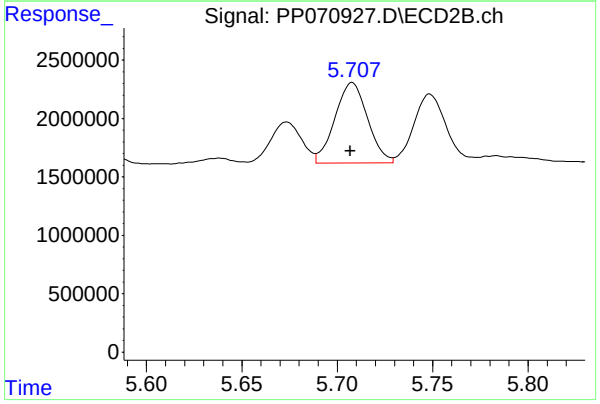
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 7154684
Conc: 279.68 ng/ml




#20 AR-1242-5

R.T.: 6.578 min
Delta R.T.: 0.002 mi
Response: 9640099
Conc: 258.21 ng/m

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




#20 AR-1242-5

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 8240601
Conc: 261.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.512 | 3.815 | 6633492 | 5532966 | 4.273 | 4.939 |
| 2) | SA Decachlor... | 10.226 | 8.857 | 5282830 | 3387334 | 4.676 | 4.164 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.663 | 4.902 | 2436604 | 1773341 | 55.746m | 48.354 |
| 17) | L4 AR-1242-2 | 5.686 | 4.921 | 2856942 | 2619762 | 42.052m | 49.929m |
| 18) | L4 AR-1242-3 | 5.748 | 5.098 | 2373419 | 1401755 | 59.091m | 49.661 |
| 19) | L4 AR-1242-4 | 5.843 | 5.181 | 1293211 | 1572257 | 40.117m | 58.017m# |
| 20) | L4 AR-1242-5 | 6.574 | 5.705 | 1783487 | 1619372 | 46.999m | 50.197m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

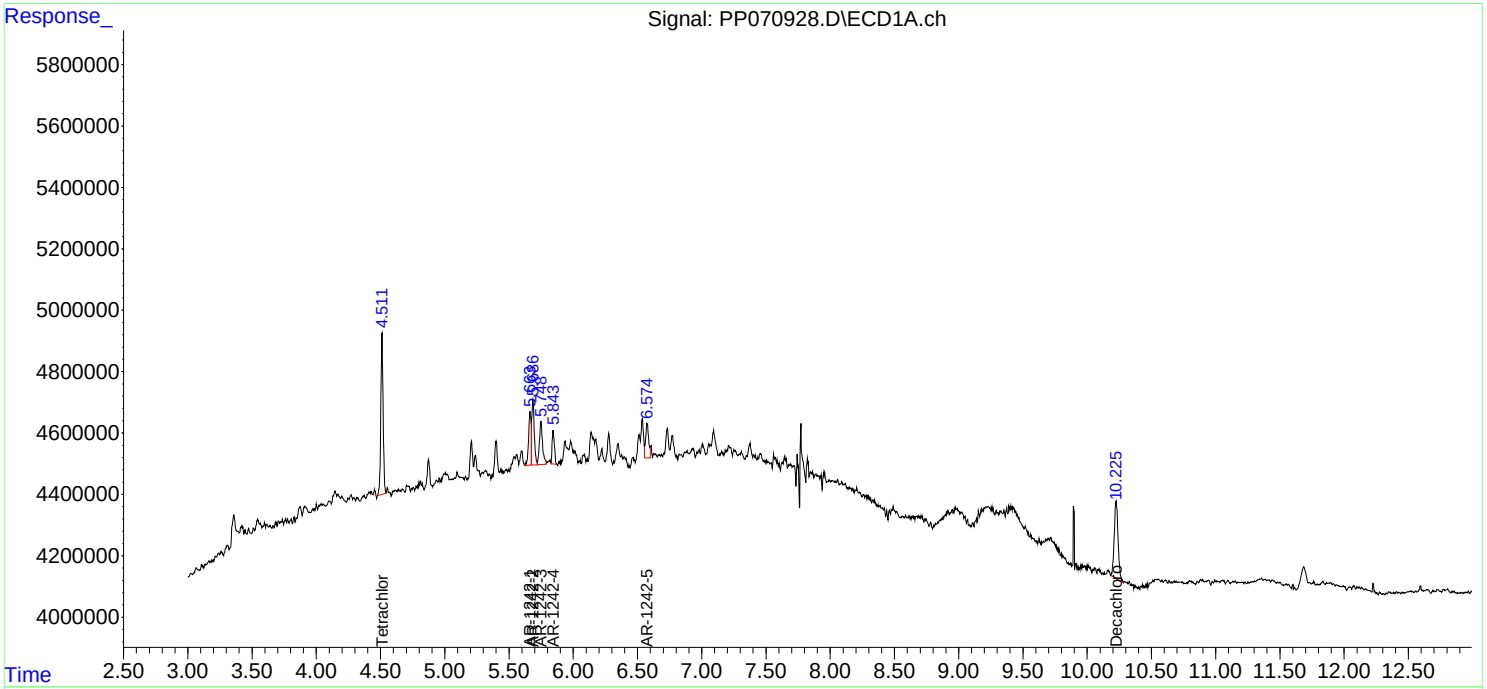
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

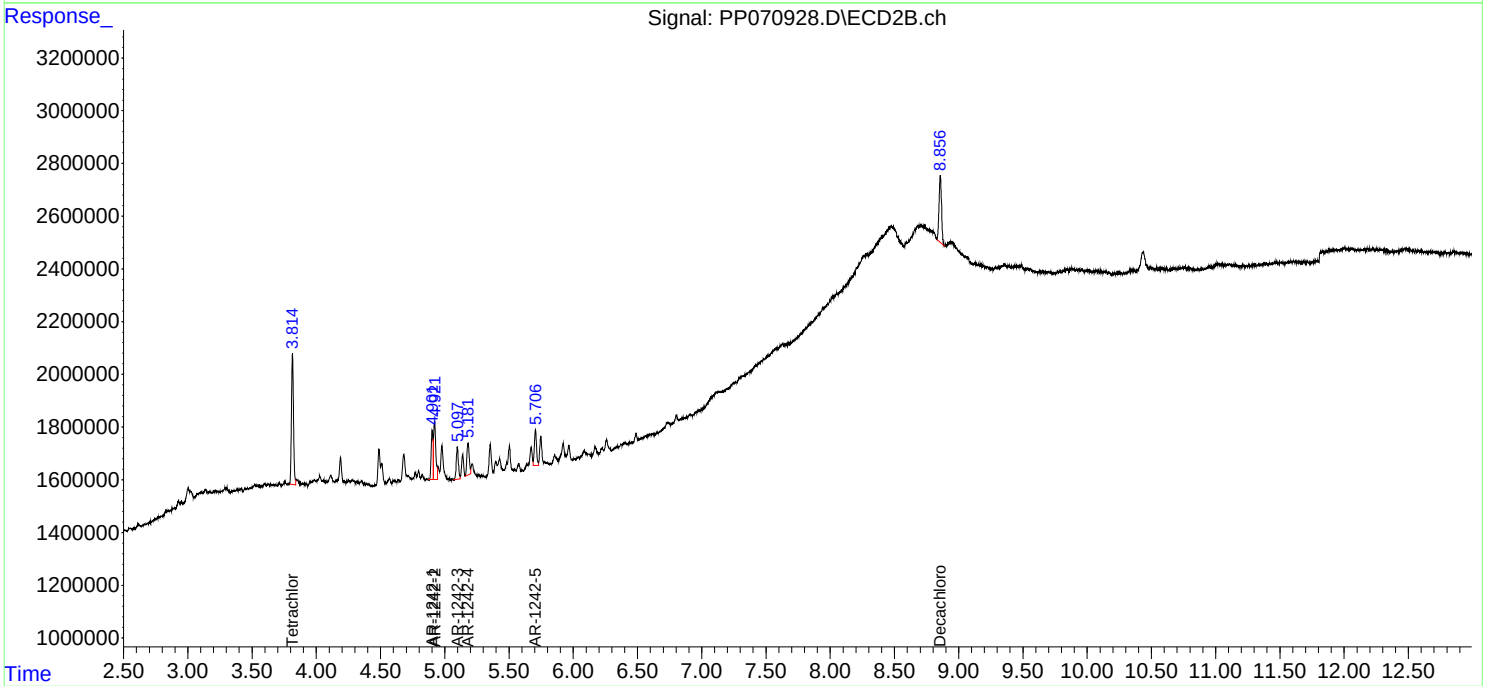
**Manual Integrations APPROVED**

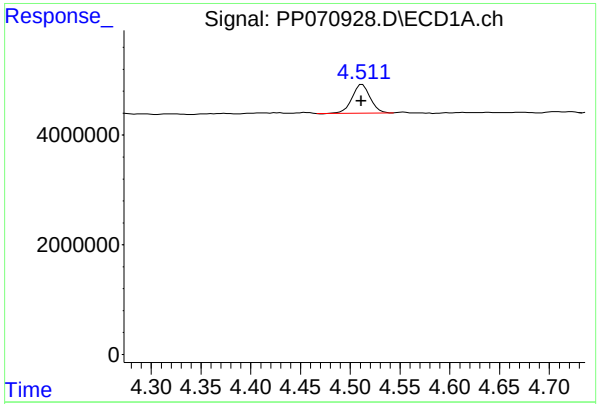
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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





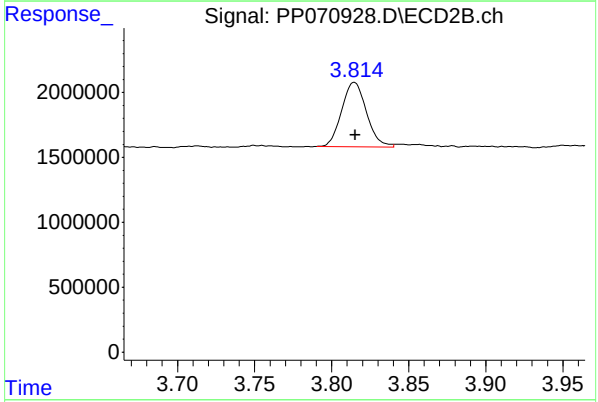

#1 Tetrachloro-m-xylene

R.T.: 4.512 min
Delta R.T.: 0.001 min
Response: 6633492
Conc: 4.27 ng/ml

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

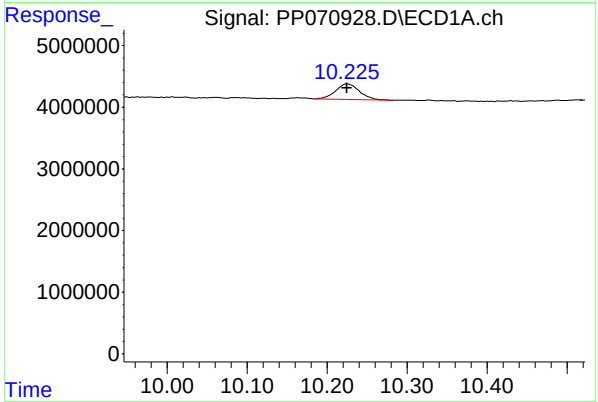
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



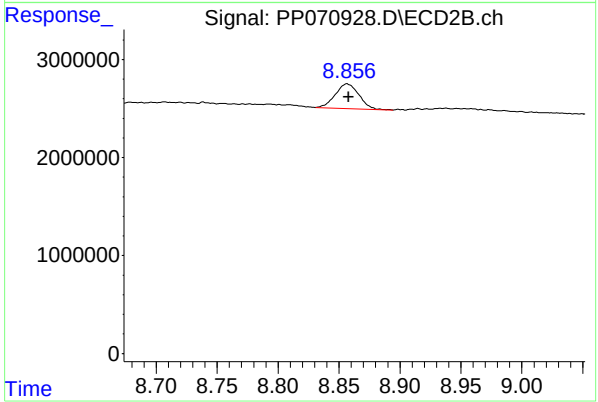

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5532966
Conc: 4.94 ng/ml



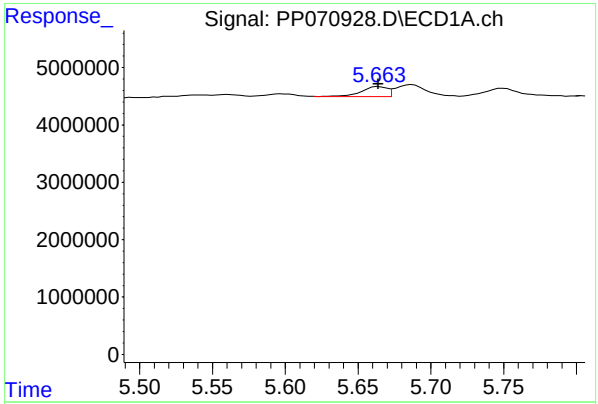

#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 5282830
Conc: 4.68 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.857 min
Delta R.T.: -0.001 min
Response: 3387334
Conc: 4.16 ng/ml



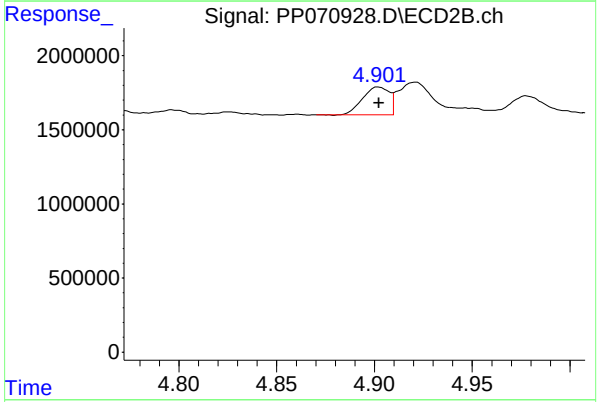

#16 AR-1242-1

R.T.: 5.663 min
Delta R.T.: -0.002 mi
Response: 2436604
Conc: 55.75 ng/m

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

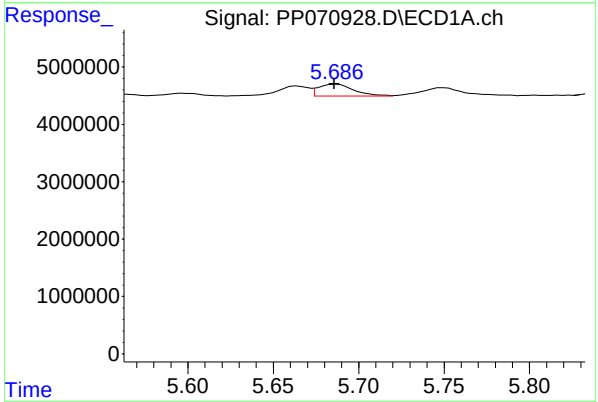
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



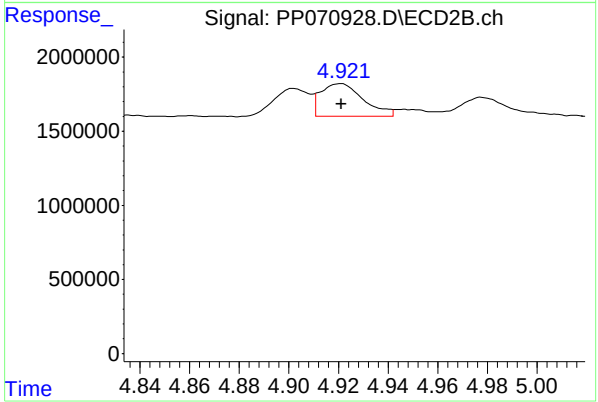

#16 AR-1242-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1773341
Conc: 48.35 ng/ml



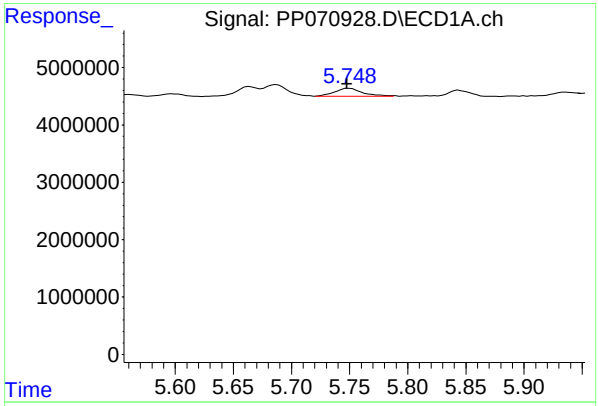

#17 AR-1242-2

R.T.: 5.686 min
Delta R.T.: 0.000 min
Response: 2856942
Conc: 42.05 ng/ml m




#17 AR-1242-2

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 2619762
Conc: 49.93 ng/ml m



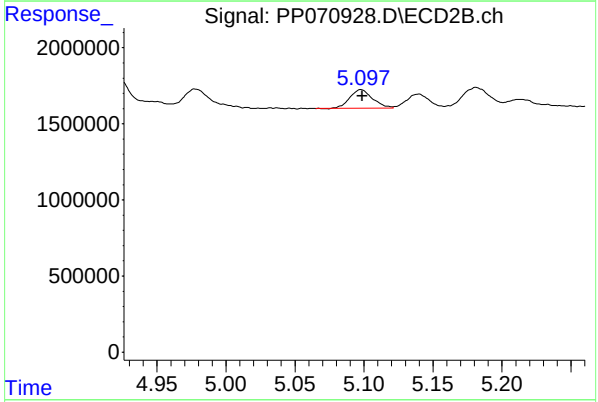

#18 AR-1242-3

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 2373419
Conc: 59.09 ng/ml

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

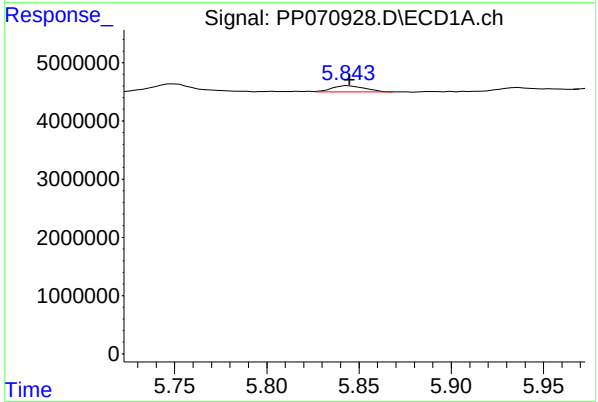
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



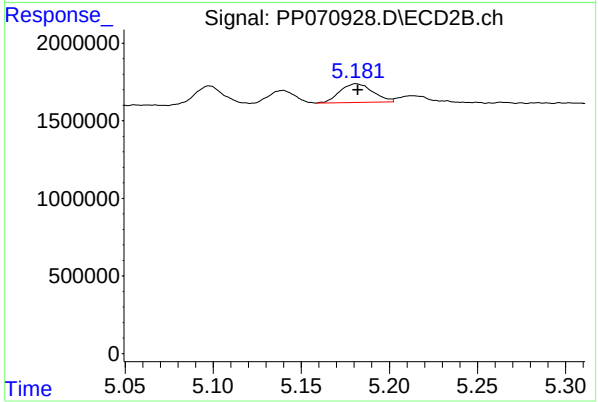

#18 AR-1242-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 1401755
Conc: 49.66 ng/ml



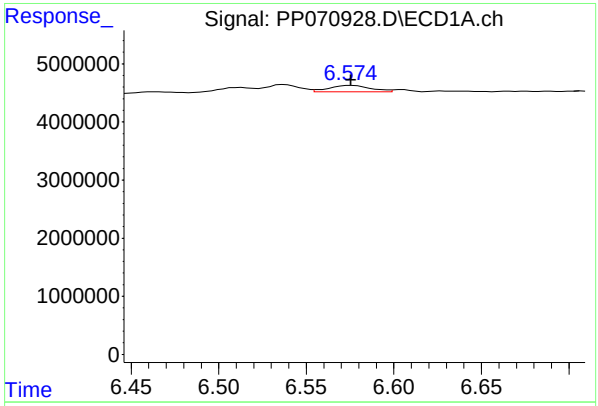

#19 AR-1242-4

R.T.: 5.843 min
Delta R.T.: -0.002 min
Response: 1293211
Conc: 40.12 ng/ml m




#19 AR-1242-4

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1572257
Conc: 58.02 ng/ml m



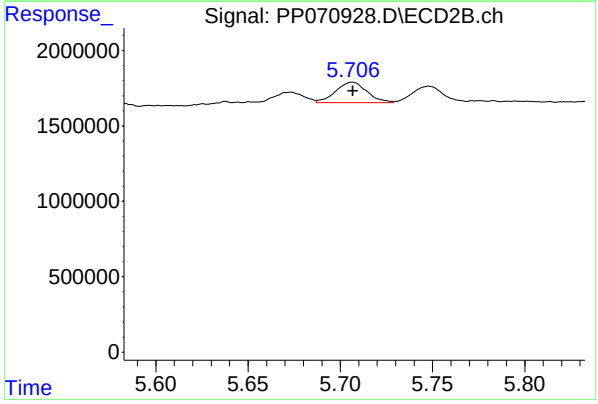

#20 AR-1242-5

R.T.: 6.574 min
Delta R.T.: -0.002 mi
Response: 1783487
Conc: 47.00 ng/m

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

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#20 AR-1242-5

R.T.: 5.705 min
Delta R.T.: -0.001 min
Response: 1619372
Conc: 50.20 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:49
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:45:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.514 | 3.816 | 146.2E6 | 96952216 | 94.393 | 85.183 |
| 2) | SA Decachlor... | 10.229 | 8.859 | 107.2E6 | 76343240 | 88.954 | 92.303 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.666 | 4.903 | 31141042 | 23297586 | 921.836 | 817.423 |
| 22) | L5 AR-1248-2 | 5.938 | 5.141 | 42399779 | 31071420 | 917.898 | 811.806 |
| 23) | L5 AR-1248-3 | 6.140 | 5.183 | 48055172 | 32592570 | 927.258 | 815.546 |
| 24) | L5 AR-1248-4 | 6.539 | 5.355 | 59878410 | 38114246 | 893.176 | 807.817 |
| 25) | L5 AR-1248-5 | 6.579 | 5.749 | 56652876 | 37031094 | 881.261 | 843.047 |

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

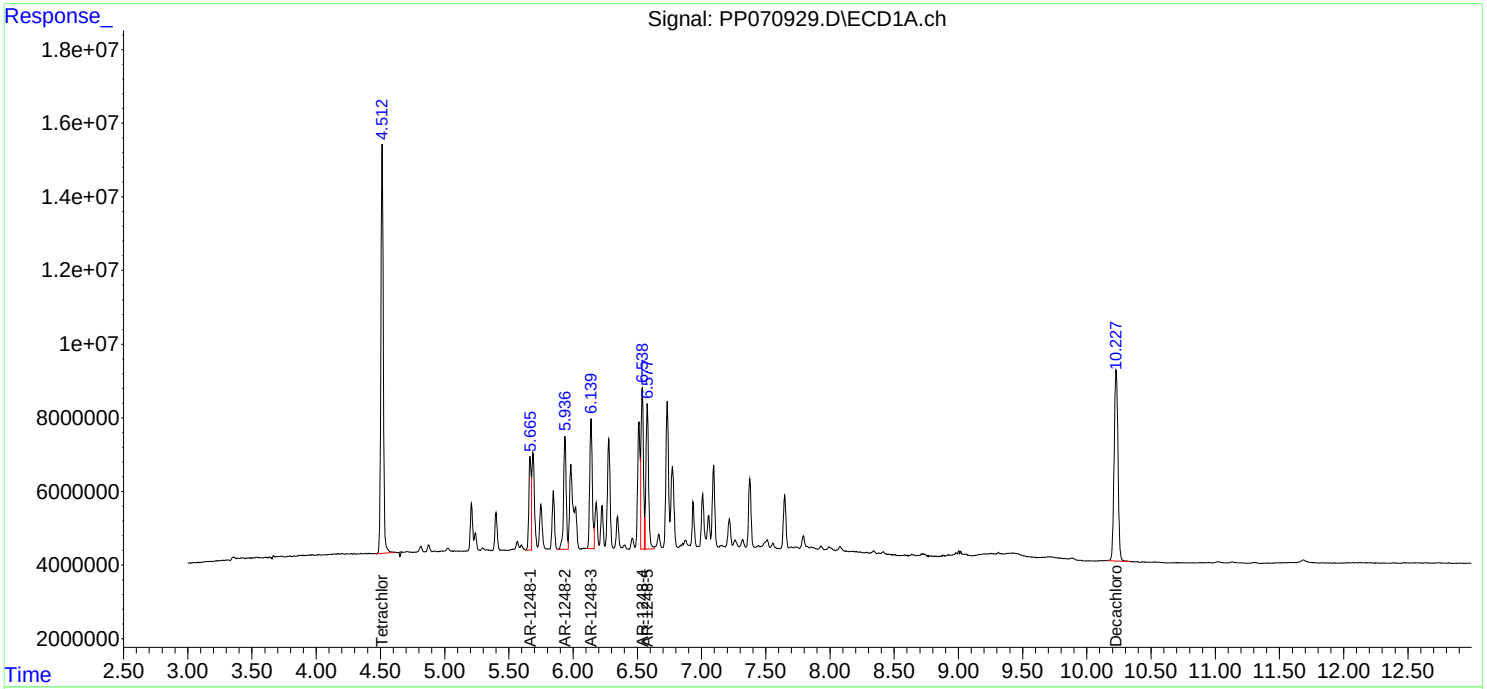
ICAL Form

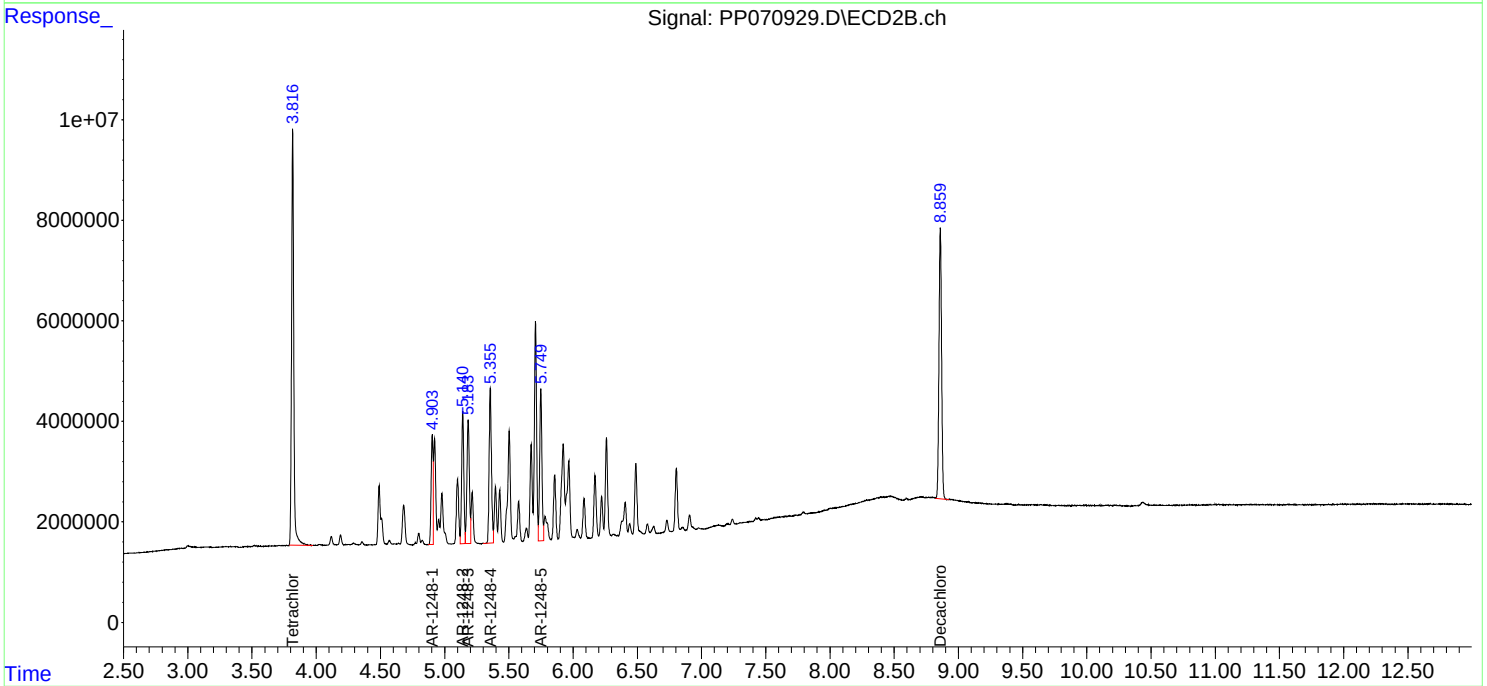
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:49
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

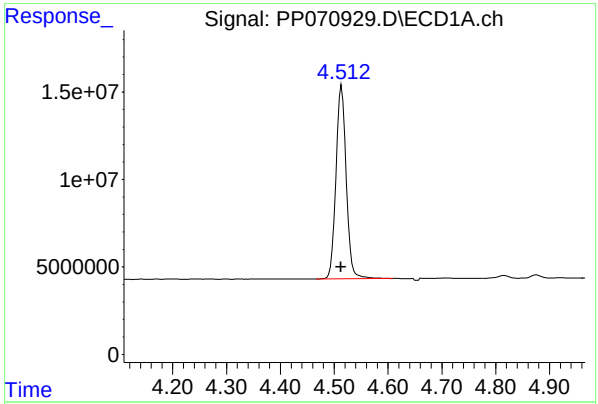
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:45:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



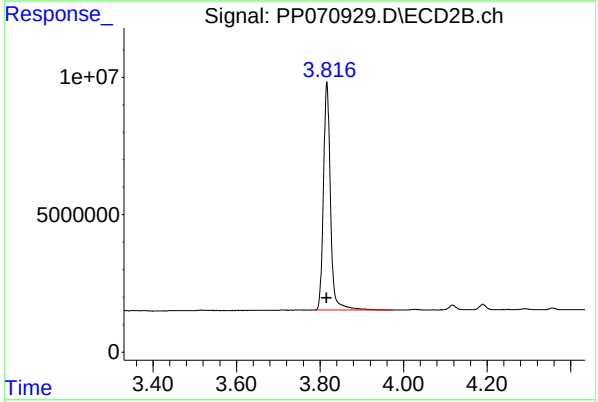






#1 Tetrachloro-m-xylene

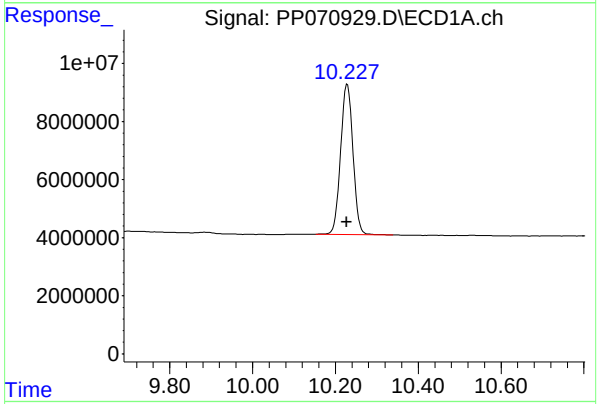
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 146218105
Conc: 94.39 ng/ml

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



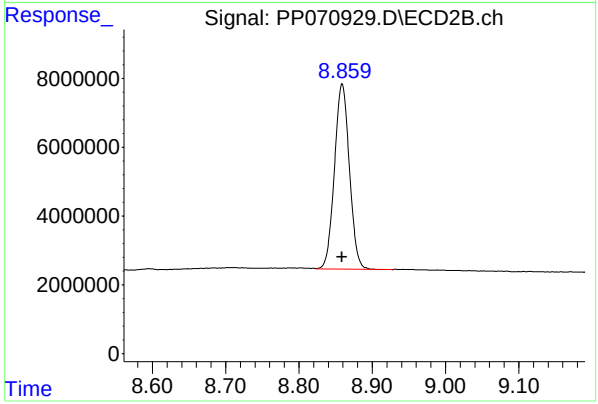

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 96952216
Conc: 85.18 ng/ml



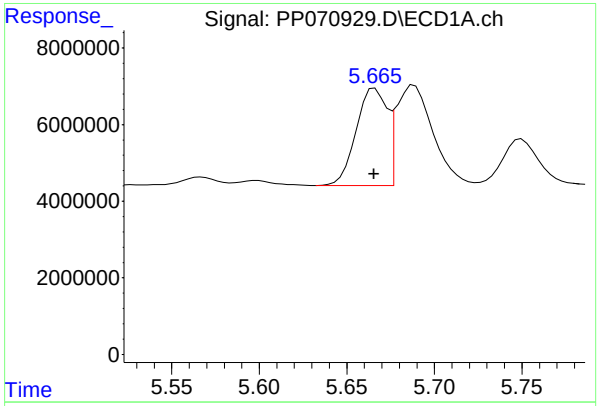

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.002 min
Response: 107201730
Conc: 88.95 ng/ml




#2 Decachlorobiphenyl

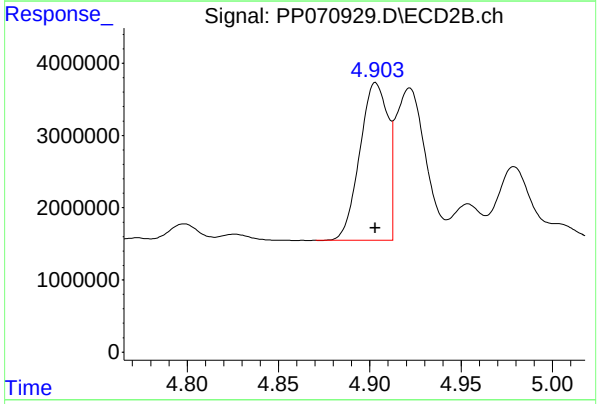
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 76343240
Conc: 92.30 ng/ml




#21 AR-1248-1

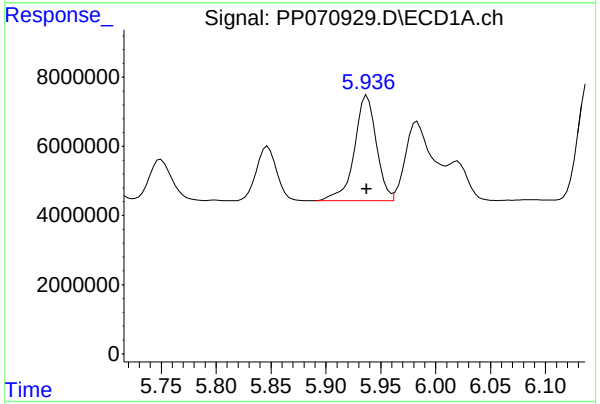
R.T.: 5.666 min
Delta R.T.: 0.000 mi
Response: 31141042
Conc: 921.84 ng/m

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



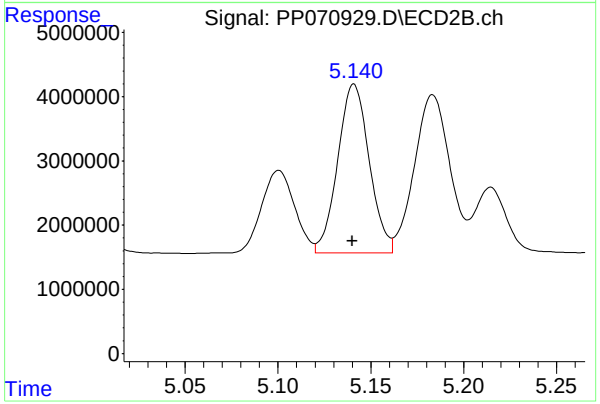

#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 23297586
Conc: 817.42 ng/ml



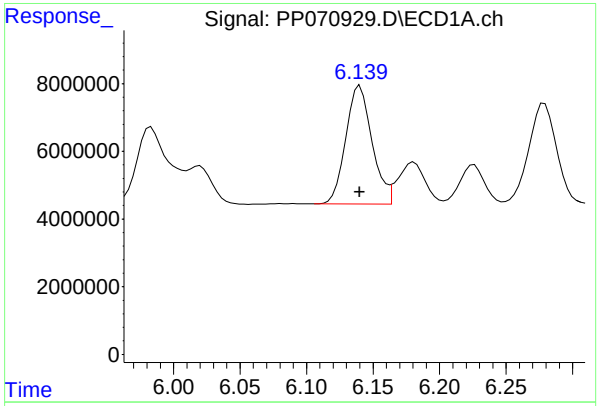

#22 AR-1248-2

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 42399779
Conc: 917.90 ng/ml




#22 AR-1248-2

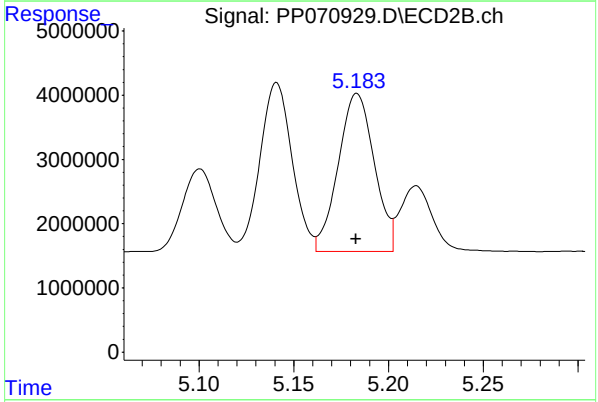
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 31071420
Conc: 811.81 ng/ml




#23 AR-1248-3

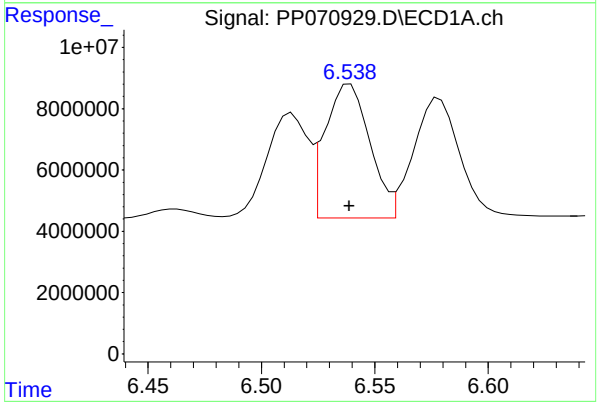
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 48055172
Conc: 927.26 ng/ml

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



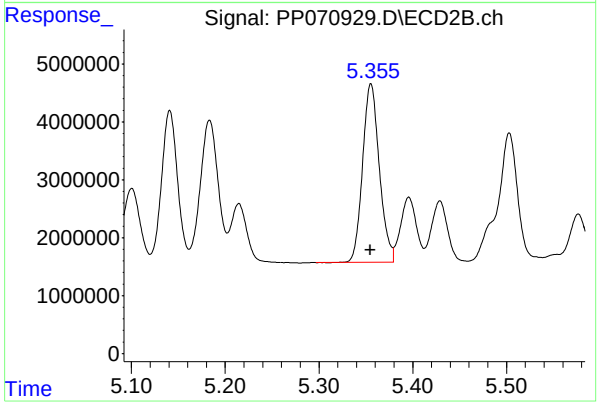

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 32592570
Conc: 815.55 ng/ml



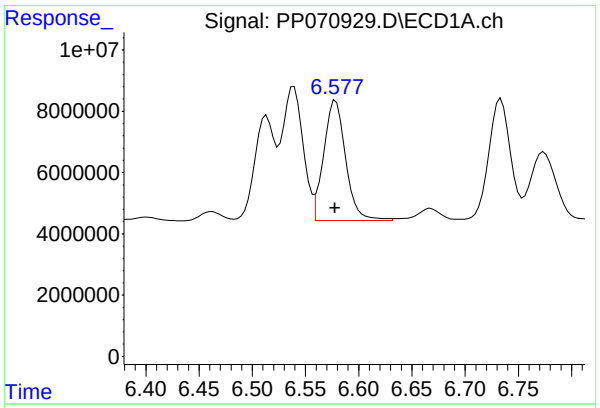

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 59878410
Conc: 893.18 ng/ml




#24 AR-1248-4

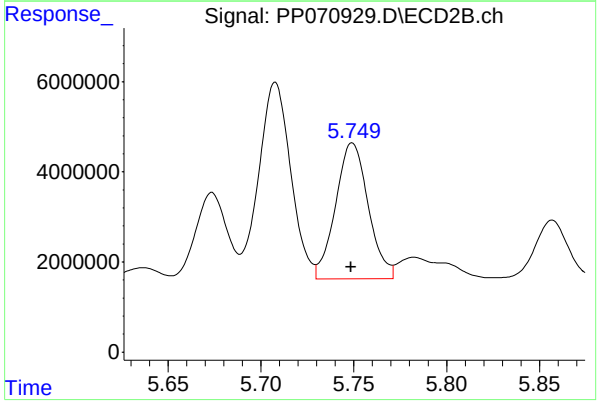
R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 38114246
Conc: 807.82 ng/ml




#25 AR-1248-5

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 56652876
Conc: 881.26 ng/ml

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




#25 AR-1248-5

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 37031094
Conc: 843.05 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:05
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.514 | 3.816 | 115.8E6 | 78436191 | 74.760 | 68.915 |
| 2) | SA Decachlor... | 10.229 | 8.860 | 84334663 | 61664461 | 69.979 | 74.555 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.666 | 4.903 | 25034469 | 20052758 | 741.070 | 703.575 |
| 22) | L5 AR-1248-2 | 5.938 | 5.141 | 33734311 | 26938678 | 730.302 | 703.829 |
| 23) | L5 AR-1248-3 | 6.140 | 5.183 | 38083098 | 28275820 | 734.840 | 707.530 |
| 24) | L5 AR-1248-4 | 6.539 | 5.356 | 47603456 | 32558799 | 710.077 | 690.072 |
| 25) | L5 AR-1248-5 | 6.578 | 5.749 | 45378306 | 30836259 | 705.880 | 702.016 |

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

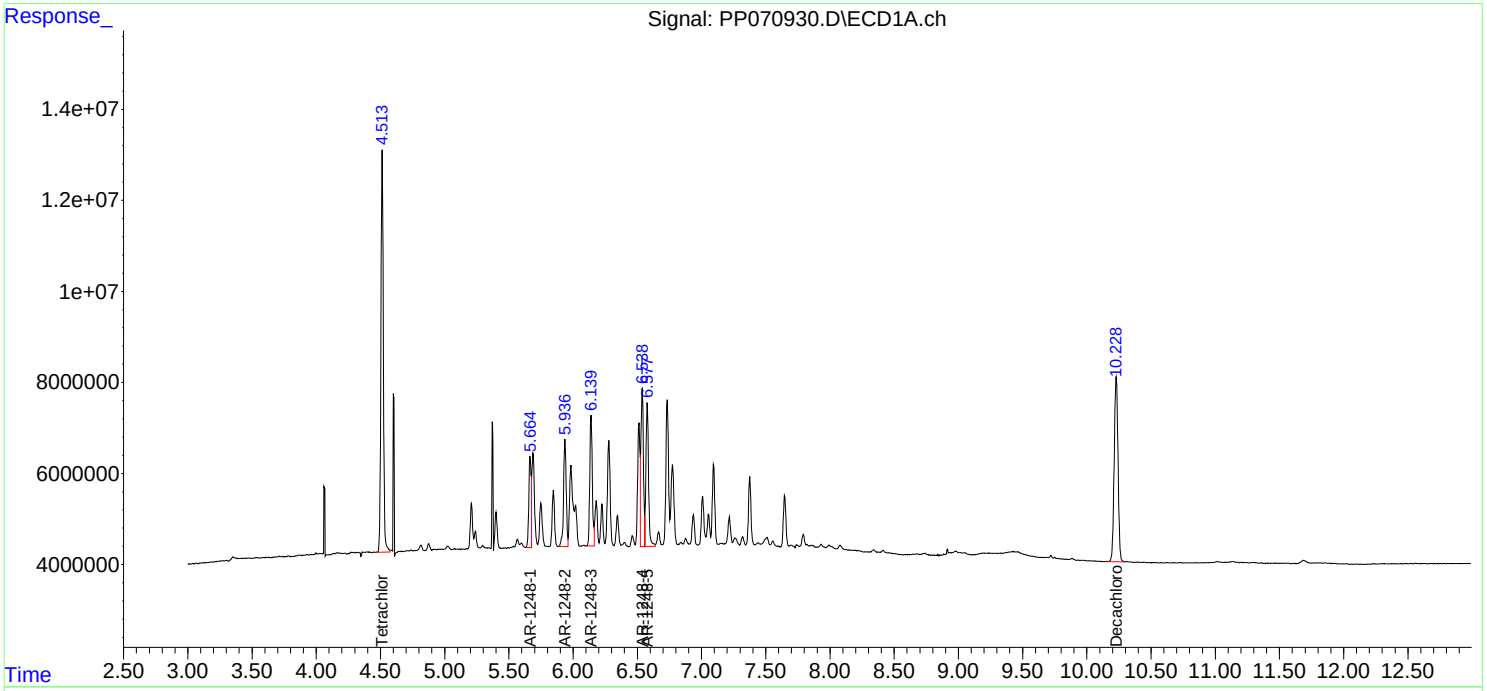
ICAL Form

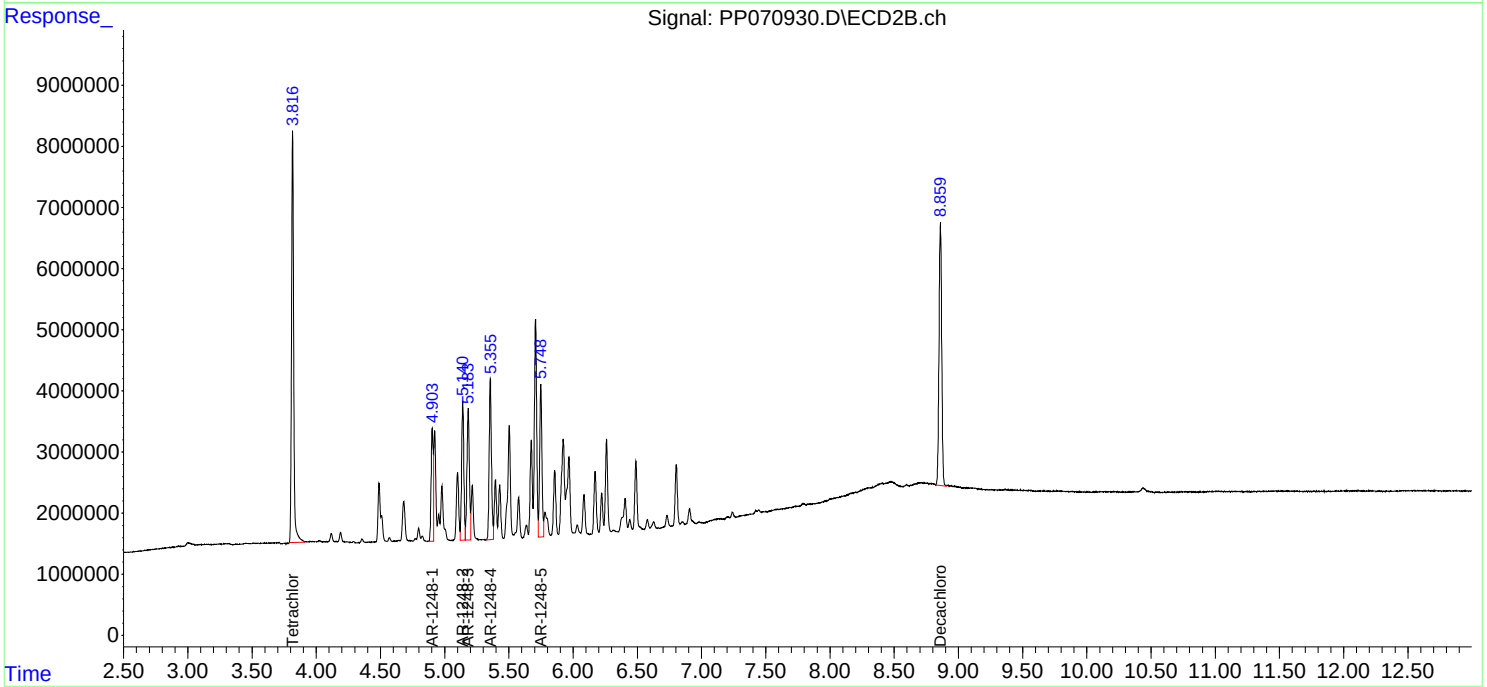
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:05
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

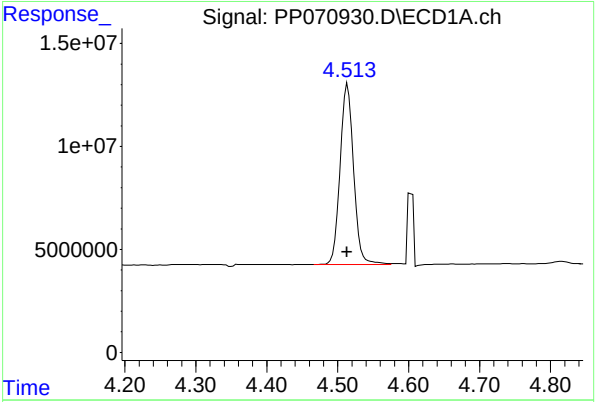
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



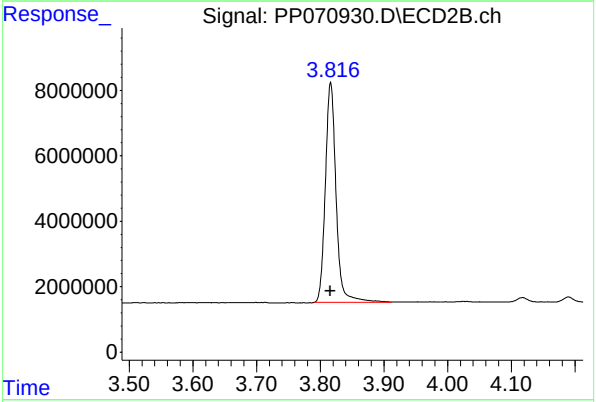






#1 Tetrachloro-m-xylene

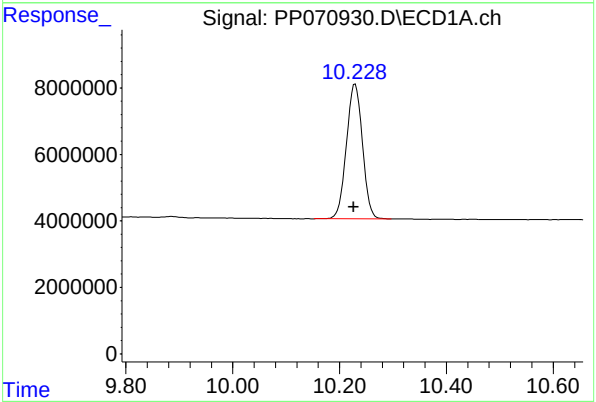
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 115806846
Conc: 74.76 ng/ml

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



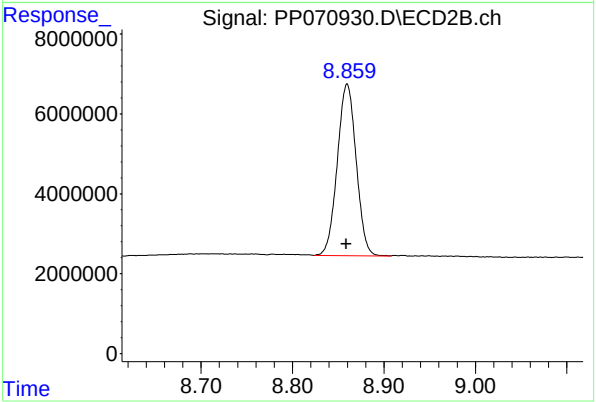

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 78436191
Conc: 68.91 ng/ml



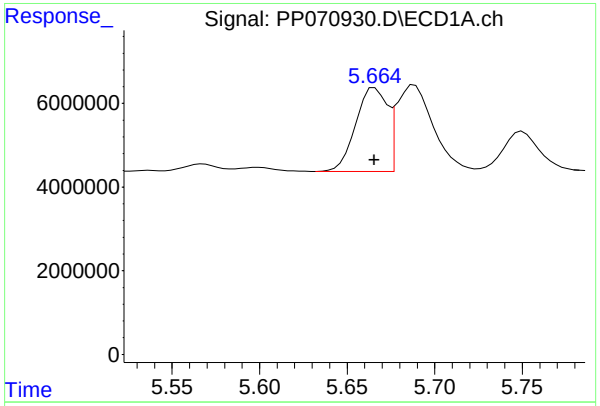

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 84334663
Conc: 69.98 ng/ml




#2 Decachlorobiphenyl

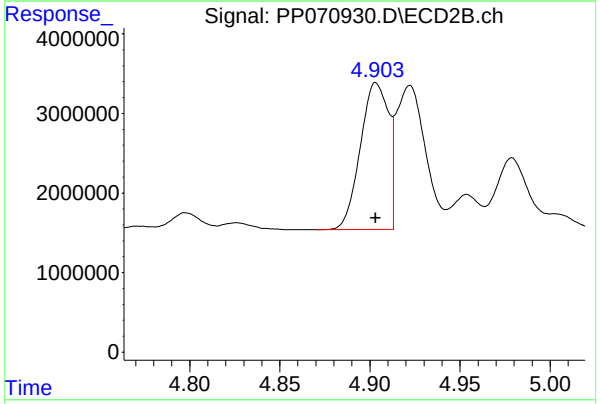
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 61664461
Conc: 74.56 ng/ml




#21 AR-1248-1

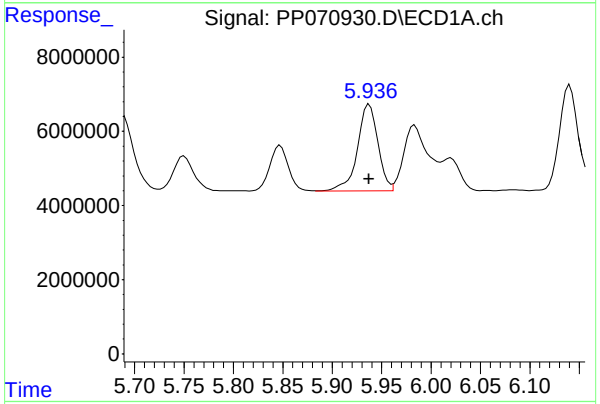
R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 25034469
Conc: 741.07 ng/ml

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



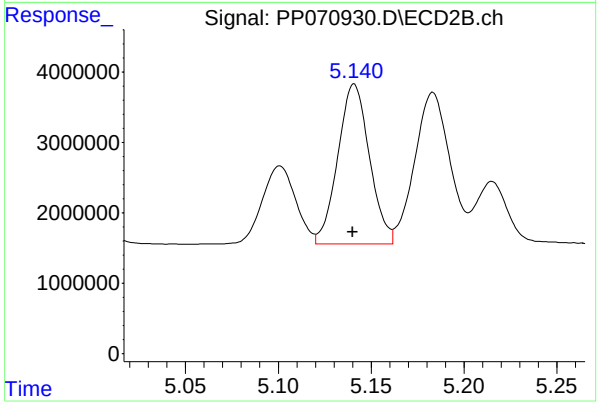

#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 20052758
Conc: 703.57 ng/ml



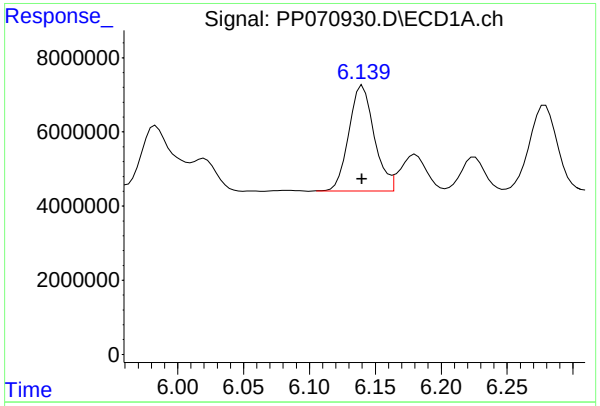

#22 AR-1248-2

R.T.: 5.938 min
Delta R.T.: 0.000 min
Response: 33734311
Conc: 730.30 ng/ml




#22 AR-1248-2

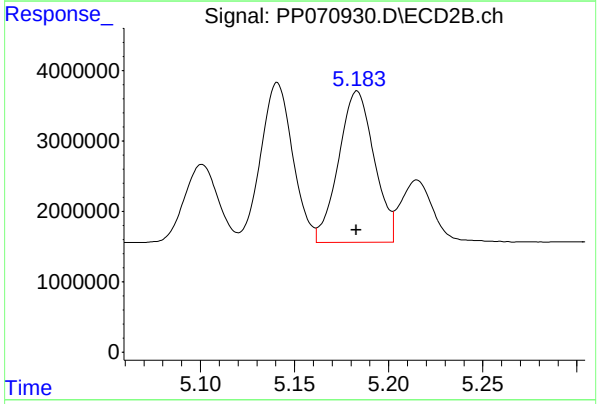
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 26938678
Conc: 703.83 ng/ml




#23 AR-1248-3

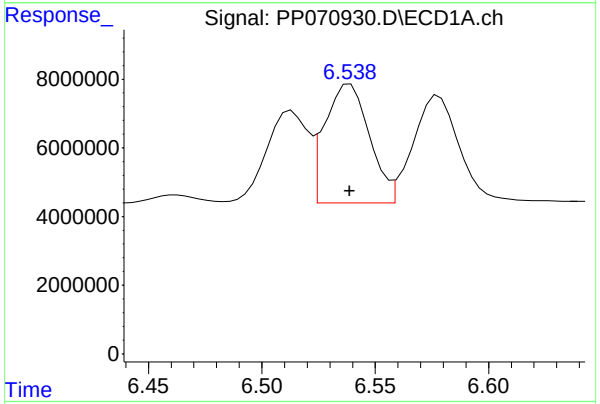
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 38083098
Conc: 734.84 ng/ml

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



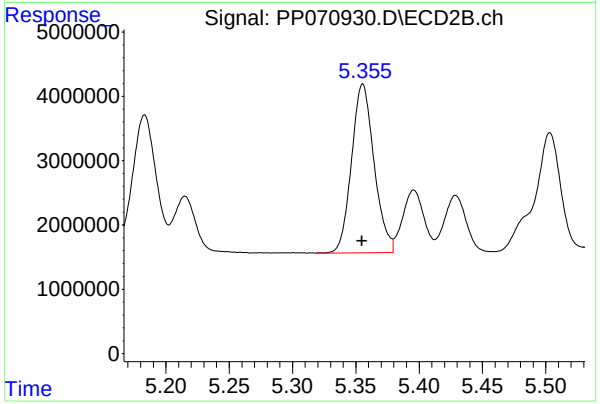

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 28275820
Conc: 707.53 ng/ml



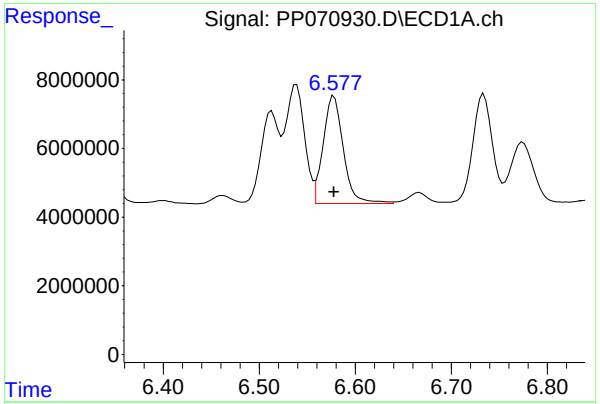

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 47603456
Conc: 710.08 ng/ml




#24 AR-1248-4

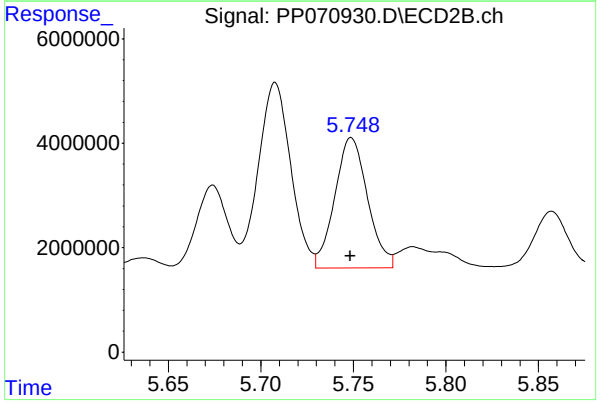
R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 32558799
Conc: 690.07 ng/ml




#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 45378306
Conc: 705.88 ng/ml

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




#25 AR-1248-5

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 30836259
Conc: 702.02 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:22
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.513 | 3.816 | 77451968 | 56907988 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.226 | 8.859 | 60256834 | 41354865 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.665 | 4.903 | 16890769 | 14250625 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 5.937 | 5.140 | 23096128 | 19137230 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 6.140 | 5.183 | 25912526 | 19982060 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 6.539 | 5.355 | 33519946 | 23590888 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 6.578 | 5.748 | 32143070 | 21962659 | 500.000 | 500.000 |

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

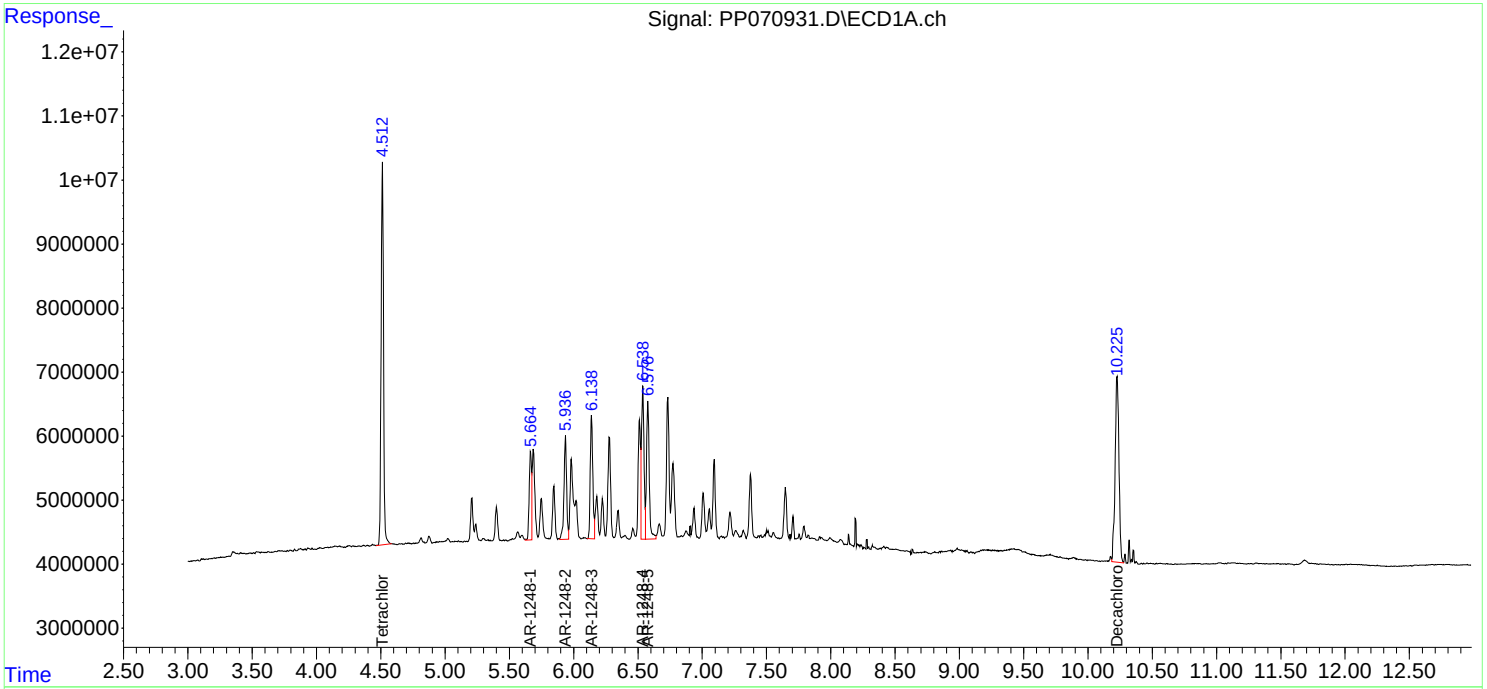
ICAL Form

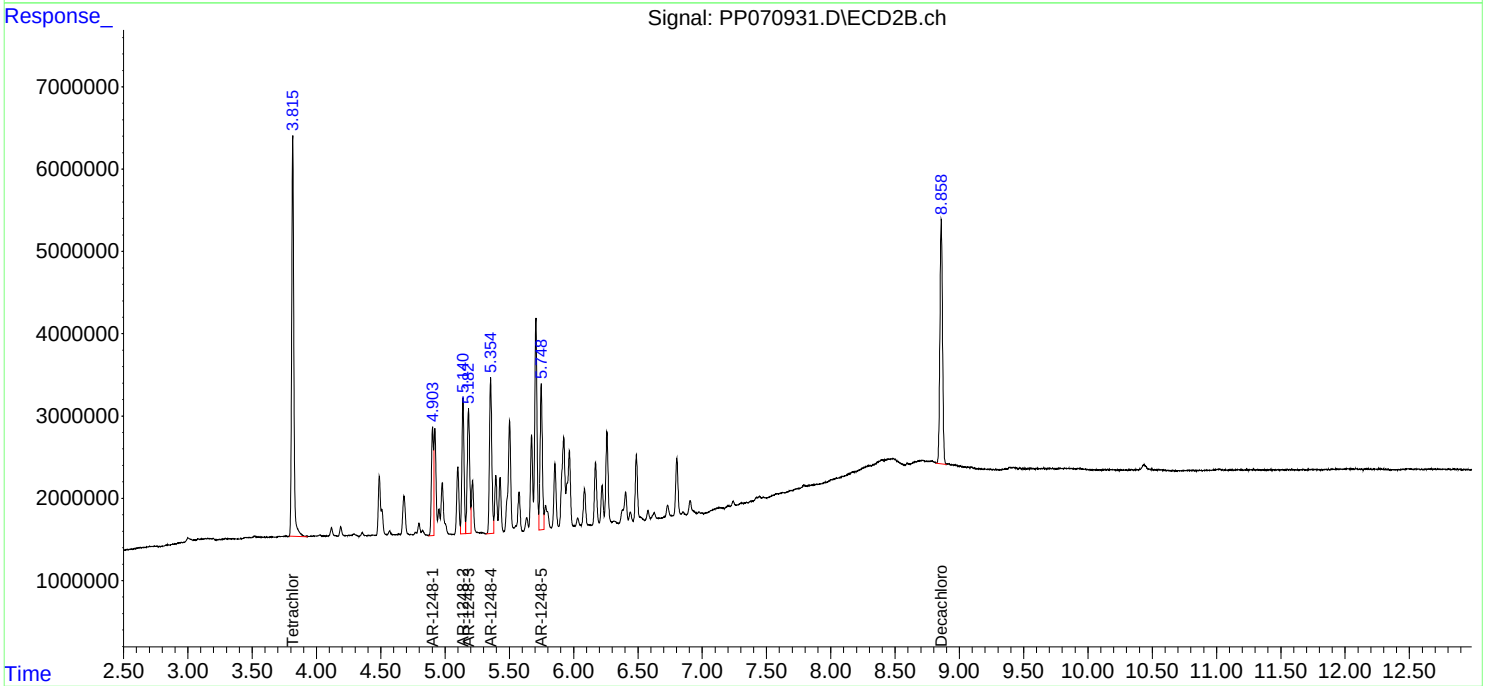
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:22
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

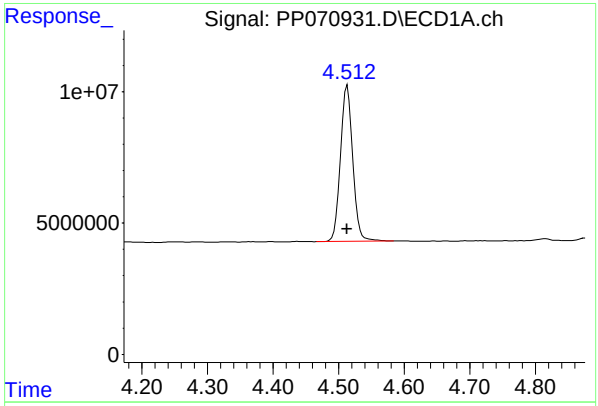
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 14:46:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 14:45:17 2025
Response via : Initial Calibration
Integrator: ChemStation

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



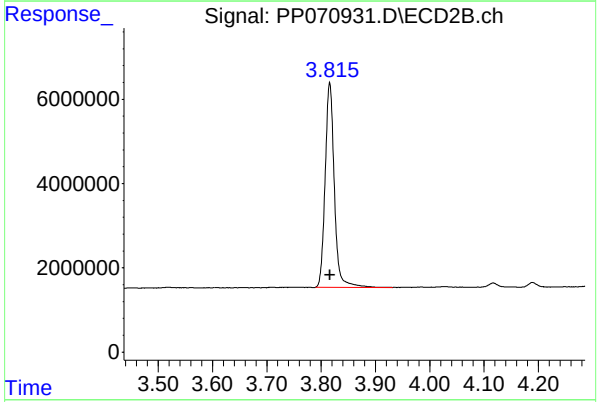






#1 Tetrachloro-m-xylene

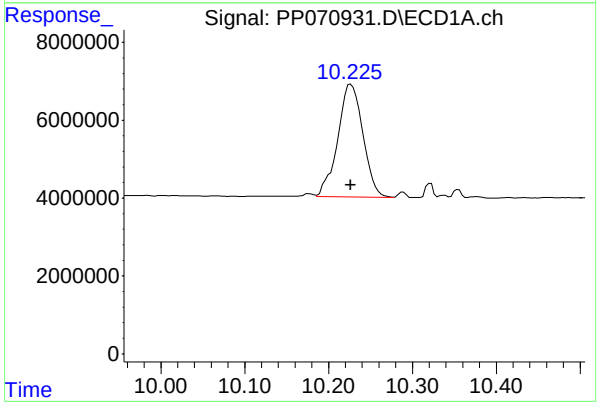
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 77451968
Conc: 50.00 ng/ml

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



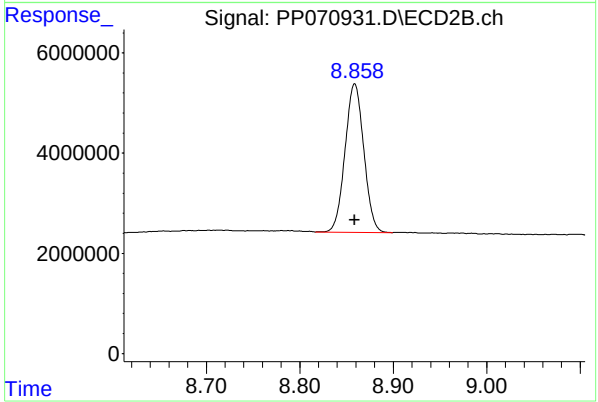

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 56907988
Conc: 50.00 ng/ml



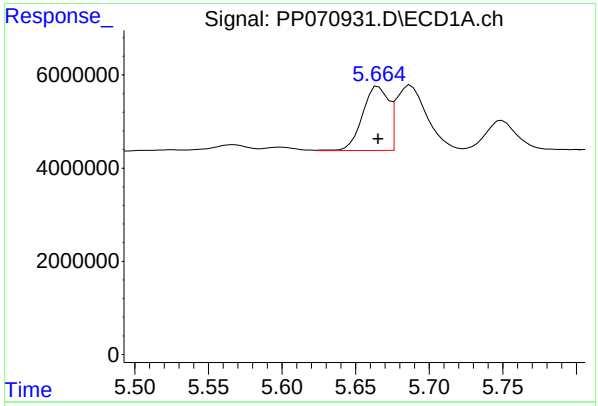

#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 60256834
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

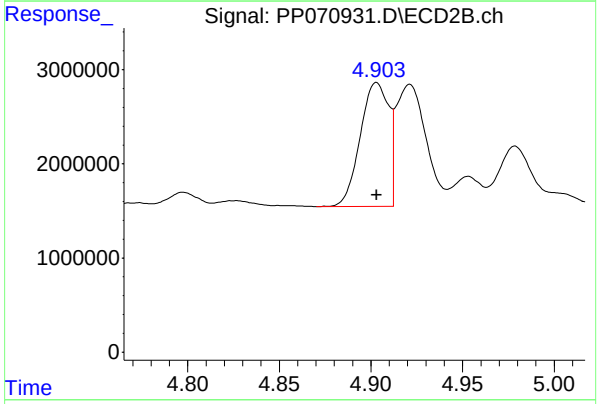
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 41354865
Conc: 50.00 ng/ml




#21 AR-1248-1

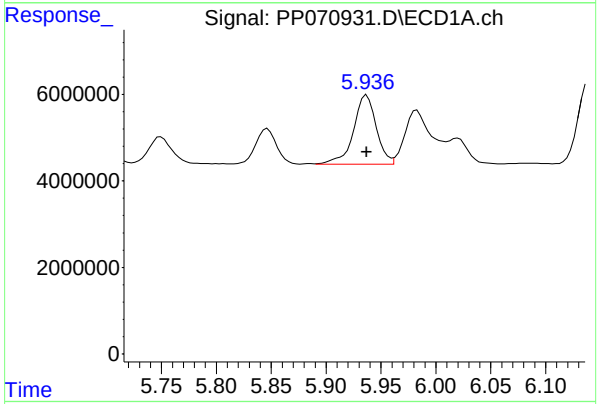
R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 16890769
Conc: 500.00 ng/ml

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



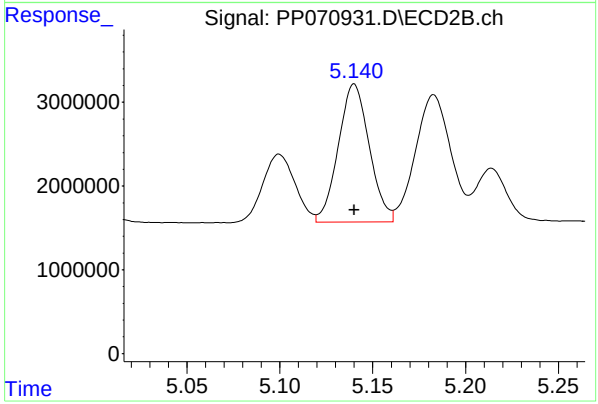

#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 14250625
Conc: 500.00 ng/ml



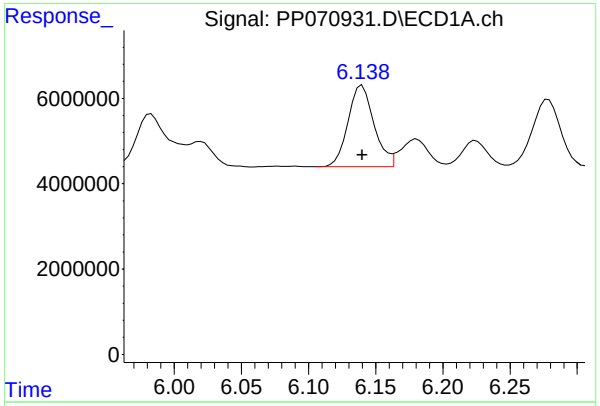

#22 AR-1248-2

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 23096128
Conc: 500.00 ng/ml




#22 AR-1248-2

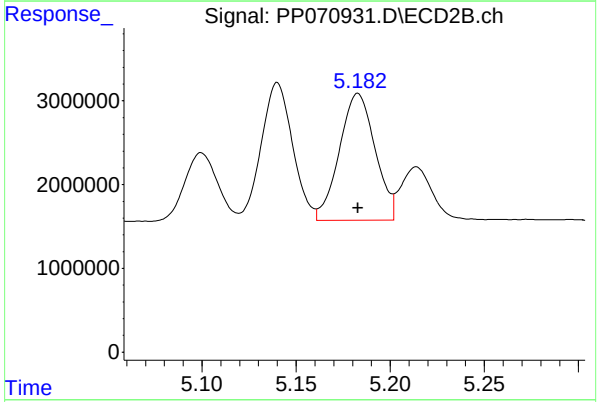
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 19137230
Conc: 500.00 ng/ml




#23 AR-1248-3

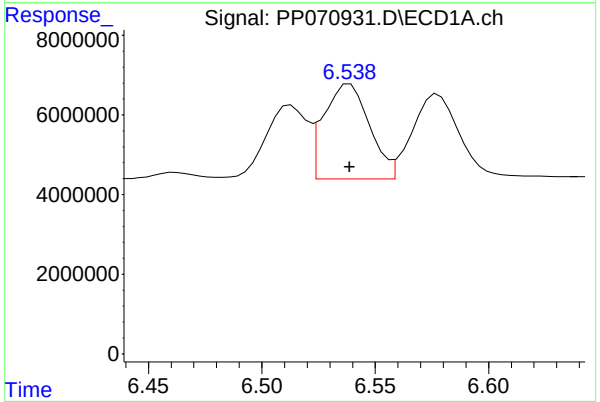
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 25912526
Conc: 500.00 ng/ml

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



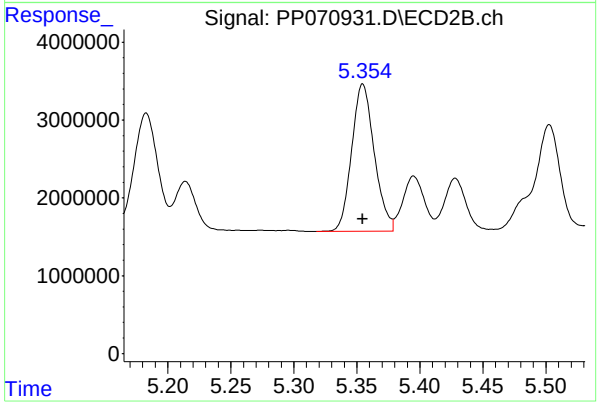

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 19982060
Conc: 500.00 ng/ml



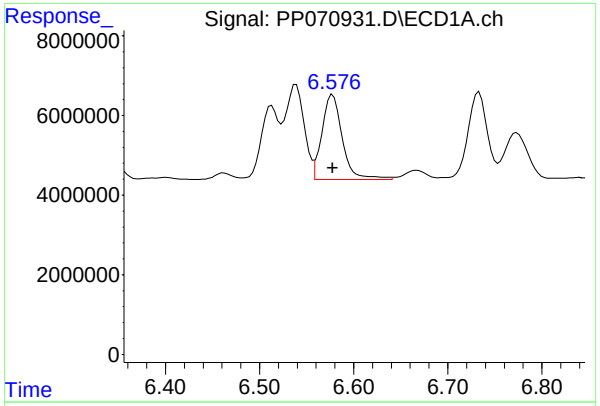

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 33519946
Conc: 500.00 ng/ml




#24 AR-1248-4

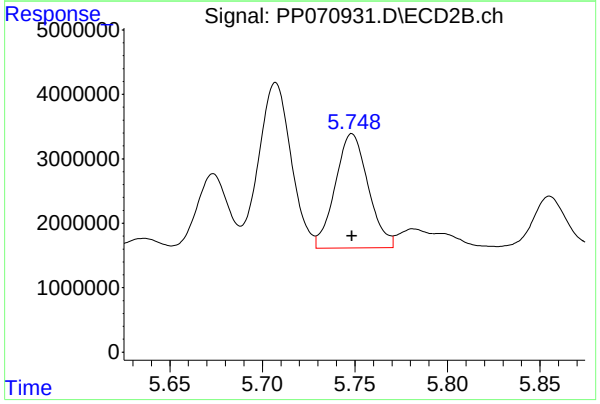
R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 23590888
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 32143070
Conc: 500.00 ng/ml

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




#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 21962659
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:38
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.517 | 3.817 | 38987130 | 27101787 | 25.676 | 25.783 |
| 2) | SA Decachlor... | 10.232 | 8.860 | 29177292 | 20157827 | 25.732 | 25.064 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.672 | 4.904 | 11497190 | 7301885 | 350.874 | 278.926 |
| 22) | L5 AR-1248-2 | 5.941 | 5.141 | 11780544 | 9675655 | 264.590 | 275.754 |
| 23) | L5 AR-1248-3 | 6.144 | 5.184 | 12674295 | 10119428 | 252.379 | 275.339 |
| 24) | L5 AR-1248-4 | 6.543 | 5.356 | 18357259 | 12061061 | 289.258 | 281.127 |
| 25) | L5 AR-1248-5 | 6.582 | 5.750 | 17129846 | 11658567 | 283.226 | 286.518 |

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

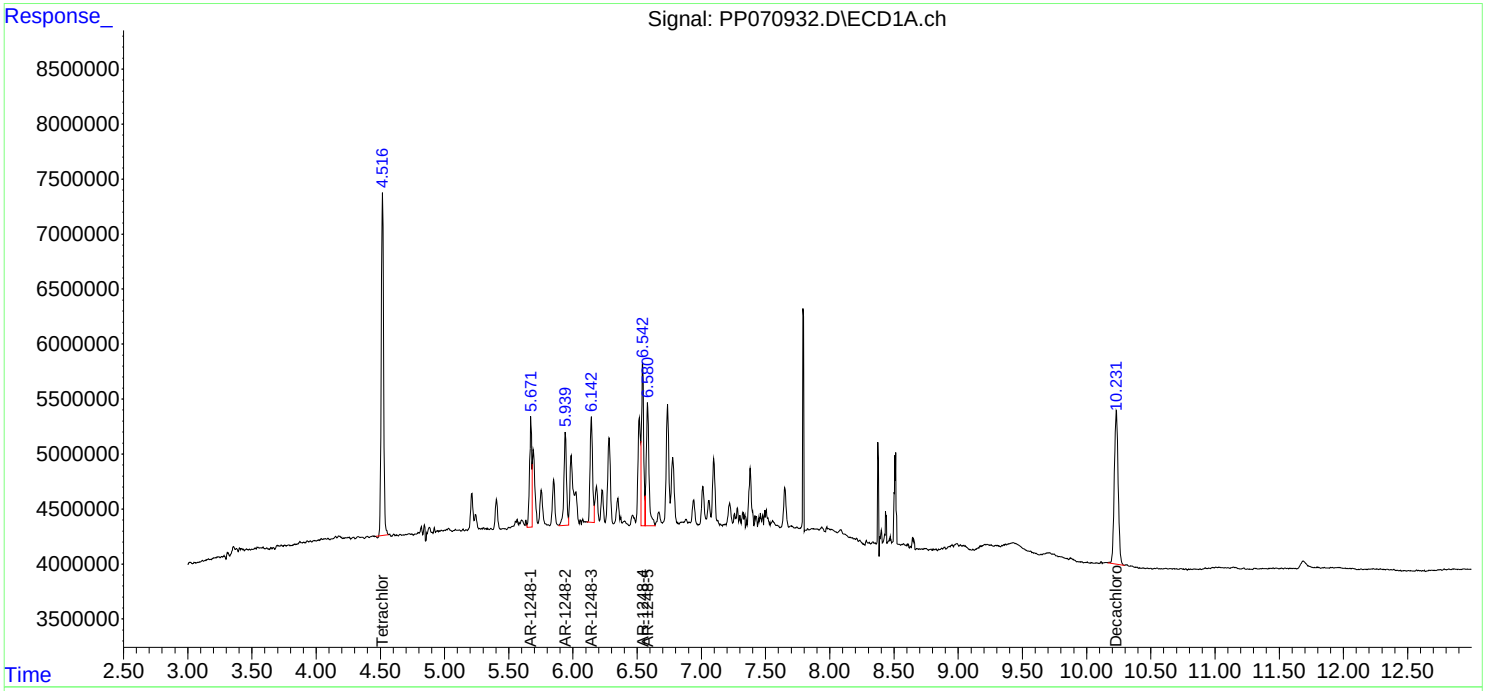
ICAL Form

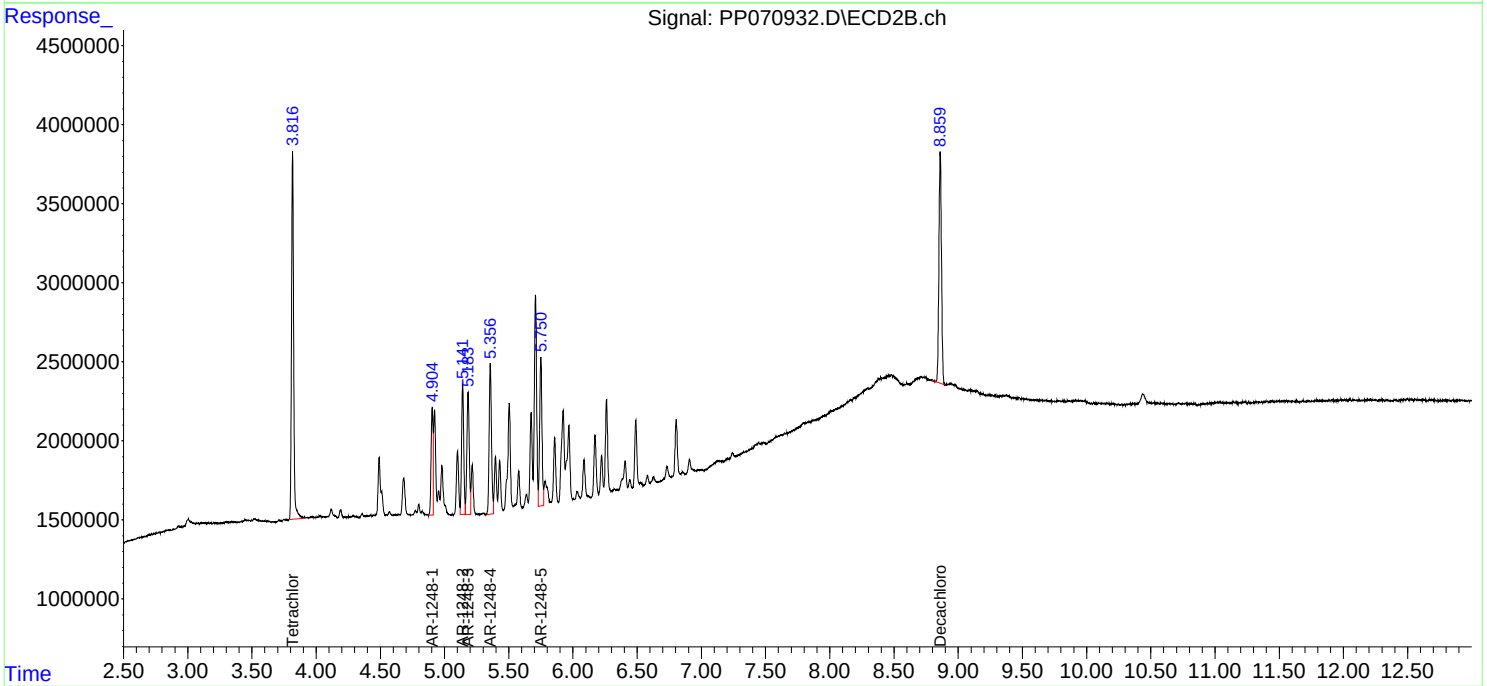
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:38
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

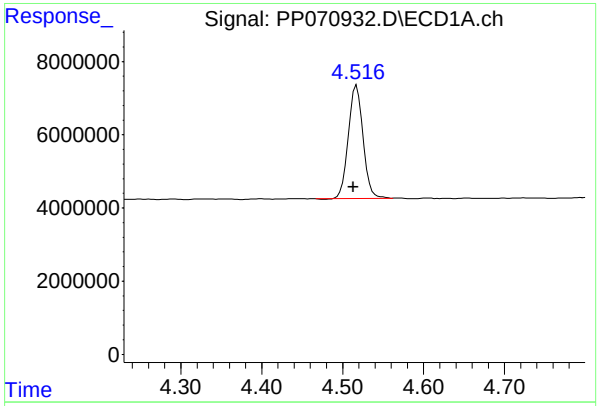
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:07:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



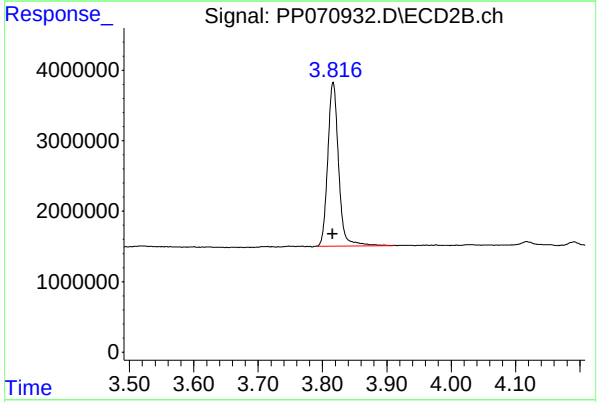






#1 Tetrachloro-m-xylene

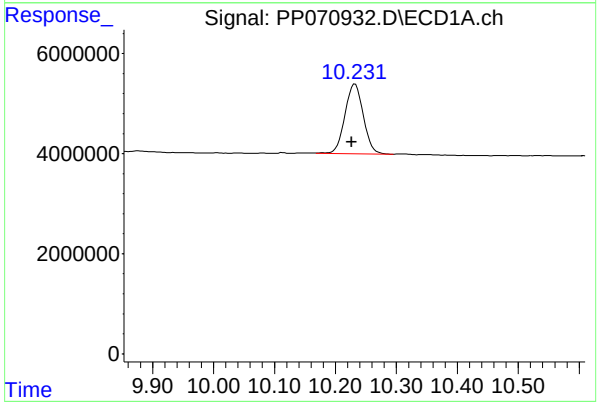
R.T.: 4.517 min
Delta R.T.: 0.004 min
Response: 38987130
Conc: 25.68 ng/ml

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



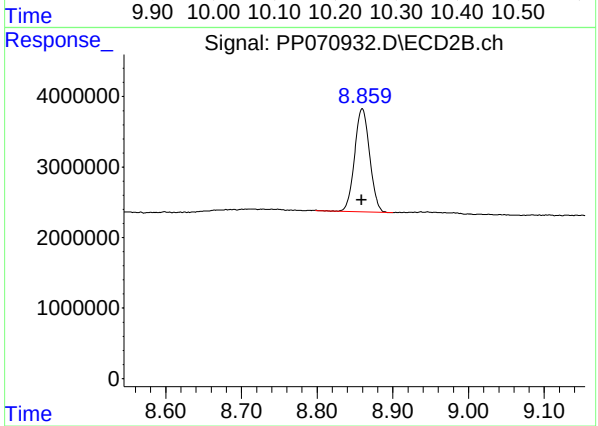

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 27101787
Conc: 25.78 ng/ml



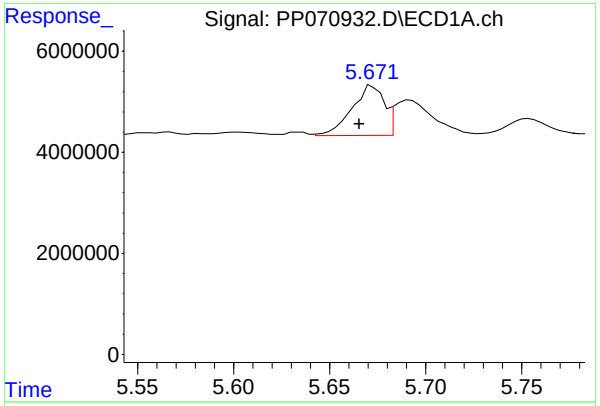

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.006 min
Response: 29177292
Conc: 25.73 ng/ml




#2 Decachlorobiphenyl

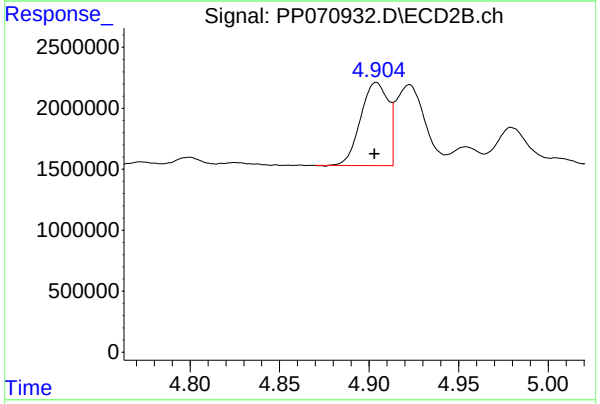
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 20157827
Conc: 25.06 ng/ml




#21 AR-1248-1

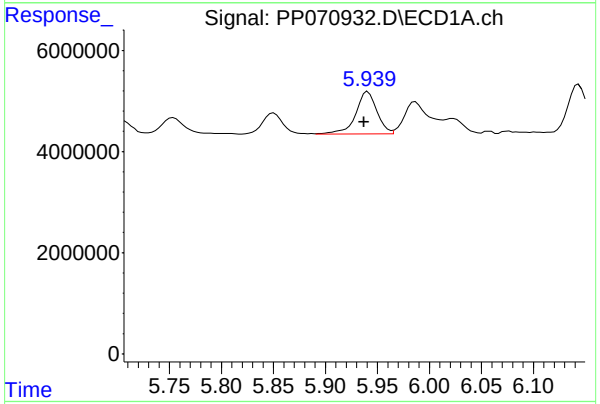
R.T.: 5.672 min
Delta R.T.: 0.007 min
Response: 11497190
Conc: 350.87 ng/ml

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



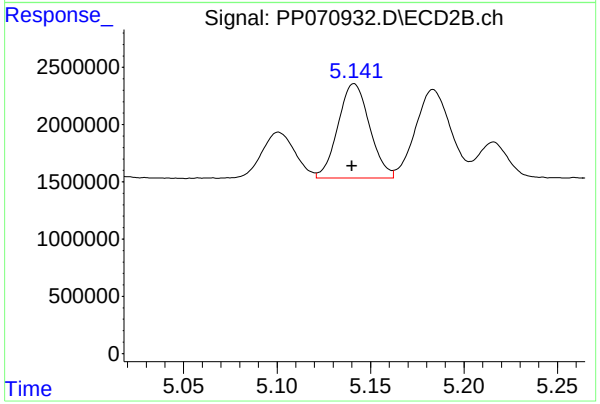

#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.000 min
Response: 7301885
Conc: 278.93 ng/ml



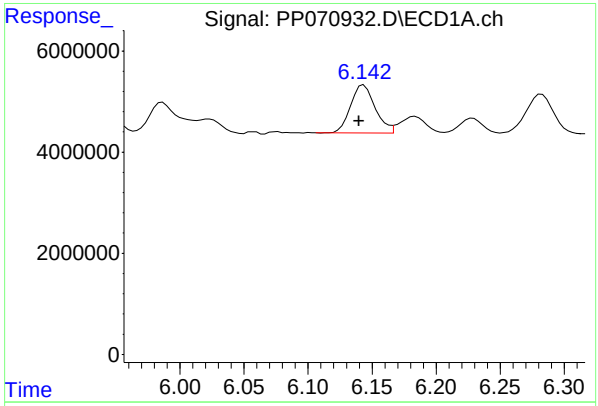

#22 AR-1248-2

R.T.: 5.941 min
Delta R.T.: 0.004 min
Response: 11780544
Conc: 264.59 ng/ml




#22 AR-1248-2

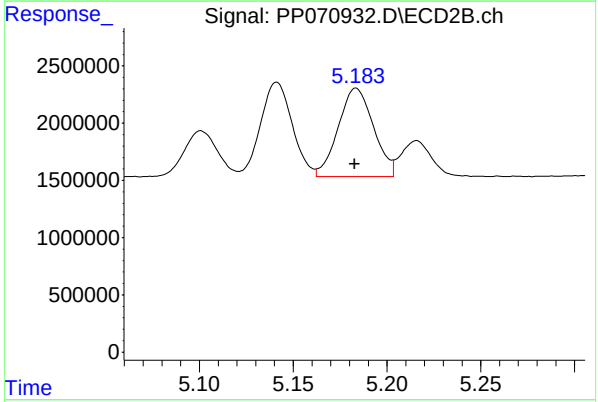
R.T.: 5.141 min
Delta R.T.: 0.001 min
Response: 9675655
Conc: 275.75 ng/ml




#23 AR-1248-3

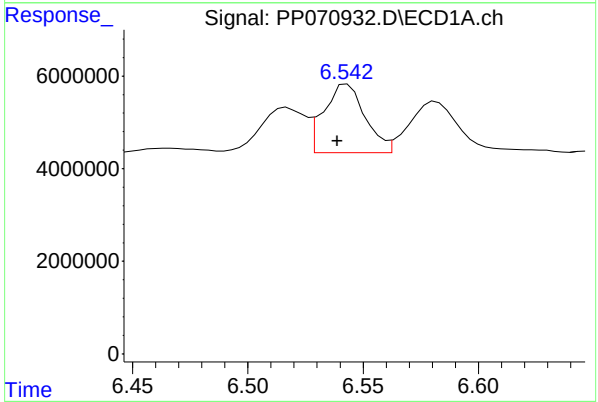
R.T.: 6.144 min
Delta R.T.: 0.004 min
Response: 12674295
Conc: 252.38 ng/ml

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



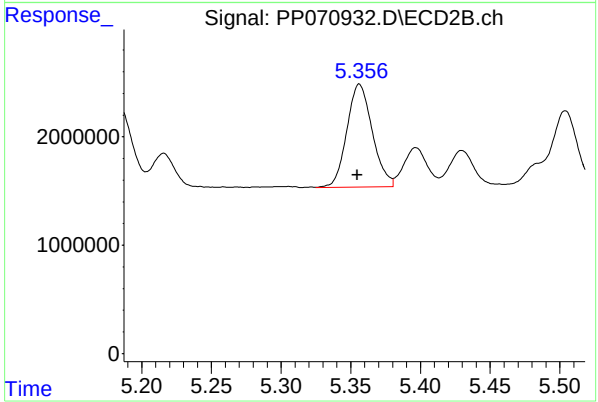

#23 AR-1248-3

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 10119428
Conc: 275.34 ng/ml



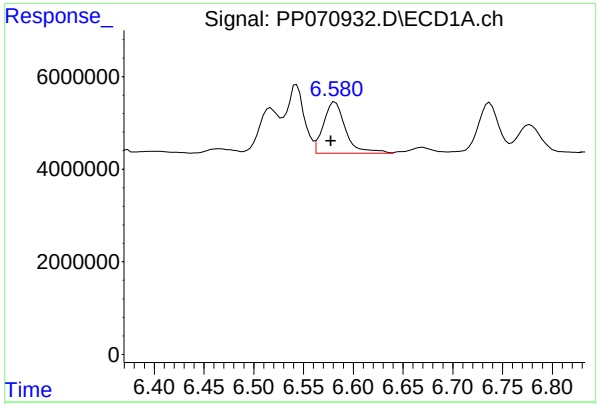

#24 AR-1248-4

R.T.: 6.543 min
Delta R.T.: 0.004 min
Response: 18357259
Conc: 289.26 ng/ml




#24 AR-1248-4

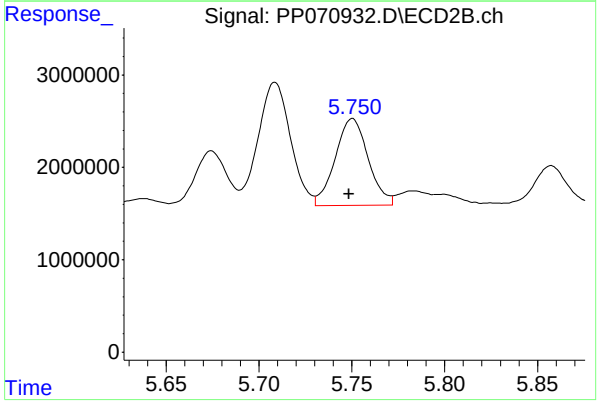
R.T.: 5.356 min
Delta R.T.: 0.002 min
Response: 12061061
Conc: 281.13 ng/ml




#25 AR-1248-5

R.T.: 6.582 min
Delta R.T.: 0.004 min
Response: 17129846
Conc: 283.23 ng/ml

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




#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 11658567
Conc: 286.52 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.513 | 3.815 | 7324663 | 5848649 | 4.791 | 5.521 |
| 2) SA | Decachlor... | 10.227 | 8.859 | 5549589 | 3661642 | 4.859 | 4.550 |
| | Target Compounds | | | | | | |
| 21) L5 | AR-1248-1 | 5.665 | 4.902 | 1857345 | 1382826 | 51.489 | 51.338 |
| 22) L5 | AR-1248-2 | 5.935 | 5.140 | 2199982 | 1982278 | 48.701m | 55.076 |
| 23) L5 | AR-1248-3 | 6.137 | 5.182 | 2591630 | 2128069 | 51.484m | 56.472 |
| 24) L5 | AR-1248-4 | 6.536 | 5.354 | 2845967 | 2437650 | 43.150m | 55.103 # |
| 25) L5 | AR-1248-5 | 6.576 | 5.748 | 2713422 | 2234402 | 43.421m | 52.978 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

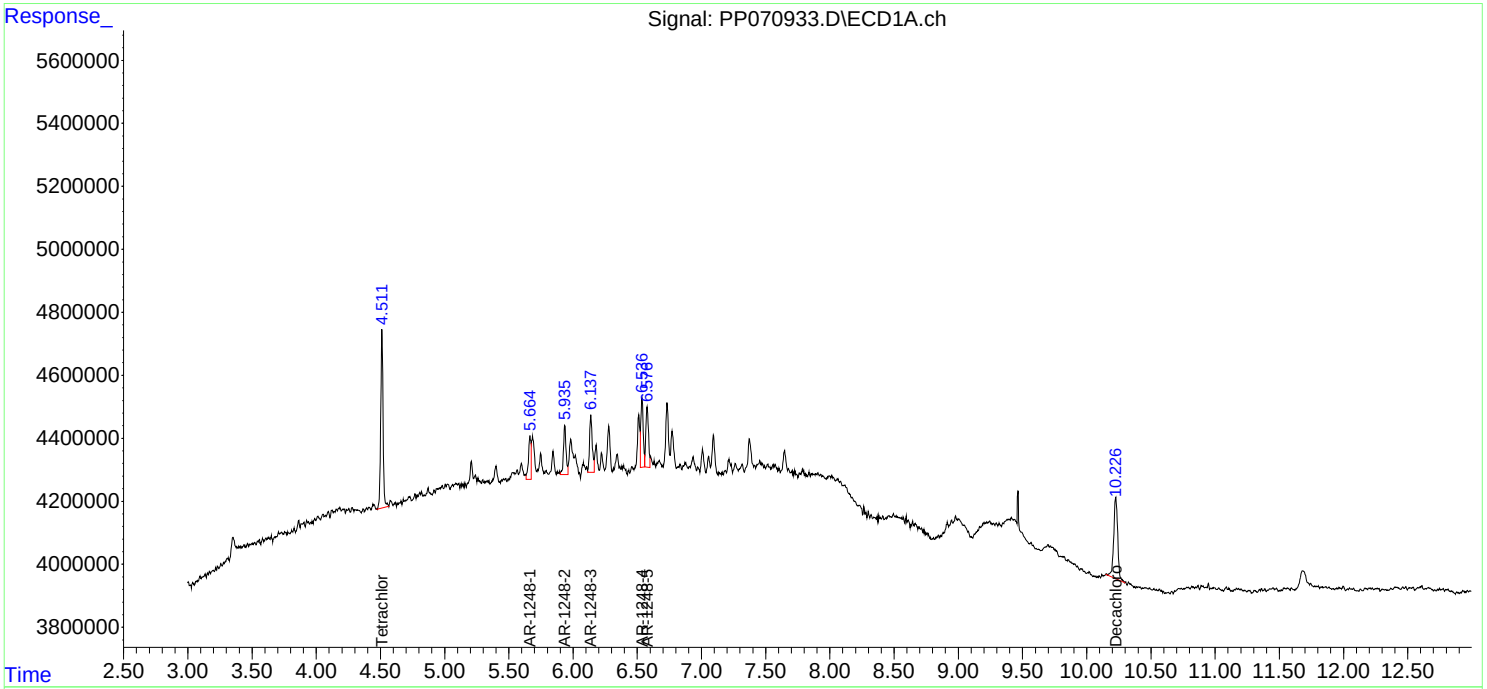
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

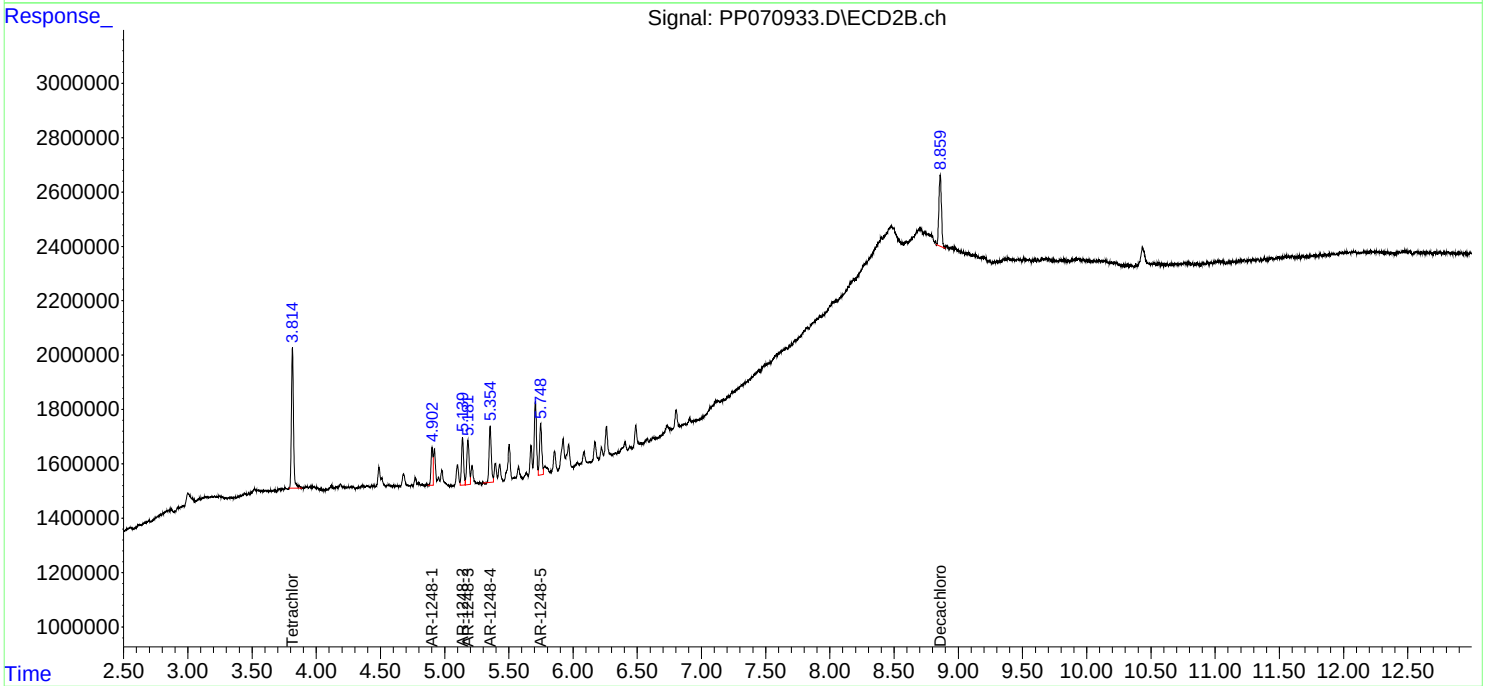
**Manual Integrations APPROVED**

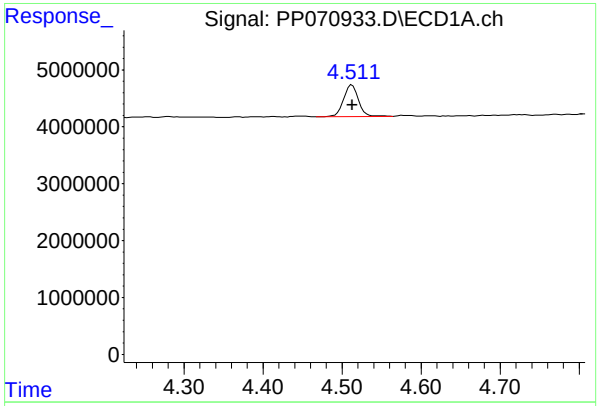
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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





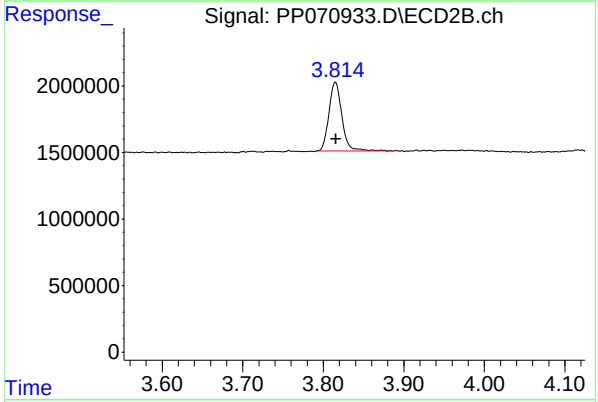

#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 7324663
Conc: 4.79 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

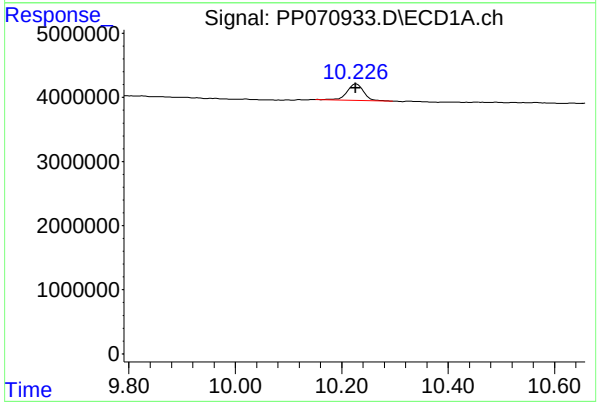
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



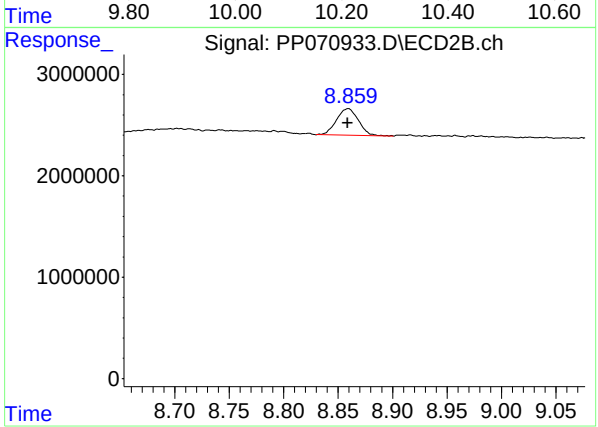

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5848649
Conc: 5.52 ng/ml



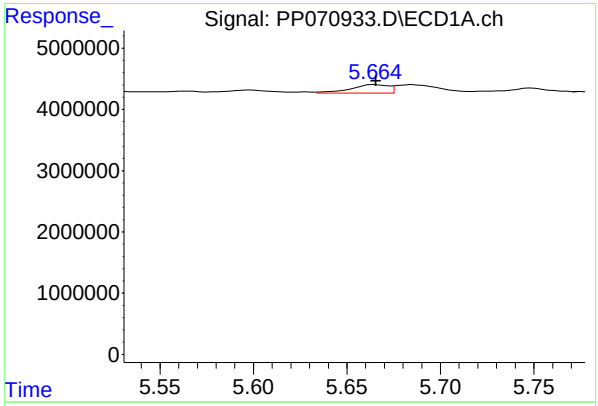

#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.000 min
Response: 5549589
Conc: 4.86 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 3661642
Conc: 4.55 ng/ml



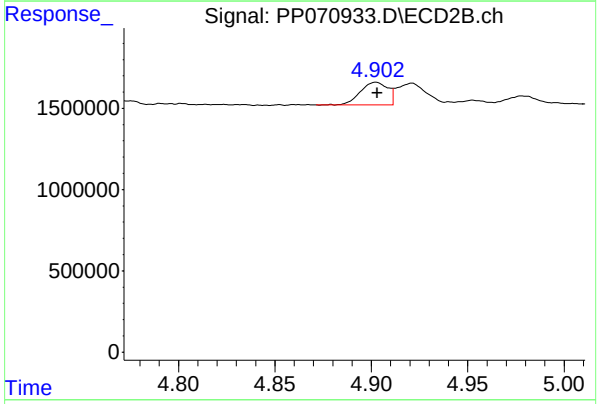

#21 AR-1248-1

R.T.: 5.665 min
Delta R.T.: 0.000 mi
Response: 1857345
Conc: 51.49 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

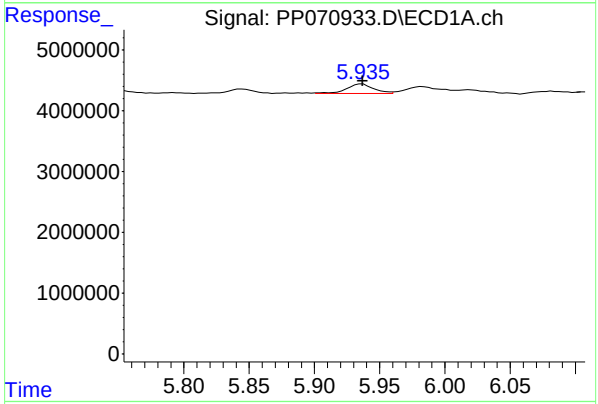
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



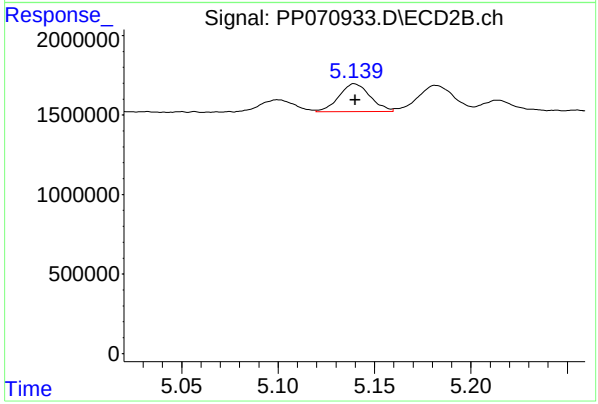

#21 AR-1248-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1382826
Conc: 51.34 ng/ml



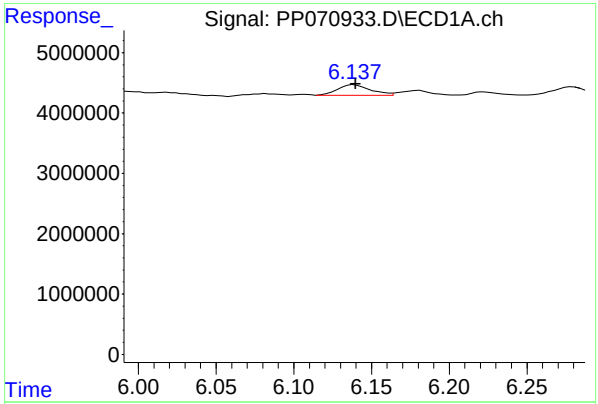

#22 AR-1248-2

R.T.: 5.935 min
Delta R.T.: -0.002 min
Response: 2199982
Conc: 48.70 ng/ml m




#22 AR-1248-2

R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1982278
Conc: 55.08 ng/ml



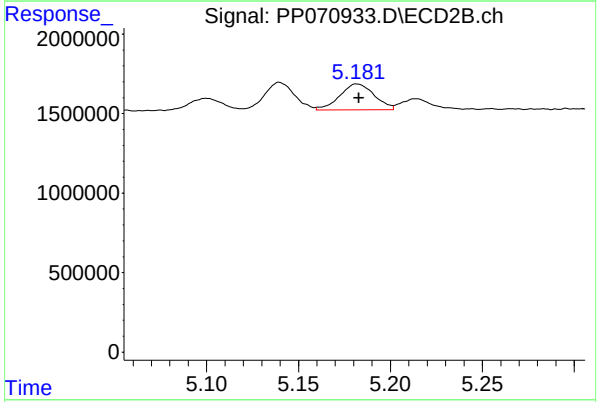

#23 AR-1248-3

R.T.: 6.137 min
Delta R.T.: -0.002 mi
Response: 2591630
Conc: 51.48 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

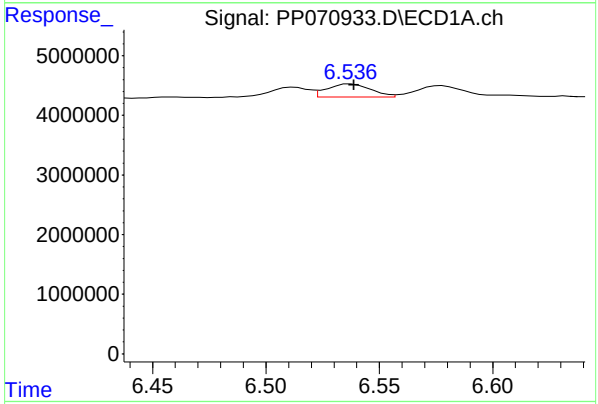
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



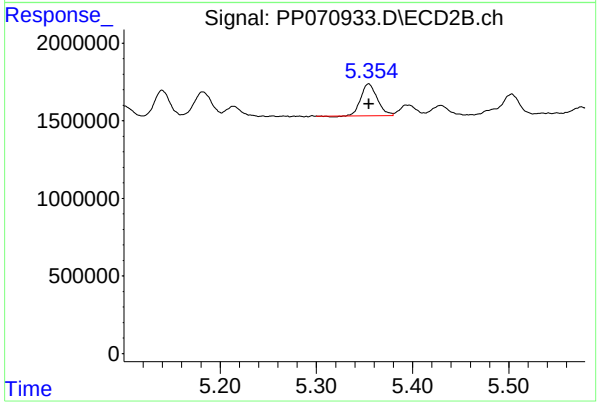

#23 AR-1248-3

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2128069
Conc: 56.47 ng/ml



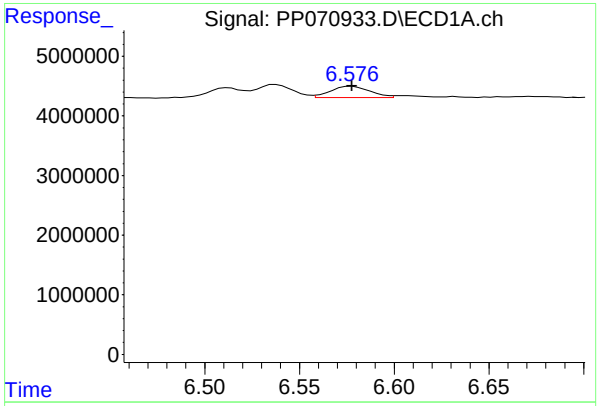

#24 AR-1248-4

R.T.: 6.536 min
Delta R.T.: -0.003 min
Response: 2845967
Conc: 43.15 ng/ml m




#24 AR-1248-4

R.T.: 5.354 min
Delta R.T.: 0.000 min
Response: 2437650
Conc: 55.10 ng/ml



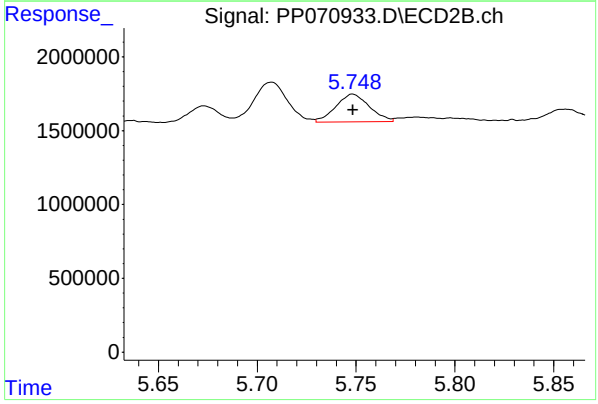

#25 AR-1248-5

R.T.: 6.576 min
Delta R.T.: -0.001 min
Response: 2713422
Conc: 43.42 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 2234402
Conc: 52.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 150.1E6 | 104.3E6 | 95.275 | 94.048 |
| 2) | SA Decachlor... | 10.231 | 8.860 | 109.5E6 | 78348381 | 93.754 | 86.018 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.516 | 5.709 | 60157506 | 58928147 | 918.830 | 891.736 |
| 27) | L6 AR-1254-2 | 6.732 | 5.857 | 92838442 | 50145967 | 911.948 | 882.952 |
| 28) | L6 AR-1254-3 | 7.095 | 6.261 | 92334650 | 77448562 | 928.765 | 882.456 |
| 29) | L6 AR-1254-4 | 7.379 | 6.490 | 84238161 | 49998215 | 970.458 | 893.353 |
| 30) | L6 AR-1254-5 | 7.792 | 6.908 | 74433164 | 65979008 | 920.580m | 918.596 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

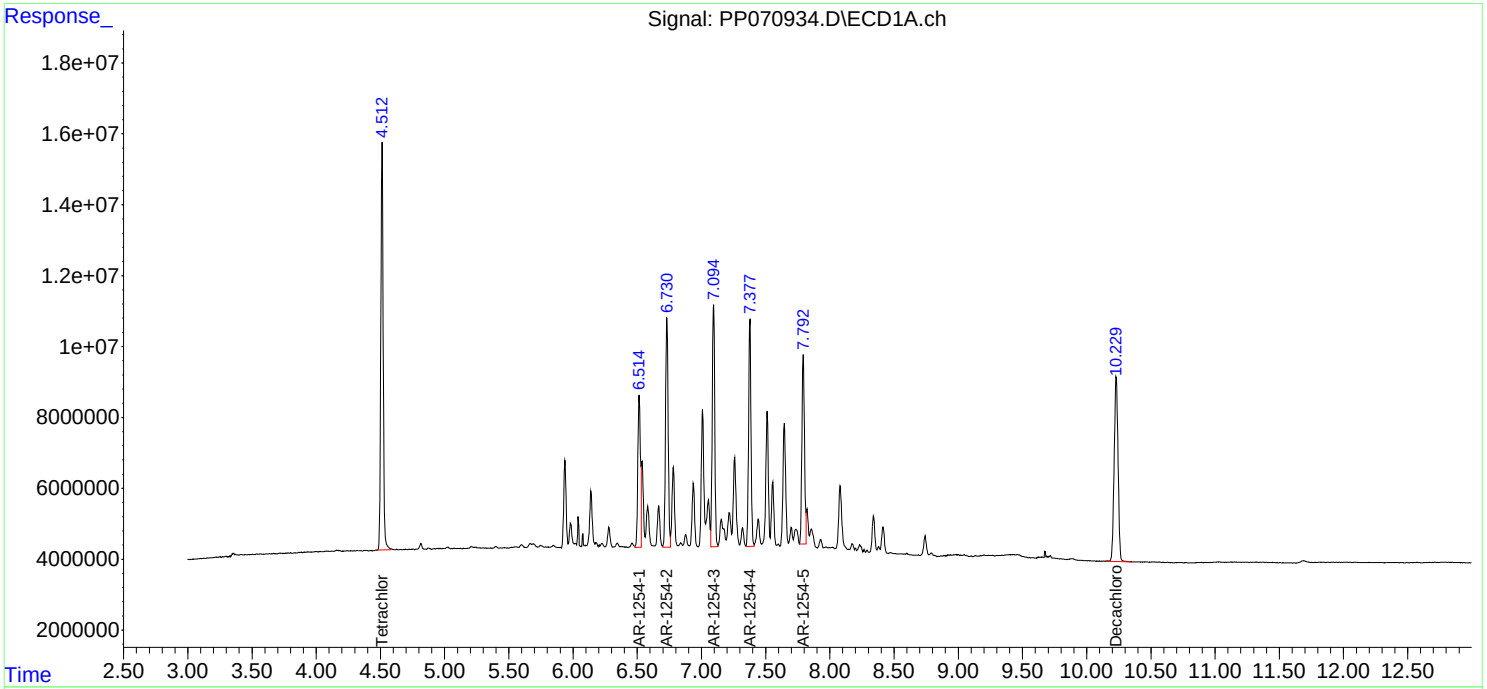
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

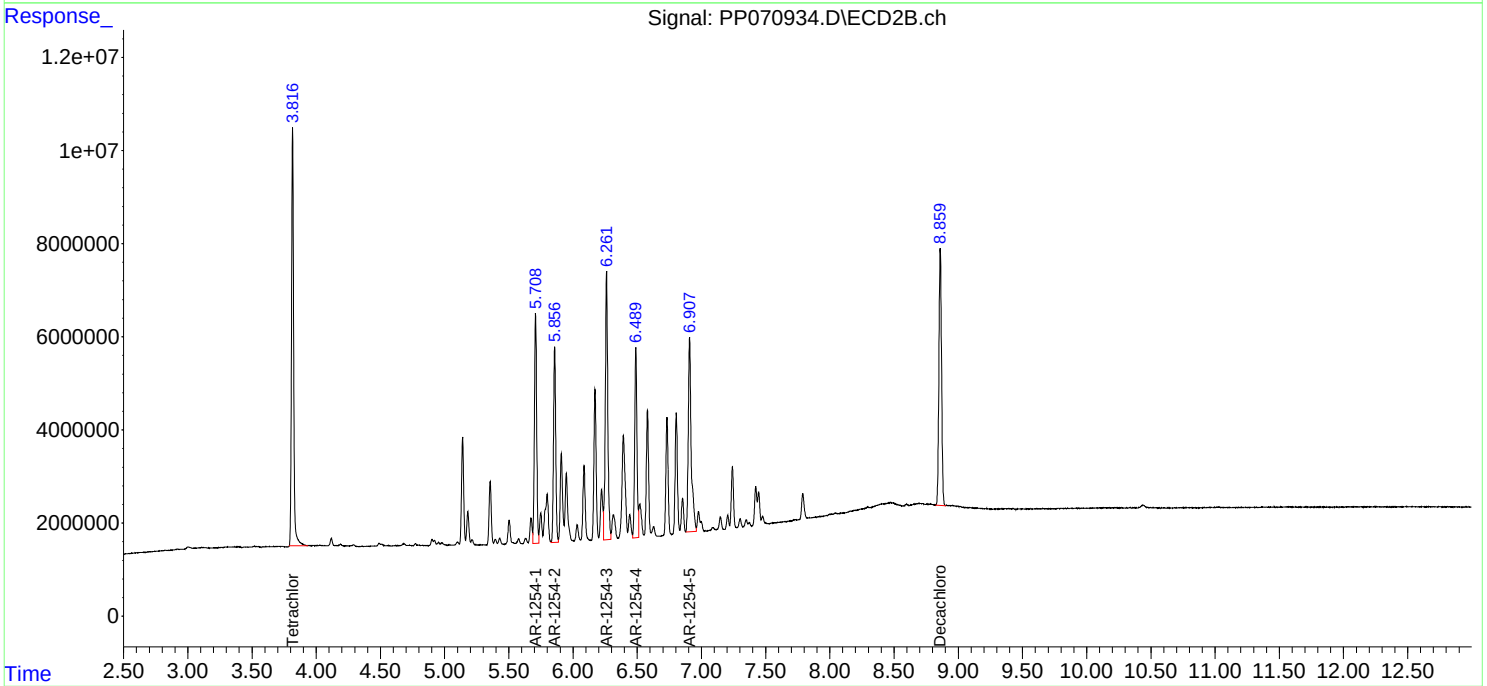
**Manual Integrations APPROVED**

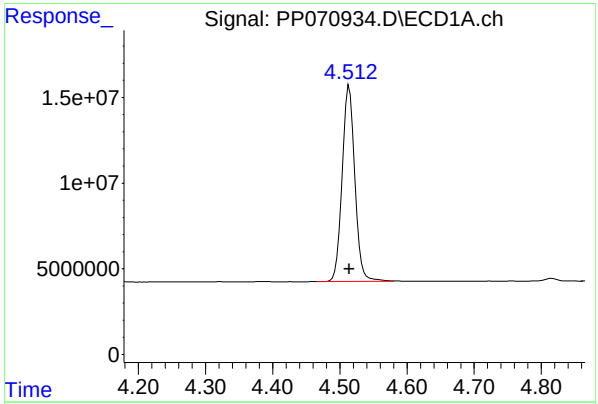
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





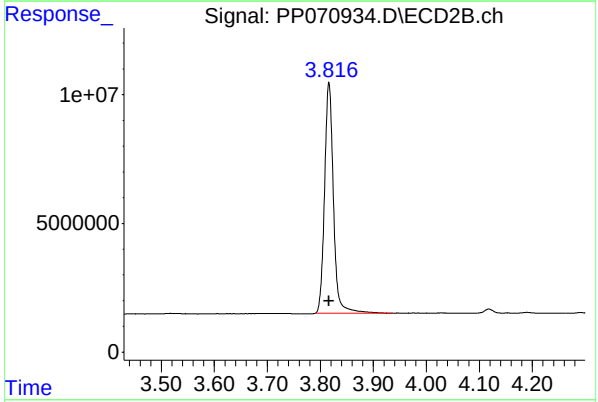

#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 150128836
Conc: 95.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

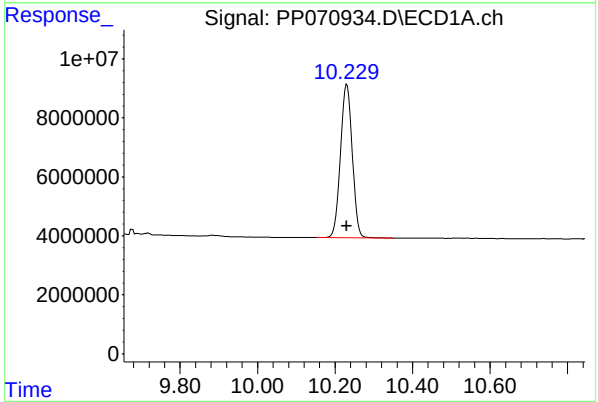
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



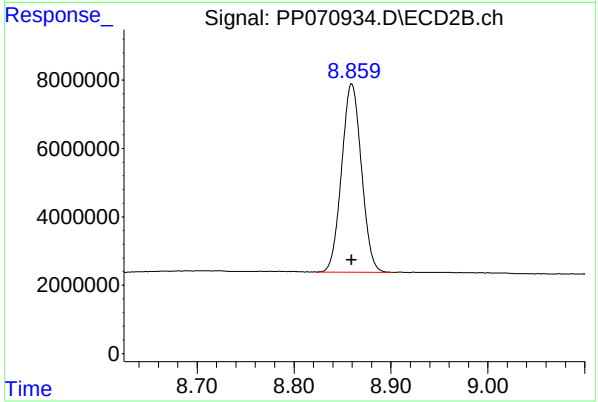

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 104259560
Conc: 94.05 ng/ml



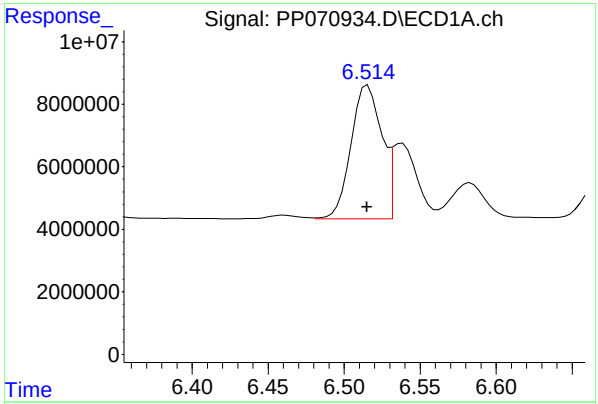

#2 Decachlorobiphenyl

R.T.: 10.231 min
Delta R.T.: 0.001 min
Response: 109543241
Conc: 93.75 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78348381
Conc: 86.02 ng/ml



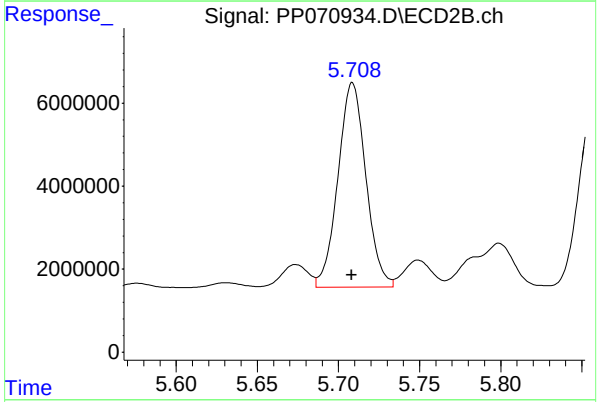

#26 AR-1254-1

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 60157506
Conc: 918.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

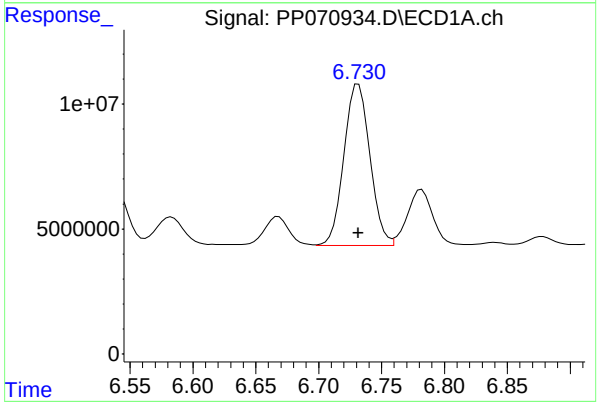
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



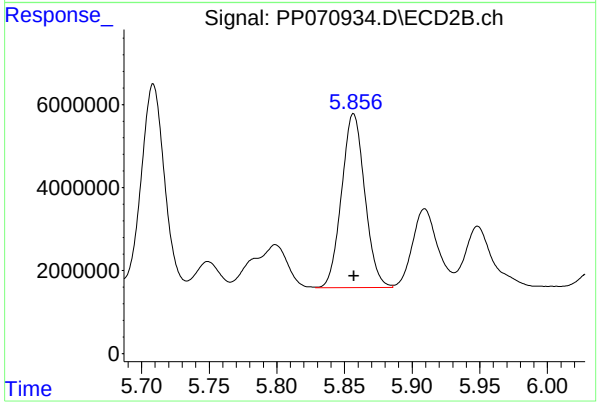

#26 AR-1254-1

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 58928147
Conc: 891.74 ng/ml



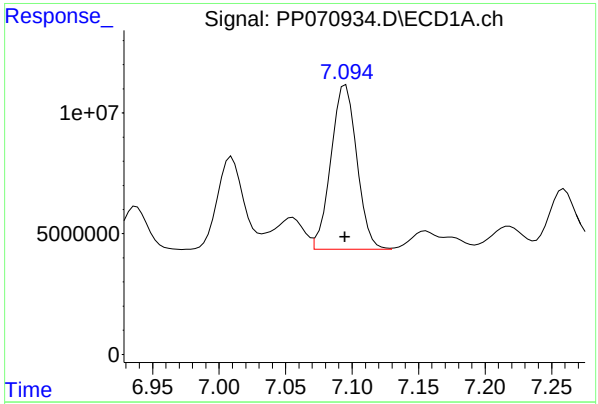

#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 92838442
Conc: 911.95 ng/ml




#27 AR-1254-2

R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 50145967
Conc: 882.95 ng/ml



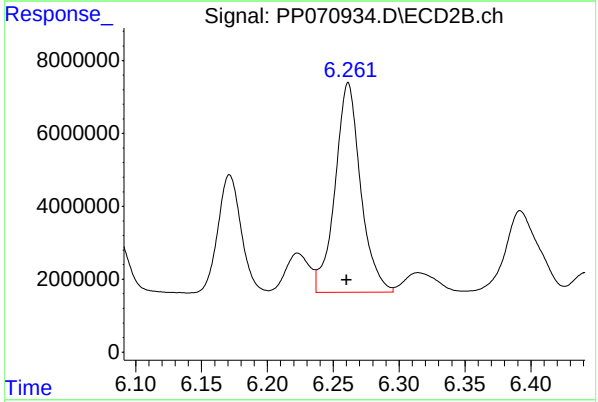

#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 92334650
Conc: 928.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

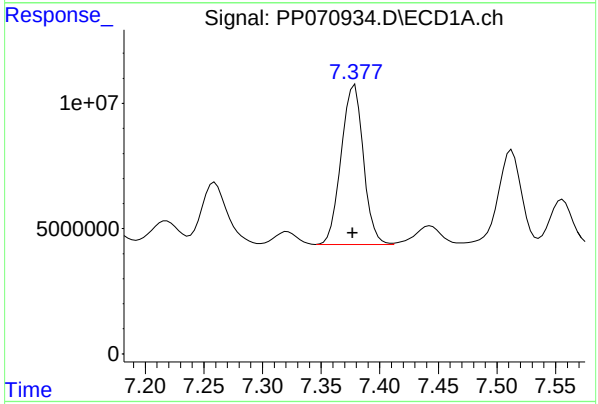
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



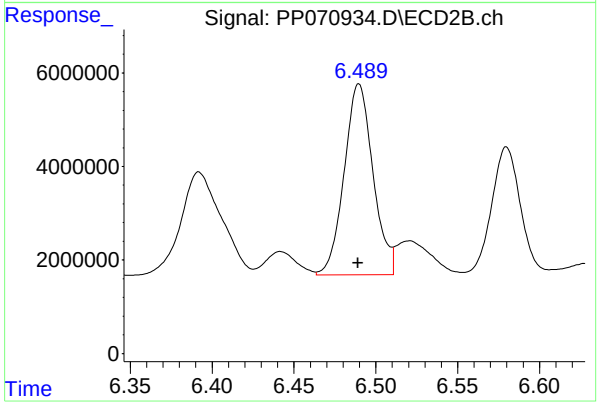

#28 AR-1254-3

R.T.: 6.261 min
Delta R.T.: 0.001 min
Response: 77448562
Conc: 882.46 ng/ml



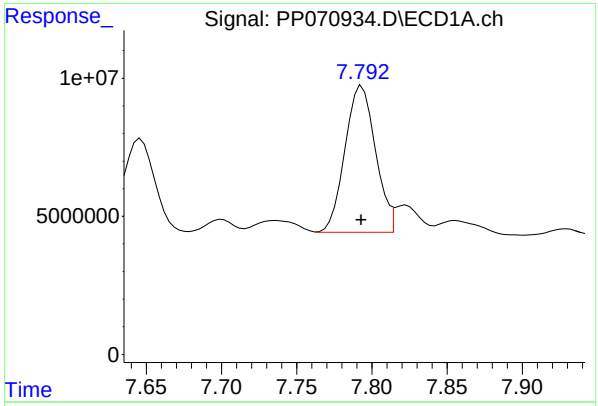

#29 AR-1254-4

R.T.: 7.379 min
Delta R.T.: 0.002 min
Response: 84238161
Conc: 970.46 ng/ml




#29 AR-1254-4

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 49998215
Conc: 893.35 ng/ml



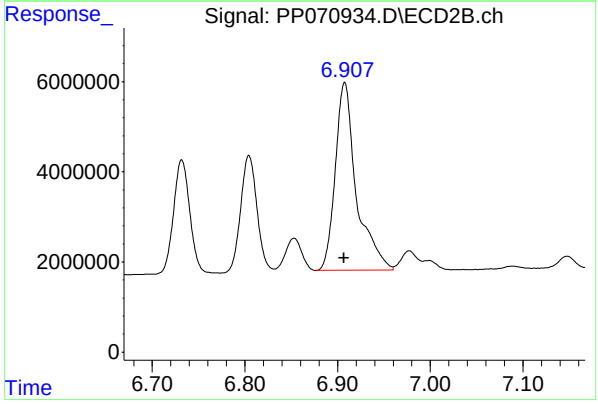

#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: 0.000 min
Response: 74433164
Conc: 920.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#30 AR-1254-5

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 65979008
Conc: 918.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 116.3E6 | 81865229 | 73.835 | 73.847 |
| 2) | SA Decachlor... | 10.228 | 8.859 | 85851924 | 59713645 | 73.477 | 65.559 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.515 | 5.708 | 47300573 | 46349687 | 722.456 | 701.391 |
| 27) | L6 AR-1254-2 | 6.731 | 5.856 | 72785411 | 40339655 | 714.968 | 710.286 |
| 28) | L6 AR-1254-3 | 7.094 | 6.260 | 73541603 | 62731680 | 739.732 | 714.771 |
| 29) | L6 AR-1254-4 | 7.377 | 6.490 | 65835410 | 40961211 | 758.451 | 731.883 |
| 30) | L6 AR-1254-5 | 7.792 | 6.907 | 59278726 | 53519032 | 733.152m | 745.122 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

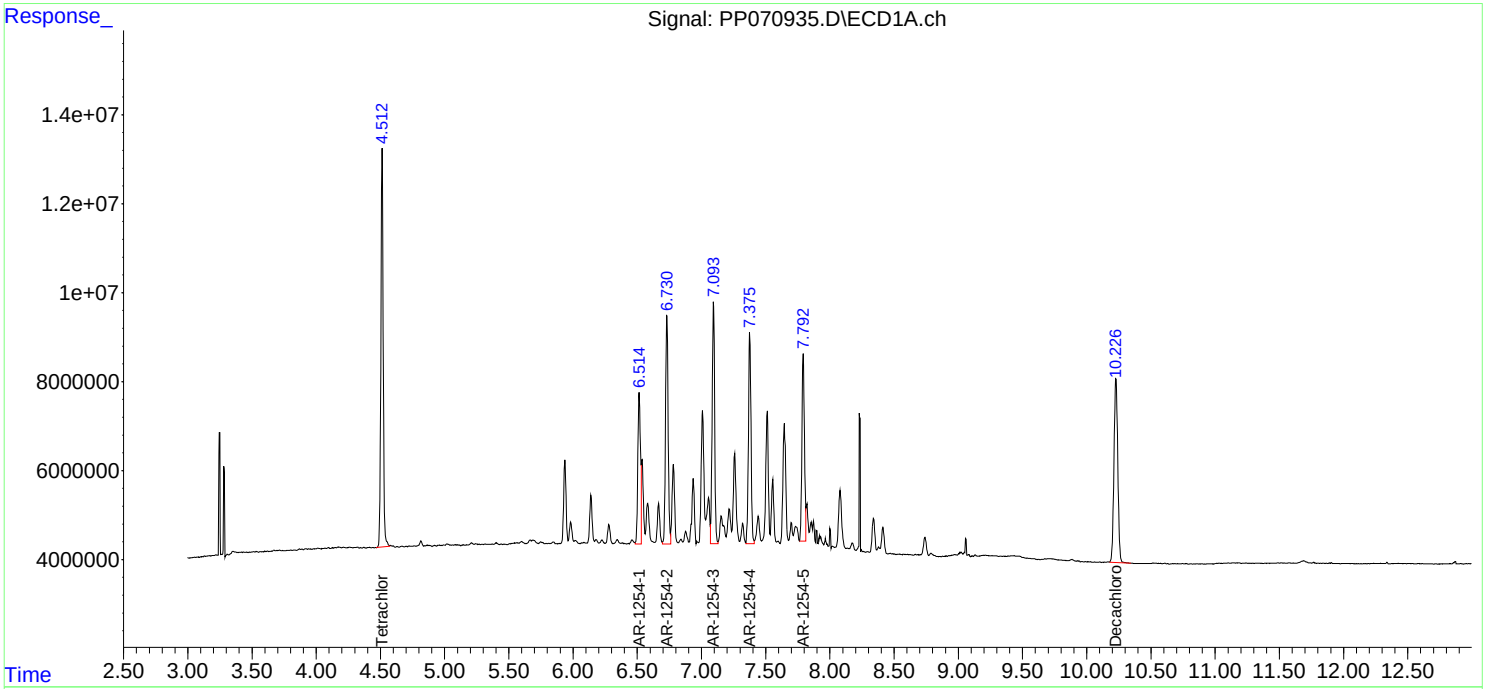
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

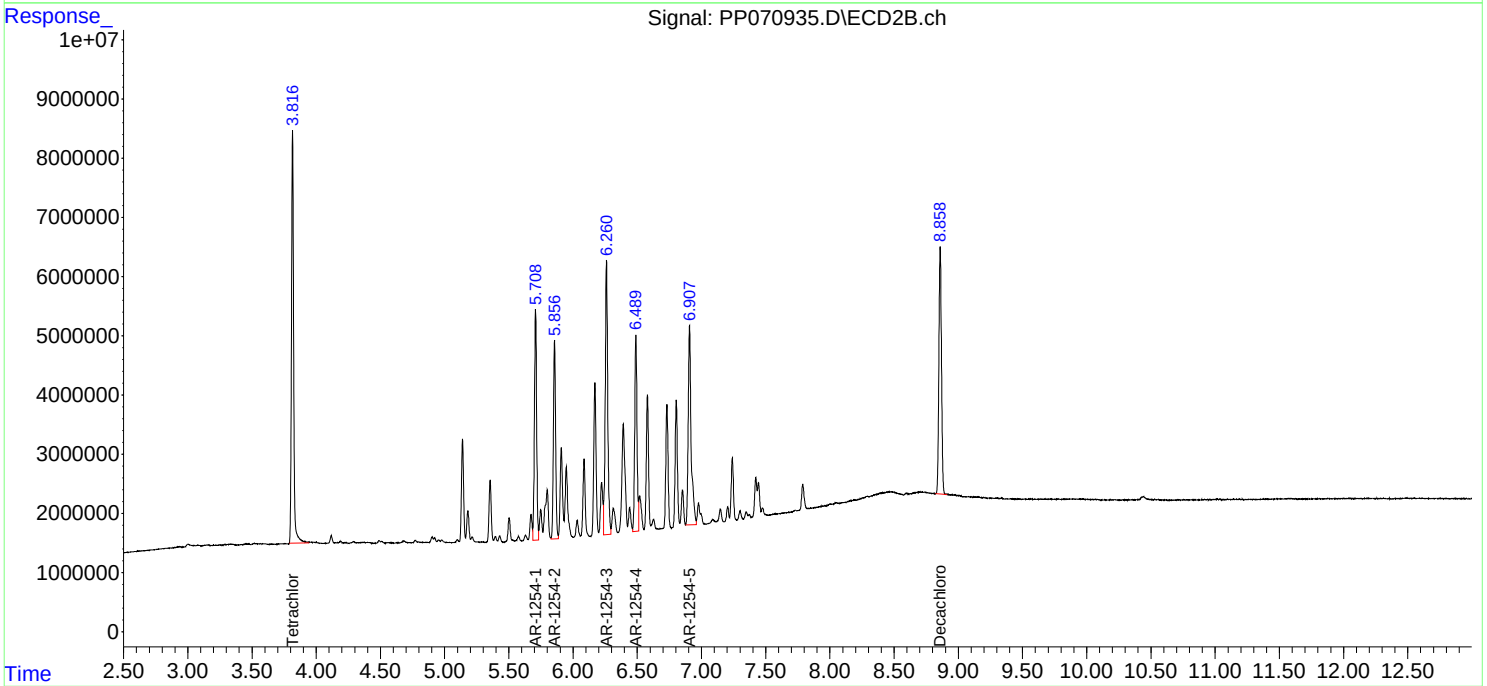
**Manual Integrations APPROVED**

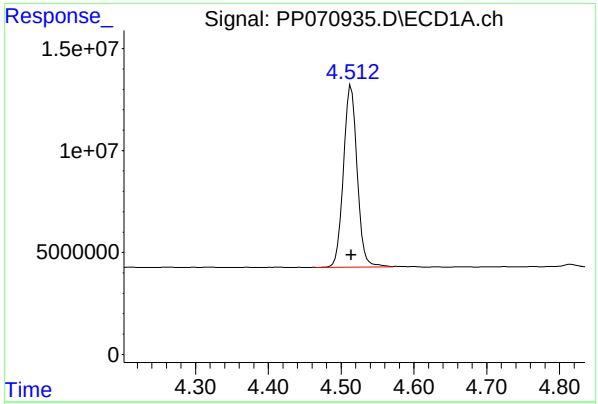
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





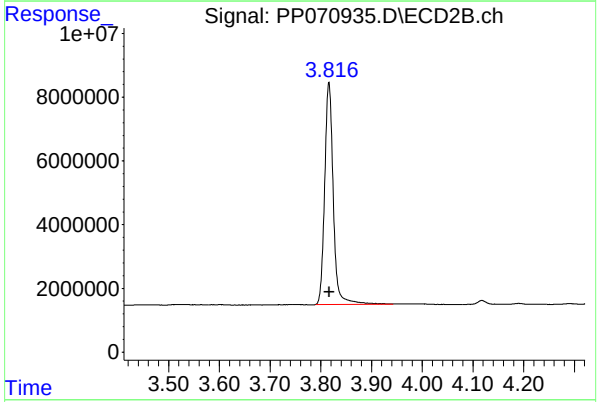

#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 116345667
Conc: 73.84 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

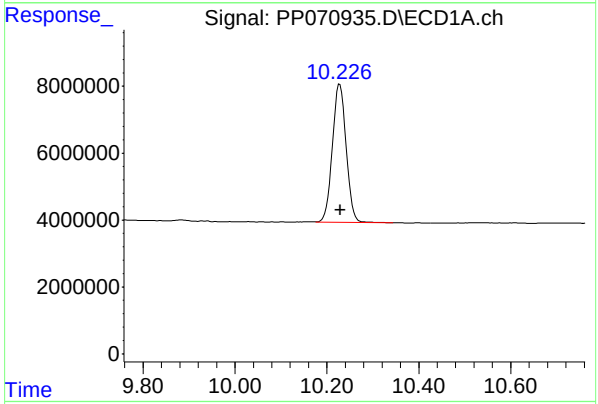
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



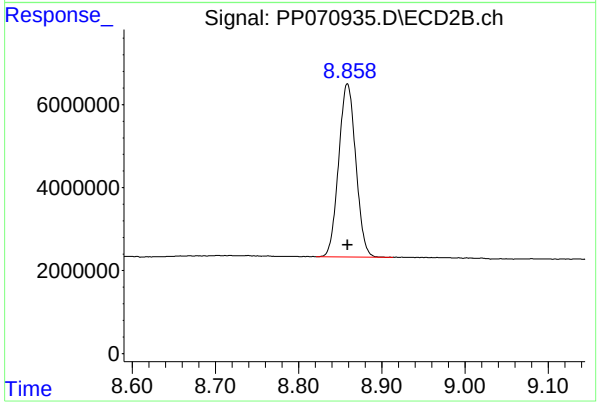

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 81865229
Conc: 73.85 ng/ml



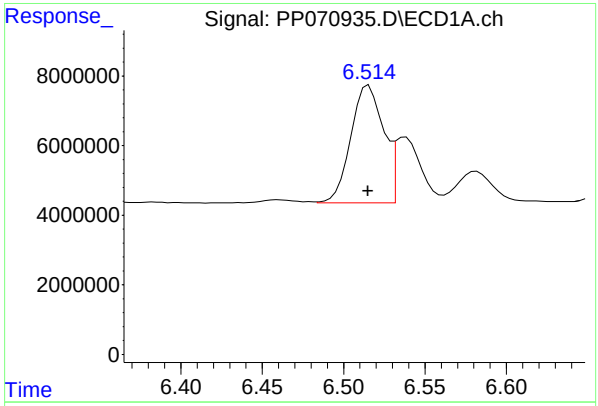

#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 85851924
Conc: 73.48 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 59713645
Conc: 65.56 ng/ml



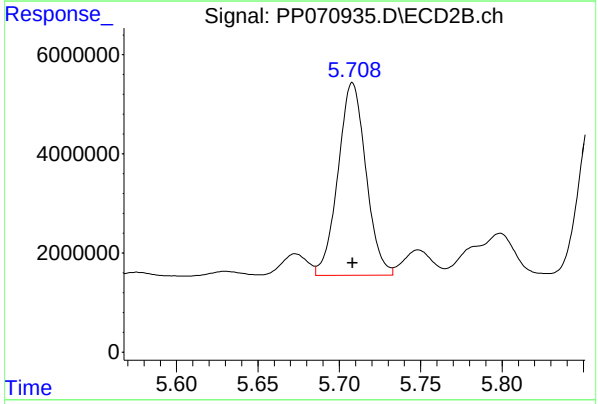

#26 AR-1254-1

R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 47300573
Conc: 722.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

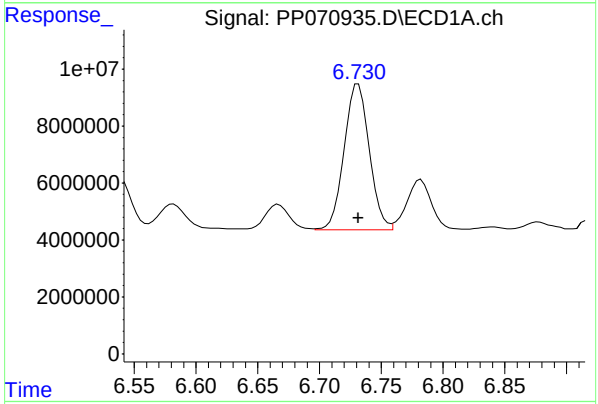
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



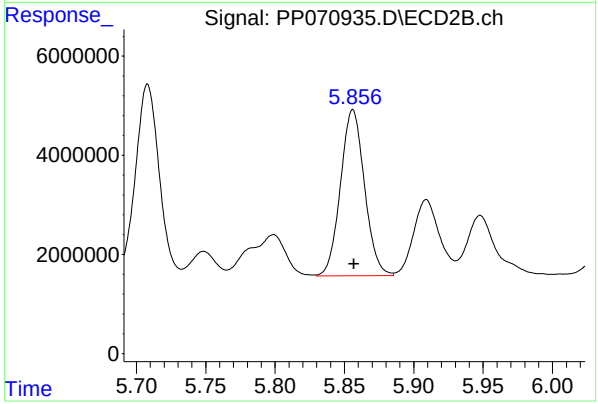

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 46349687
Conc: 701.39 ng/ml



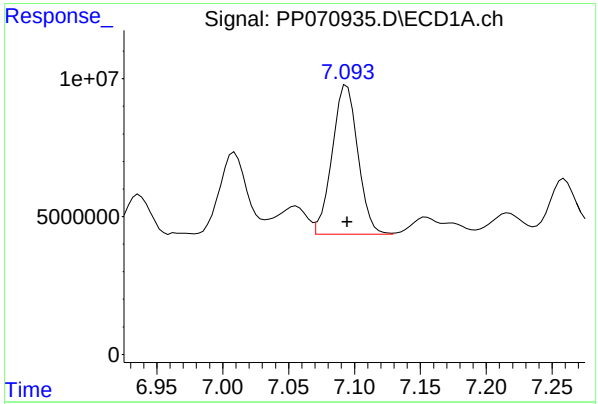

#27 AR-1254-2

R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 72785411
Conc: 714.97 ng/ml




#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 40339655
Conc: 710.29 ng/ml



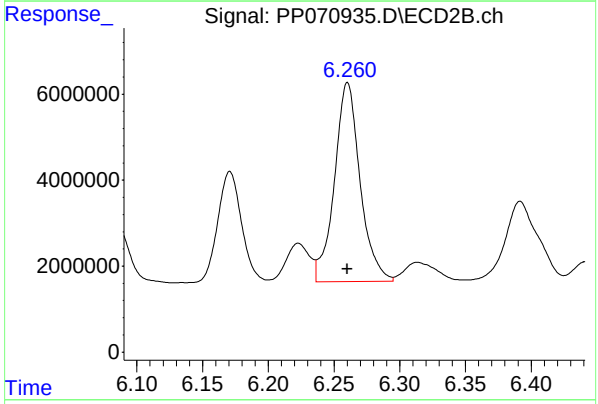

#28 AR-1254-3

R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 73541603
Conc: 739.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

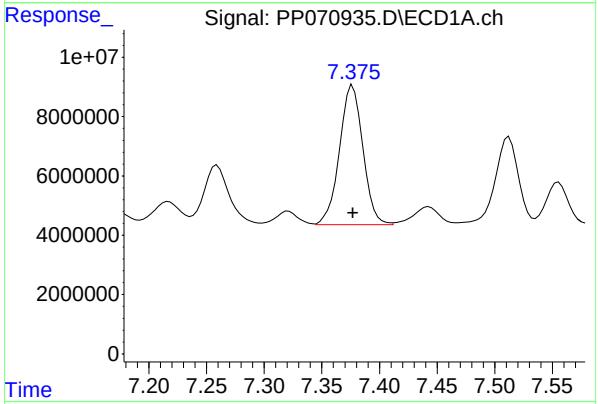
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



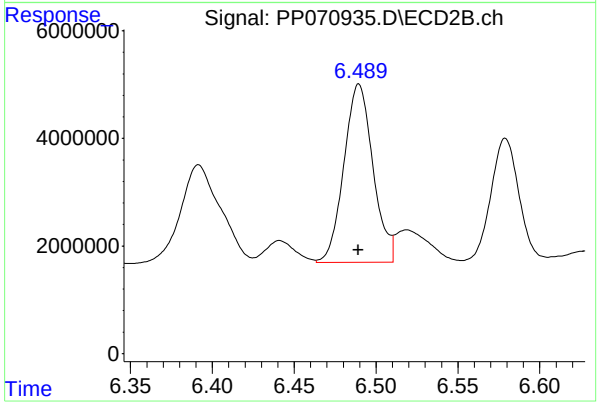

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 62731680
Conc: 714.77 ng/ml



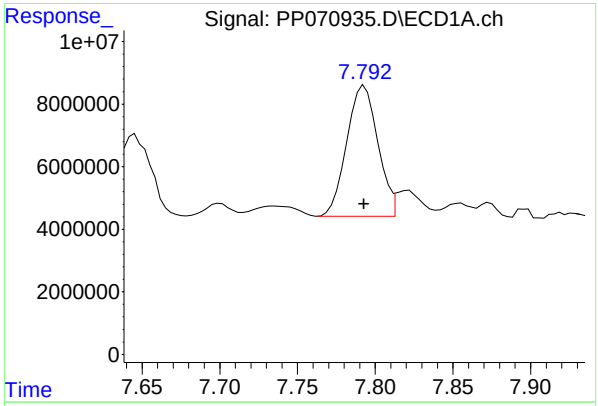

#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 65835410
Conc: 758.45 ng/ml




#29 AR-1254-4

R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 40961211
Conc: 731.88 ng/ml



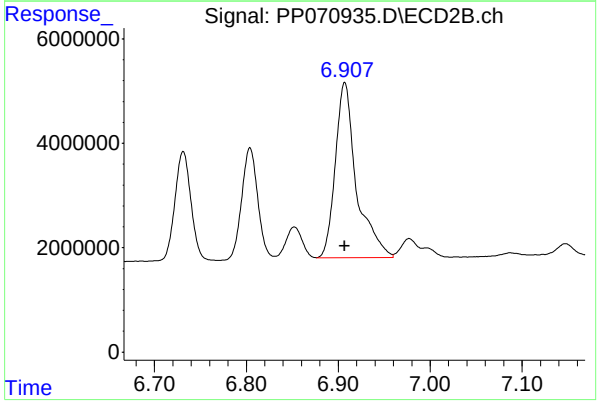

#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 59278726
Conc: 733.15 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 53519032
Conc: 745.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:43
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 78787321 | 55428912 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.230 | 8.859 | 58420861 | 45541627 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.515 | 5.708 | 32735943 | 33041243 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.732 | 5.857 | 50901196 | 28396777 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 7.095 | 6.260 | 49708277 | 43882389 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.377 | 6.489 | 43401255 | 27983450 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 7.793 | 6.907 | 40427325 | 35912948 | 500.000 | 500.000 |

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

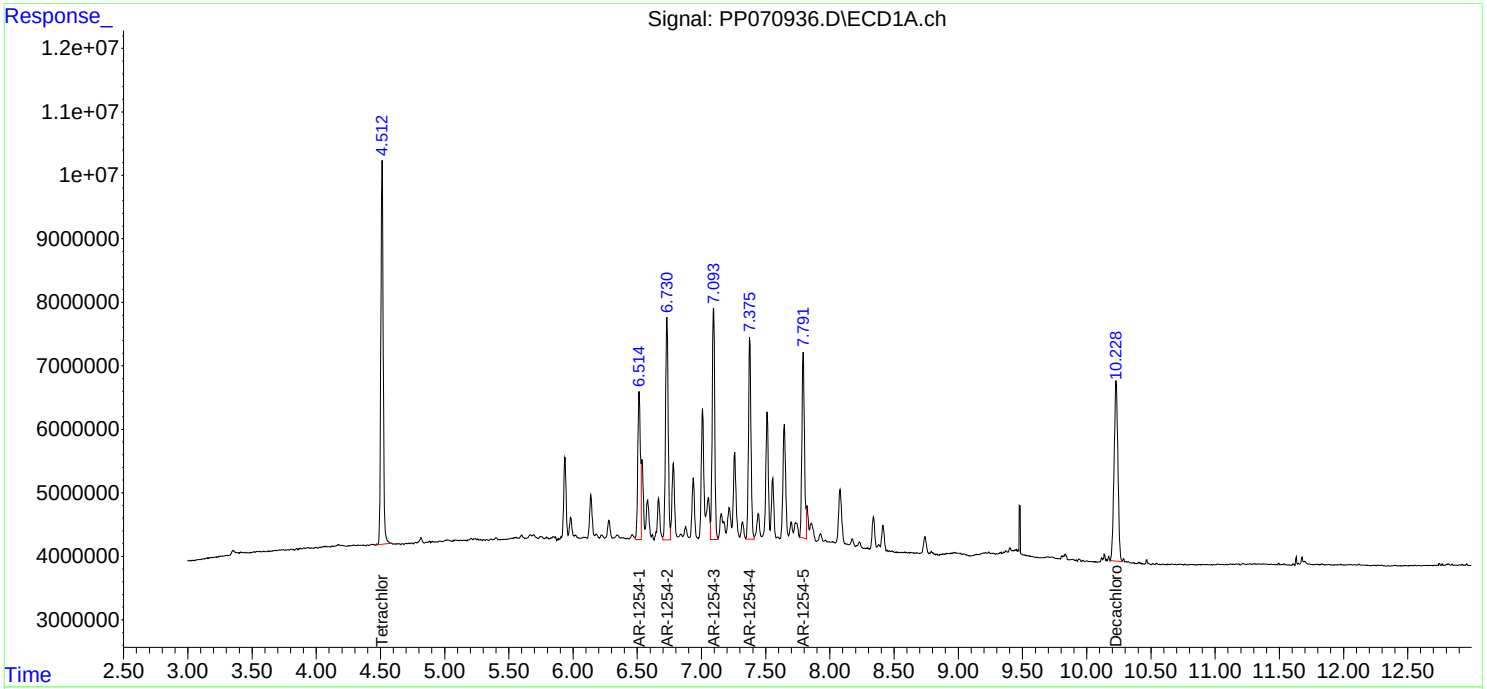
ICAL Form

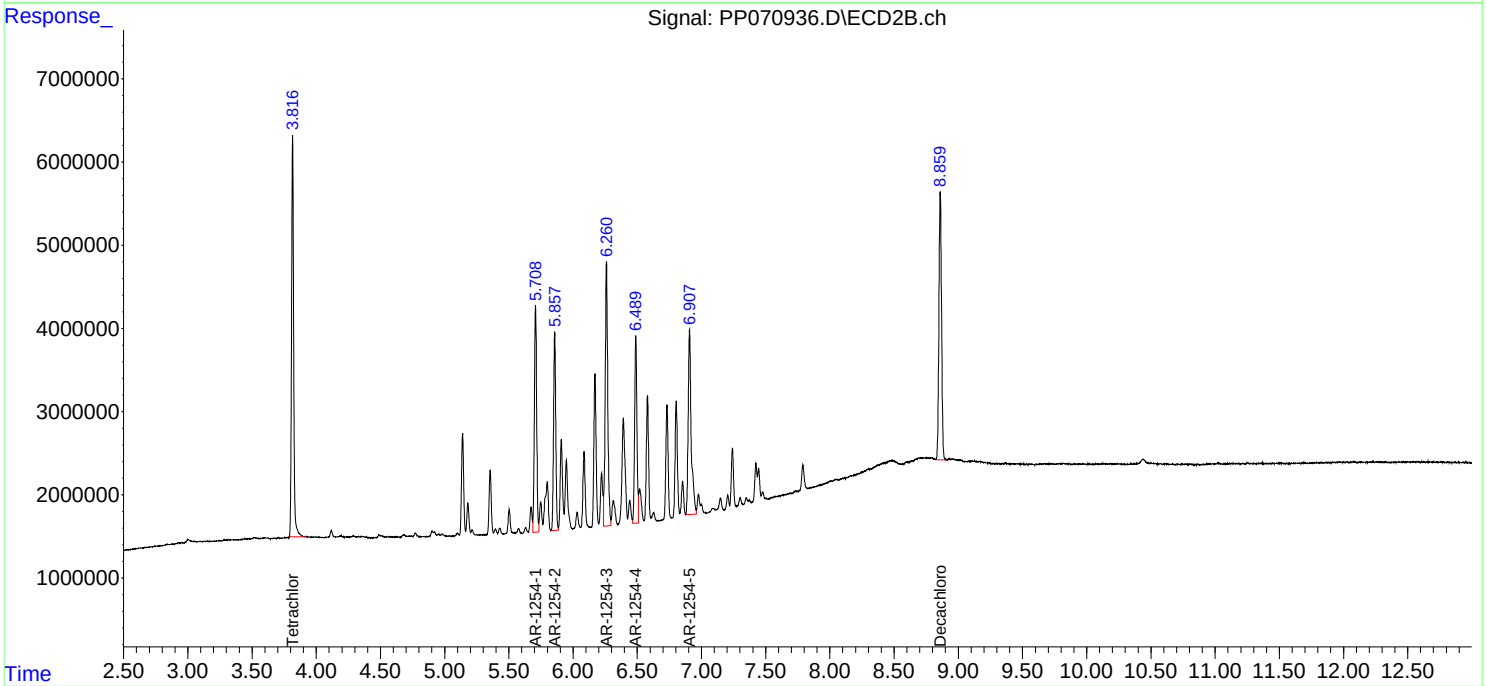
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:43
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

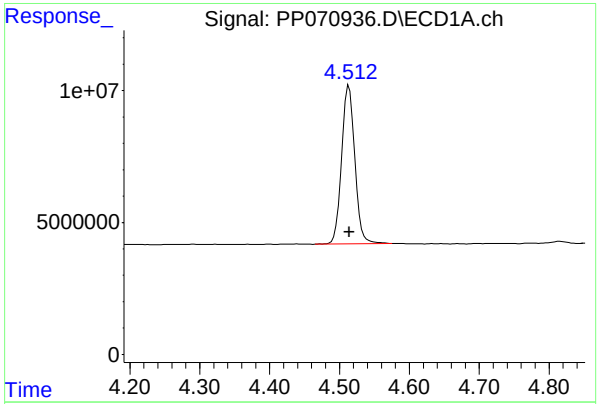
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



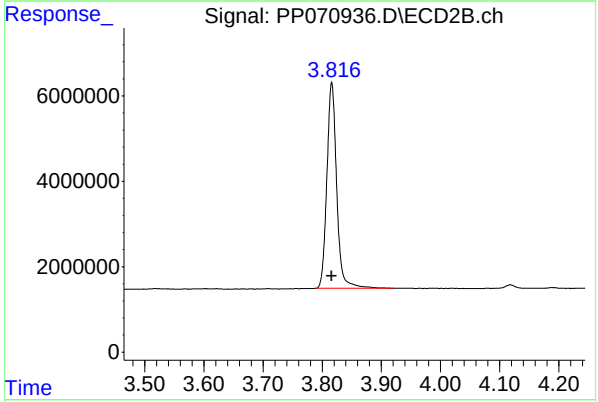






#1 Tetrachloro-m-xylene

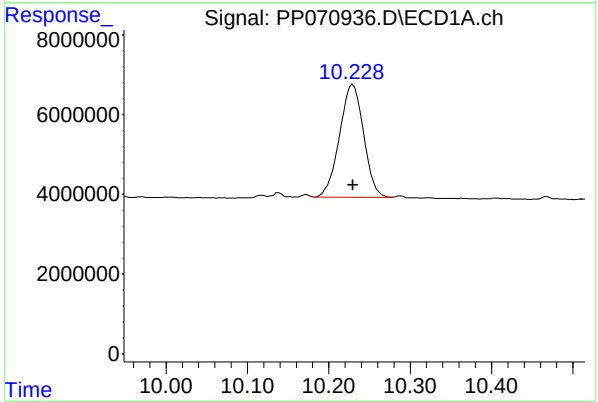
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 78787321
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



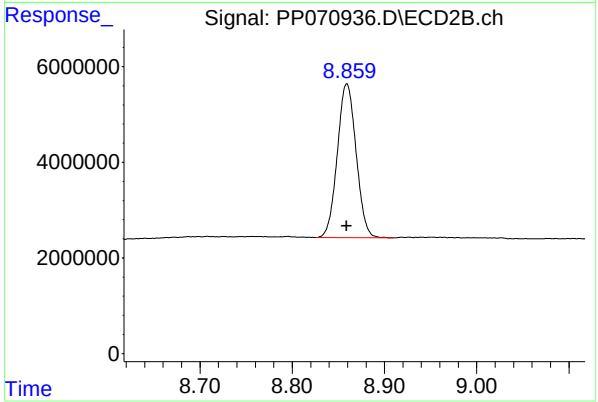

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55428912
Conc: 50.00 ng/ml



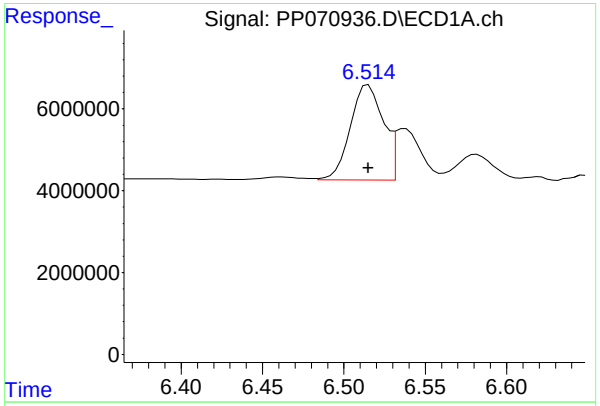

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 58420861
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

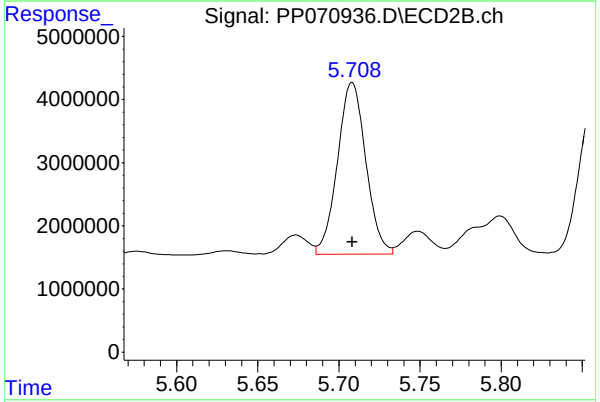
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 45541627
Conc: 50.00 ng/ml




#26 AR-1254-1

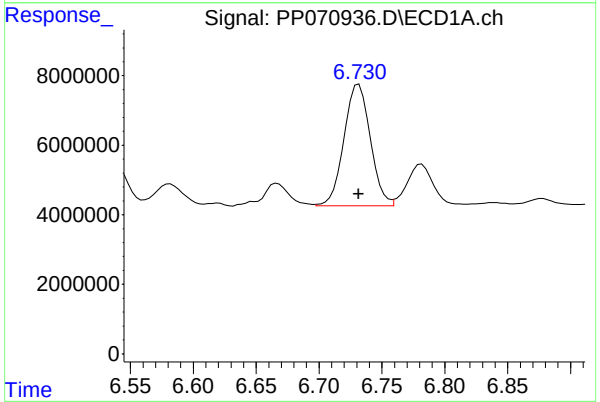
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 32735943
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



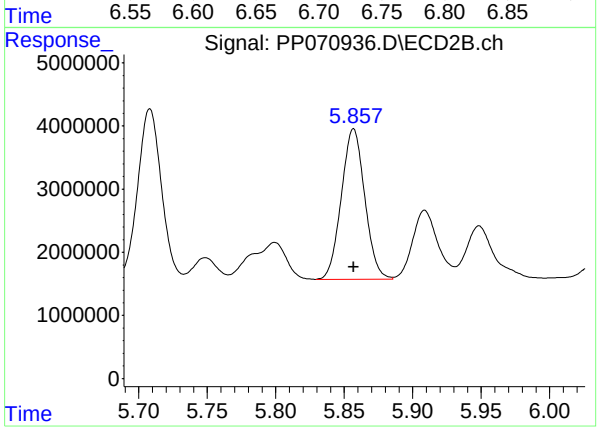

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 33041243
Conc: 500.00 ng/ml



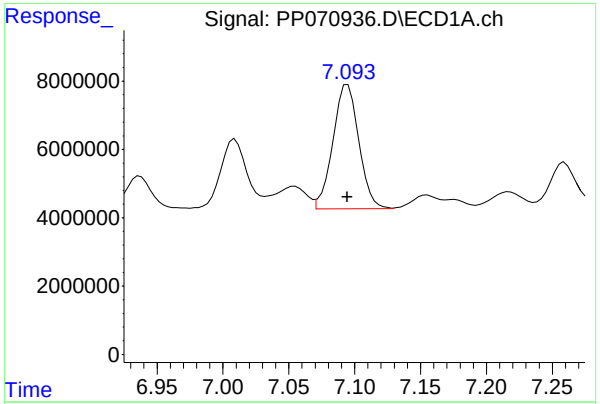

#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 50901196
Conc: 500.00 ng/ml




#27 AR-1254-2

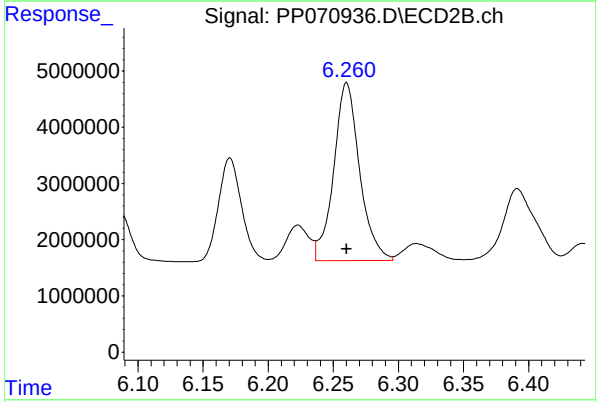
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 28396777
Conc: 500.00 ng/ml




#28 AR-1254-3

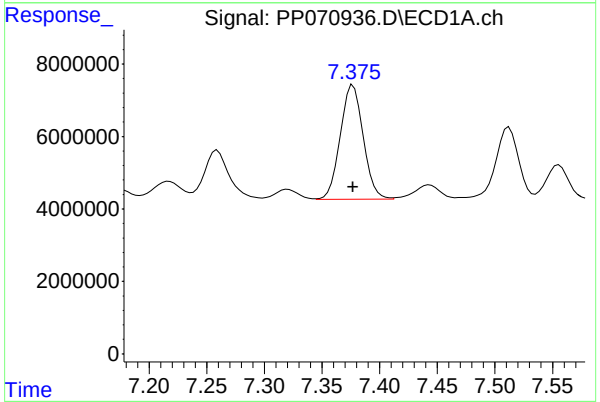
R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 49708277
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500



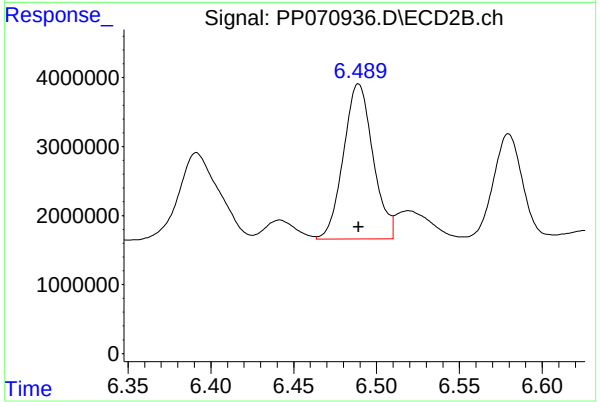

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 43882389
Conc: 500.00 ng/ml



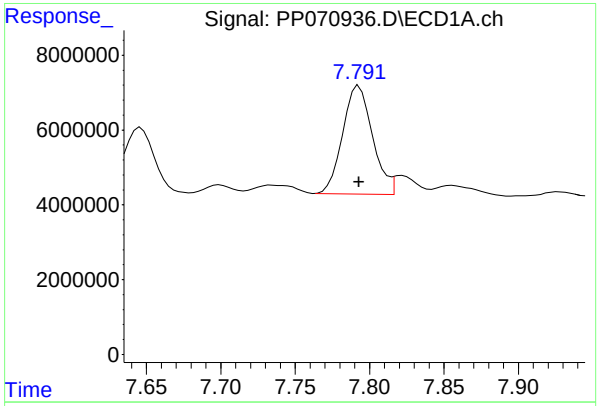

#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 43401255
Conc: 500.00 ng/ml




#29 AR-1254-4

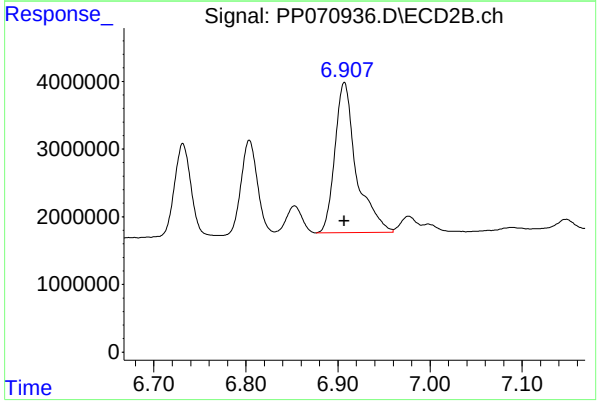
R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 27983450
Conc: 500.00 ng/ml




#30 AR-1254-5

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 40427325
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 35912948
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 40672603 | 29879101 | 25.812 | 26.953 |
| 2) | SA Decachlor... | 10.230 | 8.859 | 29858259 | 21257096 | 25.554 | 23.338 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.516 | 5.708 | 16701604 | 18446961 | 255.096 | 279.151 |
| 27) | L6 AR-1254-2 | 6.732 | 5.856 | 26389026 | 16008677 | 259.218 | 281.875 |
| 28) | L6 AR-1254-3 | 7.095 | 6.260 | 25960285 | 24772594 | 261.126 | 282.261 |
| 29) | L6 AR-1254-4 | 7.377 | 6.489 | 22197209 | 16043587 | 255.721 | 286.662 |
| 30) | L6 AR-1254-5 | 7.791 | 6.907 | 20989646 | 20606411 | 259.597m | 286.894 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

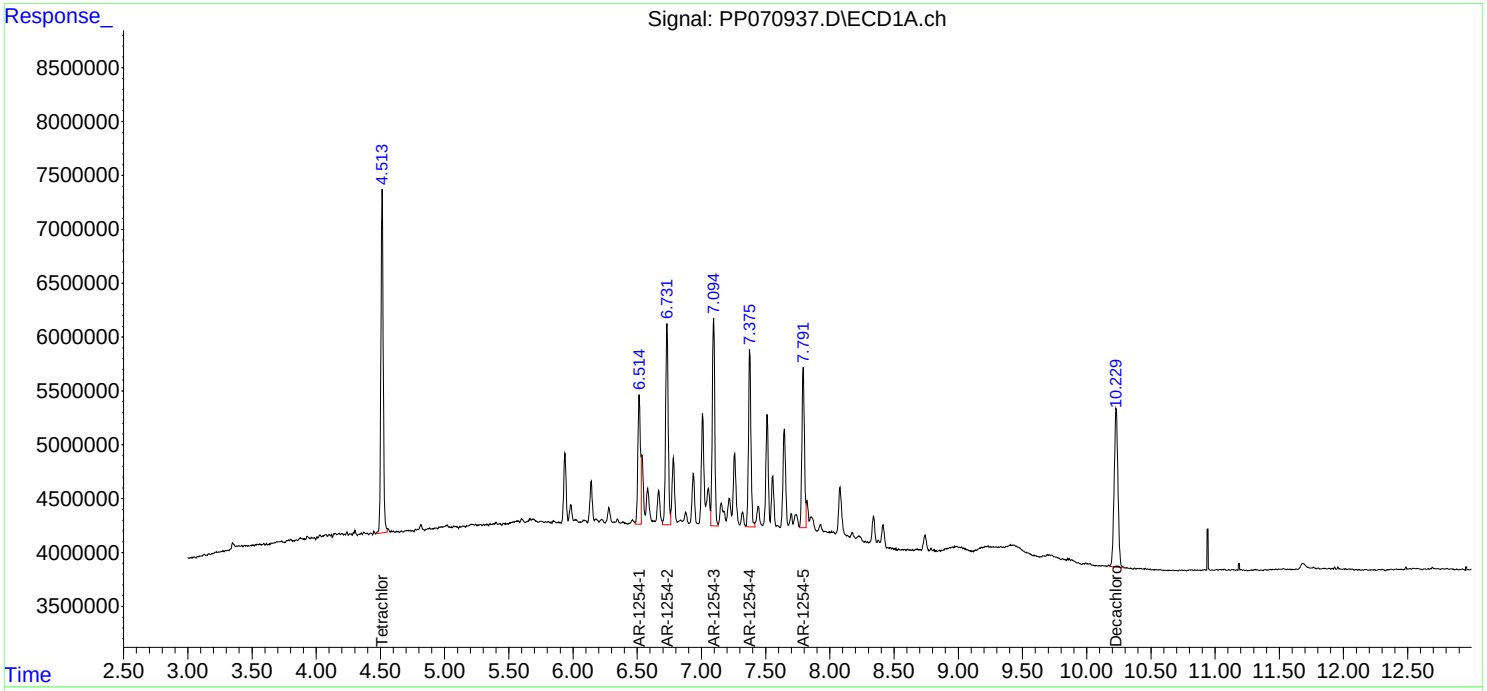
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

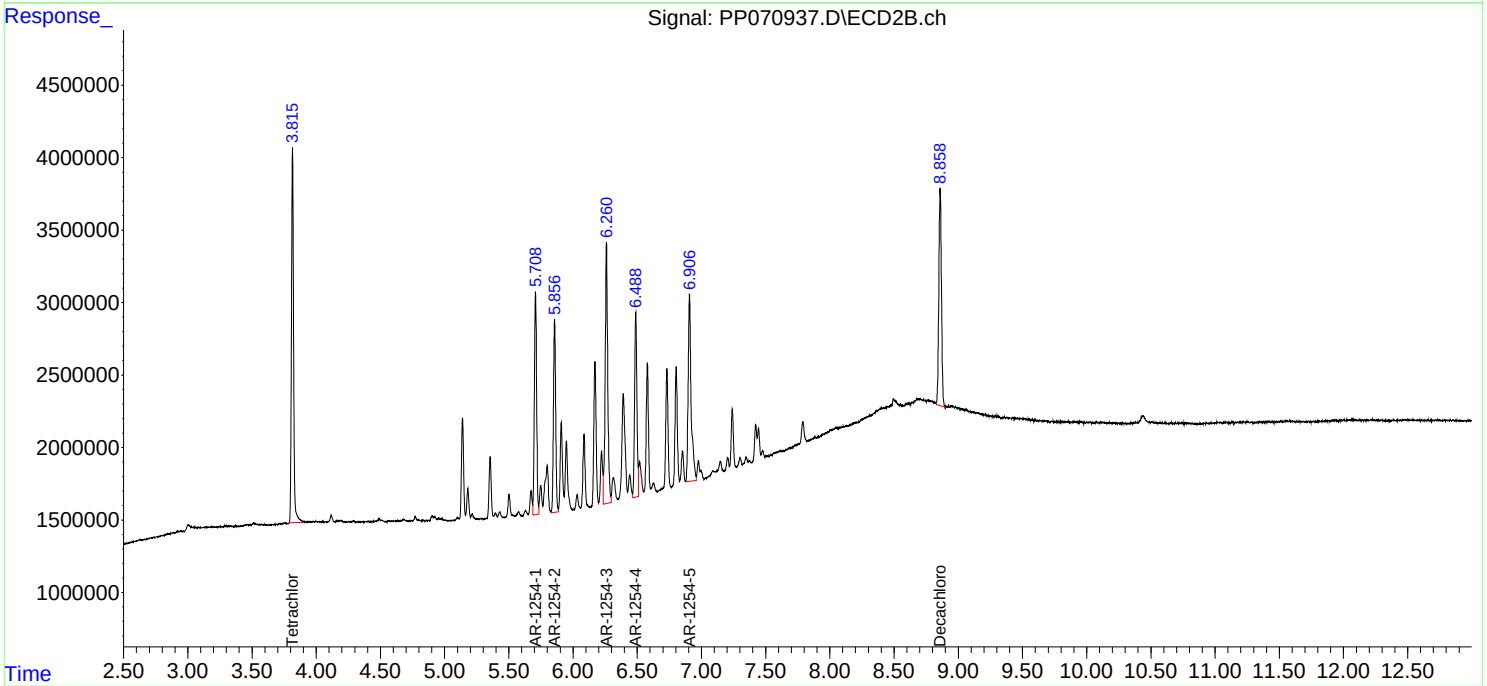
**Manual Integrations APPROVED**

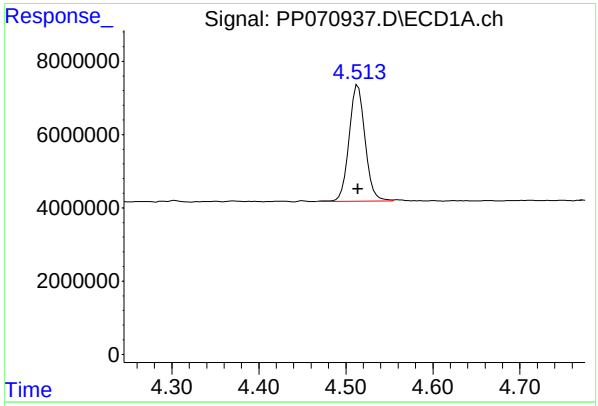
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





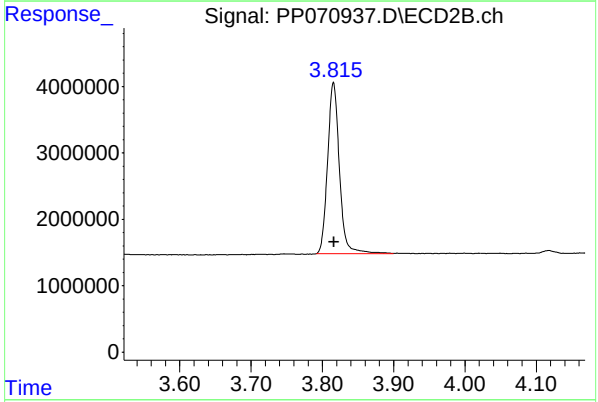

#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 40672603
Conc: 25.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

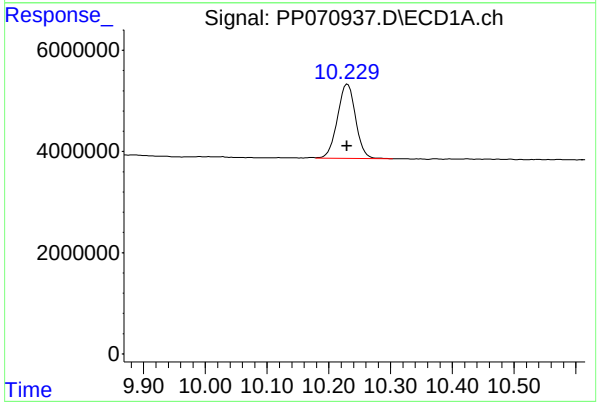
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



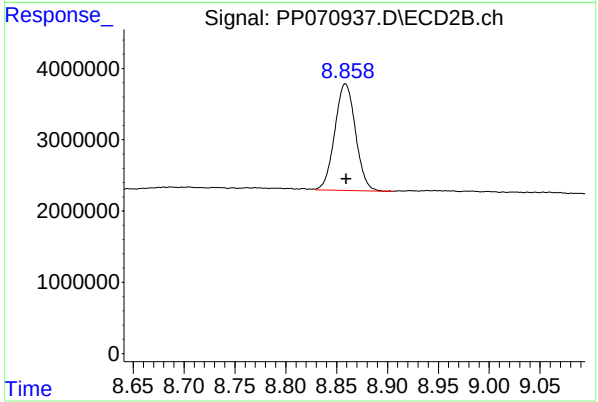

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 29879101
Conc: 26.95 ng/ml



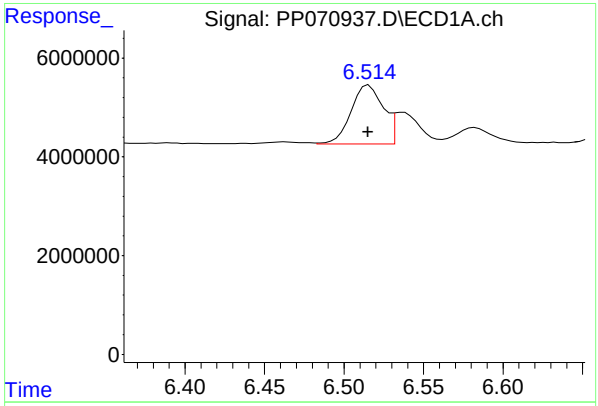

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 29858259
Conc: 25.55 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 21257096
Conc: 23.34 ng/ml



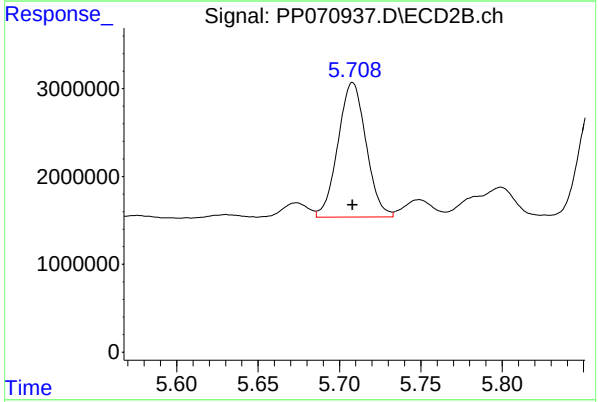

#26 AR-1254-1

R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 16701604
Conc: 255.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

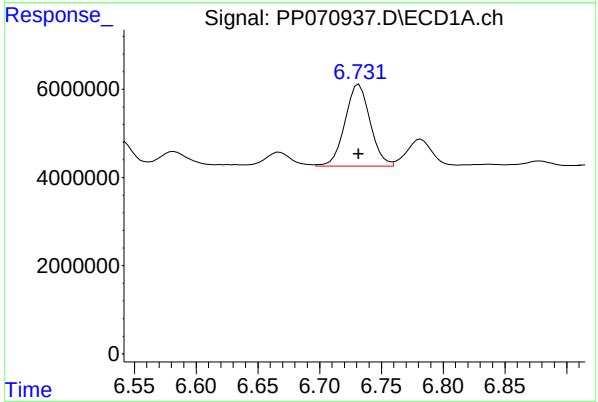
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



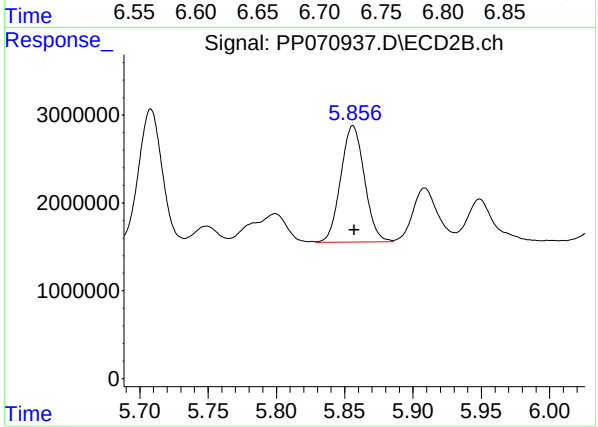

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 18446961
Conc: 279.15 ng/ml



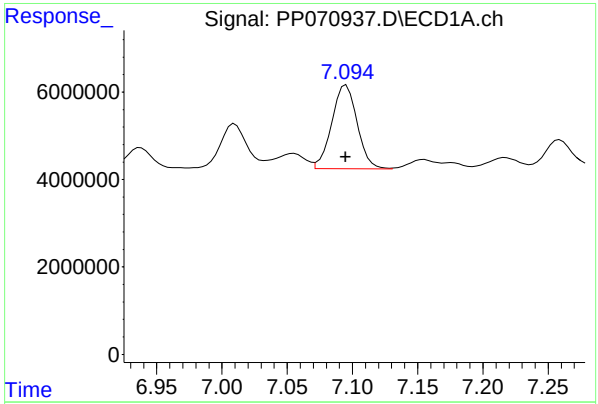

#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 26389026
Conc: 259.22 ng/ml




#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 16008677
Conc: 281.87 ng/ml



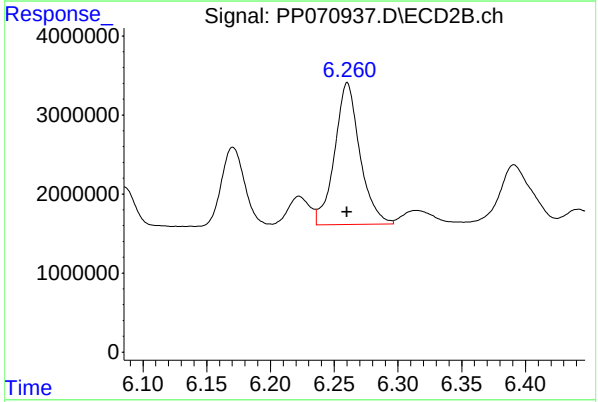

#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 25960285
Conc: 261.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

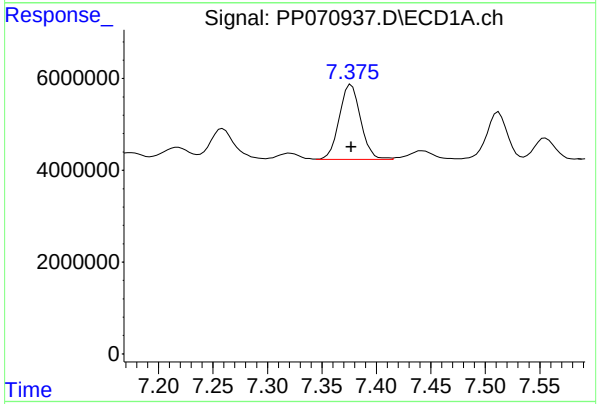
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



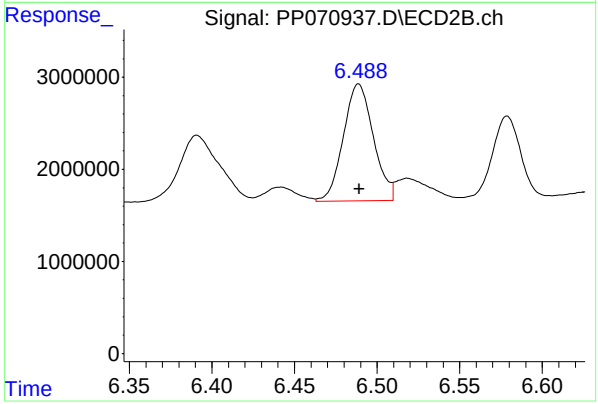

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 24772594
Conc: 282.26 ng/ml



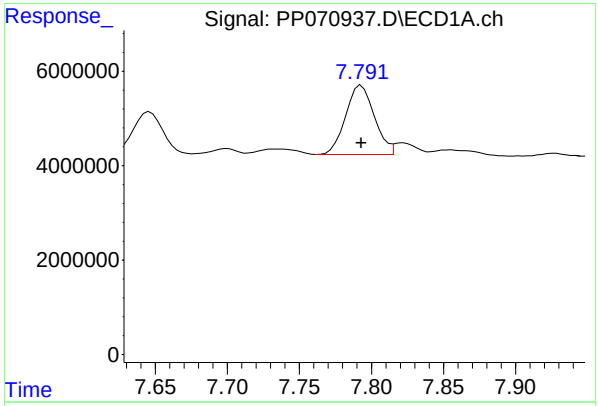

#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 22197209
Conc: 255.72 ng/ml




#29 AR-1254-4

R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 16043587
Conc: 286.66 ng/ml



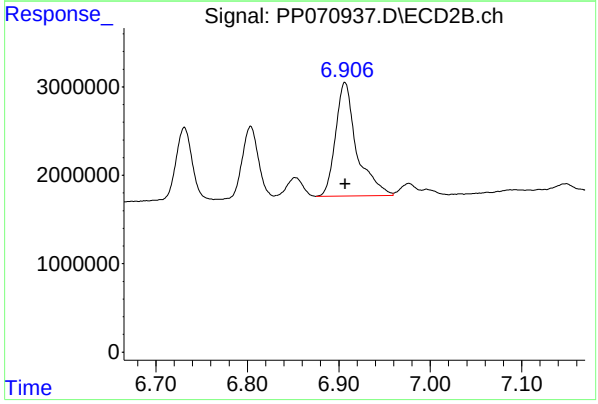

#30 AR-1254-5

R.T.: 7.791 min
Delta R.T.: -0.001 min
Response: 20989646
Conc: 259.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 20606411
Conc: 286.89 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:16
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.515 | 3.816 | 6508593 | 5336776 | 4.107 | 4.715 |
| 2) | SA Decachlor... | 10.232 | 8.861 | 5177583 | 3796388 | 4.429 | 4.454 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.516 | 5.708 | 3322396 | 3474548 | 51.023 | 51.687 |
| 27) | L6 AR-1254-2 | 6.733 | 5.857 | 5410437 | 3036515 | 53.321 | 52.169 |
| 28) | L6 AR-1254-3 | 7.096 | 6.261 | 5249564 | 4313044 | 52.267 | 47.835 |
| 29) | L6 AR-1254-4 | 7.378 | 6.490 | 4268685 | 2787399 | 48.623 | 47.851 |
| 30) | L6 AR-1254-5 | 7.794 | 6.907 | 4173507 | 3458194 | 51.345 | 45.985 |

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

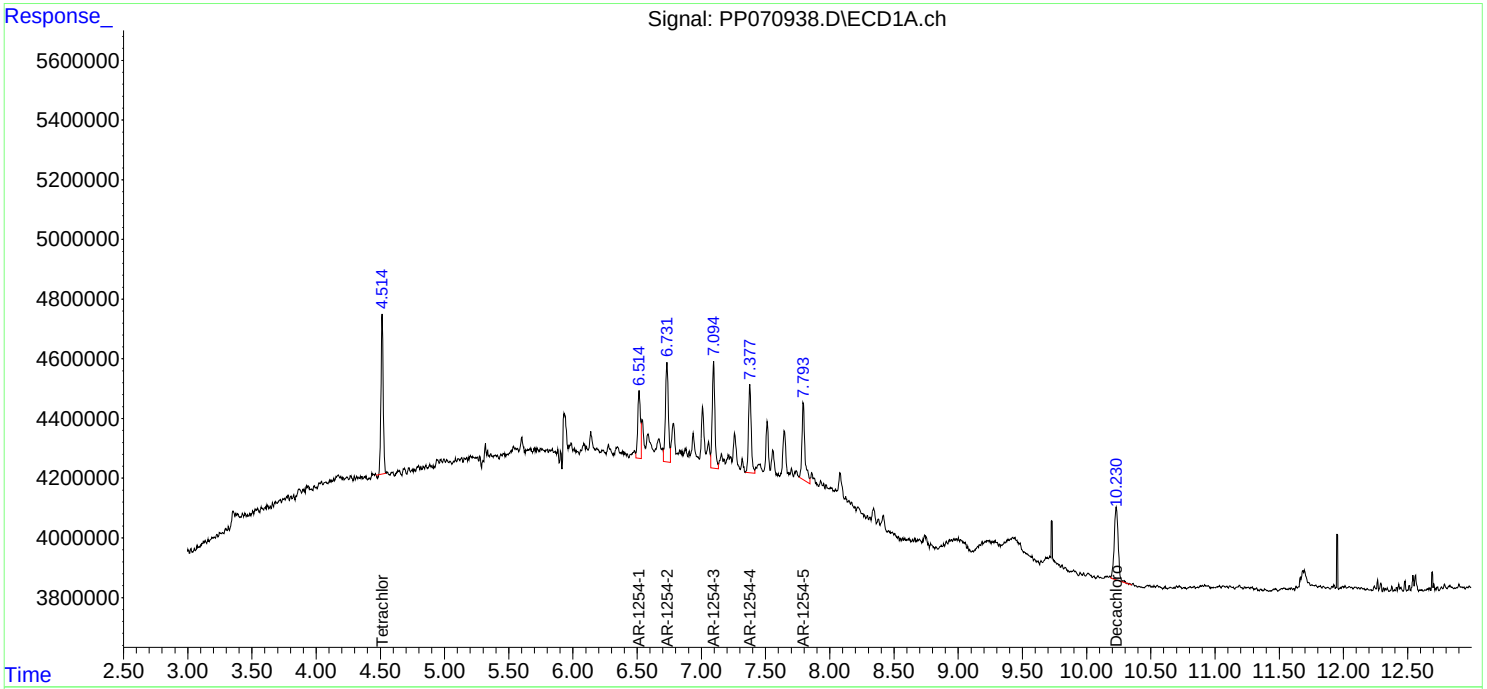
ICAL Form

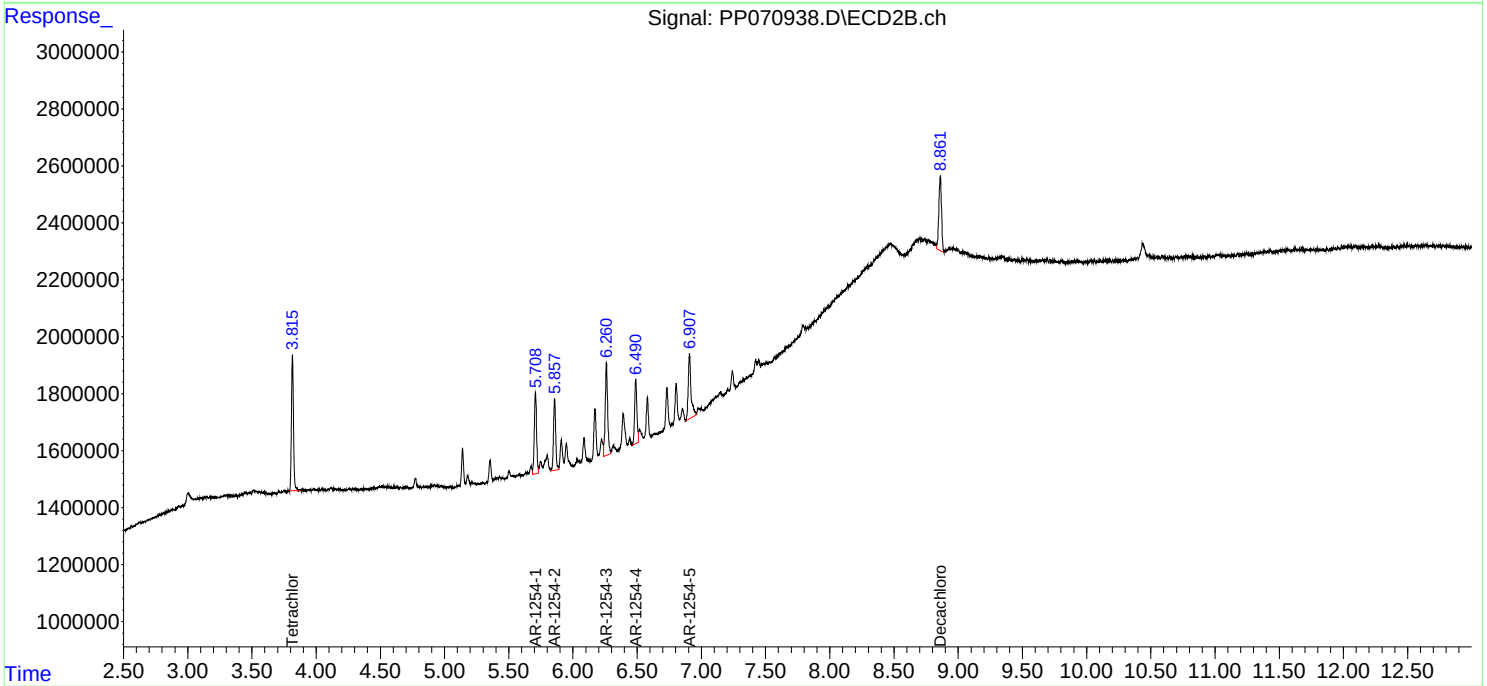
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:16
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

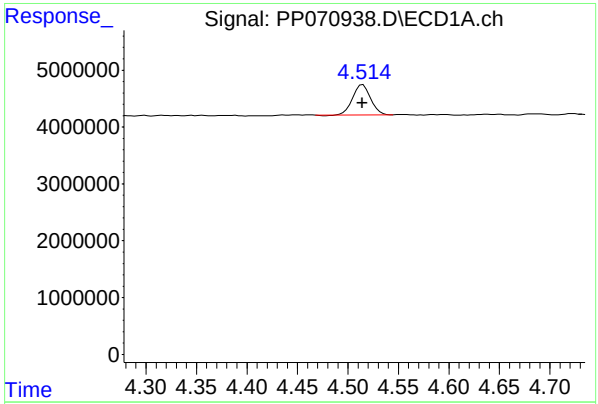
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:35:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



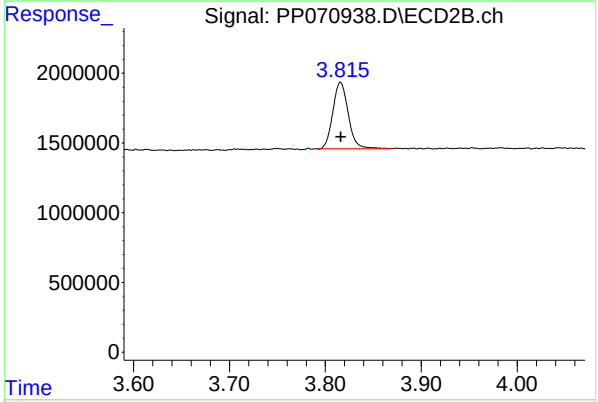






#1 Tetrachloro-m-xylene

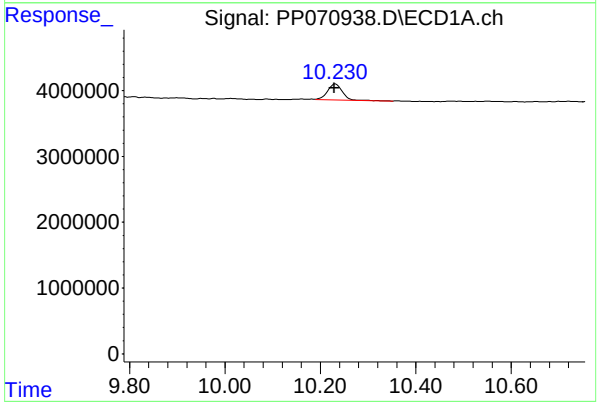
R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 6508593
Conc: 4.11 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



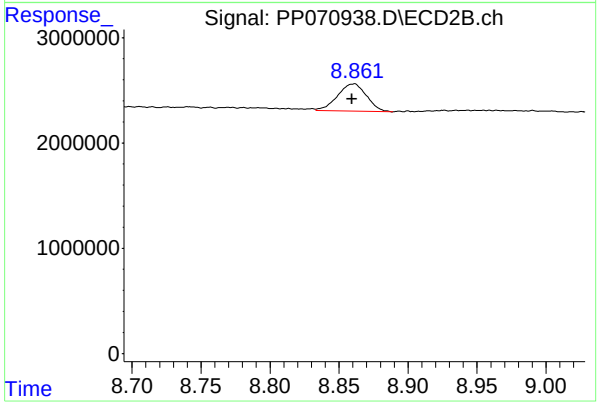

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 5336776
Conc: 4.72 ng/ml



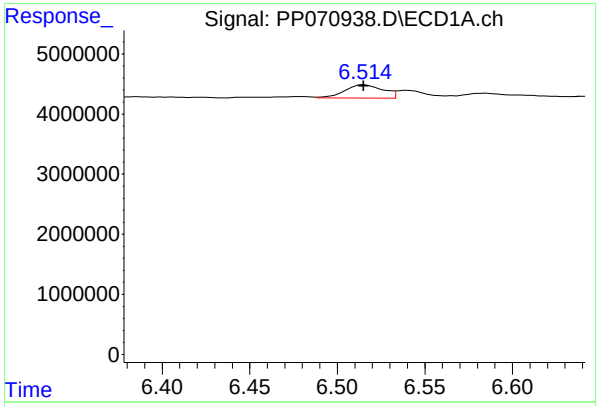

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.002 min
Response: 5177583
Conc: 4.43 ng/ml




#2 Decachlorobiphenyl

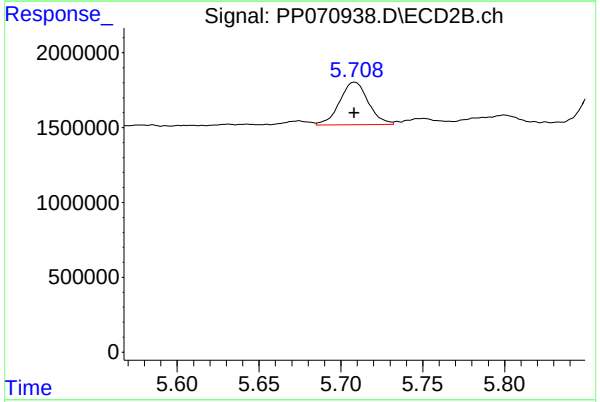
R.T.: 8.861 min
Delta R.T.: 0.001 min
Response: 3796388
Conc: 4.45 ng/ml




#26 AR-1254-1

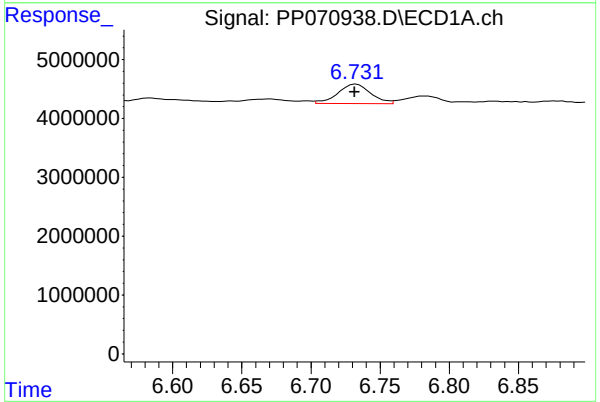
R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 3322396
Conc: 51.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



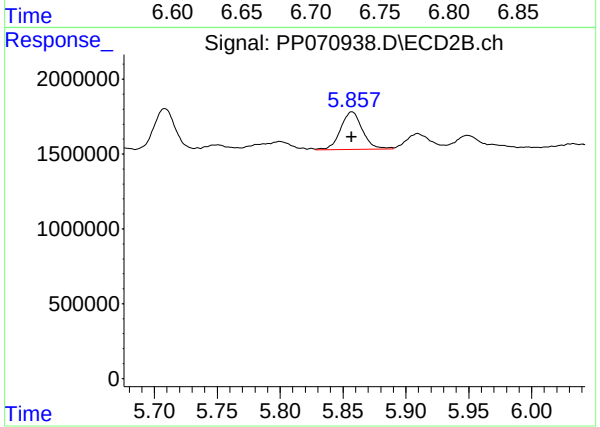

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 3474548
Conc: 51.69 ng/ml



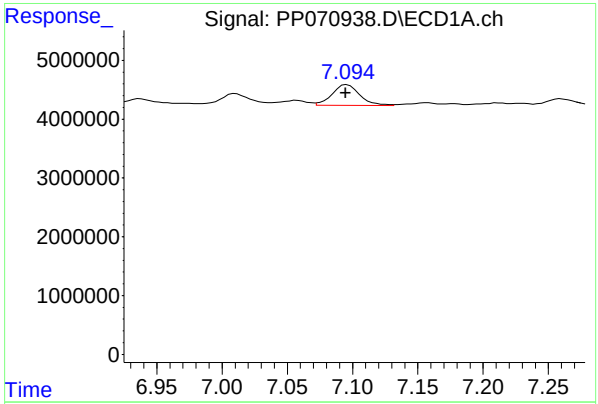

#27 AR-1254-2

R.T.: 6.733 min
Delta R.T.: 0.001 min
Response: 5410437
Conc: 53.32 ng/ml




#27 AR-1254-2

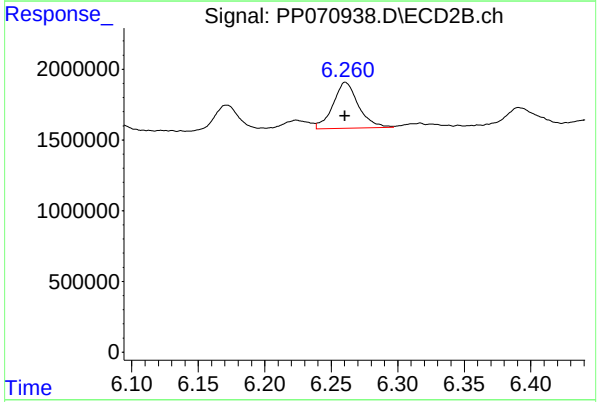
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 3036515
Conc: 52.17 ng/ml




#28 AR-1254-3

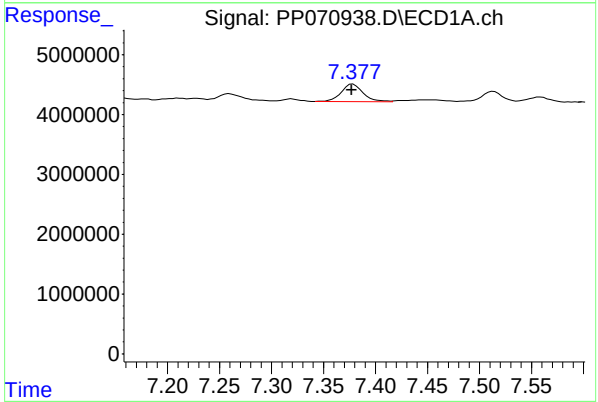
R.T.: 7.096 min
Delta R.T.: 0.001 min
Response: 5249564
Conc: 52.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050



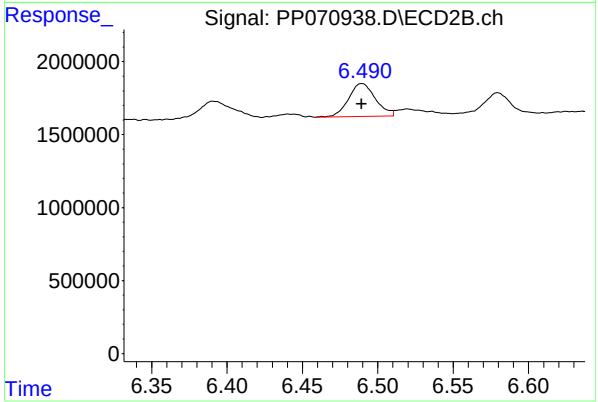

#28 AR-1254-3

R.T.: 6.261 min
Delta R.T.: 0.000 min
Response: 4313044
Conc: 47.83 ng/ml



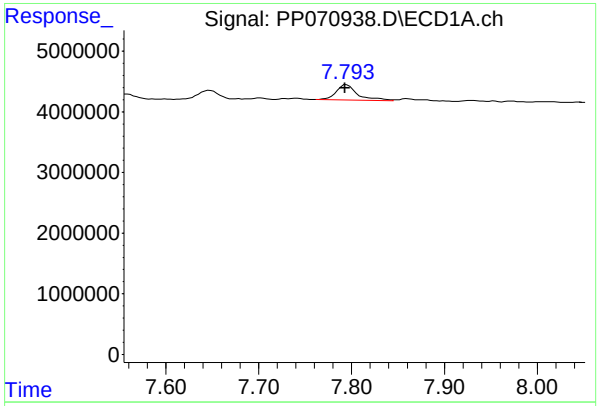

#29 AR-1254-4

R.T.: 7.378 min
Delta R.T.: 0.001 min
Response: 4268685
Conc: 48.62 ng/ml




#29 AR-1254-4

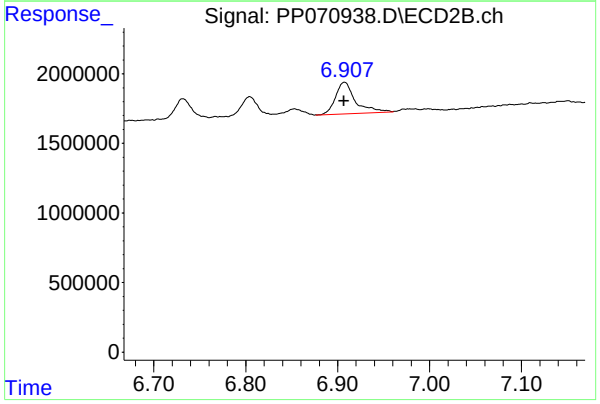
R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 2787399
Conc: 47.85 ng/ml




#30 AR-1254-5

R.T.: 7.794 min
Delta R.T.: 0.002 min
Response: 4173507
Conc: 51.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 3458194
Conc: 45.98 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:32
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.512 | 3.816 | 78302128 | 53762587 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.226 | 8.859 | 57984668 | 42902548 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 8.093 | 6.945 | 53150122 | 42781773 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.412 | 7.205 | 99191436 | 34232243 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 8.729 | 7.729 | 65870896 | 30361758 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 8.817 | 7.793 | 47807443 | 49703360 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.469 | 8.294 | 32533206 | 23435811 | 500.000 | 500.000 |

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

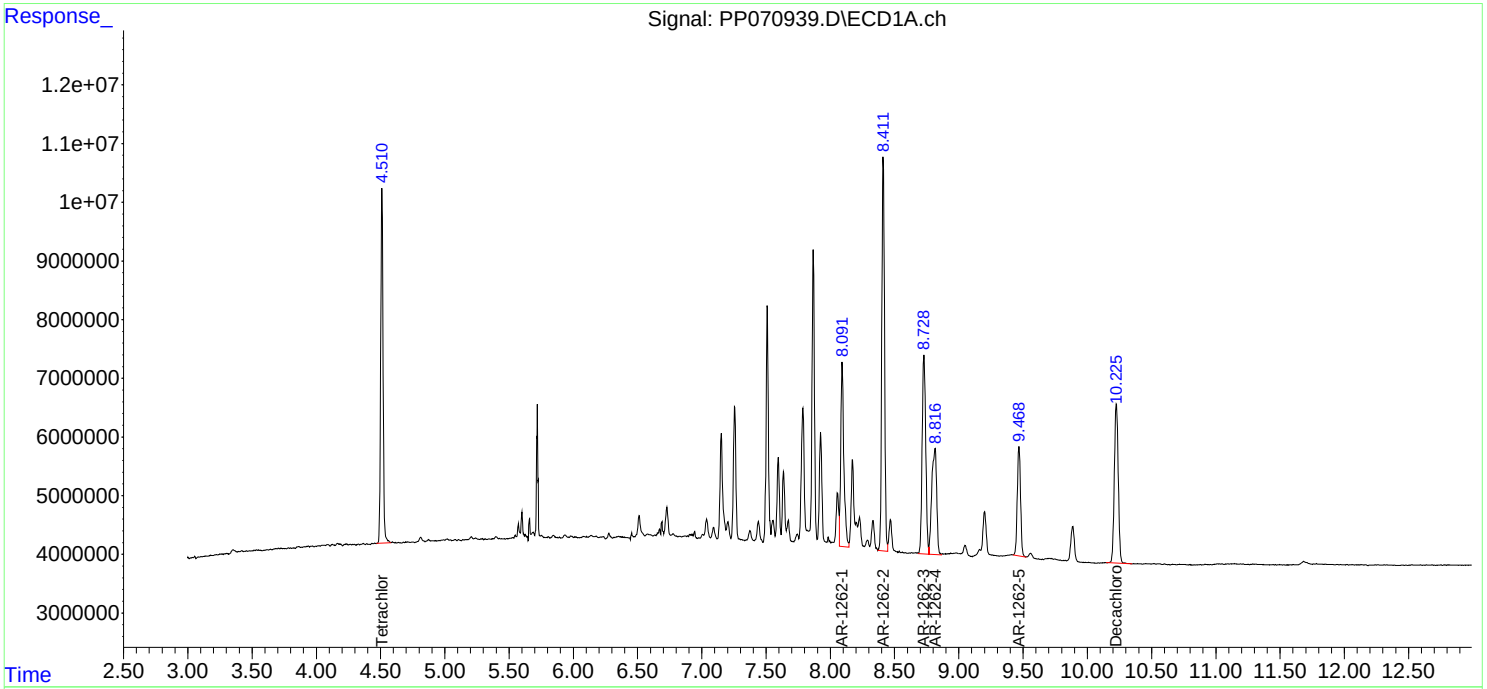
ICAL Form

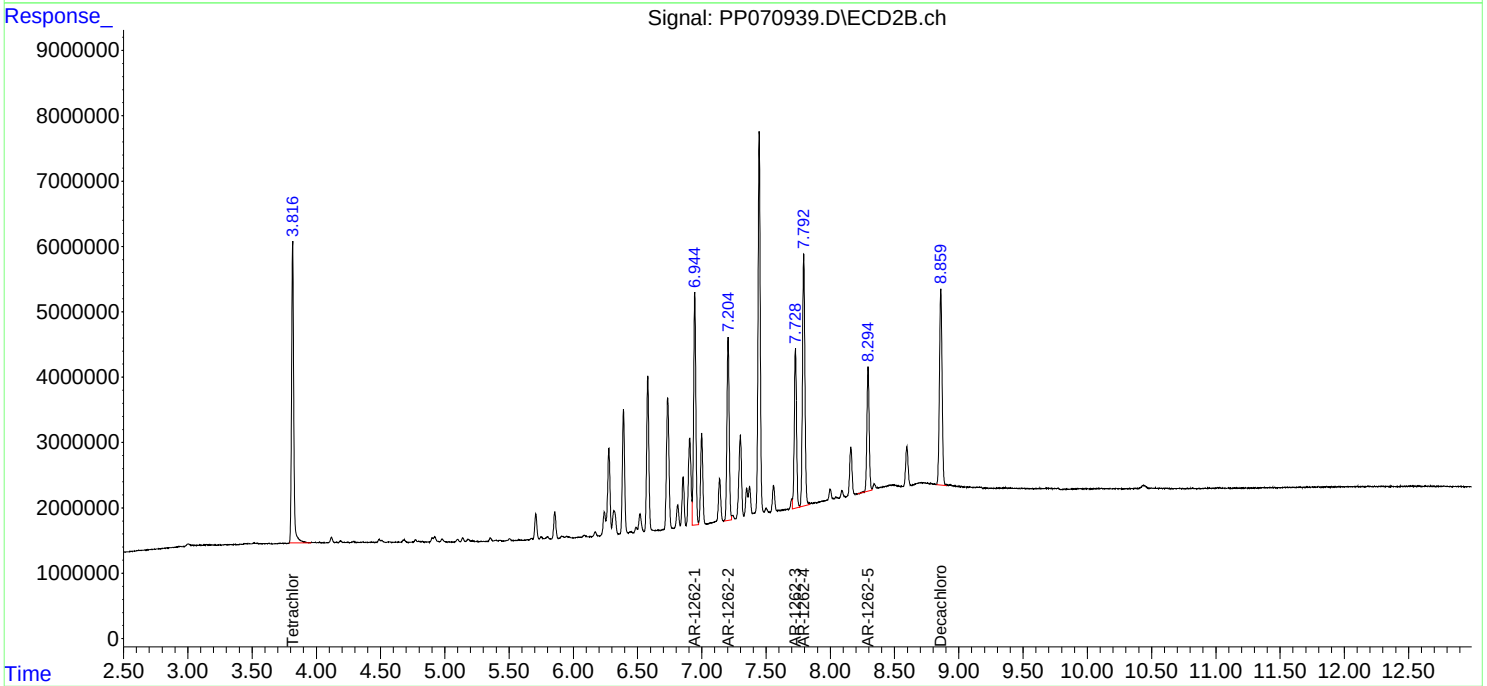
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:32
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

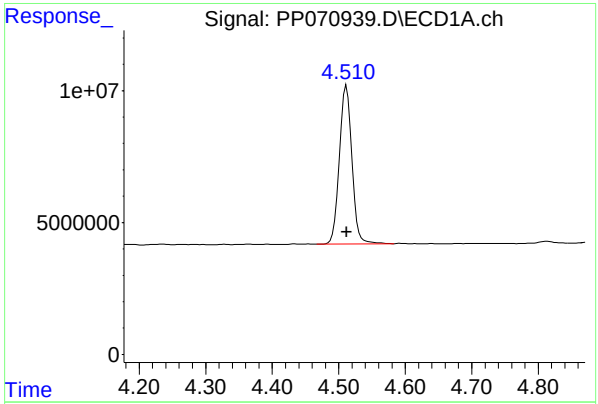
**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:04:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



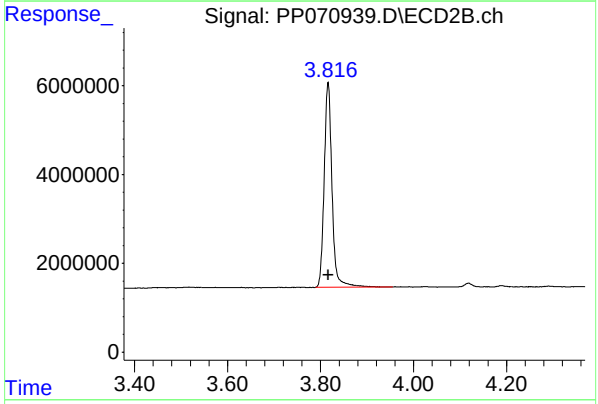






#1 Tetrachloro-m-xylene

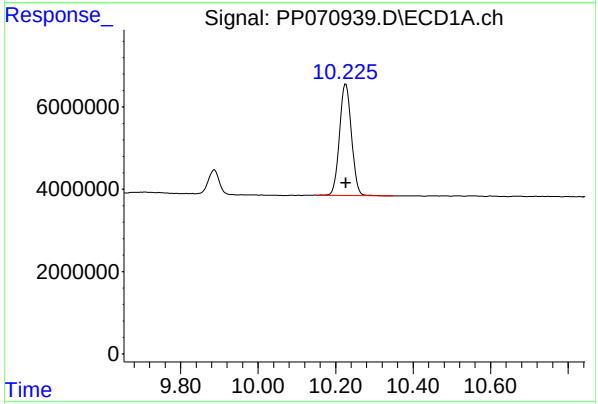
R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 78302128
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



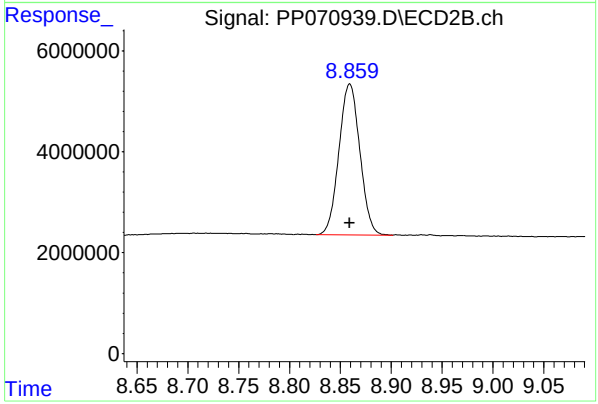

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 53762587
Conc: 50.00 ng/ml



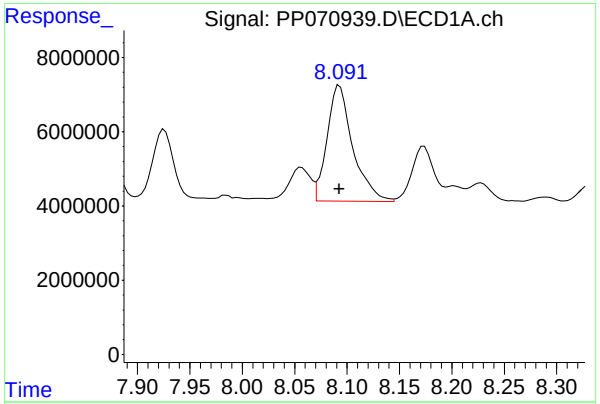

#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 57984668
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

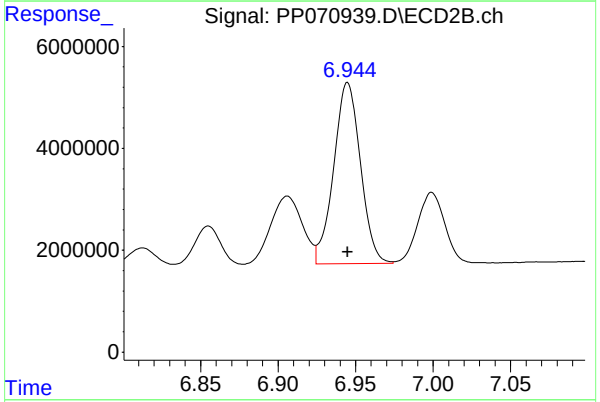
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 42902548
Conc: 50.00 ng/ml




#36 AR-1262-1

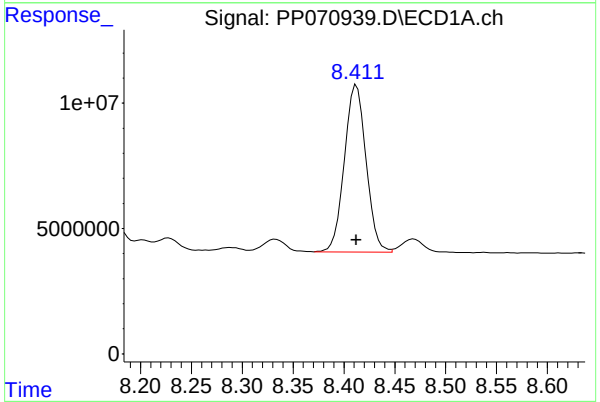
R.T.: 8.093 min
Delta R.T.: 0.000 min
Response: 53150122
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



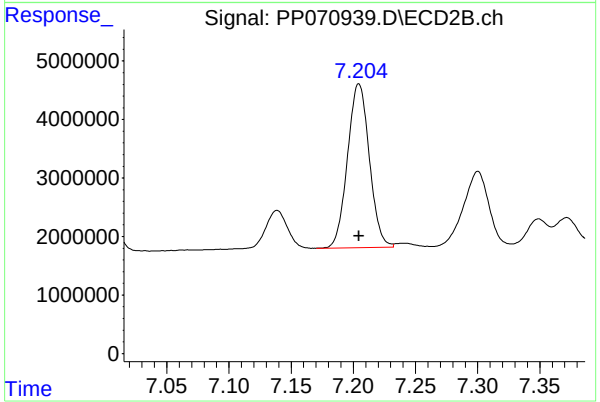

#36 AR-1262-1

R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 42781773
Conc: 500.00 ng/ml



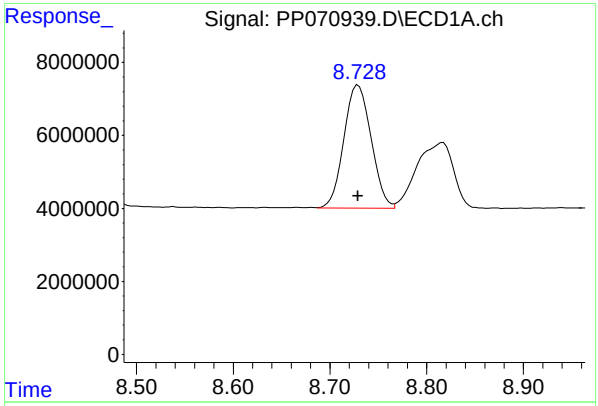

#37 AR-1262-2

R.T.: 8.412 min
Delta R.T.: 0.000 min
Response: 99191436
Conc: 500.00 ng/ml




#37 AR-1262-2

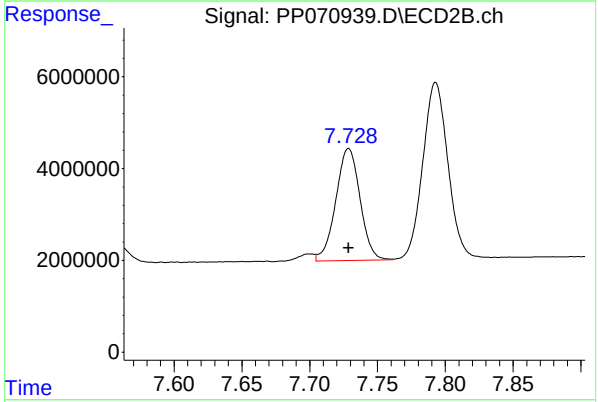
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 34232243
Conc: 500.00 ng/ml




#38 AR-1262-3

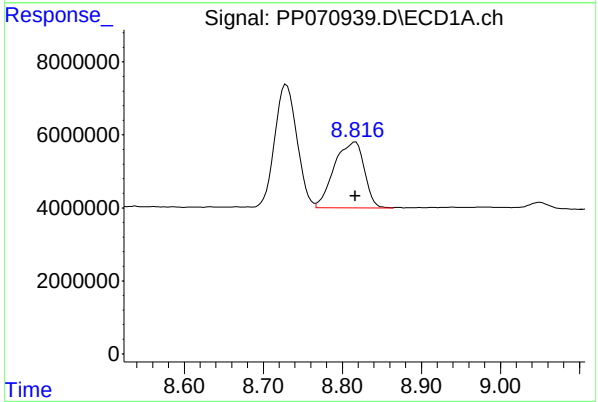
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 65870896
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500



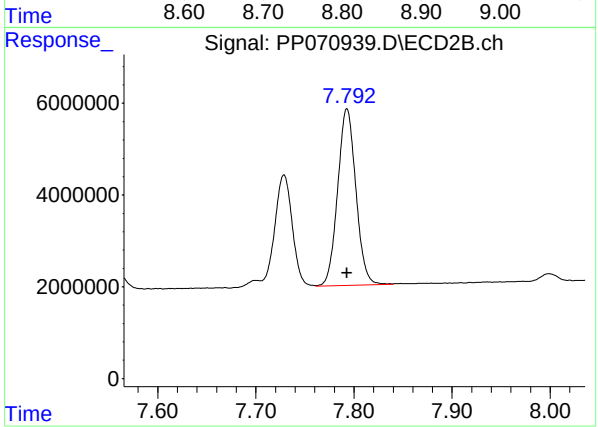

#38 AR-1262-3

R.T.: 7.729 min
Delta R.T.: 0.000 min
Response: 30361758
Conc: 500.00 ng/ml



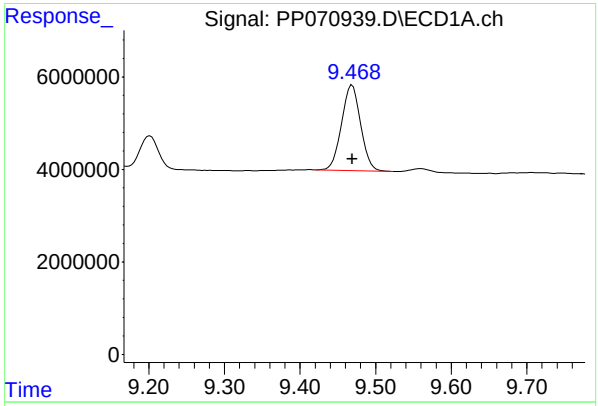

#39 AR-1262-4

R.T.: 8.817 min
Delta R.T.: 0.000 min
Response: 47807443
Conc: 500.00 ng/ml




#39 AR-1262-4

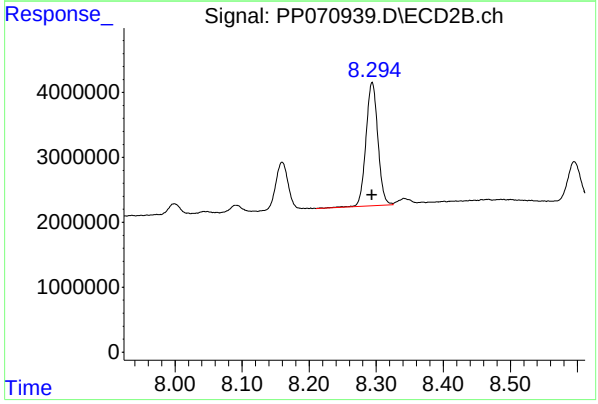
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 49703360
Conc: 500.00 ng/ml




#40 AR-1262-5

R.T.: 9.469 min
Delta R.T.: 0.000 mi
Response: 32533206
Conc: 500.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500




#40 AR-1262-5

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 23435811
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.516 | 3.817 | 152.3E6 | 105.1E6 | 94.769 | 94.009 |
| 2) | SA Decachlor... | 10.232 | 8.860 | 195.7E6 | 148.5E6 | 93.377 | 94.968 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 226.6E6 | 165.4E6 | 945.404 | 946.509m |
| 42) | L9 AR-1268-2 | 8.824 | 7.795 | 190.4E6 | 137.8E6 | 950.797 | 945.407 |
| 43) | L9 AR-1268-3 | 9.056 | 8.001 | 163.6E6 | 120.1E6 | 940.749 | 965.766 |
| 44) | L9 AR-1268-4 | 9.474 | 8.295 | 70377008 | 51096977 | 960.945 | 957.859 |
| 45) | L9 AR-1268-5 | 9.891 | 8.596 | 459.6E6 | 357.1E6 | 952.414 | 962.556 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

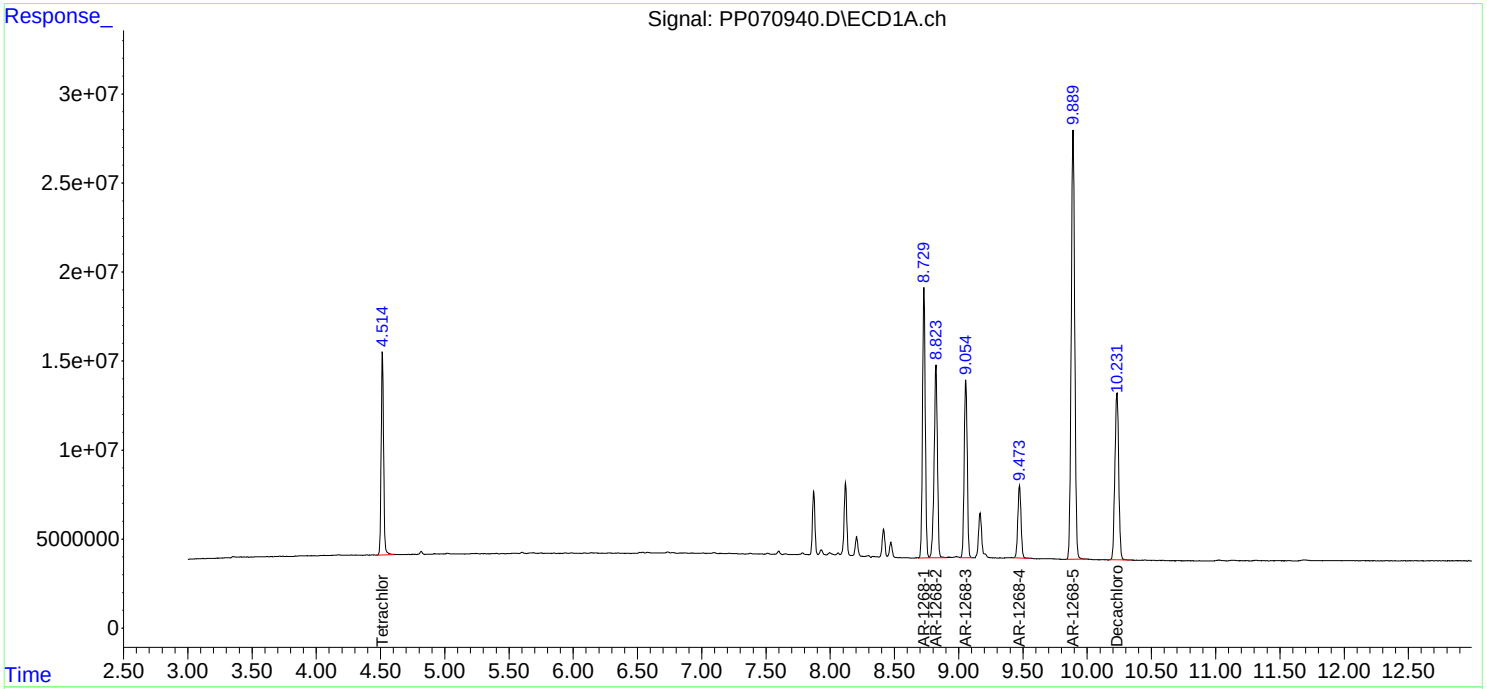
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

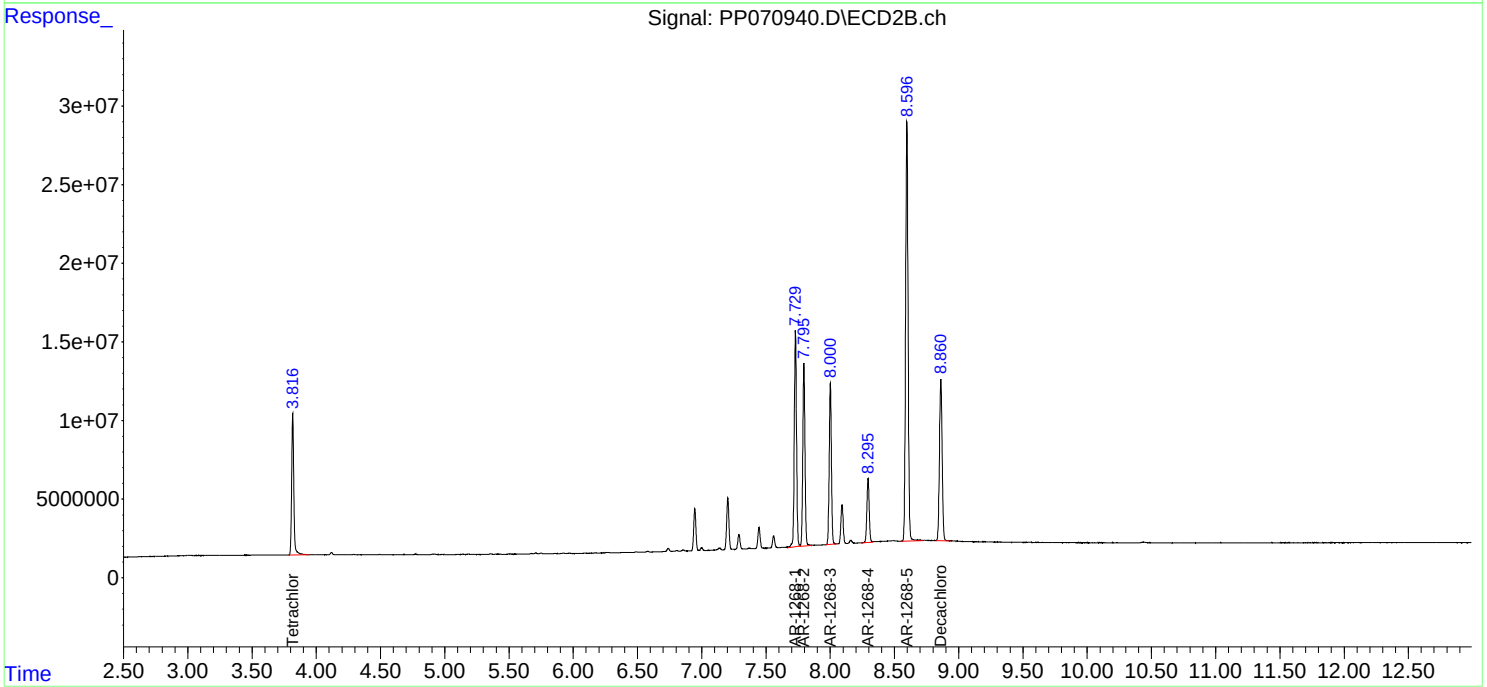
**Manual Integrations APPROVED**

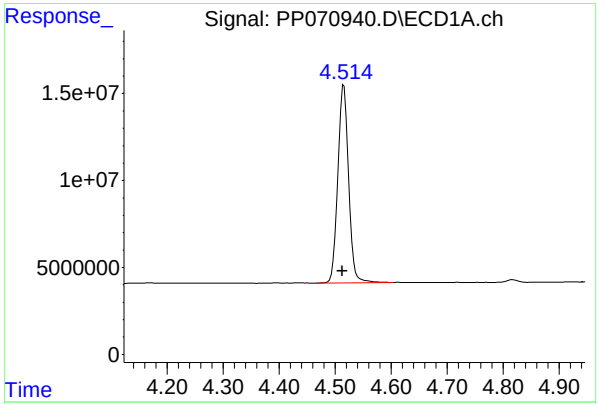
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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





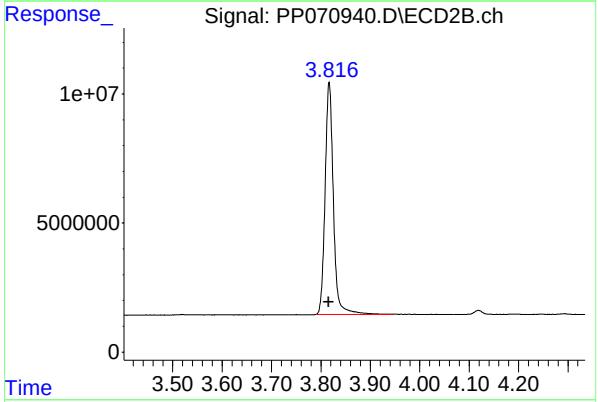

#1 Tetrachloro-m-xylene

R.T.: 4.516 min
Delta R.T.: 0.003 min
Response: 152348529
Conc: 94.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

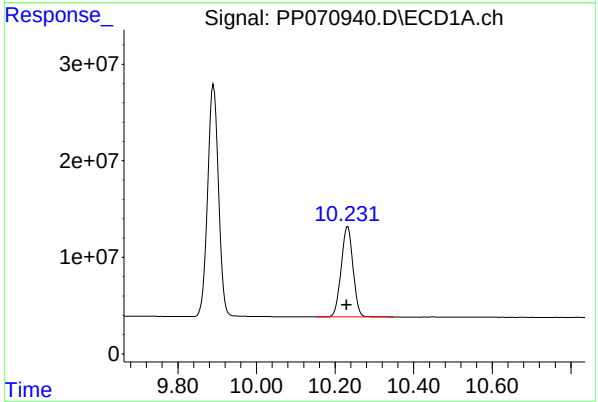
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



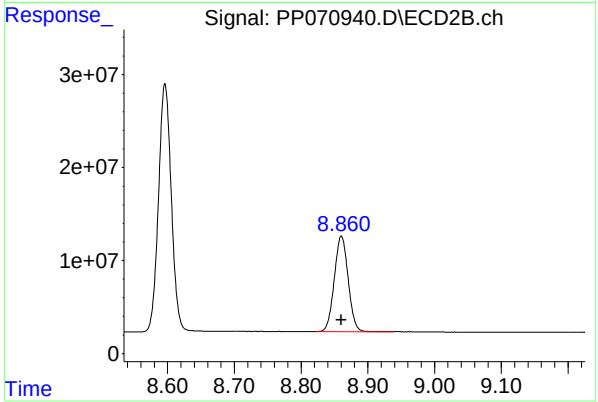

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 105128984
Conc: 94.01 ng/ml



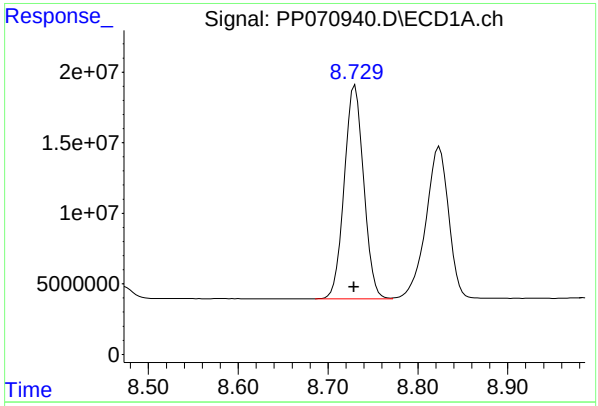

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 195698435
Conc: 93.38 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 148482089
Conc: 94.97 ng/ml



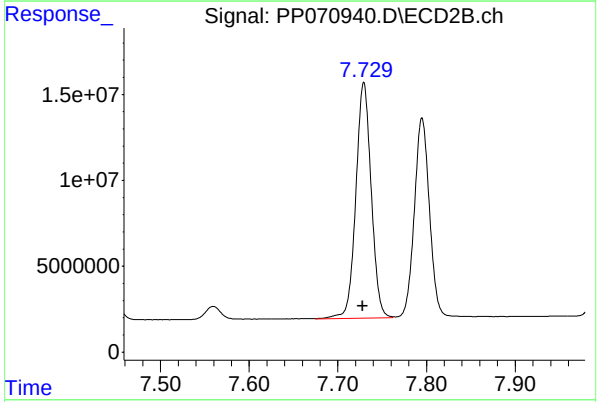

#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.001 mi
Response: 226575551
Conc: 945.40 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

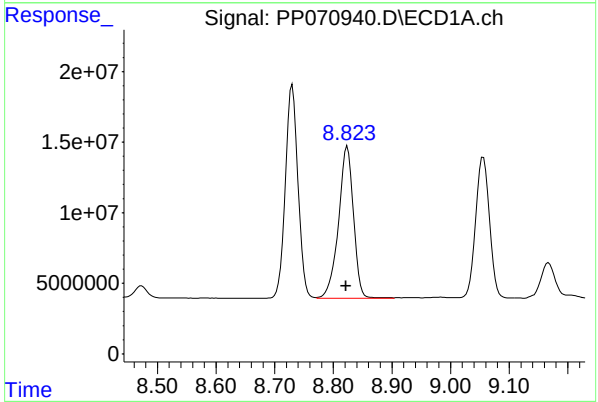
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



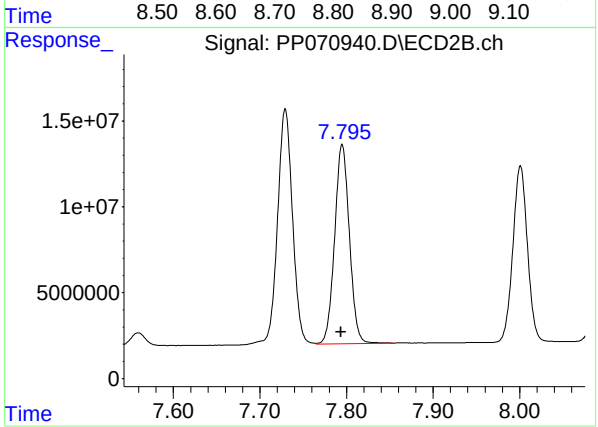

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 165356134
Conc: 946.51 ng/ml m



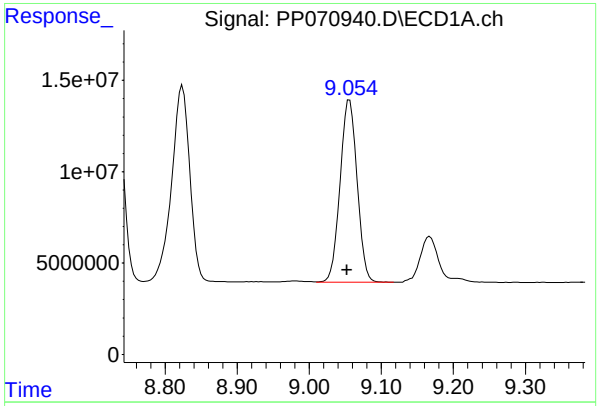

#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.003 min
Response: 190380276
Conc: 950.80 ng/ml




#42 AR-1268-2

R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 137801505
Conc: 945.41 ng/ml



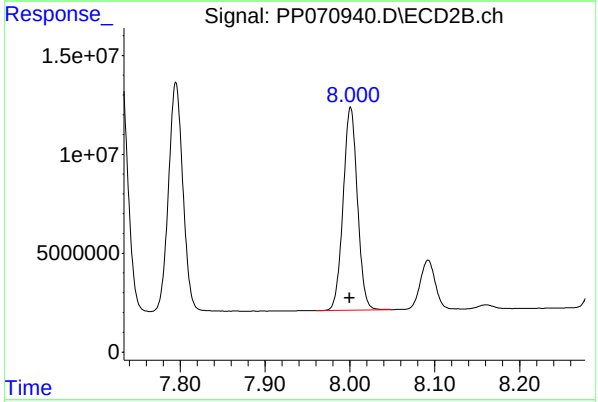

#43 AR-1268-3

R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 163648333
Conc: 940.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

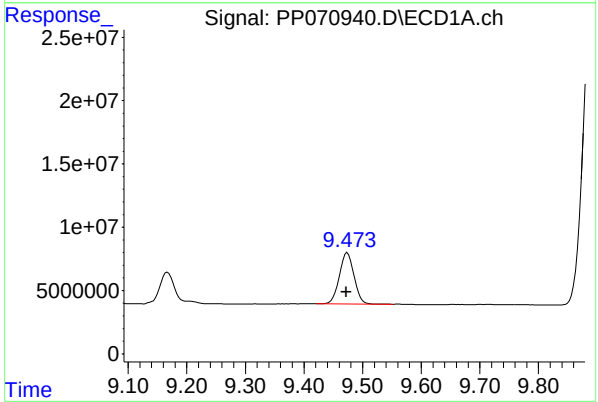
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



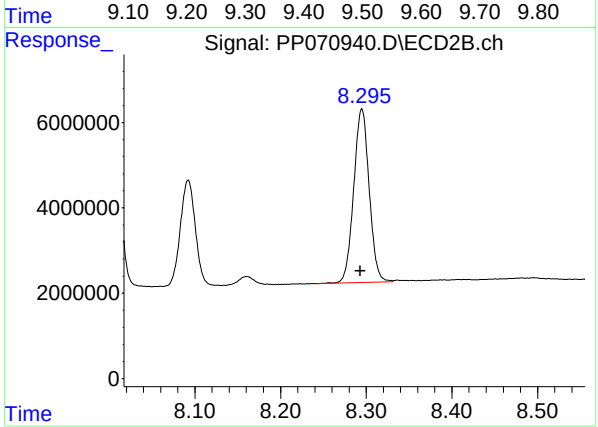

#43 AR-1268-3

R.T.: 8.001 min
Delta R.T.: 0.001 min
Response: 120132746
Conc: 965.77 ng/ml



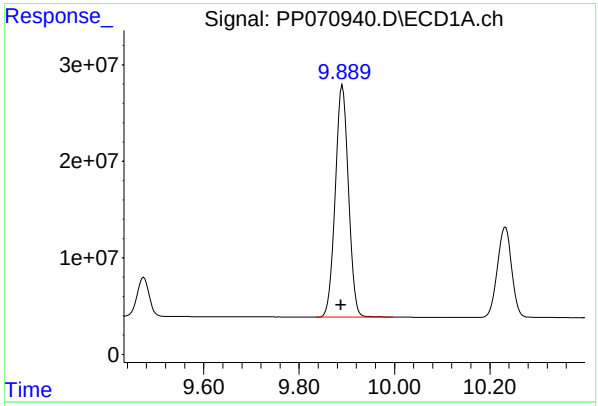

#44 AR-1268-4

R.T.: 9.474 min
Delta R.T.: 0.002 min
Response: 70377008
Conc: 960.95 ng/ml




#44 AR-1268-4

R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 51096977
Conc: 957.86 ng/ml



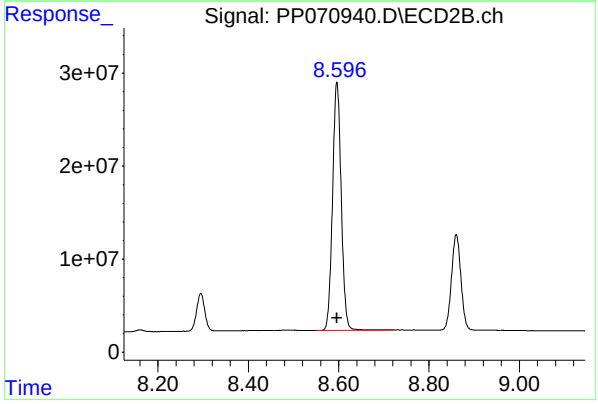

#45 AR-1268-5

R.T.: 9.891 min
Delta R.T.: 0.003 min
Response: 459553484
Conc: 952.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 357060145
Conc: 962.56 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.514 | 3.817 | 119.6E6 | 83914927 | 74.397 | 75.039 |
| 2) | SA Decachlor... | 10.230 | 8.861 | 154.1E6 | 118.4E6 | 73.551 | 75.751 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 178.4E6 | 131.7E6 | 744.578 | 753.609m |
| 42) | L9 AR-1268-2 | 8.823 | 7.795 | 149.2E6 | 110.8E6 | 745.140 | 760.189 |
| 43) | L9 AR-1268-3 | 9.055 | 8.000 | 128.8E6 | 95630424 | 740.439 | 768.788 |
| 44) | L9 AR-1268-4 | 9.473 | 8.294 | 55249435 | 40878954 | 754.389 | 766.313 |
| 45) | L9 AR-1268-5 | 9.890 | 8.596 | 361.2E6 | 282.2E6 | 748.577 | 760.668 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

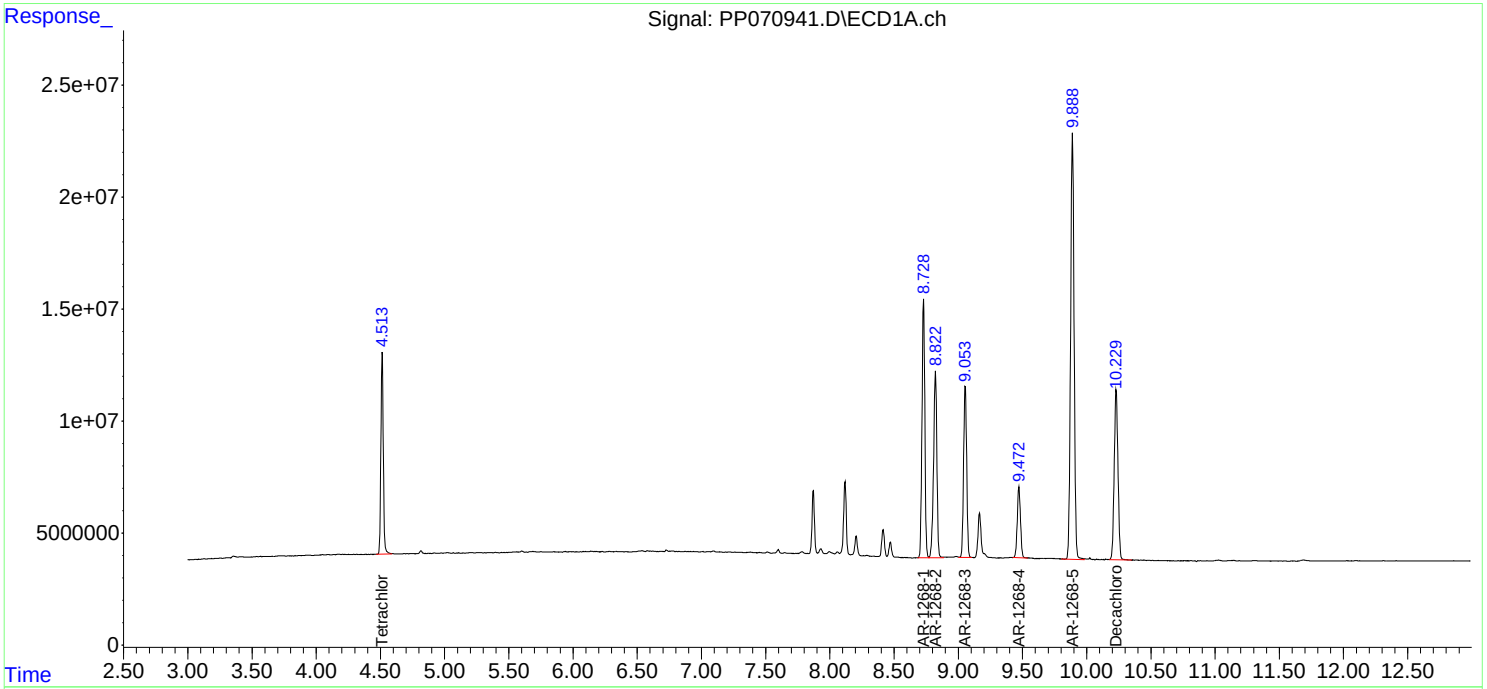
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

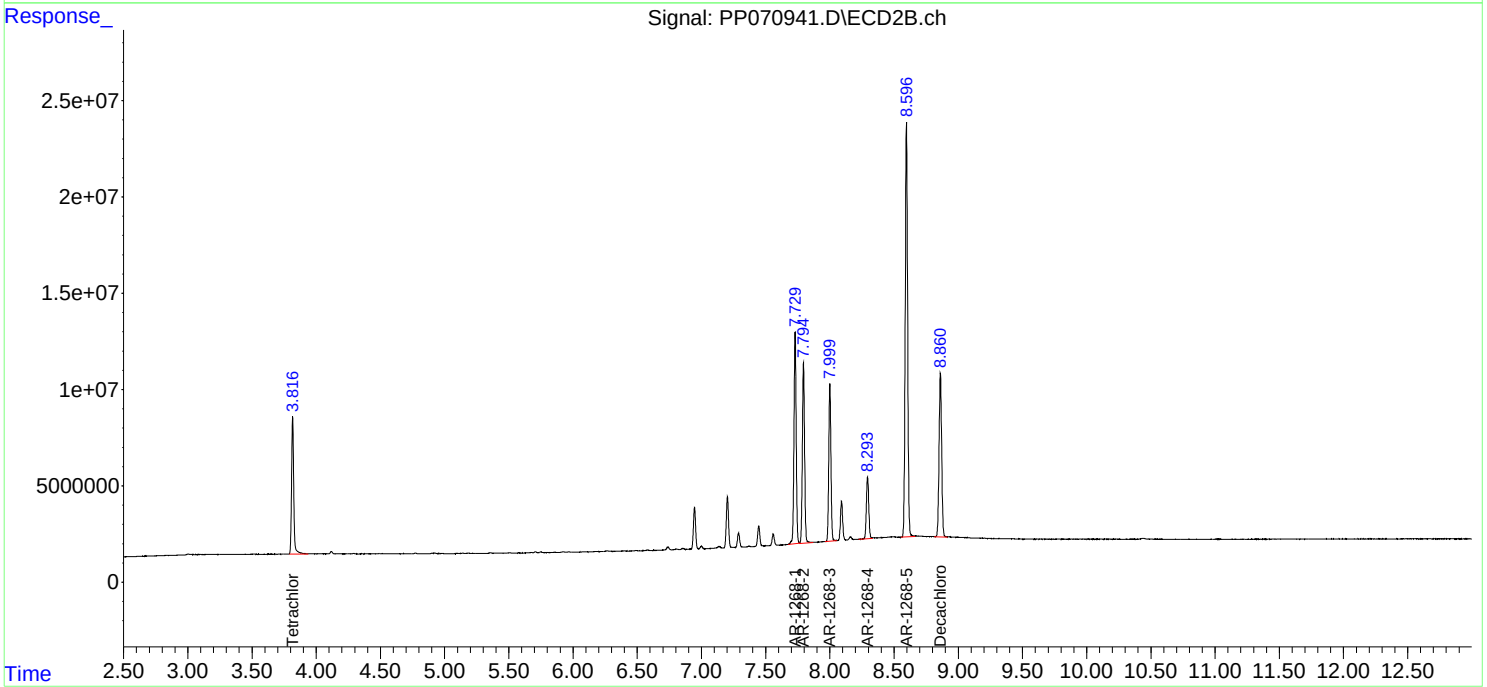
**Manual Integrations APPROVED**

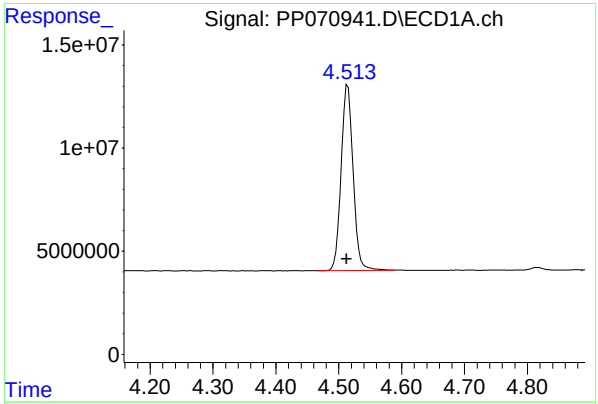
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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





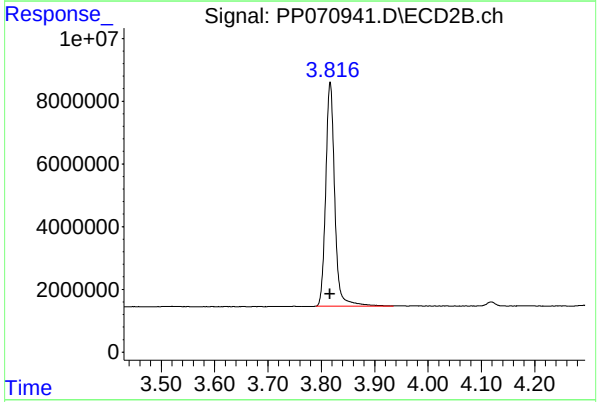

#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.001 min
Response: 119597931
Conc: 74.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

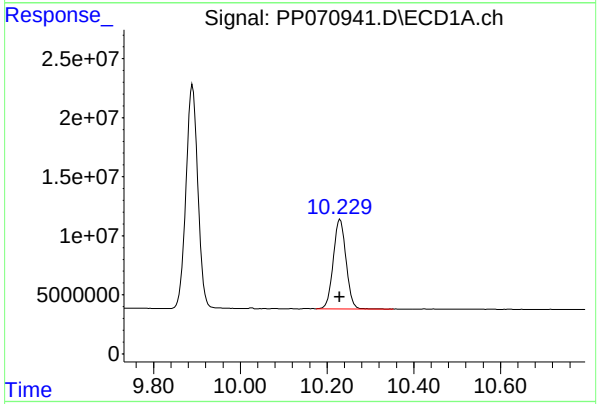
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



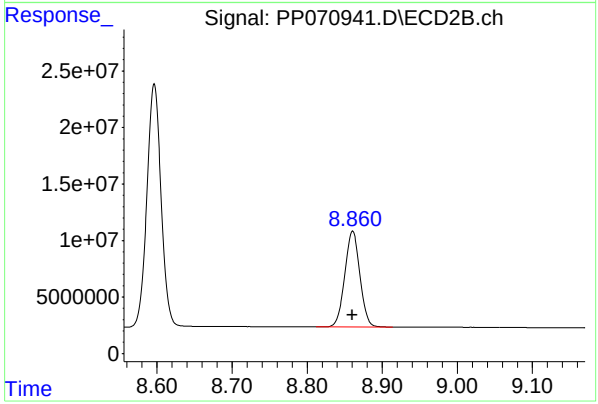

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 83914927
Conc: 75.04 ng/ml



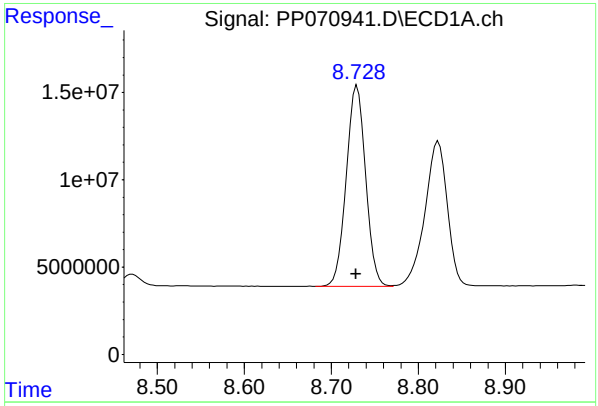

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 154146813
Conc: 73.55 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 118436920
Conc: 75.75 ng/ml



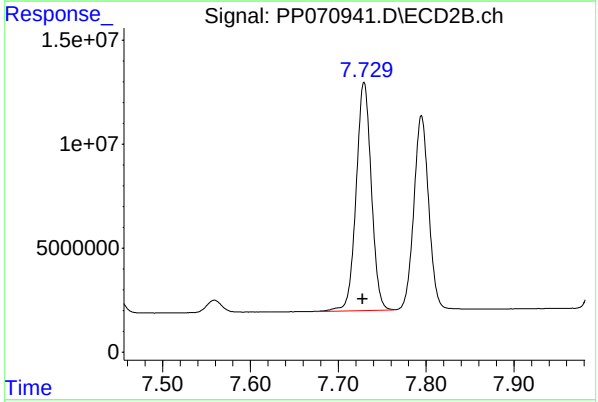

#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.001 mi
Response: 178445590
Conc: 744.58 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

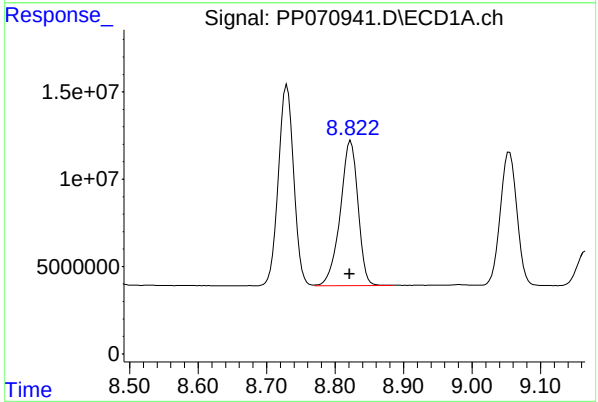
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



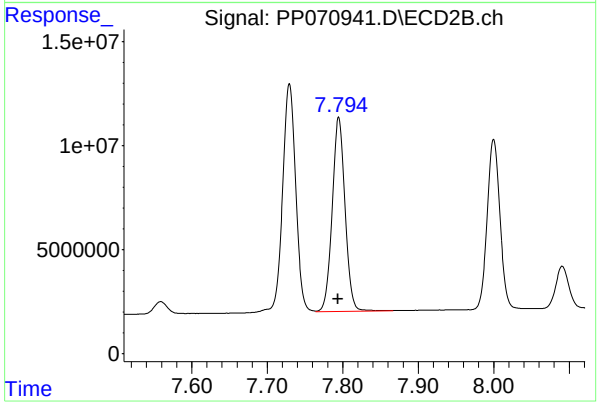

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 131656350
Conc: 753.61 ng/ml m



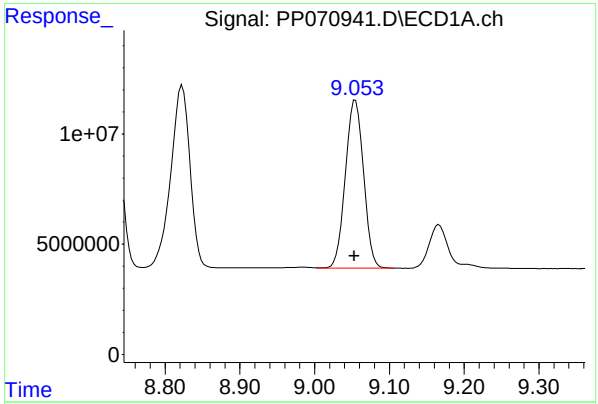

#42 AR-1268-2

R.T.: 8.823 min
Delta R.T.: 0.002 min
Response: 149201176
Conc: 745.14 ng/ml




#42 AR-1268-2

R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 110804324
Conc: 760.19 ng/ml



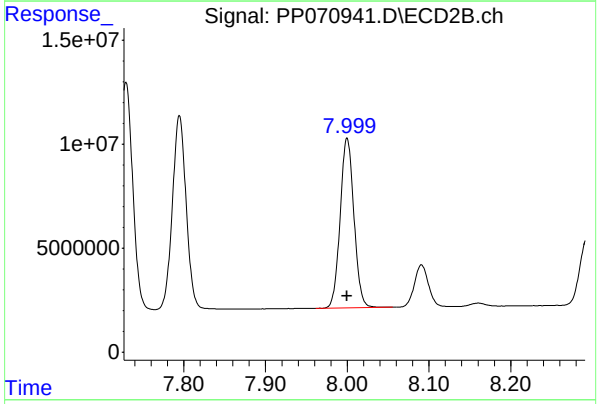

#43 AR-1268-3

R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 128803338
Conc: 740.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

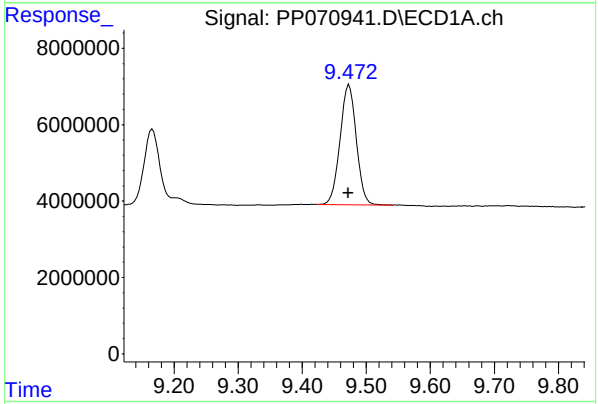
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



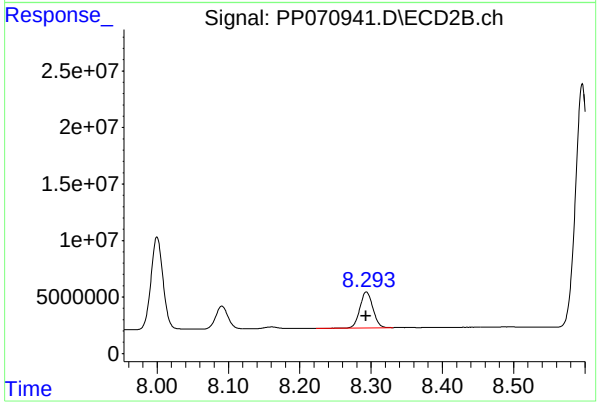

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 95630424
Conc: 768.79 ng/ml



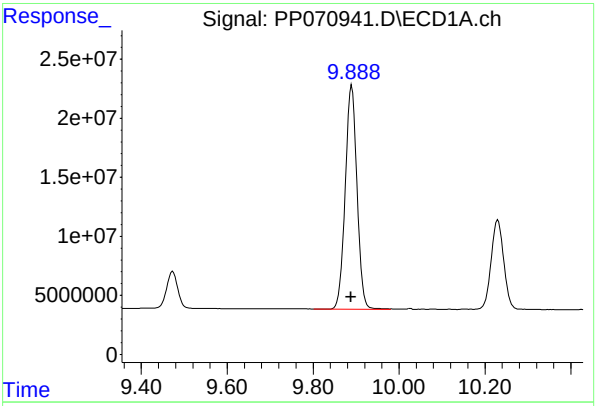

#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.001 min
Response: 55249435
Conc: 754.39 ng/ml




#44 AR-1268-4

R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 40878954
Conc: 766.31 ng/ml



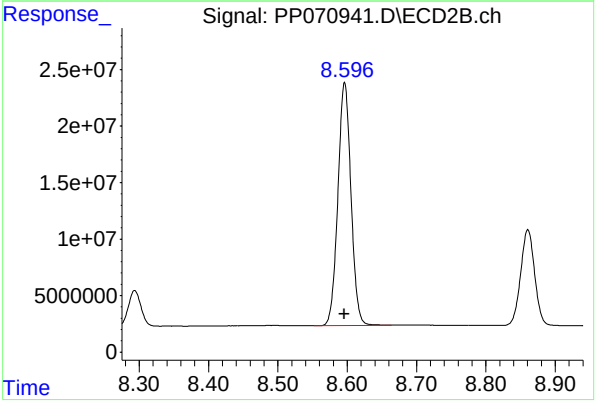

#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 mi
Response: 361198889
Conc: 748.58 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 282169730
Conc: 760.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.513 | 3.816 | 80378727 | 55914176 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.230 | 8.860 | 104.8E6 | 78175161 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.729 | 7.728 | 119.8E6 | 87376833 | 500.000 | 500.150m |
| 42) | L9 AR-1268-2 | 8.821 | 7.793 | 100.1E6 | 72879434 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.053 | 8.000 | 86977678 | 62195601 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.472 | 8.293 | 36618642 | 26672497 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.888 | 8.596 | 241.3E6 | 185.5E6 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

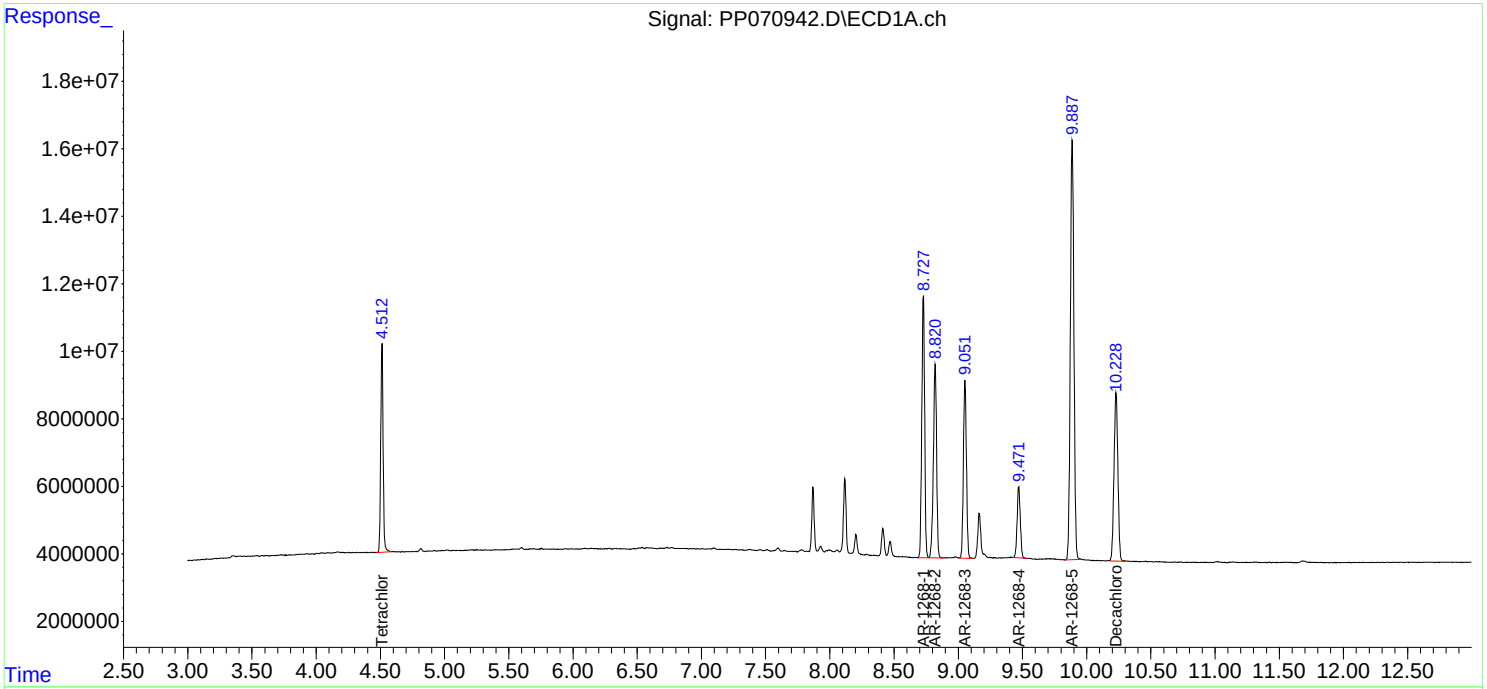
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

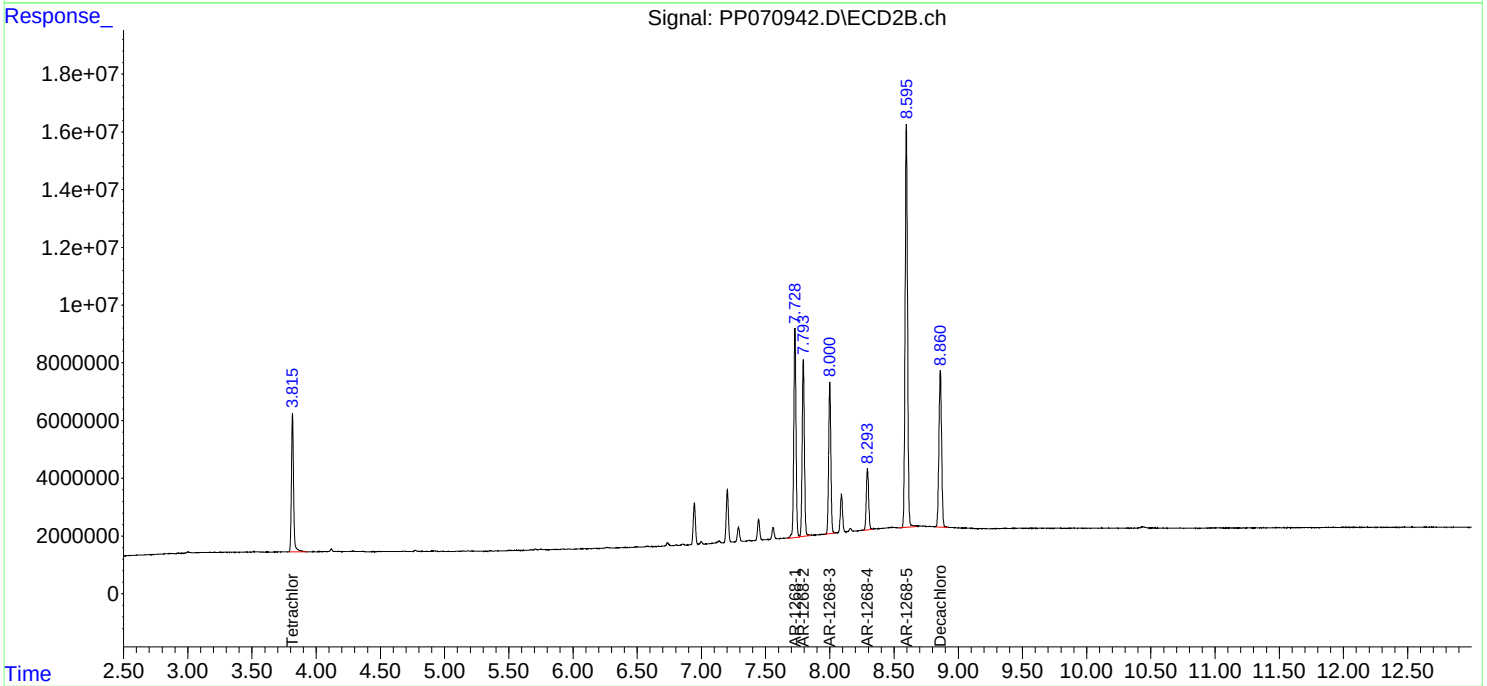
**Manual Integrations APPROVED**

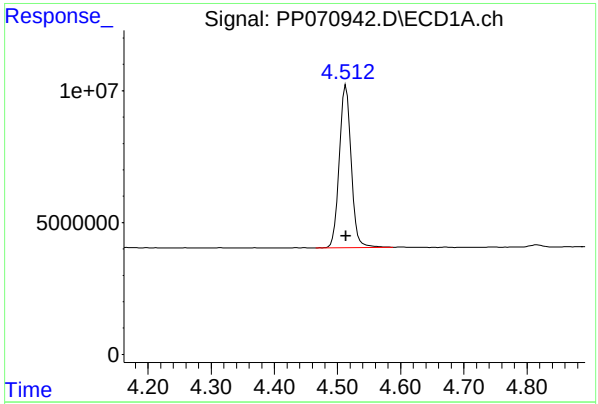
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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





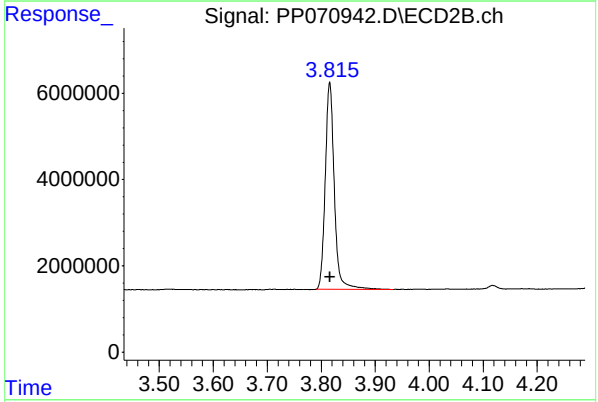

#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: 0.000 mi
Response: 80378727
Conc: 50.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

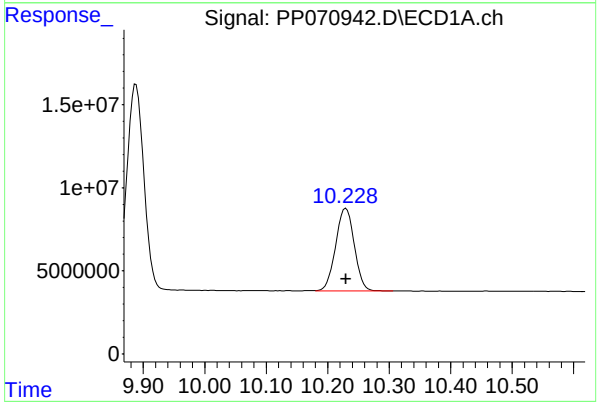
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



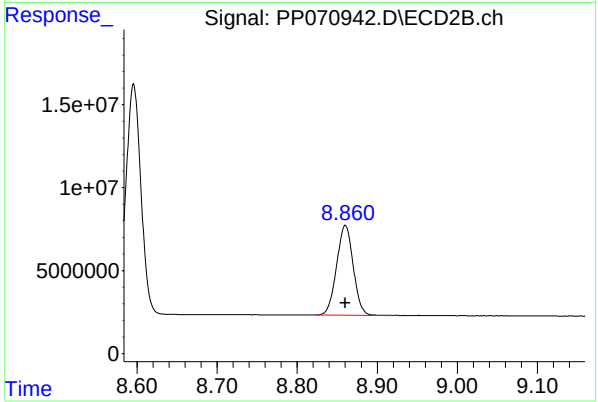

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55914176
Conc: 50.00 ng/ml



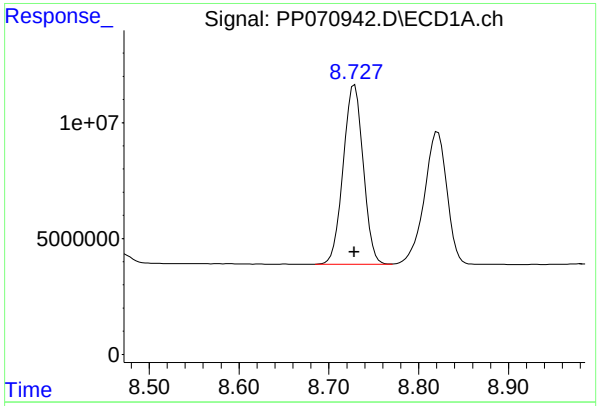

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 104789095
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78175161
Conc: 50.00 ng/ml



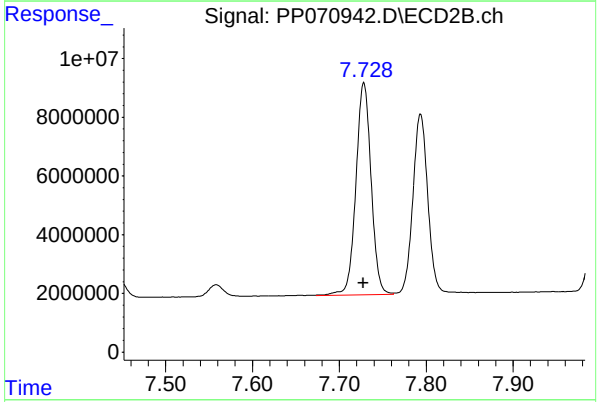

#41 AR-1268-1

R.T.: 8.729 min
Delta R.T.: 0.000 mi
Response: 119830016
Conc: 500.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

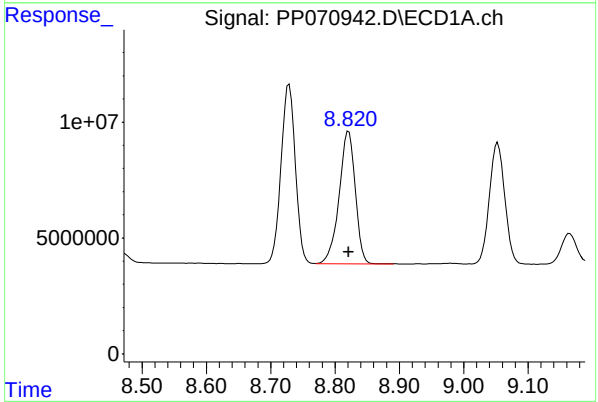
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



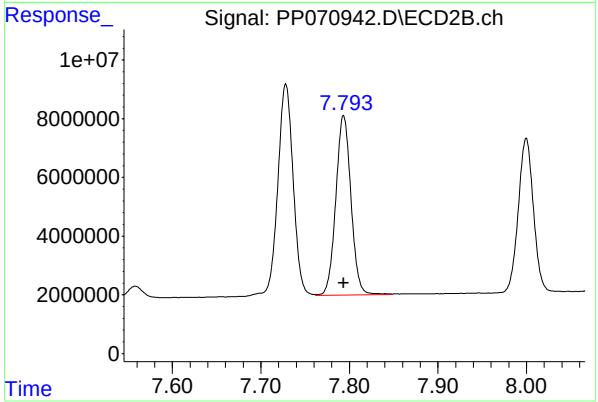

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 87376833
Conc: 500.15 ng/ml m



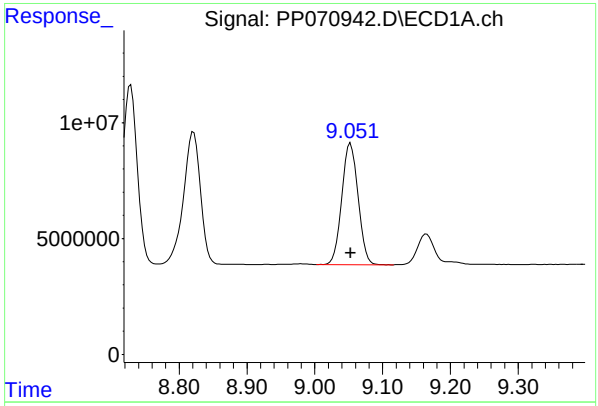

#42 AR-1268-2

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 100116173
Conc: 500.00 ng/ml




#42 AR-1268-2

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 72879434
Conc: 500.00 ng/ml



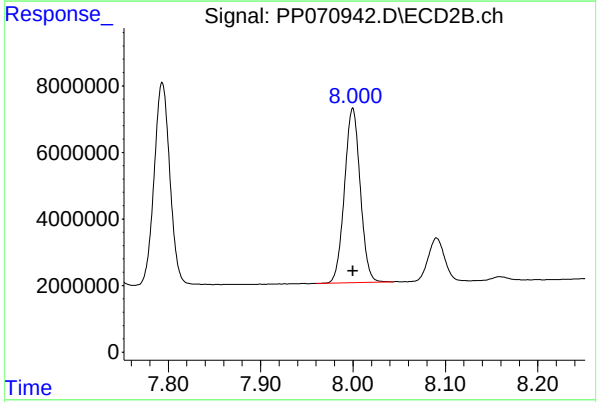

#43 AR-1268-3

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 86977678
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

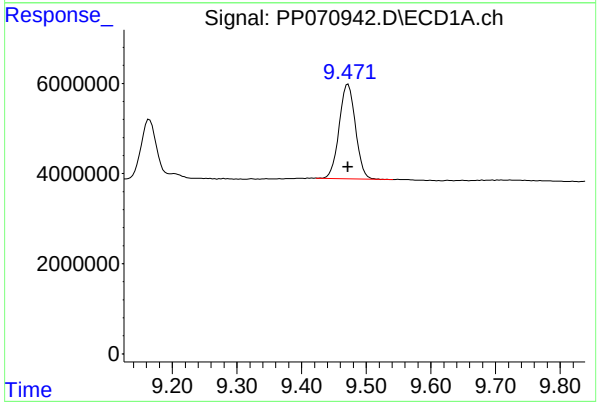
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



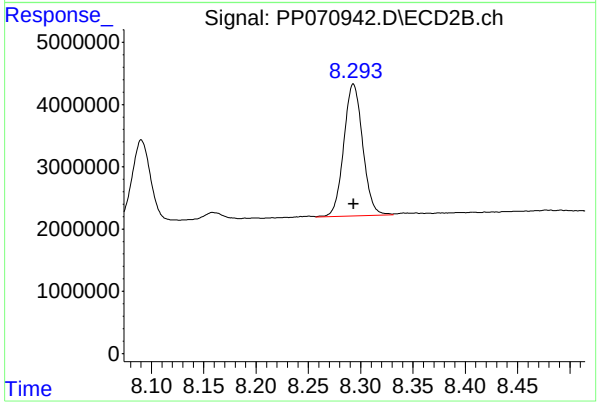

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 62195601
Conc: 500.00 ng/ml



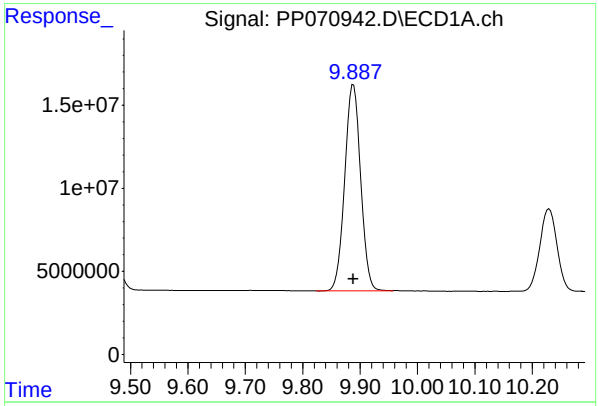

#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 36618642
Conc: 500.00 ng/ml




#44 AR-1268-4

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 26672497
Conc: 500.00 ng/ml



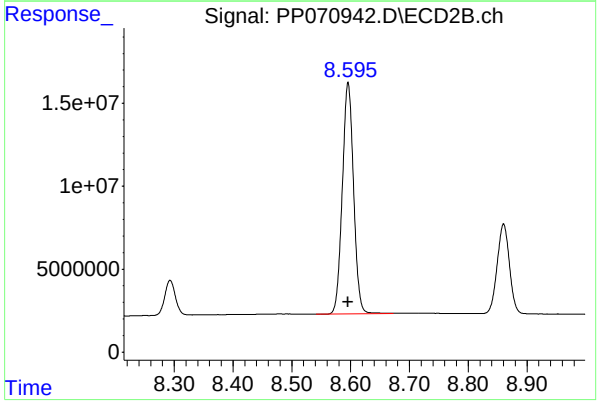

#45 AR-1268-5

R.T.: 9.888 min
Delta R.T.: 0.000 min
Response: 241257148
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 185474929
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.515 | 3.817 | 41125313 | 29588552 | 25.582 | 26.459 |
| 2) | SA Decachlor... | 10.232 | 8.859 | 54285349 | 40518249 | 25.902 | 25.915 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 61973048 | 44233672 | 258.587 | 253.196m |
| 42) | L9 AR-1268-2 | 8.824 | 7.794 | 51237231 | 36694564 | 255.889 | 251.748 |
| 43) | L9 AR-1268-3 | 9.055 | 8.000 | 44311644 | 31811936 | 254.730 | 255.741 |
| 44) | L9 AR-1268-4 | 9.473 | 8.295 | 18700738 | 13922493 | 255.345 | 260.990 |
| 45) | L9 AR-1268-5 | 9.890 | 8.596 | 124.6E6 | 91636186 | 258.260 | 247.031 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

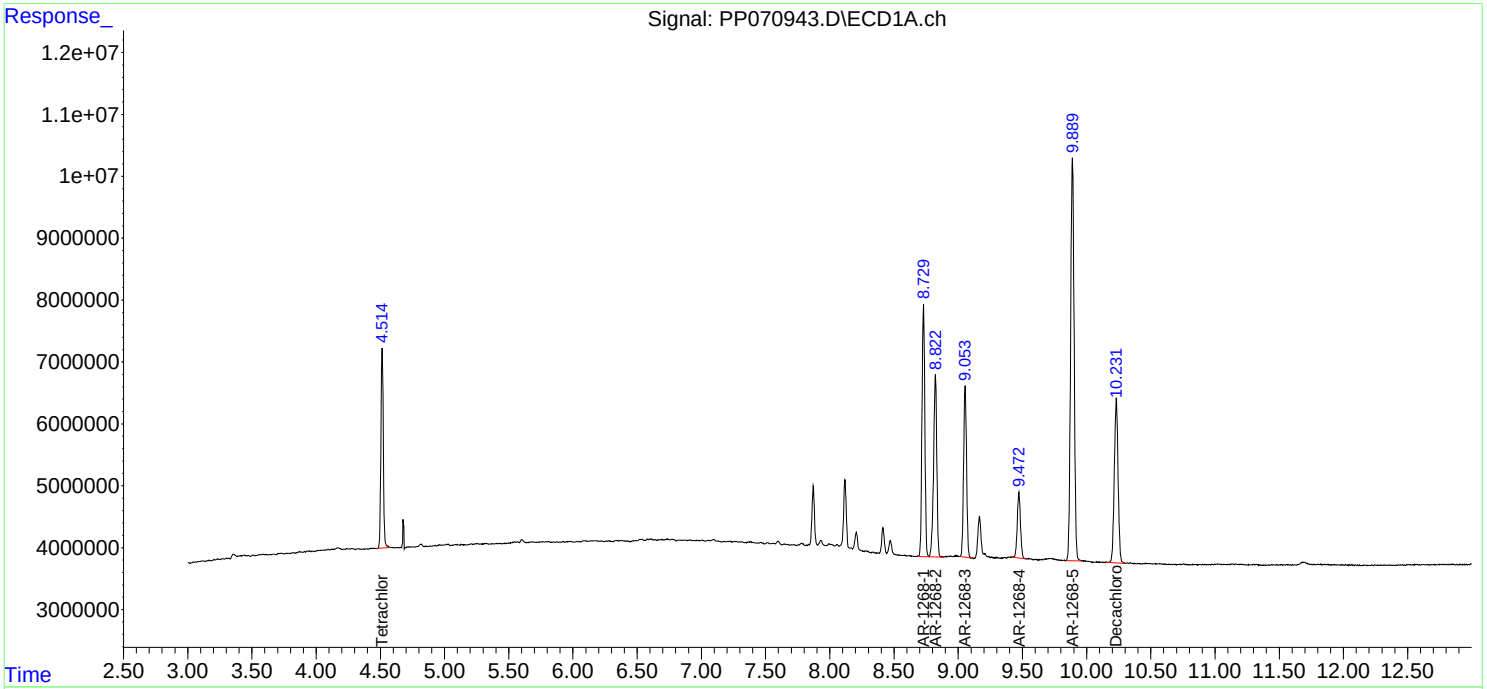
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

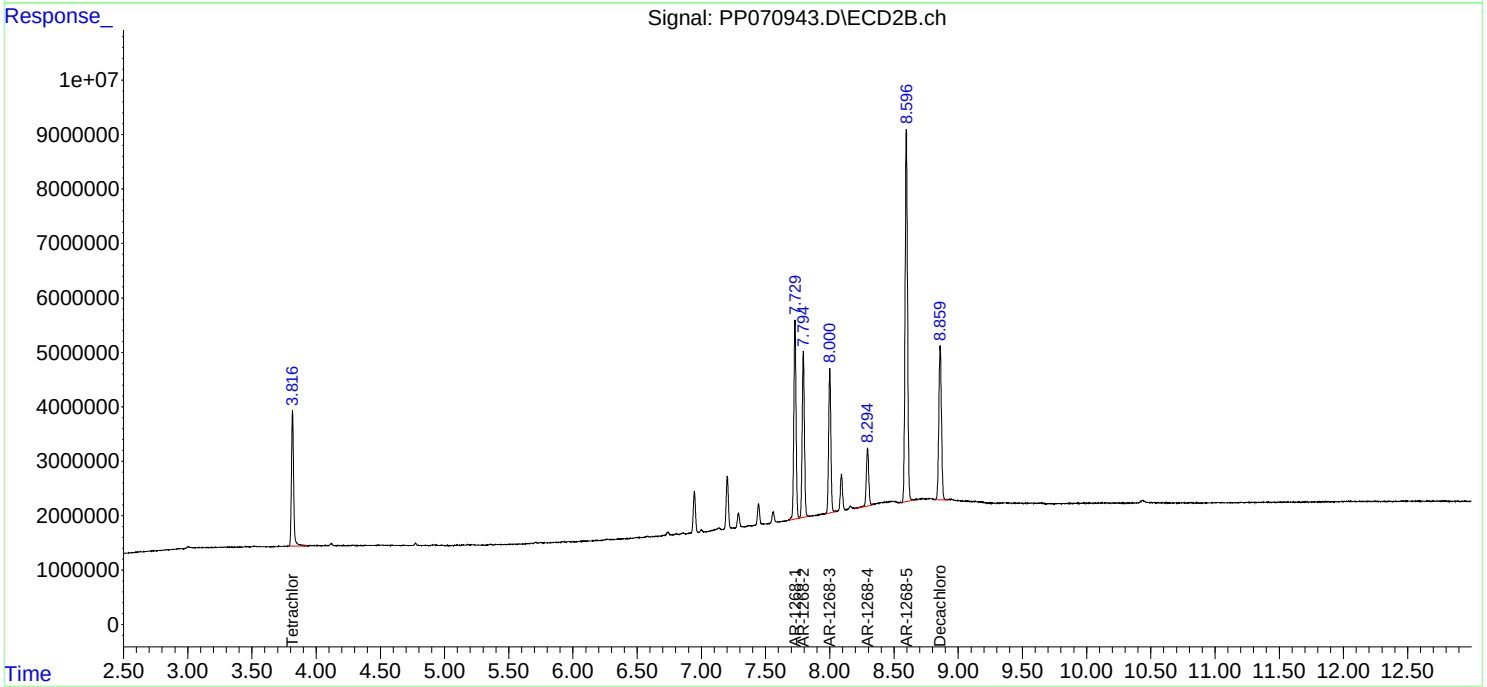
**Manual Integrations APPROVED**

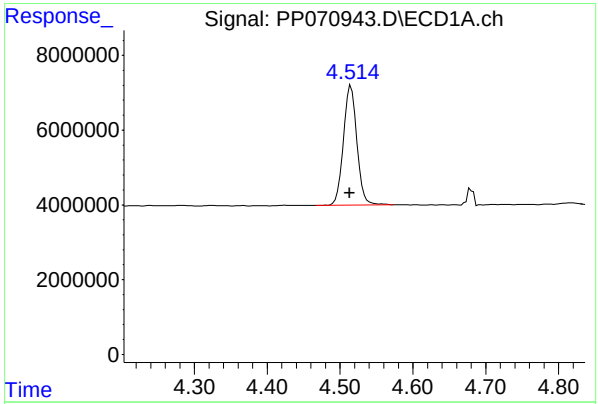
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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





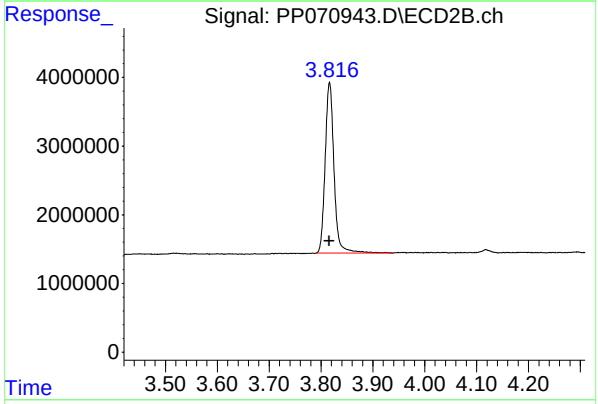

#1 Tetrachloro-m-xylene

R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 41125313
Conc: 25.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

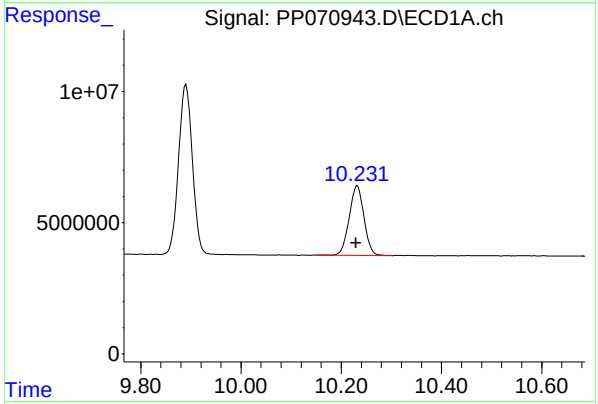
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



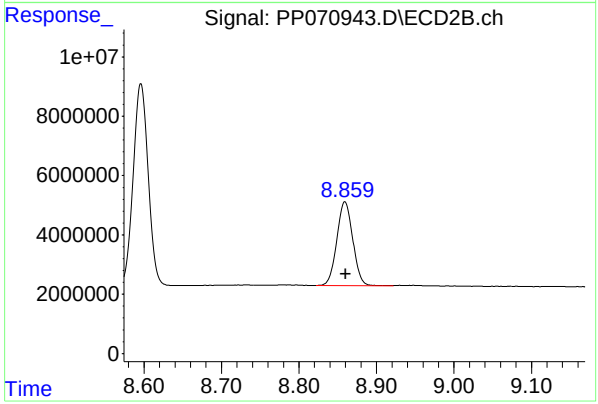

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 29588552
Conc: 26.46 ng/ml



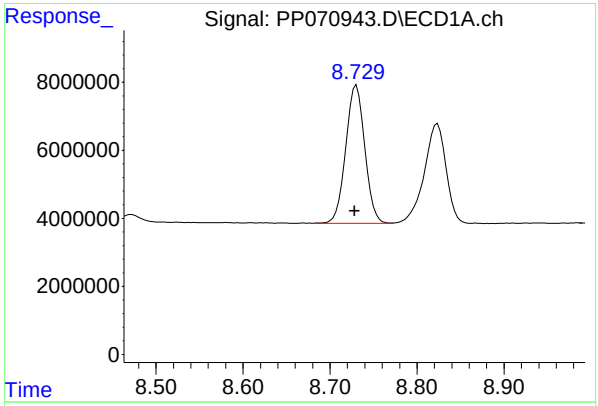

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 54285349
Conc: 25.90 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 40518249
Conc: 25.92 ng/ml



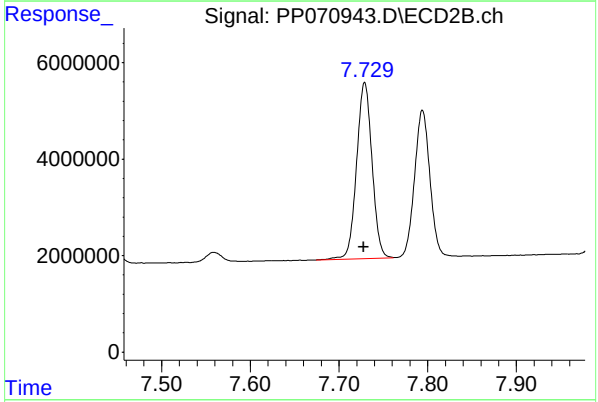

#41 AR-1268-1

R.T.: 8.730 min
Delta R.T.: 0.002 mi
Response: 61973048
Conc: 258.59 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

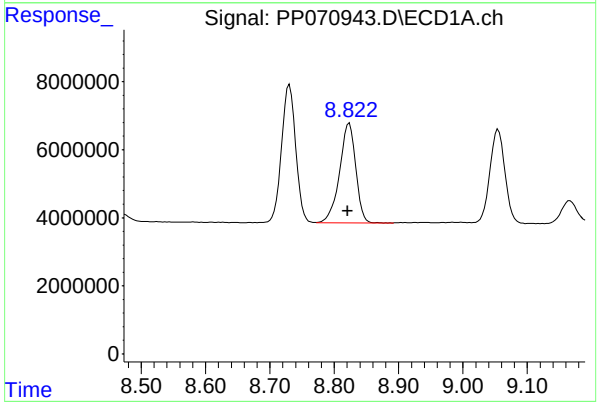
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



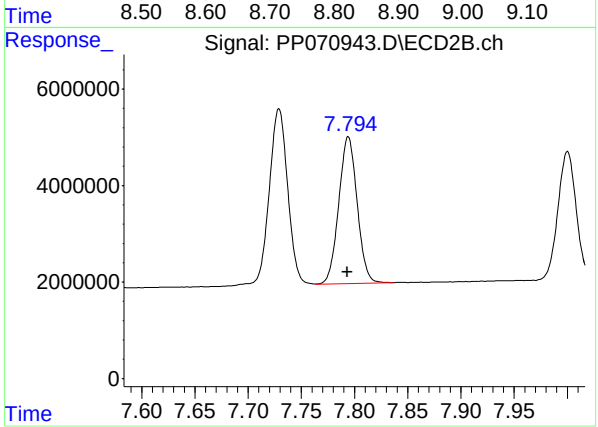

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.000 min
Response: 44233672
Conc: 253.20 ng/ml m



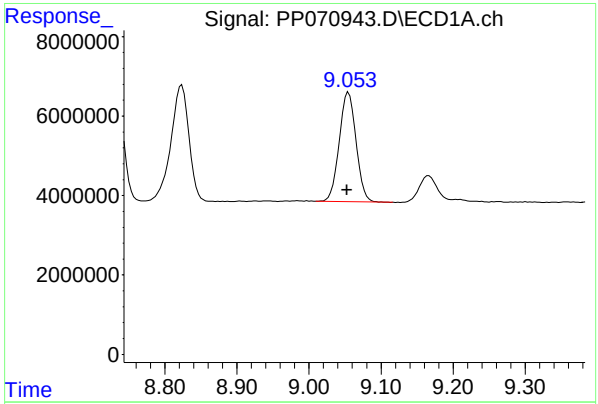

#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 51237231
Conc: 255.89 ng/ml




#42 AR-1268-2

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 36694564
Conc: 251.75 ng/ml



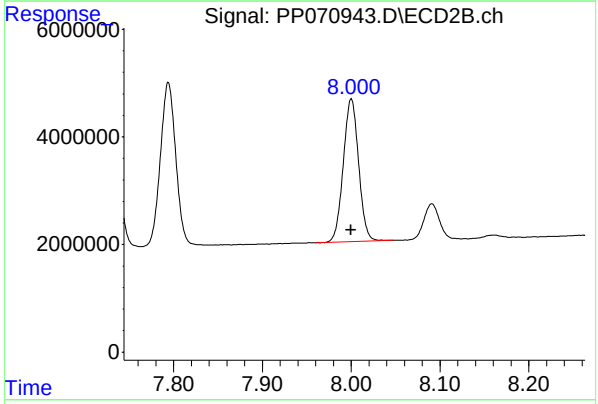

#43 AR-1268-3

R.T.: 9.055 min
Delta R.T.: 0.002 mi
Response: 44311644
Conc: 254.73 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

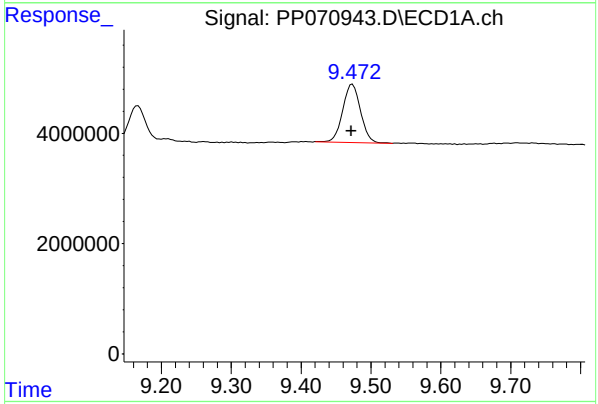
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



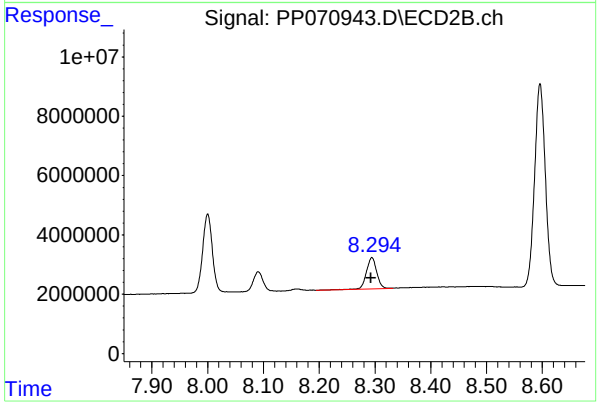

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 31811936
Conc: 255.74 ng/ml



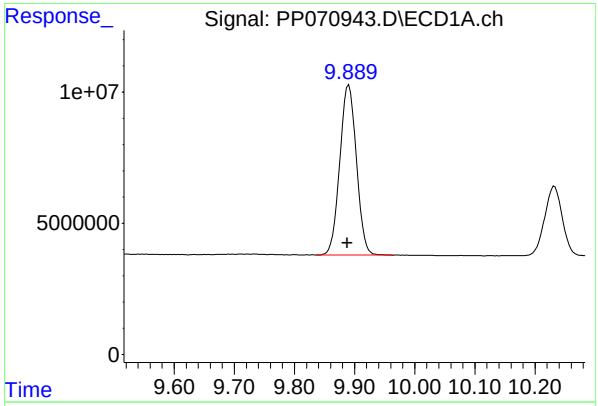

#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.002 min
Response: 18700738
Conc: 255.34 ng/ml




#44 AR-1268-4

R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 13922493
Conc: 260.99 ng/ml



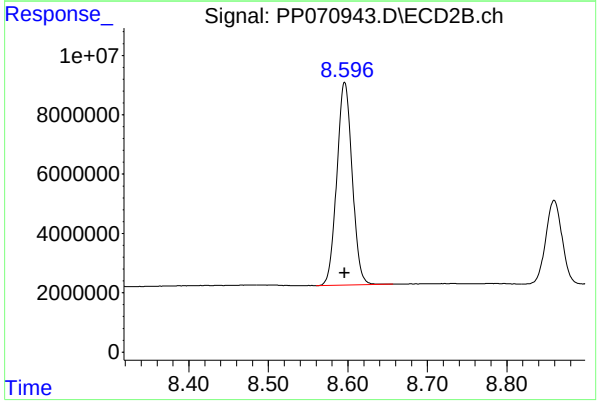

#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 min
Response: 124614186
Conc: 258.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 91636186
Conc: 247.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.514 | 3.816 | 7200607 | 6304440 | 4.457m | 5.529 |
| 2) | SA Decachlor... | 10.230 | 8.859 | 10035177 | 7161586 | 4.762 | 4.510 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.729 | 7.728 | 11274140 | 8221191 | 46.621 | 46.780m |
| 42) | L9 AR-1268-2 | 8.822 | 7.794 | 9103995 | 6916833 | 45.210 | 47.131 |
| 43) | L9 AR-1268-3 | 9.054 | 7.999 | 8398993 | 5823381 | 48.183 | 46.078 |
| 44) | L9 AR-1268-4 | 9.471 | 8.293 | 3082639 | 2471433 | 41.712 | 45.336m |
| 45) | L9 AR-1268-5 | 9.889 | 8.596 | 22937830 | 16928167 | 47.050 | 45.599 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

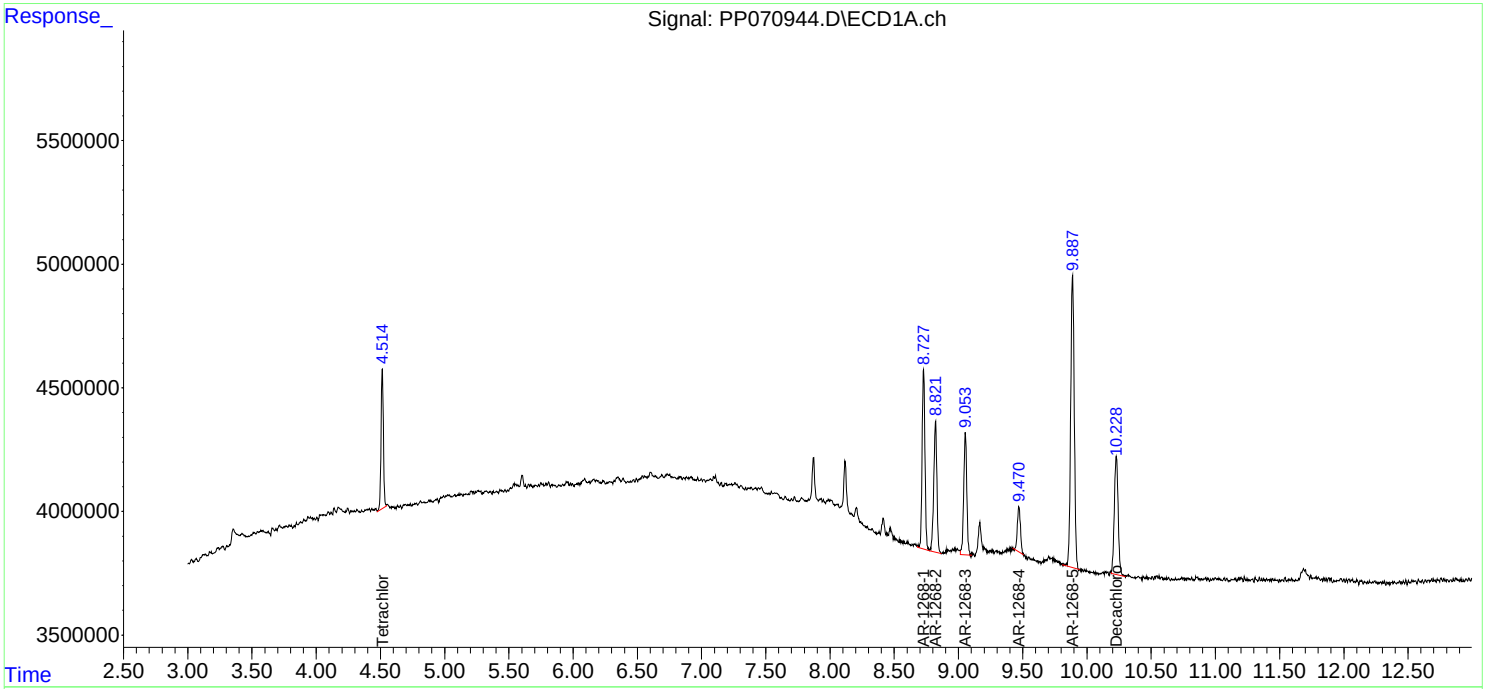
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

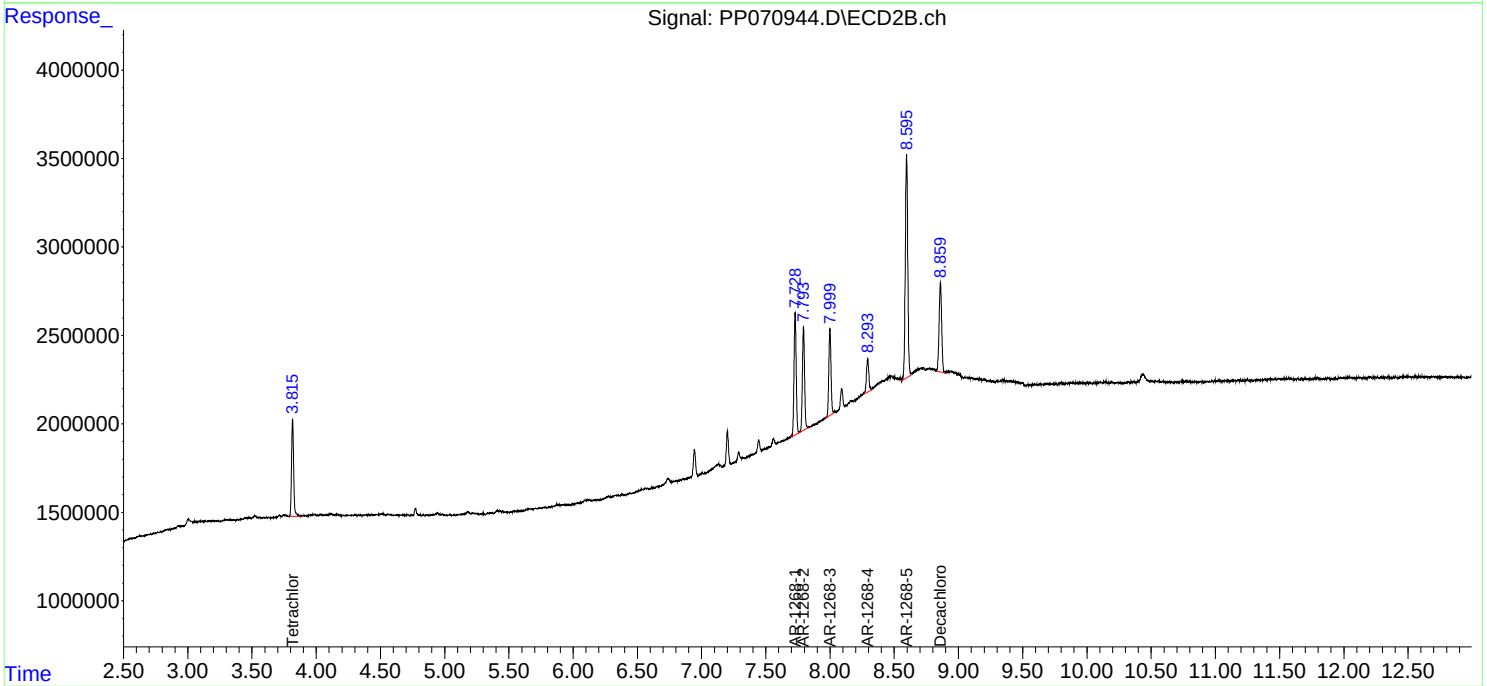
**Manual Integrations APPROVED**

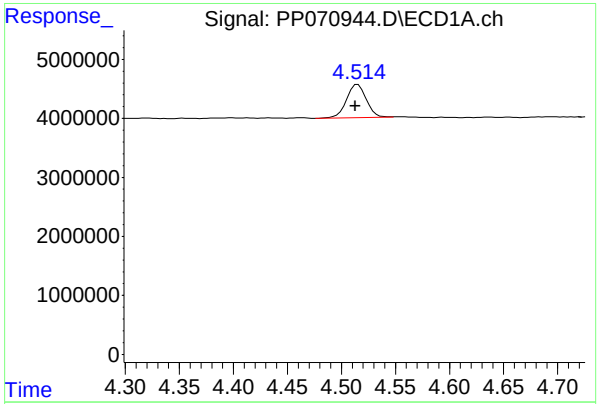
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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





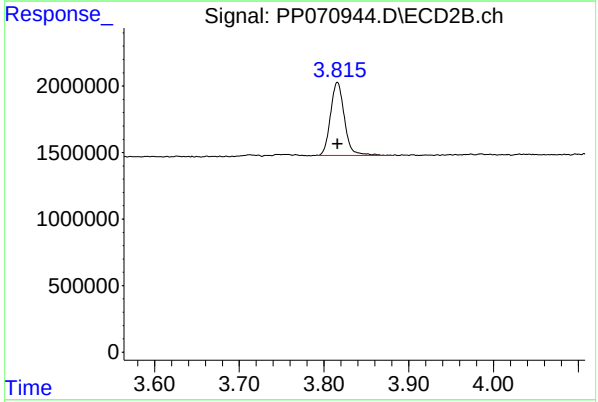

#1 Tetrachloro-m-xylene

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 7200607
Conc: 4.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

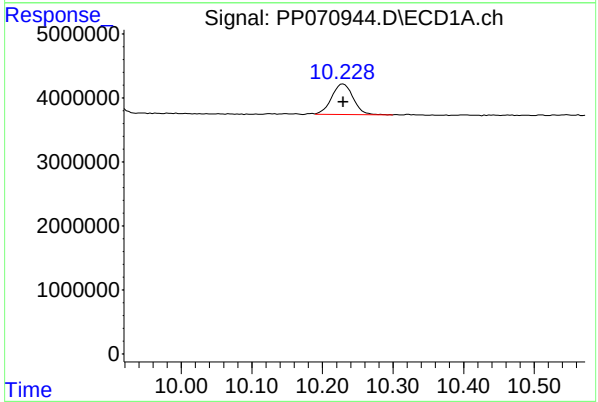
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



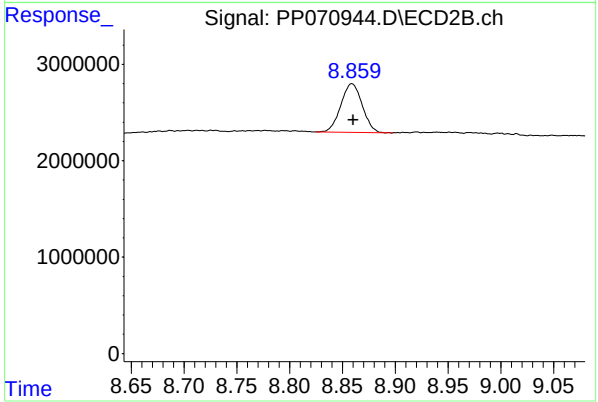

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 6304440
Conc: 5.53 ng/ml



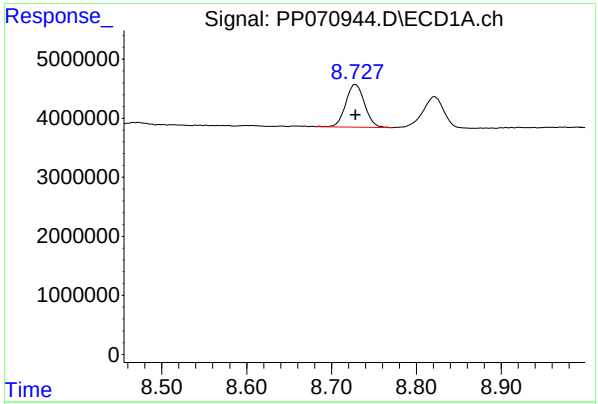

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 10035177
Conc: 4.76 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: -0.001 min
Response: 7161586
Conc: 4.51 ng/ml



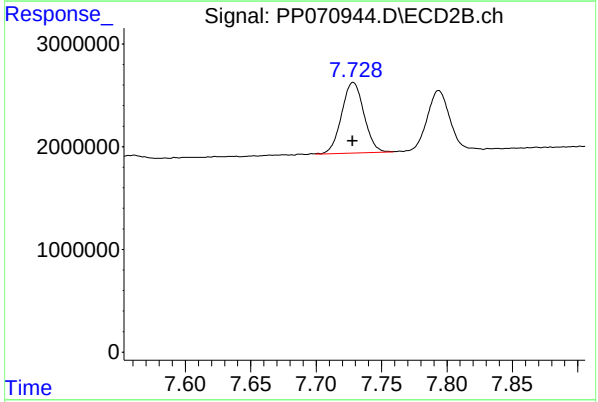

#41 AR-1268-1

R.T.: 8.729 min
Delta R.T.: 0.000 mi
Response: 11274140
Conc: 46.62 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

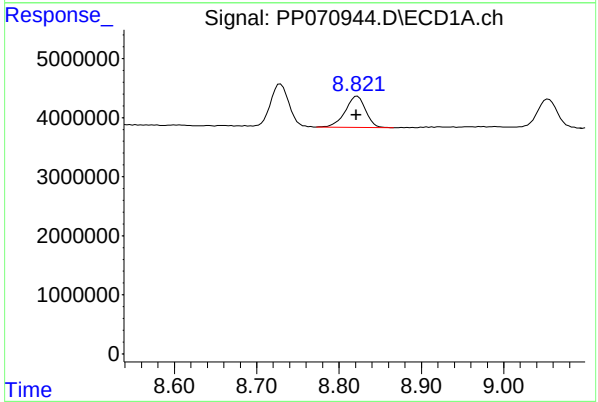
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



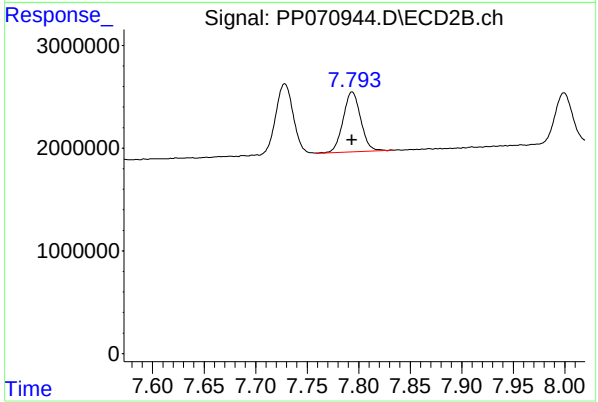

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 8221191
Conc: 46.78 ng/ml m



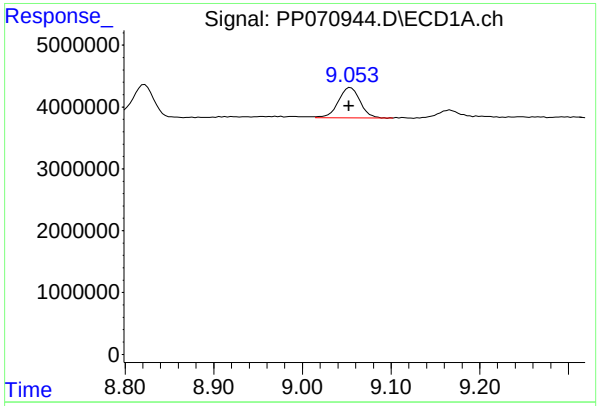

#42 AR-1268-2

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 9103995
Conc: 45.21 ng/ml




#42 AR-1268-2

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 6916833
Conc: 47.13 ng/ml



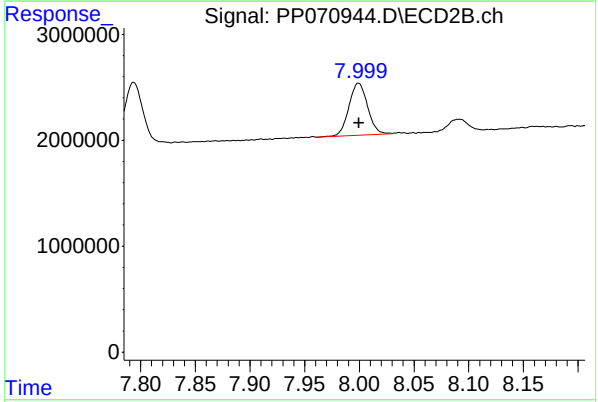

#43 AR-1268-3

R.T.: 9.054 min
Delta R.T.: 0.002 mi
Response: 8398993
Conc: 48.18 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

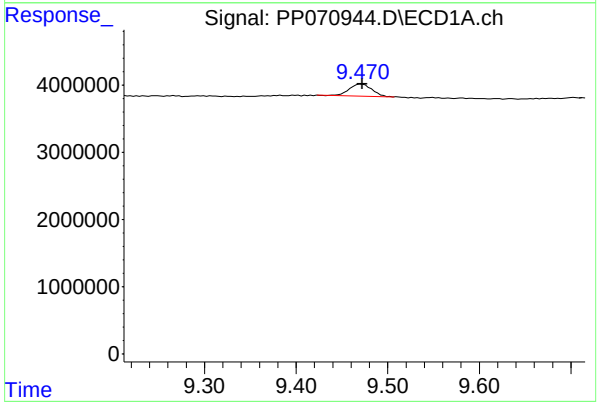
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



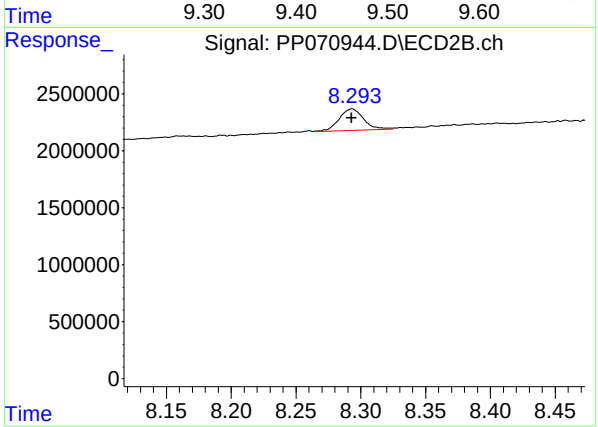

#43 AR-1268-3

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 5823381
Conc: 46.08 ng/ml



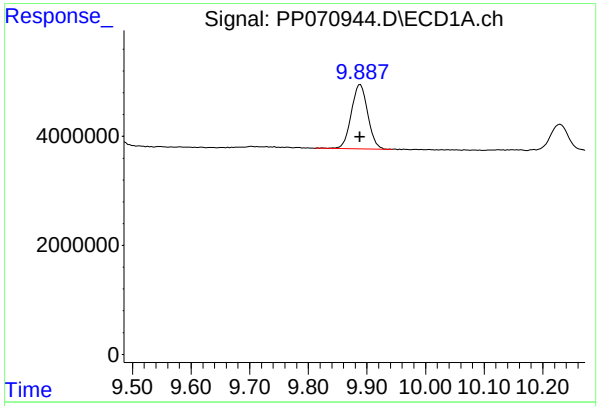

#44 AR-1268-4

R.T.: 9.471 min
Delta R.T.: 0.000 min
Response: 3082639
Conc: 41.71 ng/ml




#44 AR-1268-4

R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 2471433
Conc: 45.34 ng/ml m



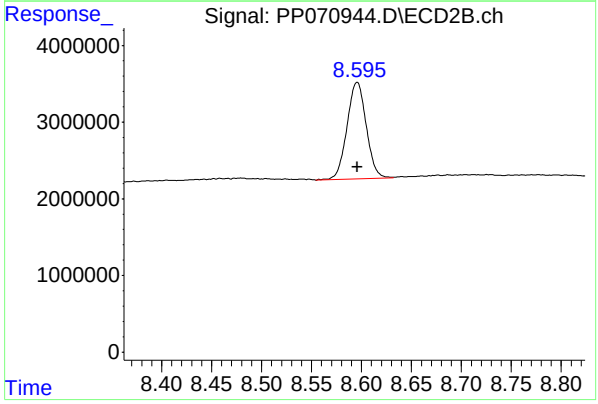

#45 AR-1268-5

R.T.: 9.889 min
Delta R.T.: 0.000 mi
Response: 22937830
Conc: 47.05 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 16928167
Conc: 45.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:26
Operator : YP\AJ
Sample : PP032725ICV500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:19:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.513 | 3.817 | 83053328 | 55050464 | 56.825 | 53.105 |
| 2) SA | Decachlor... | 10.229 | 8.860 | 60452615 | 44643396 | 57.431 | 56.640 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.666 | 4.904 | 27342824 | 21140954 | 537.702 | 527.361 |
| 4) L1 | AR-1016-2 | 5.688 | 4.923 | 41229999 | 30414011 | 528.227 | 525.602 |
| 5) L1 | AR-1016-3 | 5.750 | 5.100 | 25160452 | 16688586 | 533.347 | 539.677 |
| 6) L1 | AR-1016-4 | 5.847 | 5.141 | 20613627 | 13786307 | 560.828 | 566.035 |
| 7) L1 | AR-1016-5 | 6.140 | 5.356 | 19310102 | 17090774 | 569.416 | 528.779 |
| 31) L7 | AR-1260-1 | 7.259 | 6.392 | 37489891 | 28161151 | 558.277 | 549.955 |
| 32) L7 | AR-1260-2 | 7.512 | 6.580 | 54825330 | 35718929 | 570.287 | 559.912 |
| 33) L7 | AR-1260-3 | 7.871 | 6.734 | 45118892 | 30750809 | 564.563 | 564.371 |
| 34) L7 | AR-1260-4 | 8.095 | 7.206 | 41972897 | 25791995 | 533.078 | 539.285 |
| 35) L7 | AR-1260-5 | 8.414 | 7.447 | 87345749 | 64063663 | 549.738 | 514.525 |

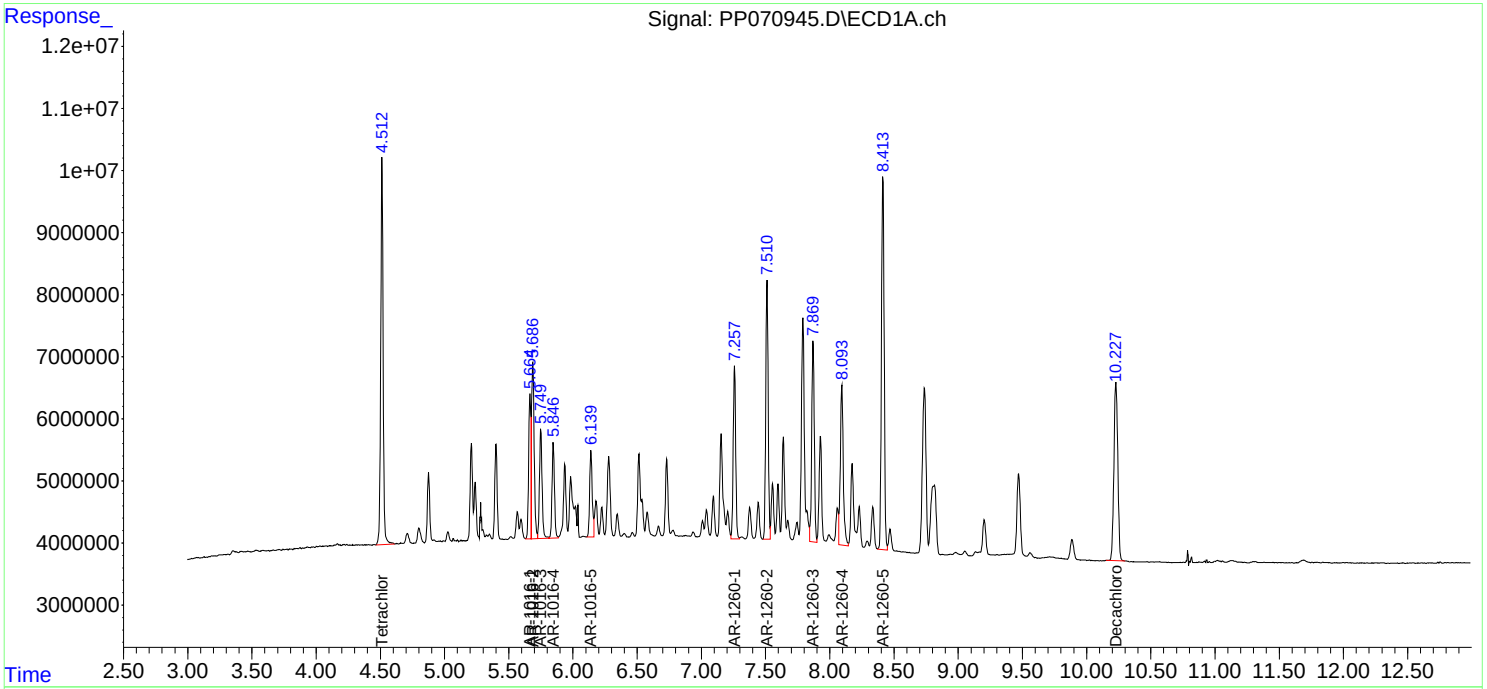
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

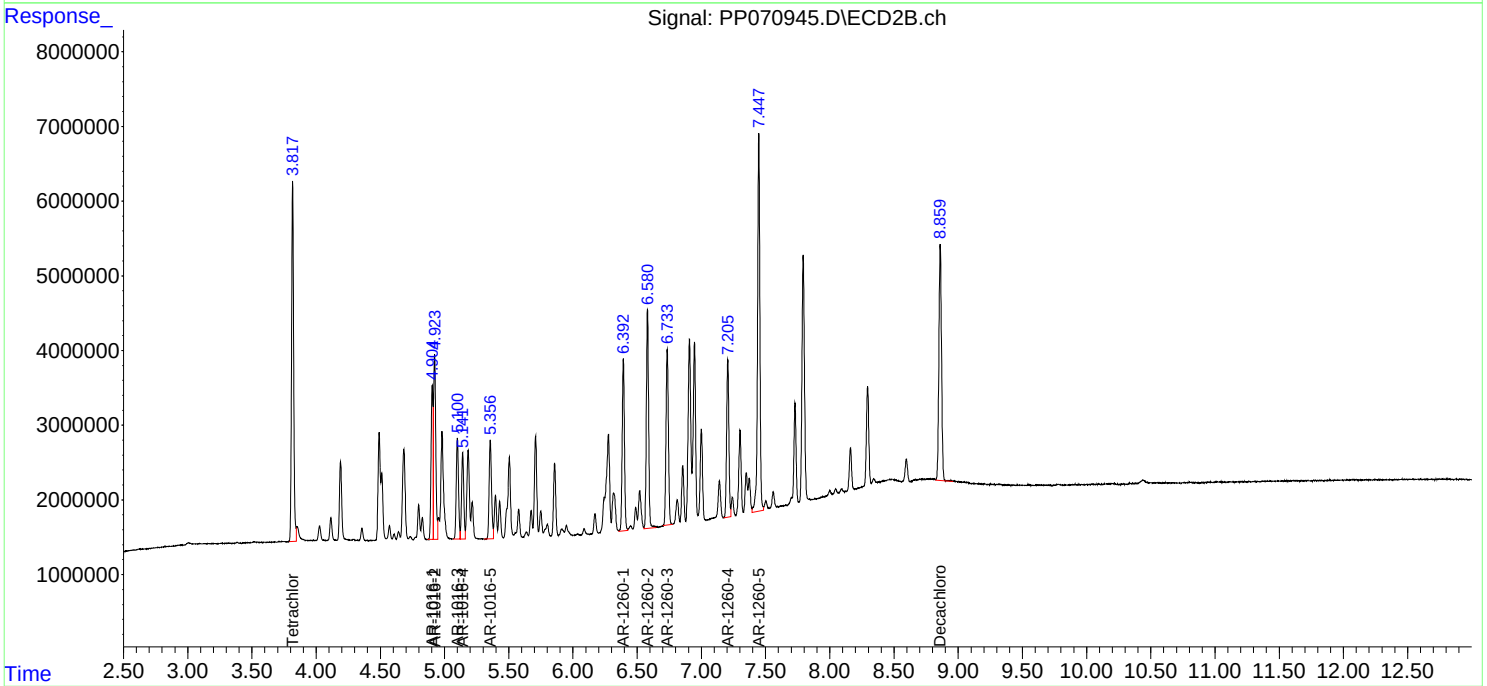
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:26
Operator : YP\AJ
Sample : PP032725ICV500
Misc :
ALS Vial : 3 Sample Multiplier: 1

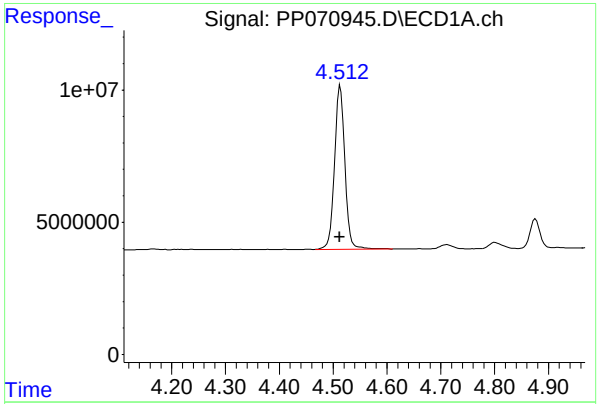
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:44:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:19:30 2025
Response via : Initial Calibration
Integrator: ChemStation

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



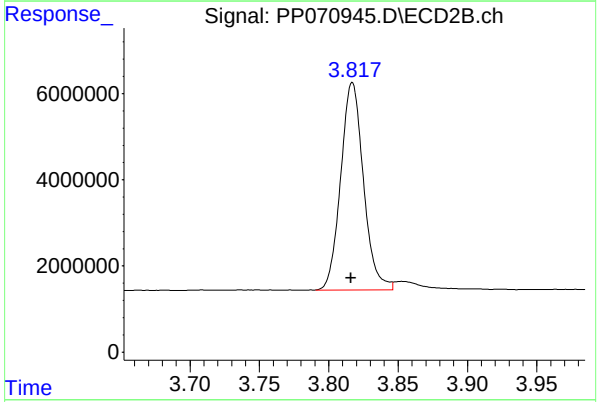






#1 Tetrachloro-m-xylene

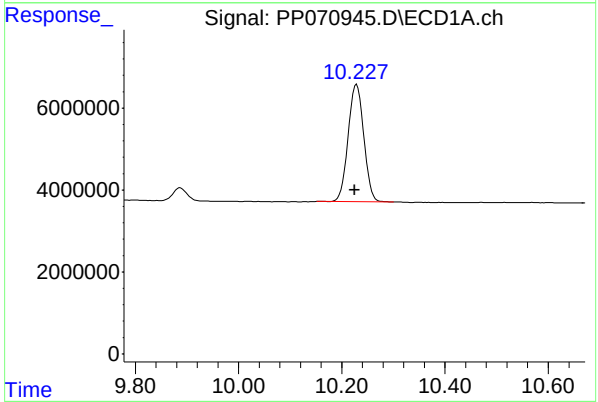
R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 83053328
Conc: 56.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



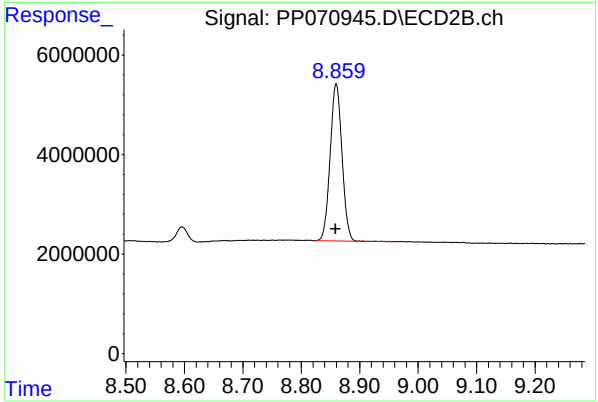

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 55050464
Conc: 53.10 ng/ml



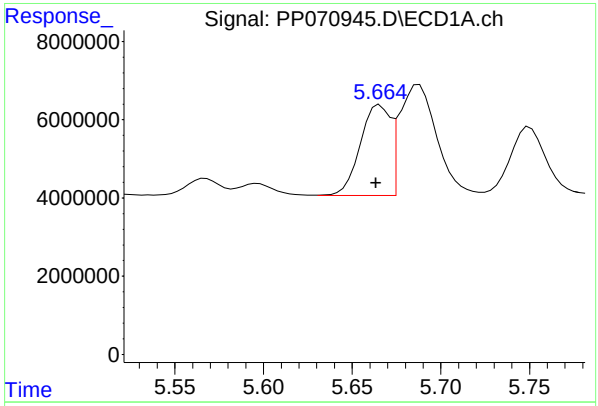

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 60452615
Conc: 57.43 ng/ml




#2 Decachlorobiphenyl

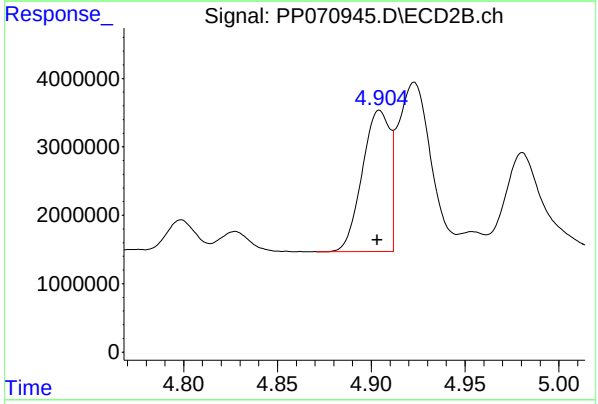
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 44643396
Conc: 56.64 ng/ml




#3 AR-1016-1

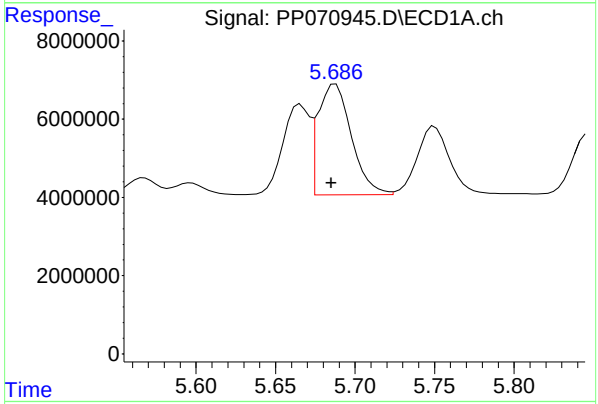
R.T.: 5.666 min
Delta R.T.: 0.002 mi
Response: 27342824
Conc: 537.70 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



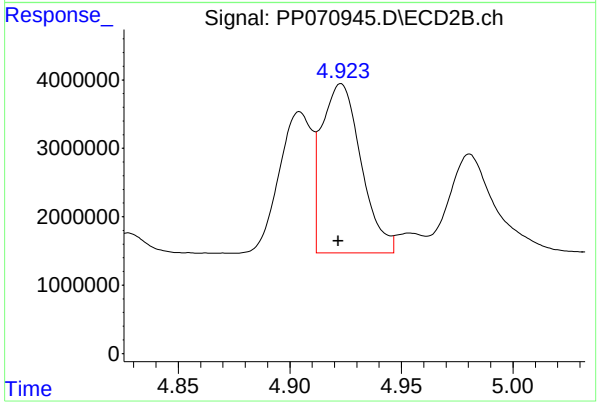

#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 21140954
Conc: 527.36 ng/ml



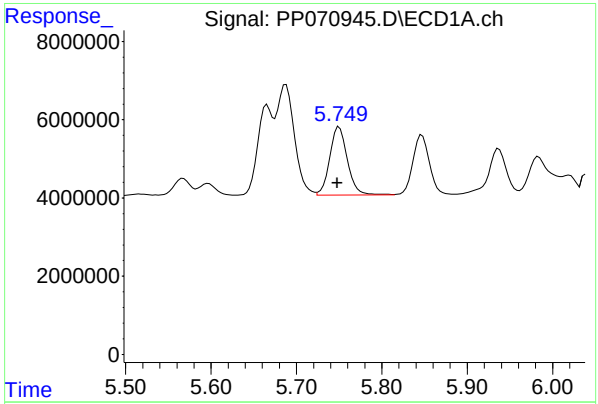

#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: 0.003 min
Response: 41229999
Conc: 528.23 ng/ml




#4 AR-1016-2

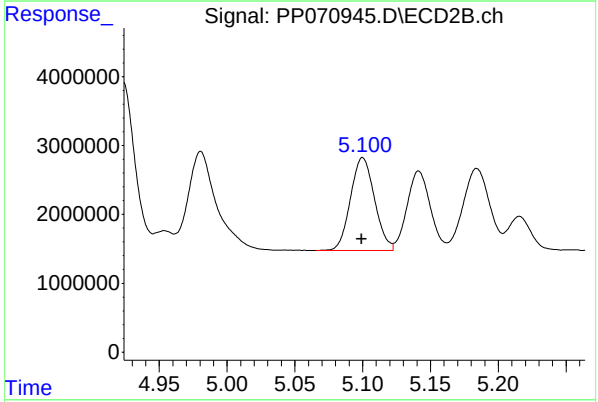
R.T.: 4.923 min
Delta R.T.: 0.001 min
Response: 30414011
Conc: 525.60 ng/ml




#5 AR-1016-3

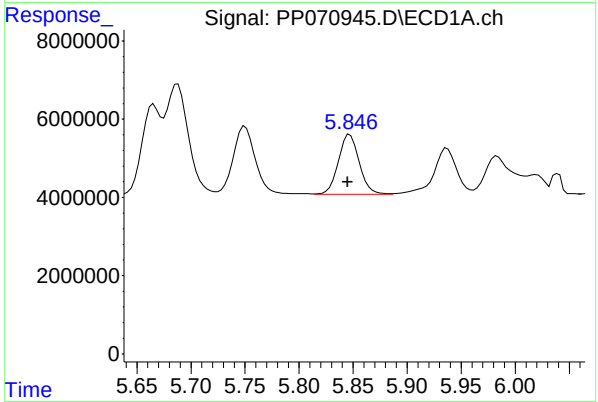
R.T.: 5.750 min
Delta R.T.: 0.003 min
Response: 25160452
Conc: 533.35 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



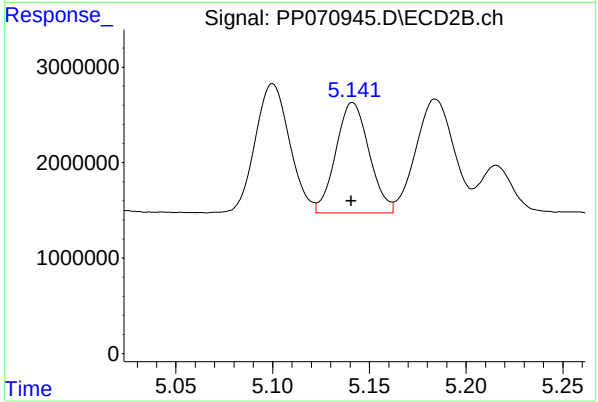

#5 AR-1016-3

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 16688586
Conc: 539.68 ng/ml



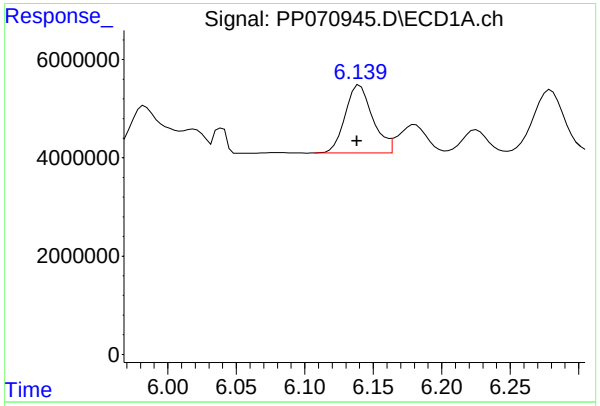

#6 AR-1016-4

R.T.: 5.847 min
Delta R.T.: 0.002 min
Response: 20613627
Conc: 560.83 ng/ml




#6 AR-1016-4

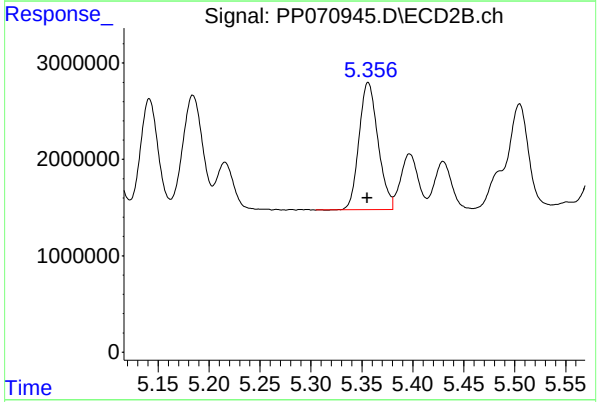
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 13786307
Conc: 566.04 ng/ml




#7 AR-1016-5

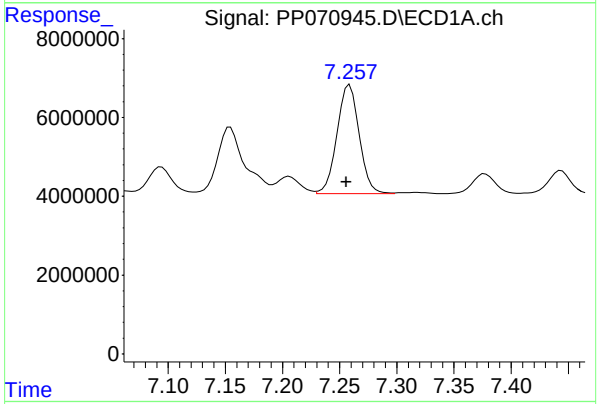
R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 19310102
Conc: 569.42 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



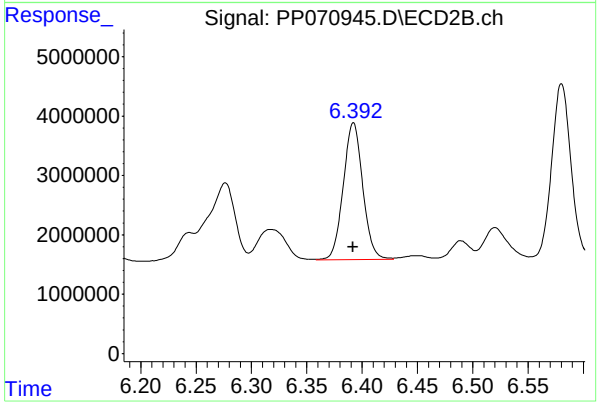

#7 AR-1016-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 17090774
Conc: 528.78 ng/ml



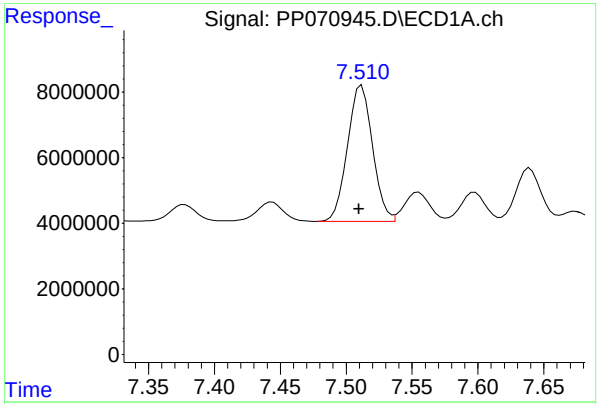

#31 AR-1260-1

R.T.: 7.259 min
Delta R.T.: 0.003 min
Response: 37489891
Conc: 558.28 ng/ml




#31 AR-1260-1

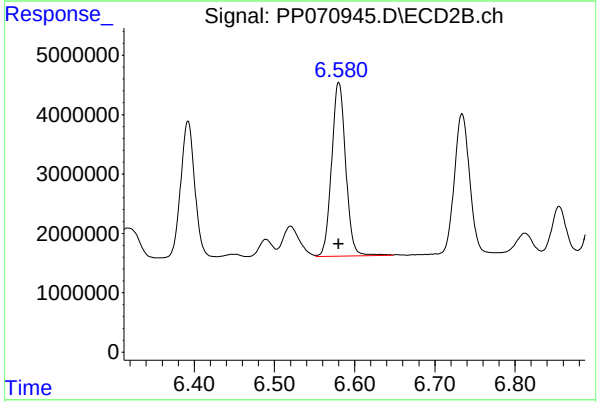
R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 28161151
Conc: 549.95 ng/ml




#32 AR-1260-2

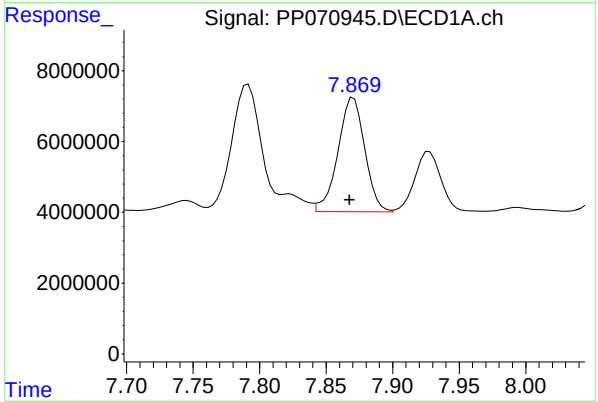
R.T.: 7.512 min
Delta R.T.: 0.002 min
Response: 54825330
Conc: 570.29 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



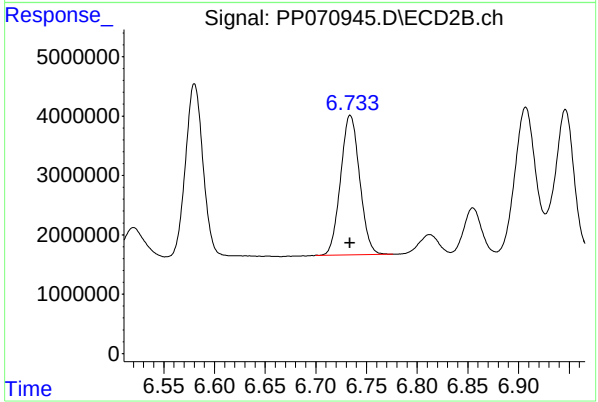

#32 AR-1260-2

R.T.: 6.580 min
Delta R.T.: 0.000 min
Response: 35718929
Conc: 559.91 ng/ml



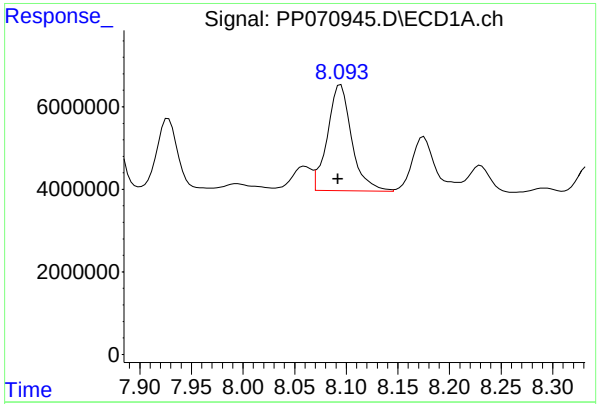

#33 AR-1260-3

R.T.: 7.871 min
Delta R.T.: 0.003 min
Response: 45118892
Conc: 564.56 ng/ml




#33 AR-1260-3

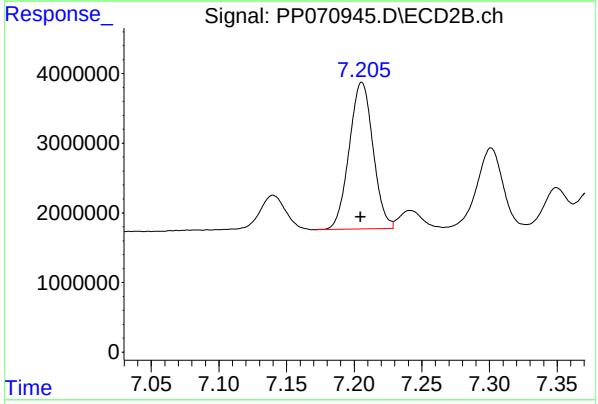
R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 30750809
Conc: 564.37 ng/ml




#34 AR-1260-4

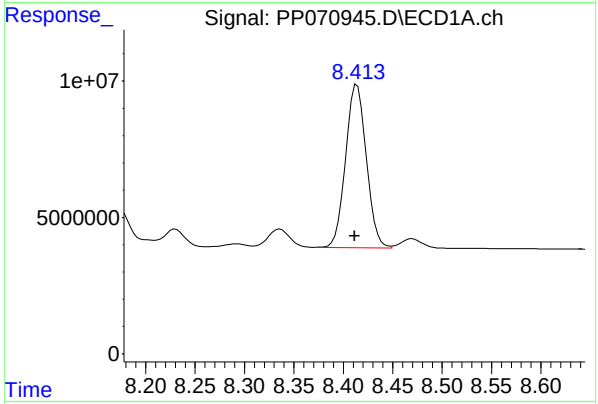
R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 41972897
Conc: 533.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725



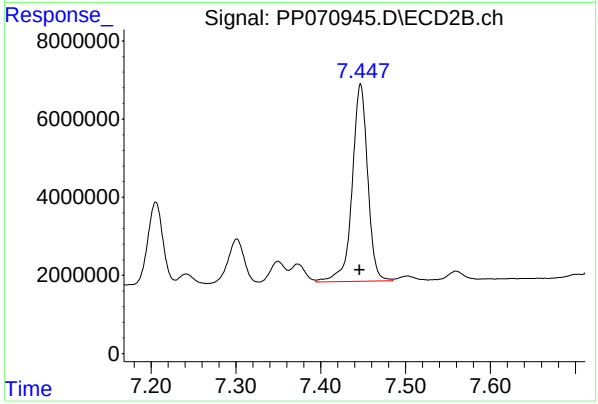

#34 AR-1260-4

R.T.: 7.206 min
Delta R.T.: 0.000 min
Response: 25791995
Conc: 539.28 ng/ml




#35 AR-1260-5

R.T.: 8.414 min
Delta R.T.: 0.003 min
Response: 87345749
Conc: 549.74 ng/ml




#35 AR-1260-5

R.T.: 7.447 min
Delta R.T.: 0.000 min
Response: 64063663
Conc: 514.53 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:42
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:58:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.515 | 3.816 | 78786041 | 55016883 | 53.357 | 51.300 |
| 2) | SA Decachlor... | 10.230 | 8.859 | 57489647 | 39612860 | 53.073 | 51.065 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.667 | 4.904 | 21998453 | 17657296 | 500.225 | 516.358 |
| 17) | L4 AR-1242-2 | 5.689 | 4.922 | 33746674 | 24829266 | 524.698 | 504.069 |
| 18) | L4 AR-1242-3 | 5.752 | 5.099 | 20359598 | 13889595 | 496.098 | 521.298 |
| 19) | L4 AR-1242-4 | 5.849 | 5.183 | 16580558 | 13666228 | 543.209 | 518.087 |
| 20) | L4 AR-1242-5 | 6.580 | 5.708 | 19203834 | 15992906 | 525.982 | 516.595 |

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

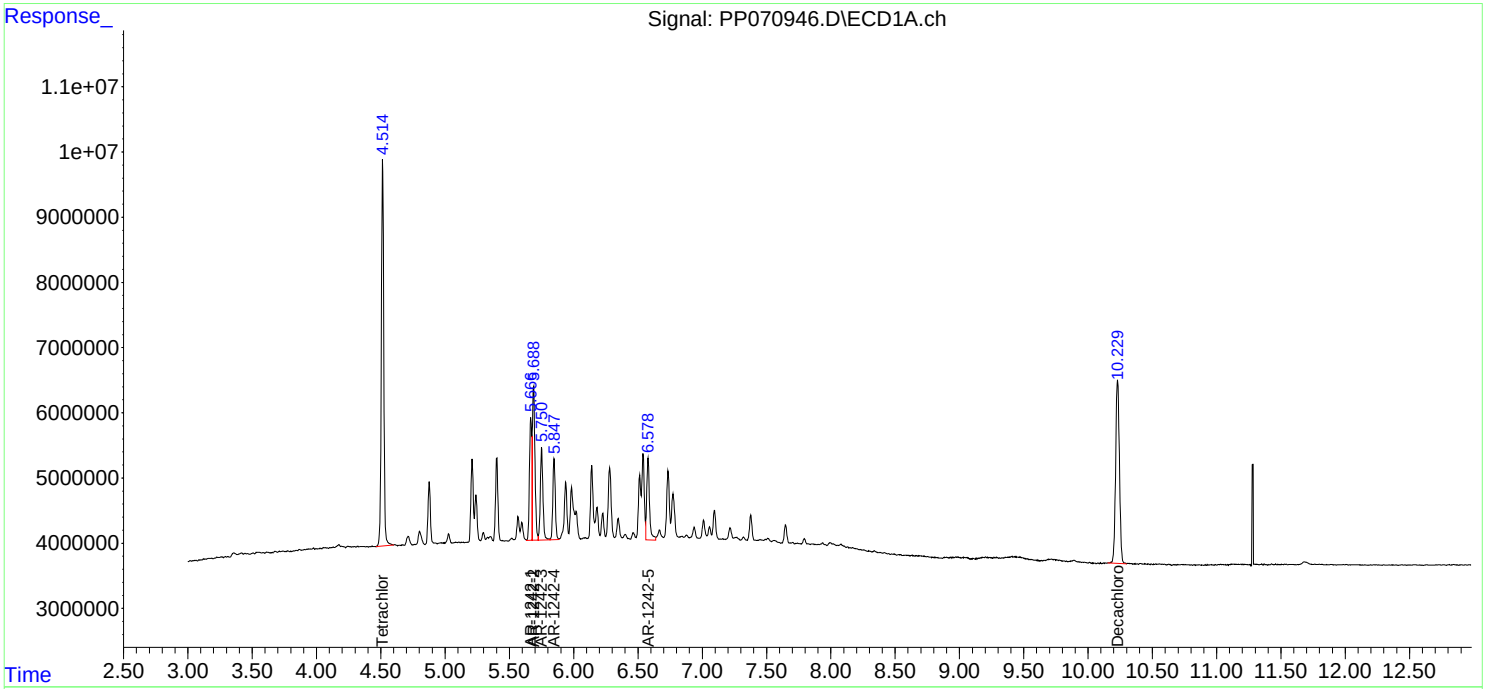
ICAL Form

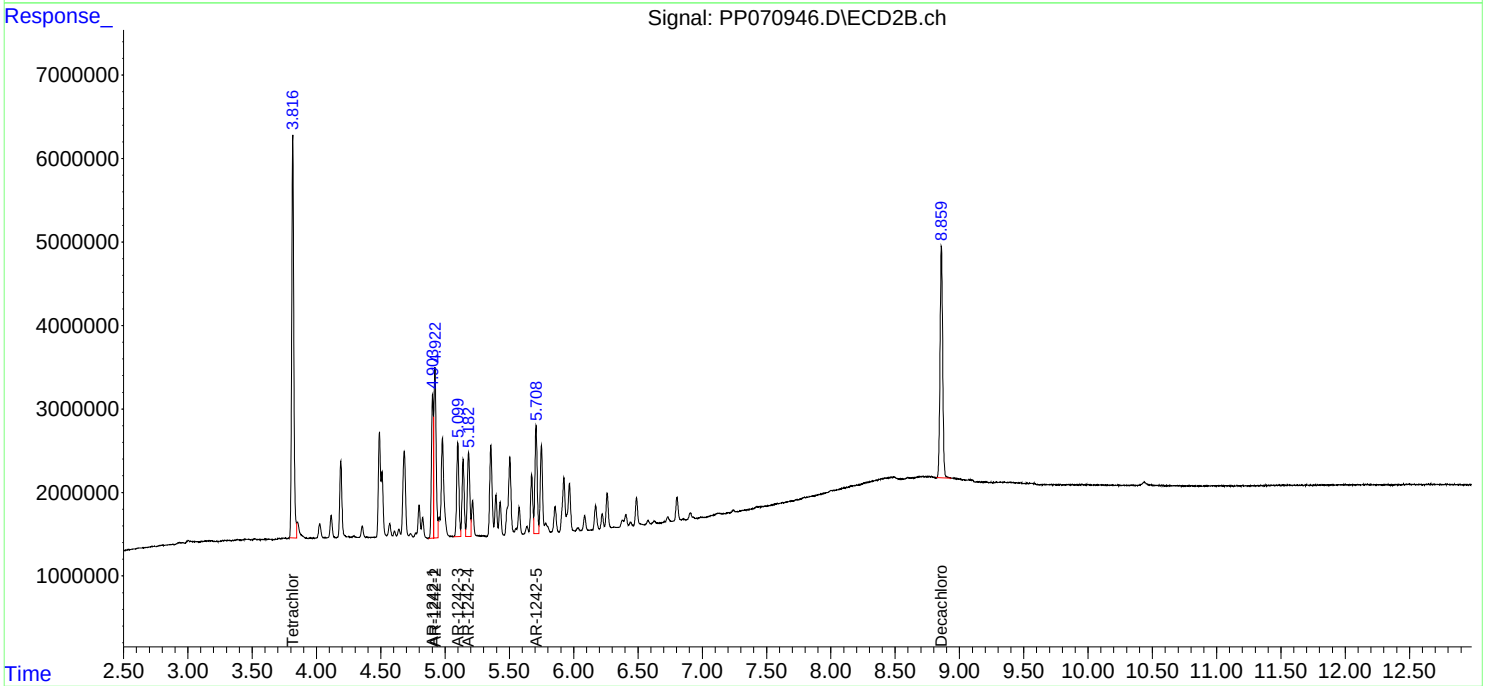
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 18:42
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

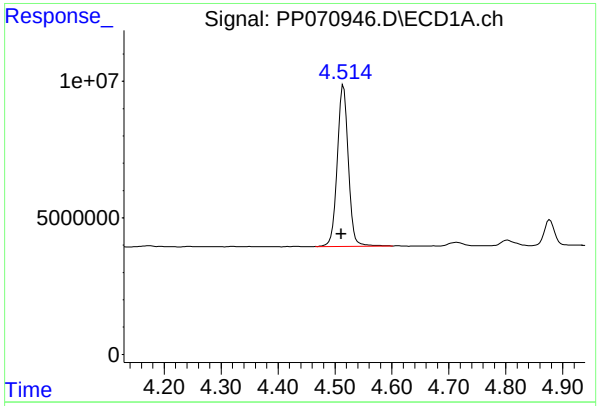
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:00:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 18:58:04 2025
Response via : Initial Calibration
Integrator: ChemStation

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



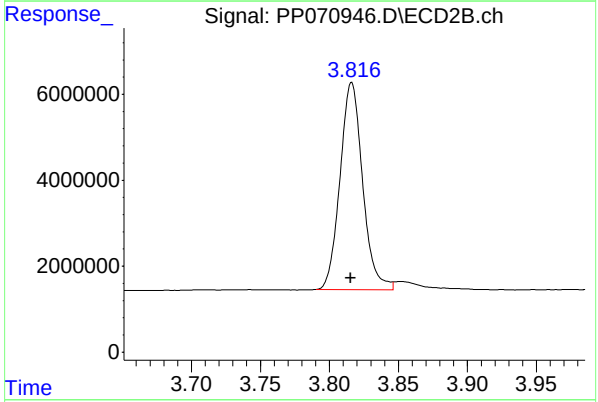






#1 Tetrachloro-m-xylene

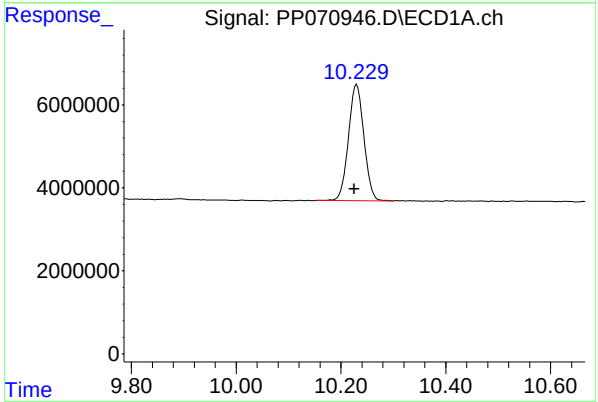
R.T.: 4.515 min
Delta R.T.: 0.004 min
Response: 78786041
Conc: 53.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242



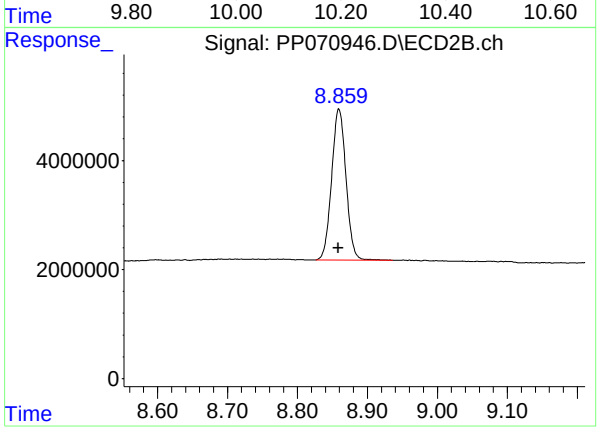

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55016883
Conc: 51.30 ng/ml



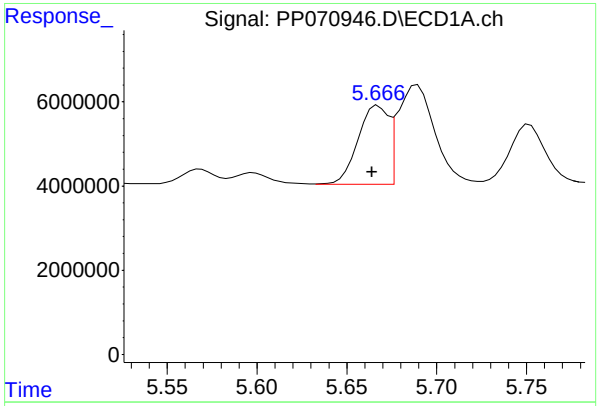

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.005 min
Response: 57489647
Conc: 53.07 ng/ml




#2 Decachlorobiphenyl

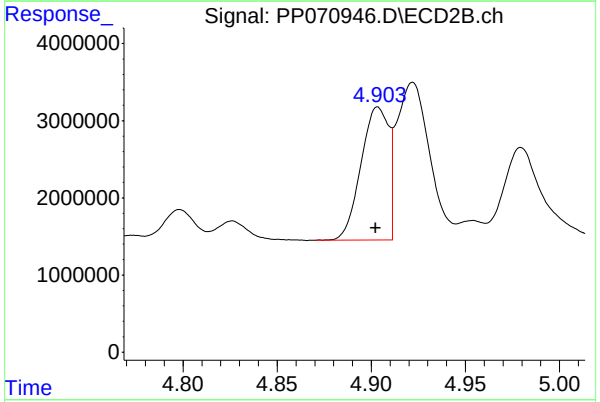
R.T.: 8.859 min
Delta R.T.: 0.001 min
Response: 39612860
Conc: 51.07 ng/ml




#16 AR-1242-1

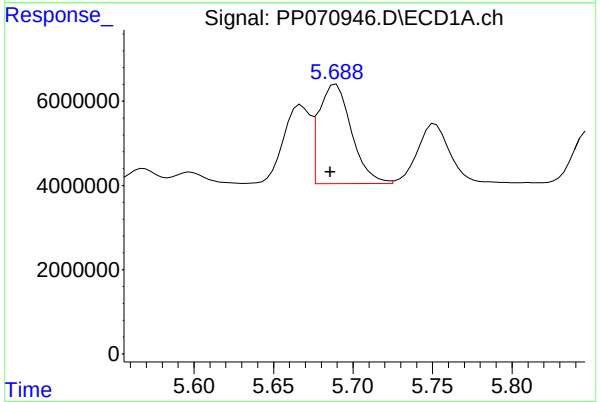
R.T.: 5.667 min
Delta R.T.: 0.003 min
Response: 21998453
Conc: 500.22 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242



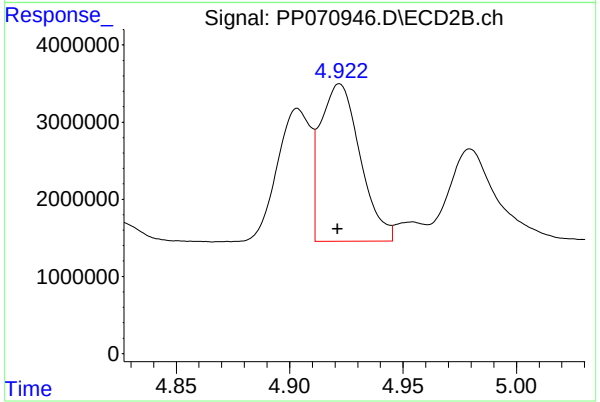

#16 AR-1242-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 17657296
Conc: 516.36 ng/ml



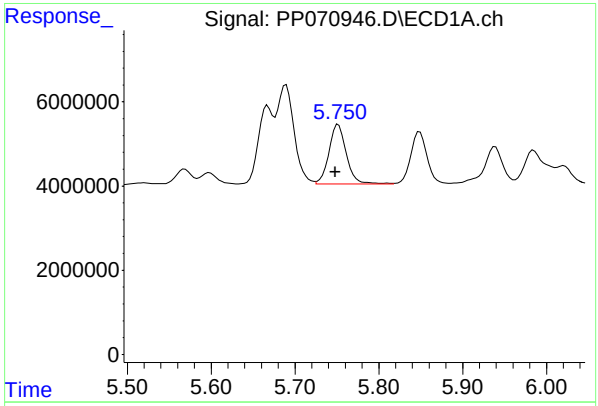

#17 AR-1242-2

R.T.: 5.689 min
Delta R.T.: 0.004 min
Response: 33746674
Conc: 524.70 ng/ml




#17 AR-1242-2

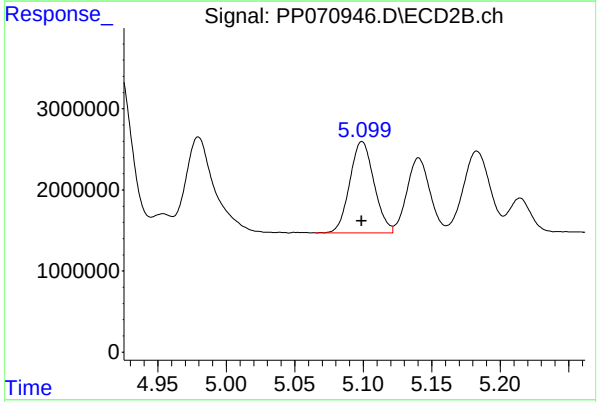
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 24829266
Conc: 504.07 ng/ml




#18 AR-1242-3

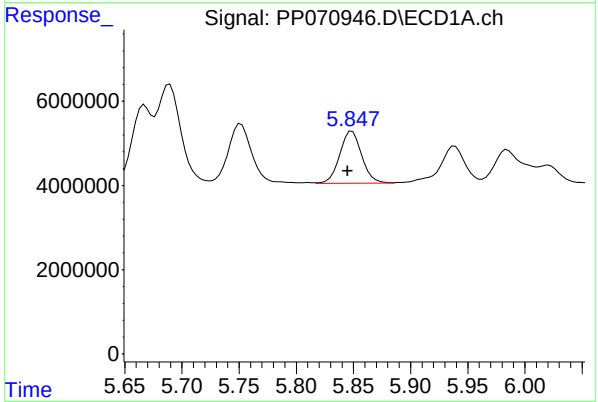
R.T.: 5.752 min
Delta R.T.: 0.004 min
Response: 20359598
Conc: 496.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242



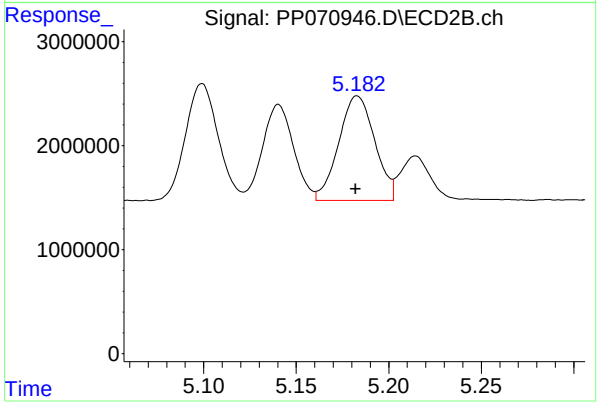

#18 AR-1242-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 13889595
Conc: 521.30 ng/ml



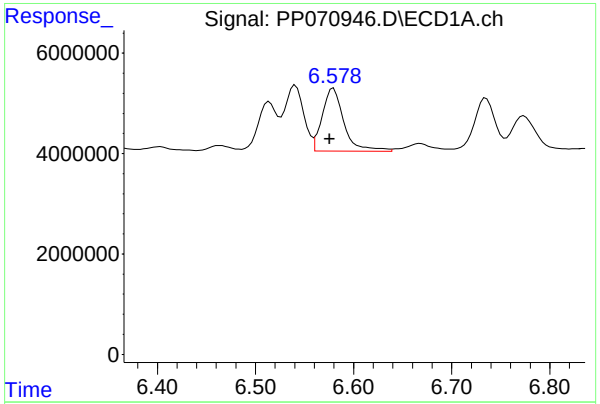

#19 AR-1242-4

R.T.: 5.849 min
Delta R.T.: 0.004 min
Response: 16580558
Conc: 543.21 ng/ml




#19 AR-1242-4

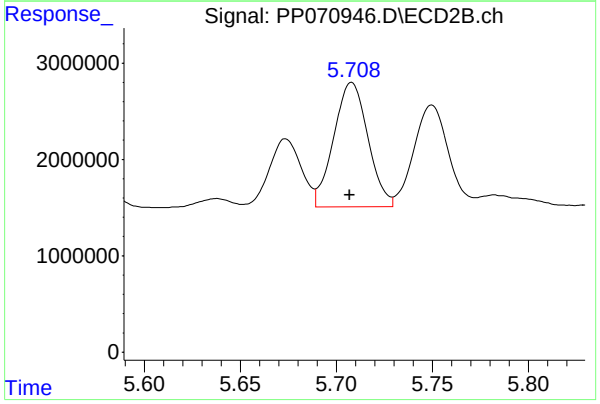
R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 13666228
Conc: 518.09 ng/ml




#20 AR-1242-5

R.T.: 6.580 min
Delta R.T.: 0.004 min
Response: 19203834
Conc: 525.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1242




#20 AR-1242-5

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 15992906
Conc: 516.60 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:15
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 19:07:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.514 | 3.817 | 80868018 | 57291573 | 53.345 | 52.976 |
| 2) | SA Decachlor... | 10.229 | 8.860 | 60625729 | 42784323 | 53.381 | 54.139 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.666 | 4.904 | 17556753 | 15279017 | 483.824 | 564.218 |
| 22) | L5 AR-1248-2 | 5.937 | 5.141 | 24046455 | 20552003 | 535.096 | 559.658 |
| 23) | L5 AR-1248-3 | 6.140 | 5.183 | 26863901 | 21355068 | 530.514 | 552.390 |
| 24) | L5 AR-1248-4 | 6.539 | 5.356 | 33592146 | 24182903 | 523.670 | 535.719 |
| 25) | L5 AR-1248-5 | 6.578 | 5.750 | 32500443 | 22380961 | 534.140 | 524.405 |

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

Quantitation Report (QT Reviewed)

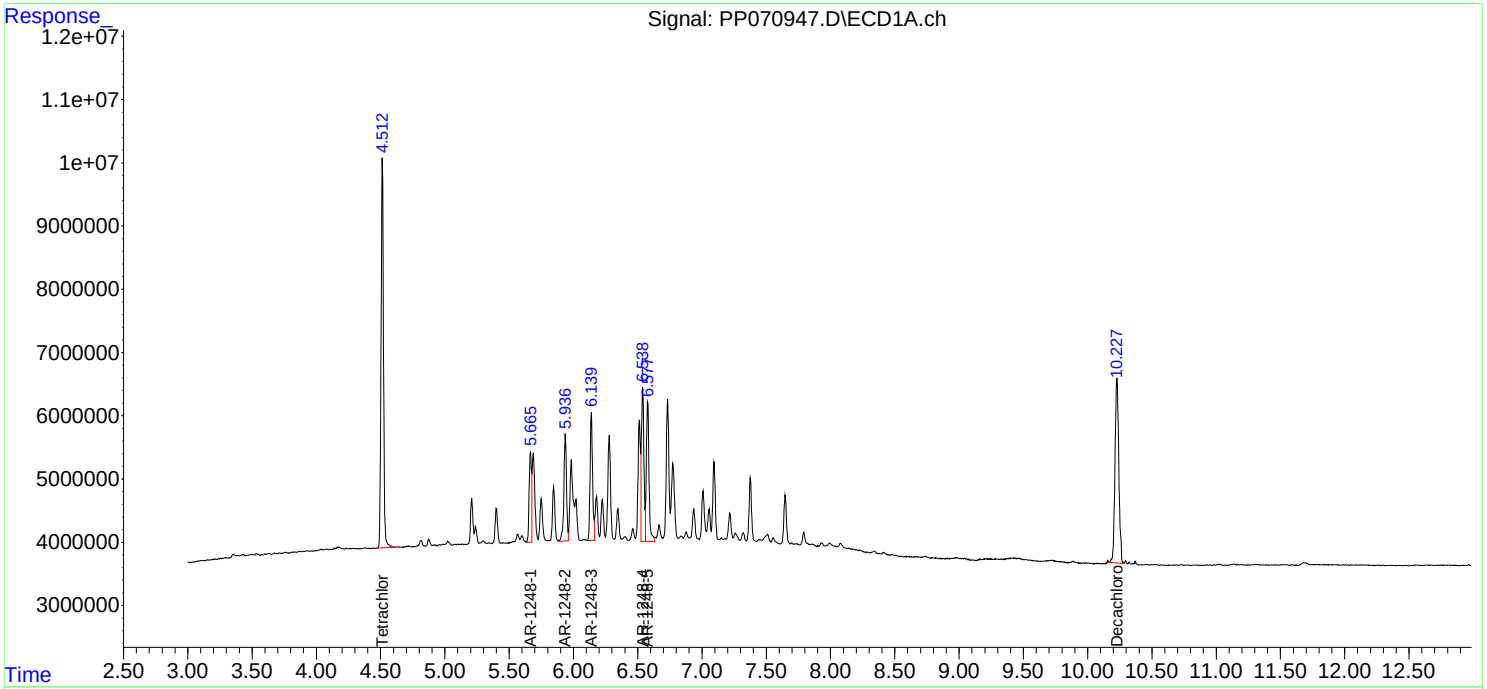
ICAL Form

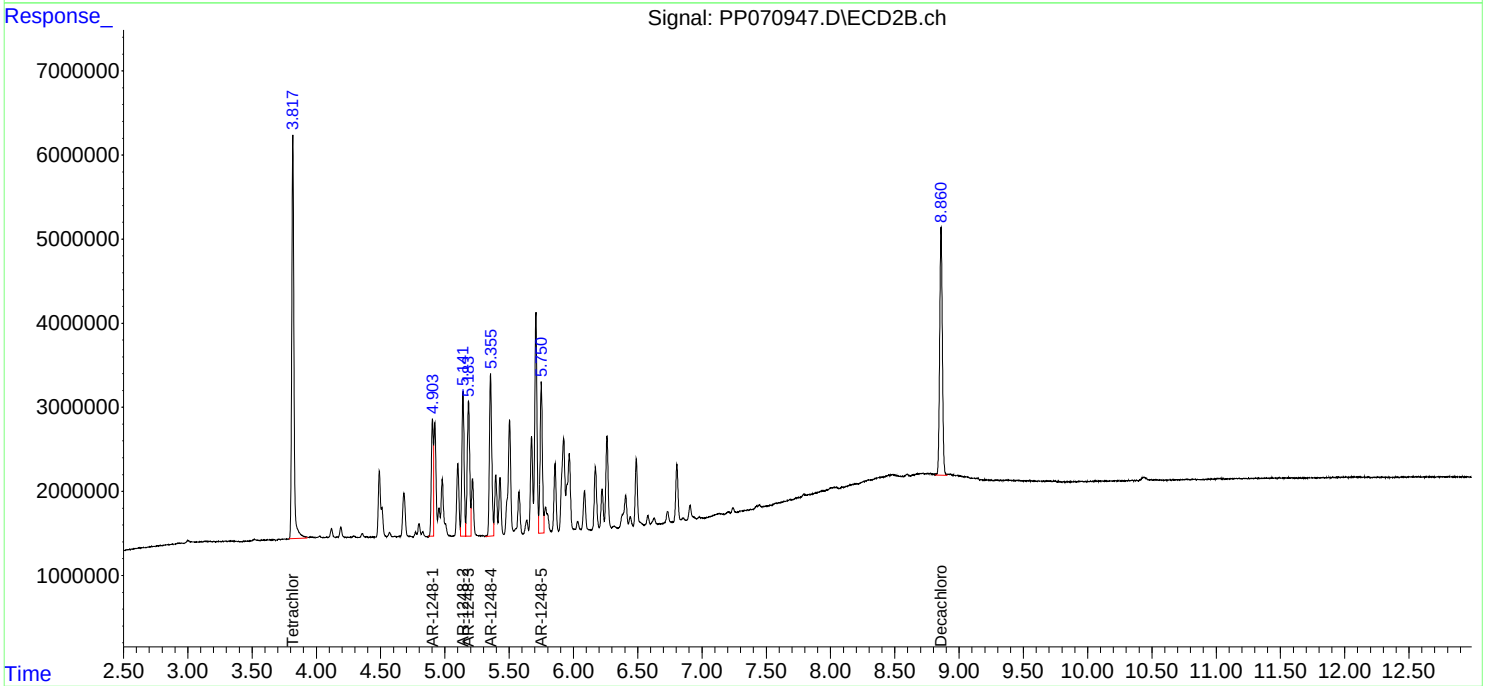
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:15
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

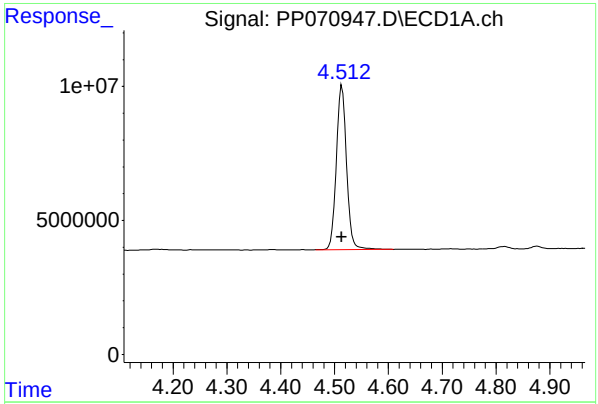
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 19:34:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 19:07:15 2025
Response via : Initial Calibration
Integrator: ChemStation

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



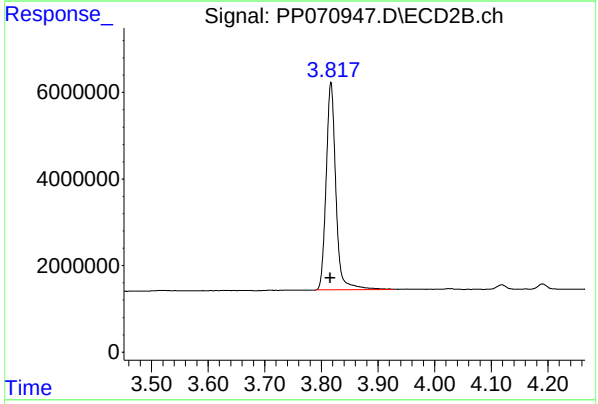






#1 Tetrachloro-m-xylene

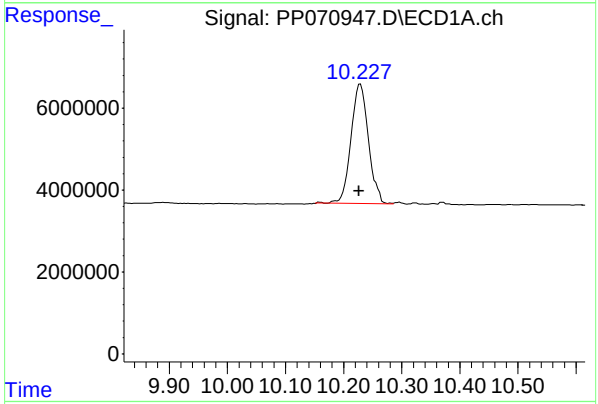
R.T.: 4.514 min
Delta R.T.: 0.000 mi
Response: 80868018
Conc: 53.34 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248



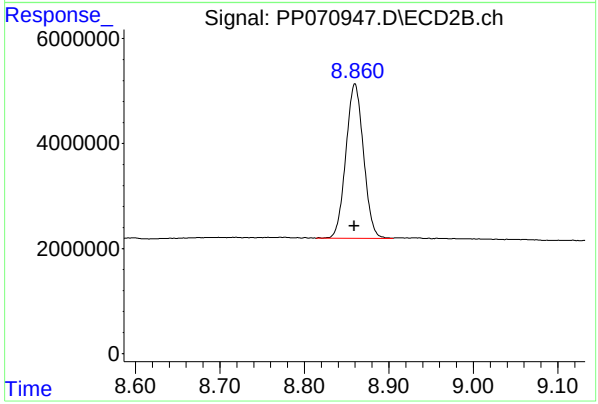

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.001 min
Response: 57291573
Conc: 52.98 ng/ml



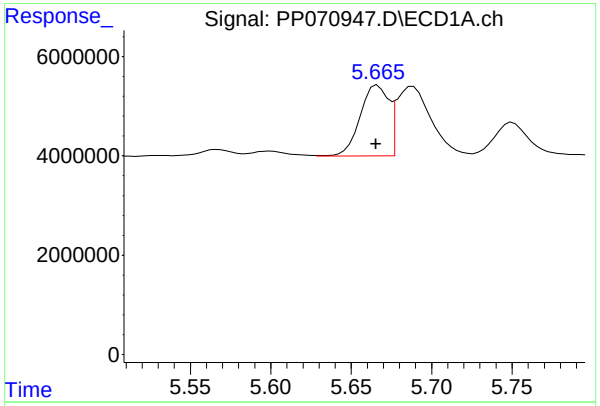

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.002 min
Response: 60625729
Conc: 53.38 ng/ml




#2 Decachlorobiphenyl

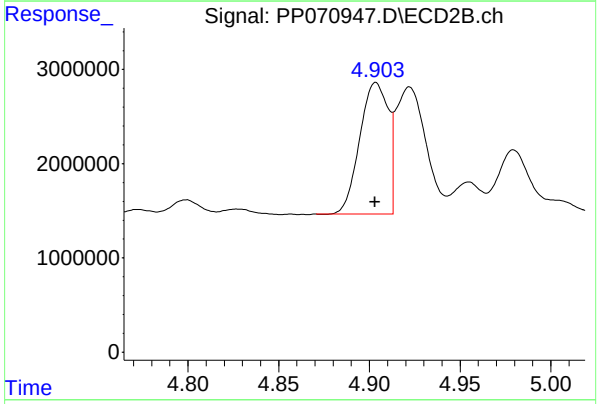
R.T.: 8.860 min
Delta R.T.: 0.001 min
Response: 42784323
Conc: 54.14 ng/ml




#21 AR-1248-1

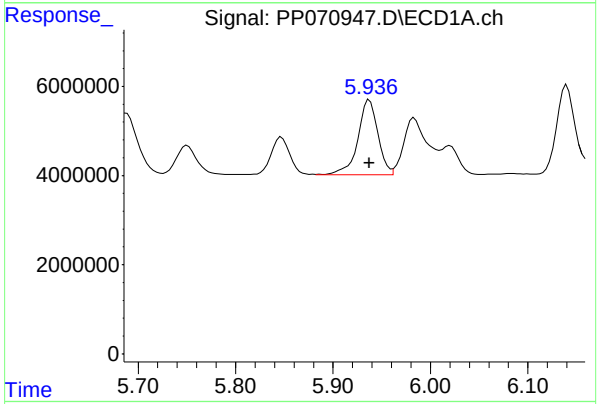
R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 17556753
Conc: 483.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248



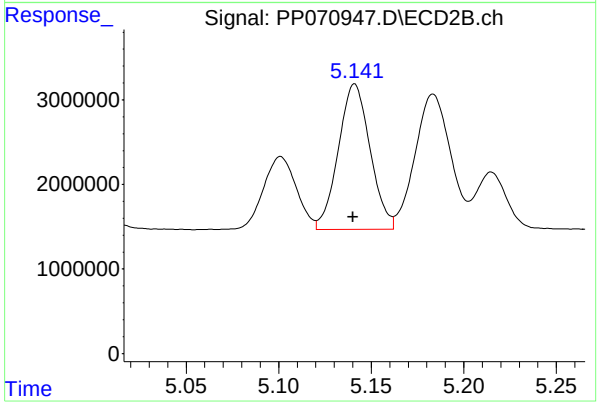

#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.000 min
Response: 15279017
Conc: 564.22 ng/ml



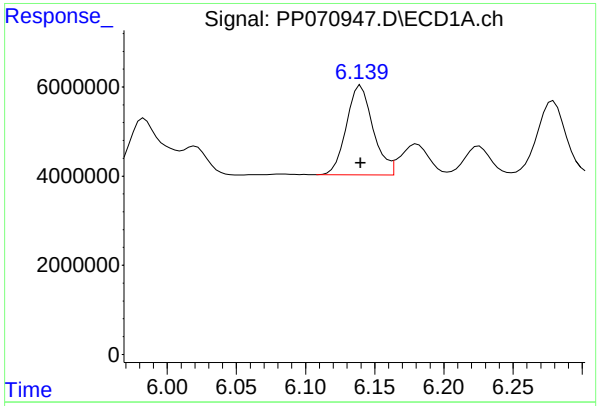

#22 AR-1248-2

R.T.: 5.937 min
Delta R.T.: 0.000 min
Response: 24046455
Conc: 535.10 ng/ml




#22 AR-1248-2

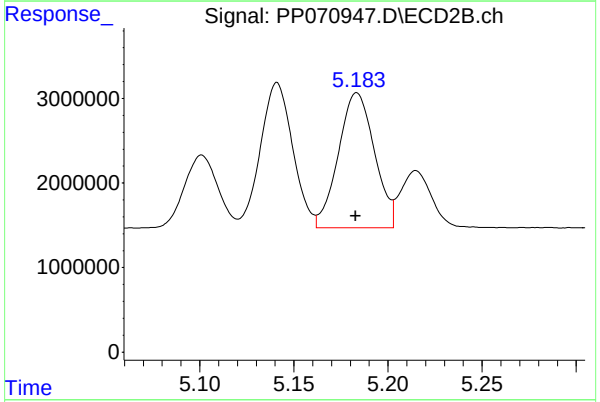
R.T.: 5.141 min
Delta R.T.: 0.001 min
Response: 20552003
Conc: 559.66 ng/ml




#23 AR-1248-3

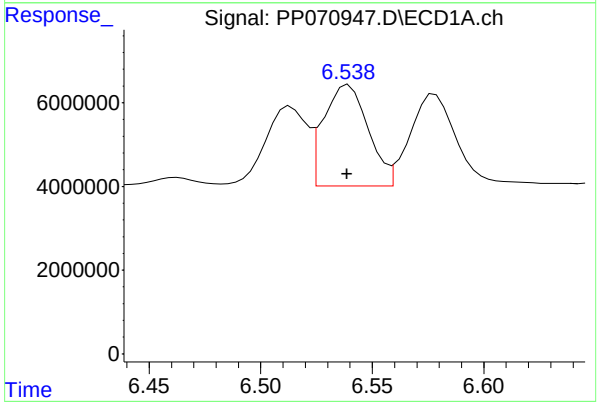
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 26863901
Conc: 530.51 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248



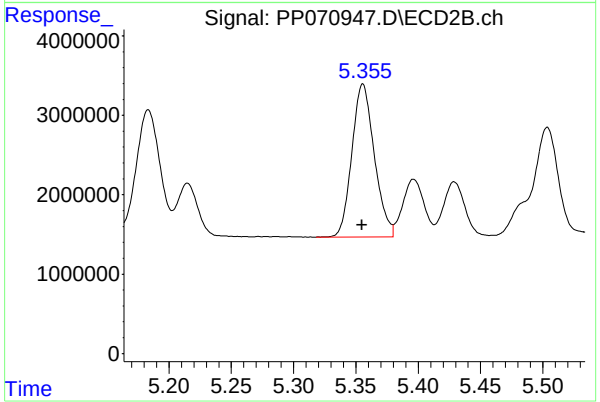

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 21355068
Conc: 552.39 ng/ml



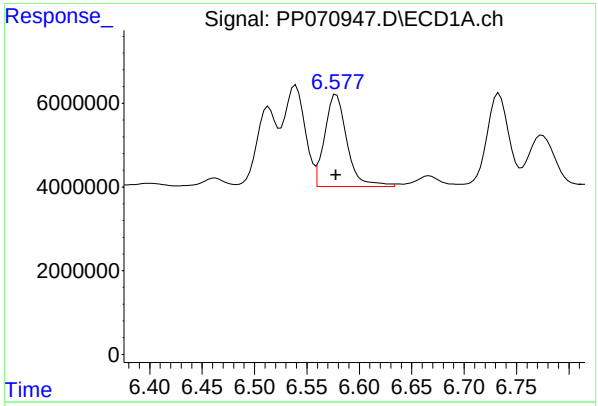

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 33592146
Conc: 523.67 ng/ml




#24 AR-1248-4

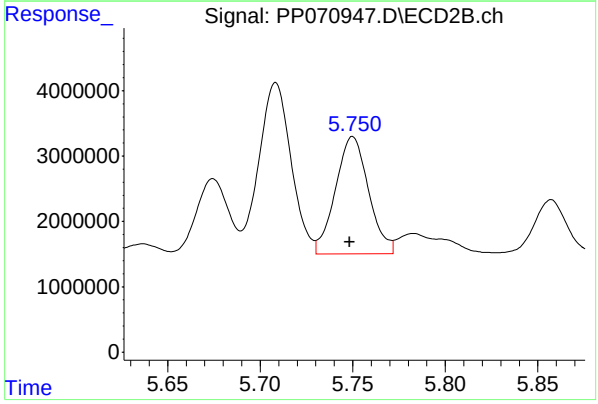
R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 24182903
Conc: 535.72 ng/ml




#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 mi
Response: 32500443
Conc: 534.14 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1248




#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 22380961
Conc: 524.41 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.513 | 3.816 | 80813408 | 55809150 | 53.470 | 50.687 |
| 2) | SA Decachlor... | 10.228 | 8.859 | 60442284 | 44113864 | 53.599 | 53.797 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.514 | 5.708 | 34026950 | 33372474 | 528.449 | 505.507 |
| 27) | L6 AR-1254-2 | 6.730 | 5.856 | 52171420 | 28060451 | 516.086 | 491.442 |
| 28) | L6 AR-1254-3 | 7.093 | 6.260 | 52059367 | 42608413 | 522.014 | 490.647 |
| 29) | L6 AR-1254-4 | 7.375 | 6.489 | 45346150 | 27407702 | 523.647 | 488.547 |
| 30) | L6 AR-1254-5 | 7.790 | 6.907 | 41706053 | 36336253 | 519.049m | 503.617 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

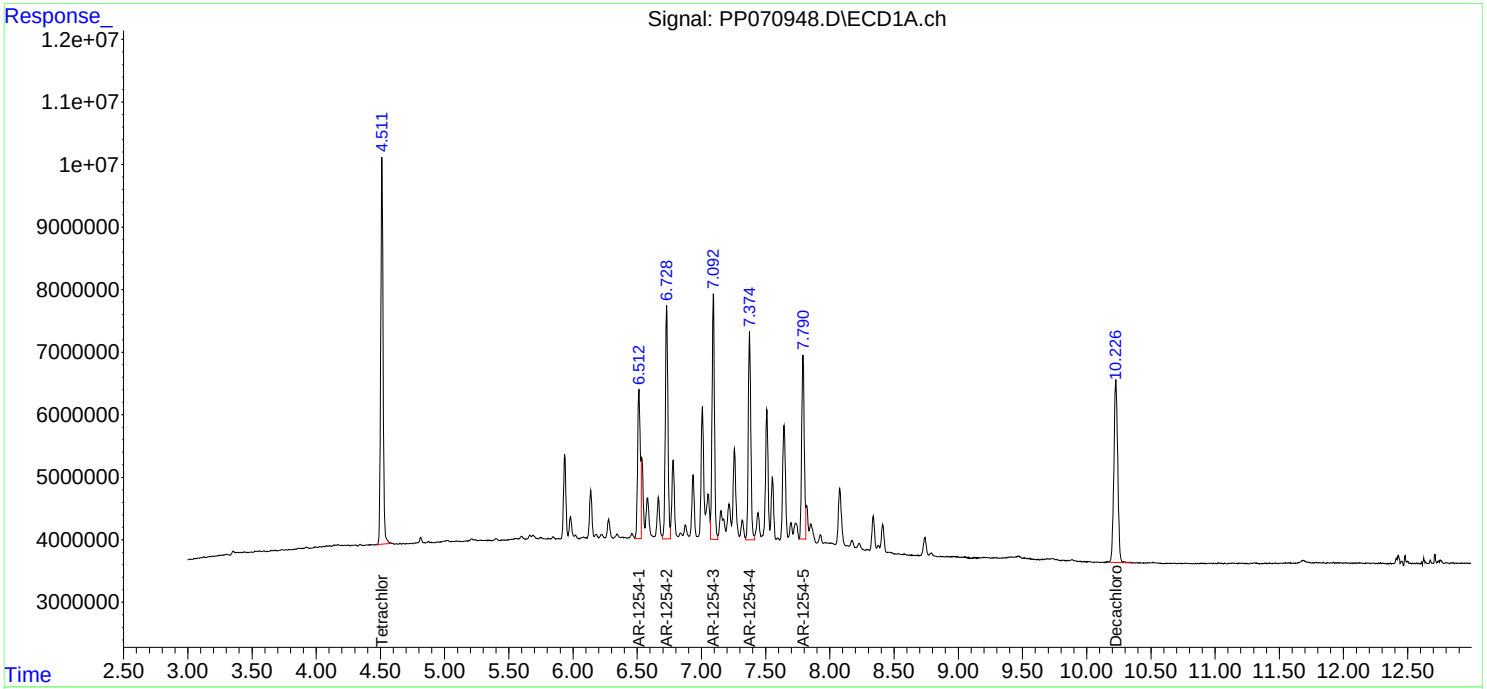
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

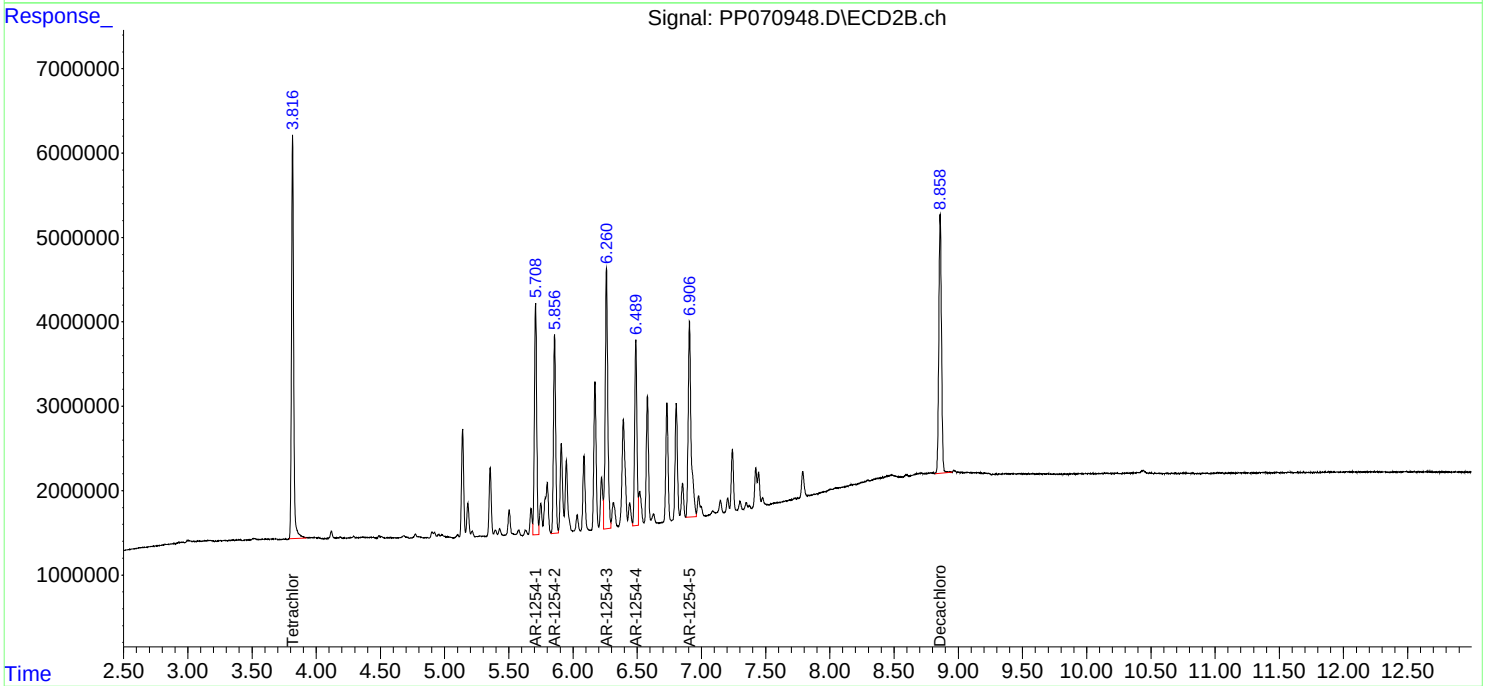
**Manual Integrations APPROVED**

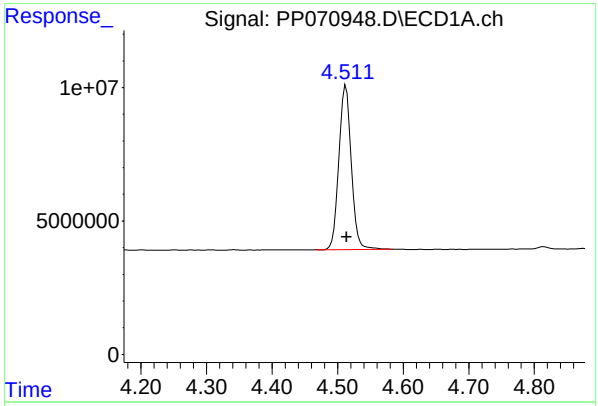
Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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





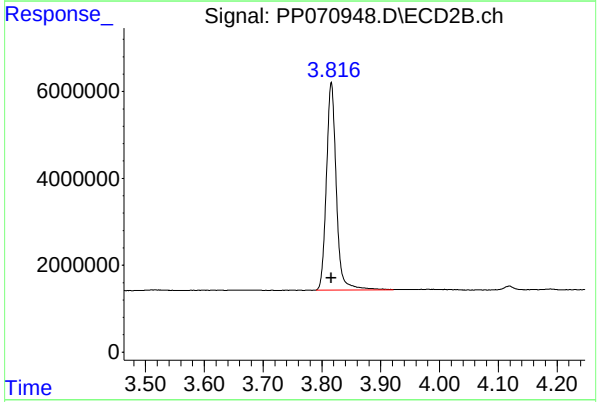

#1 Tetrachloro-m-xylene

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 80813408
Conc: 53.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

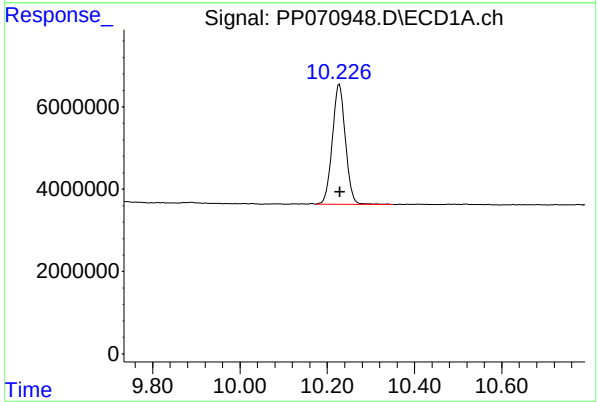
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



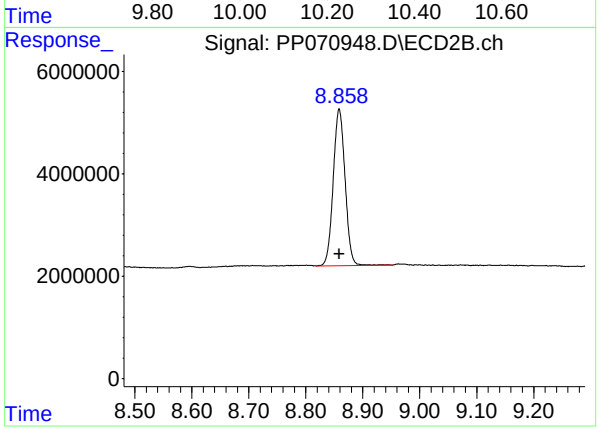

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55809150
Conc: 50.69 ng/ml



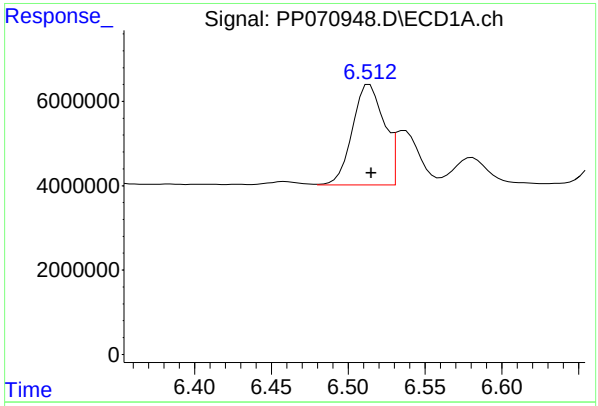

#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 60442284
Conc: 53.60 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 44113864
Conc: 53.80 ng/ml



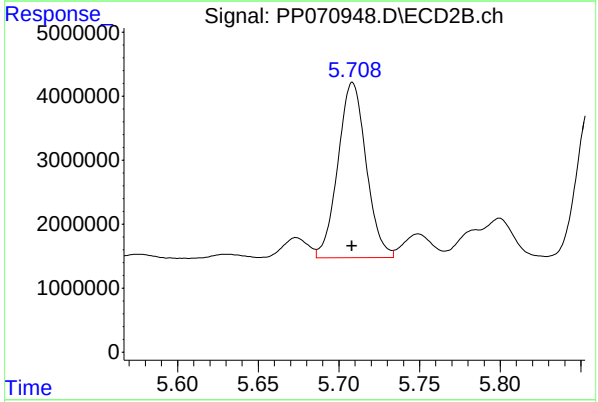

#26 AR-1254-1

R.T.: 6.514 min
Delta R.T.: -0.001 min
Response: 34026950
Conc: 528.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

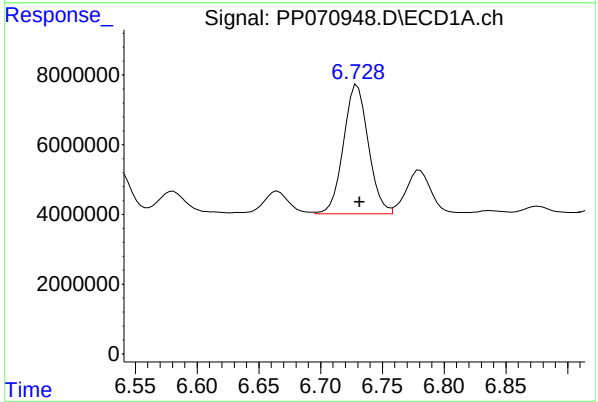
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



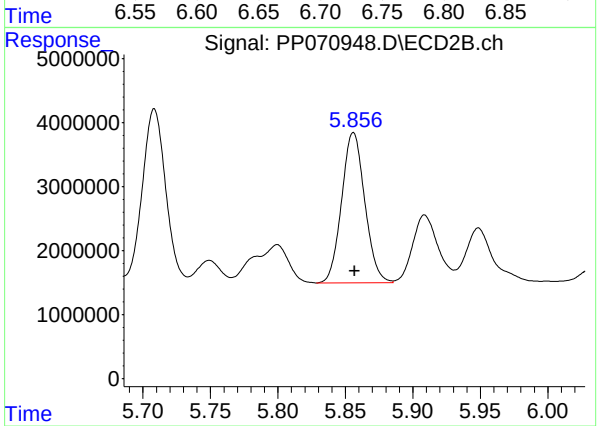

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 33372474
Conc: 505.51 ng/ml



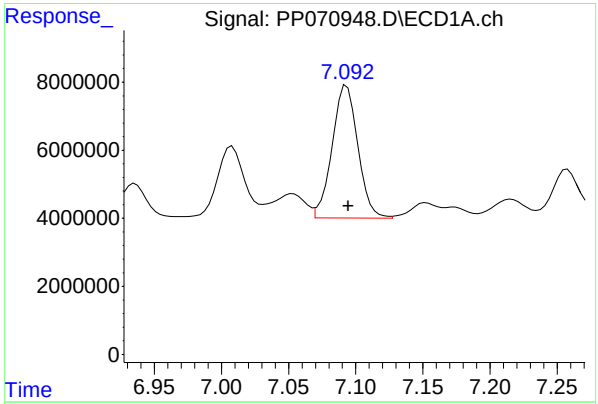

#27 AR-1254-2

R.T.: 6.730 min
Delta R.T.: -0.002 min
Response: 52171420
Conc: 516.09 ng/ml




#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 28060451
Conc: 491.44 ng/ml



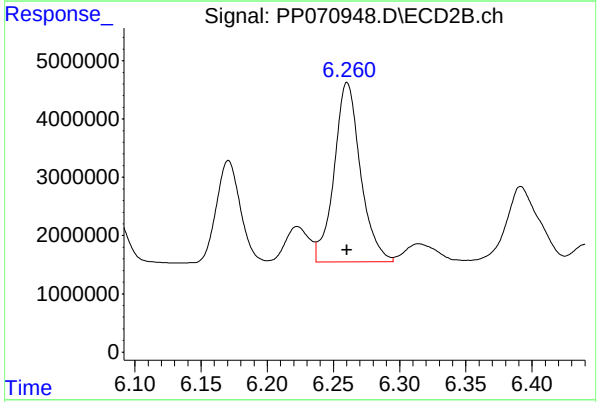

#28 AR-1254-3

R.T.: 7.093 min
Delta R.T.: -0.001 min
Response: 52059367
Conc: 522.01 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

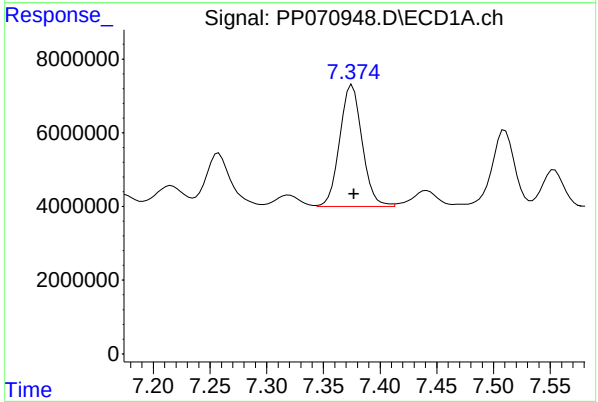
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025



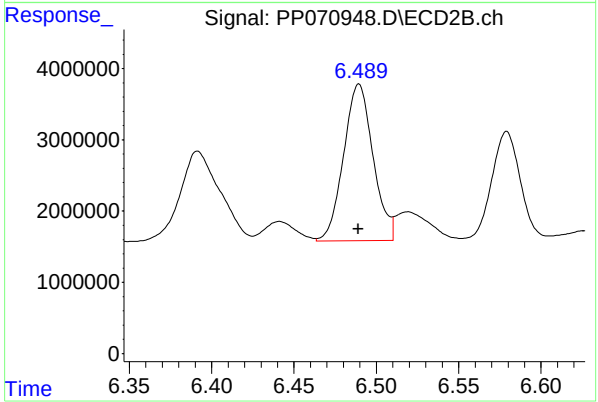

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 42608413
Conc: 490.65 ng/ml



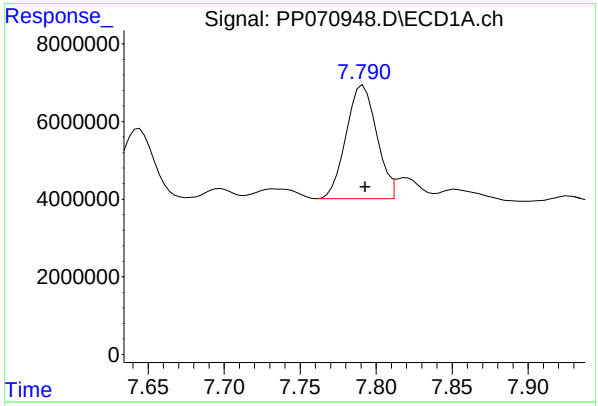

#29 AR-1254-4

R.T.: 7.375 min
Delta R.T.: -0.001 min
Response: 45346150
Conc: 523.65 ng/ml




#29 AR-1254-4

R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 27407702
Conc: 488.55 ng/ml



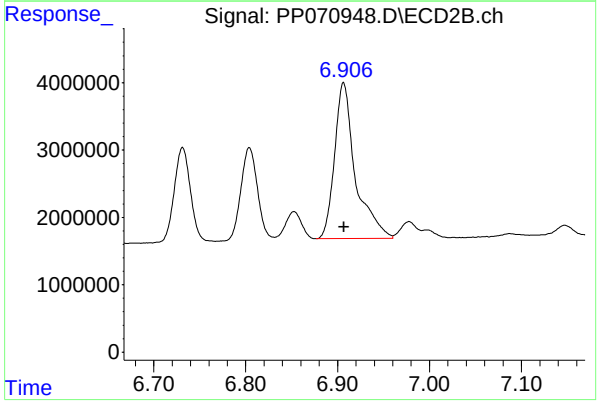

#30 AR-1254-5

R.T.: 7.790 min
Delta R.T.: -0.003 min
Response: 41706053
Conc: 519.05 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 03/28/2025
Supervised By :mohammad ahmed 03/31/2025




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 36336253
Conc: 503.62 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 20:20
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:43:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.516 | 3.816 | 81260121 | 54086649 | 52.018 | 47.172 |
| 2) | SA Decachlor... | 10.231 | 8.858 | 106.7E6 | 75635416 | 51.843 | 49.238 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.729 | 7.728 | 122.6E6 | 85915063 | 520.500 | 501.249 |
| 42) | L9 AR-1268-2 | 8.822 | 7.793 | 102.3E6 | 71467631 | 523.804 | 498.787 |
| 43) | L9 AR-1268-3 | 9.054 | 7.999 | 88458310 | 61199335 | 517.562 | 496.952 |
| 44) | L9 AR-1268-4 | 9.472 | 8.292 | 37948087 | 26301297 | 536.390 | 498.006 |
| 45) | L9 AR-1268-5 | 9.889 | 8.595 | 246.0E6 | 175.8E6 | 516.662 | 485.835 |

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

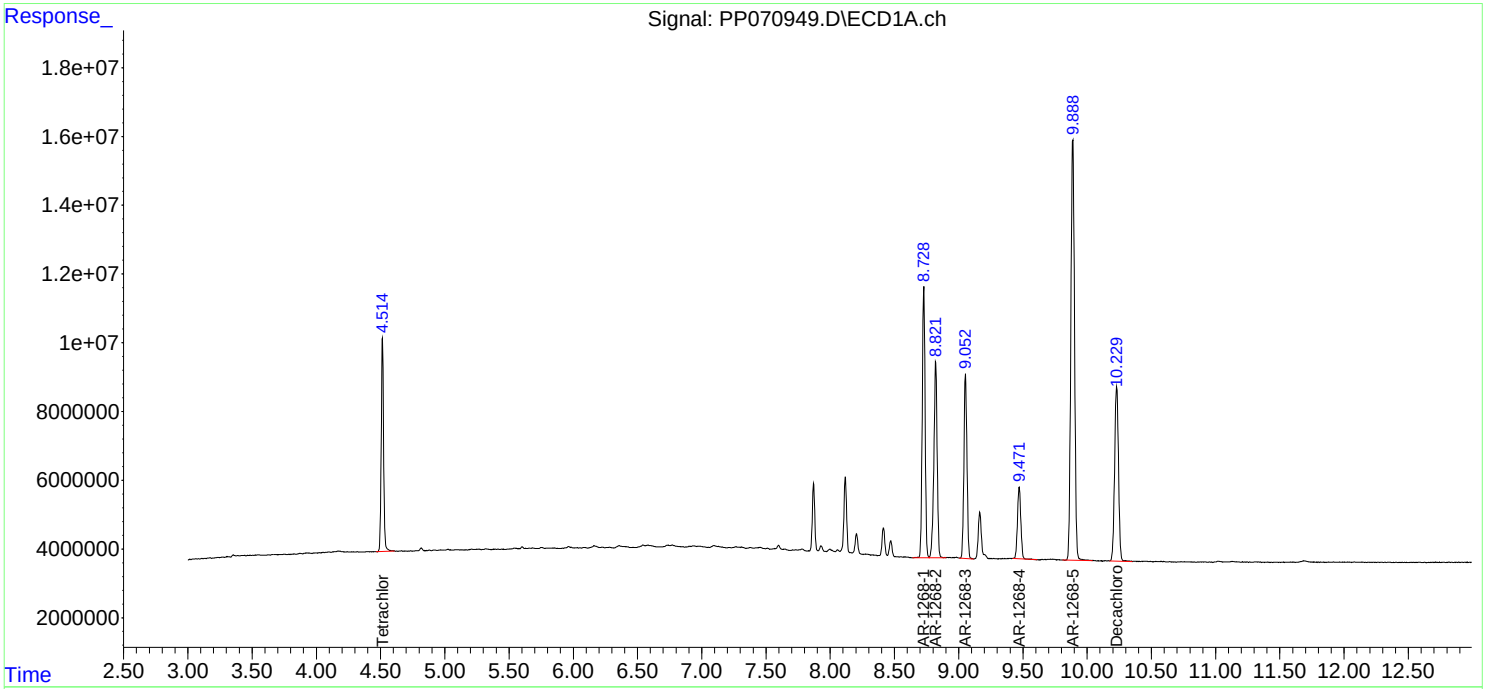
ICAL Form

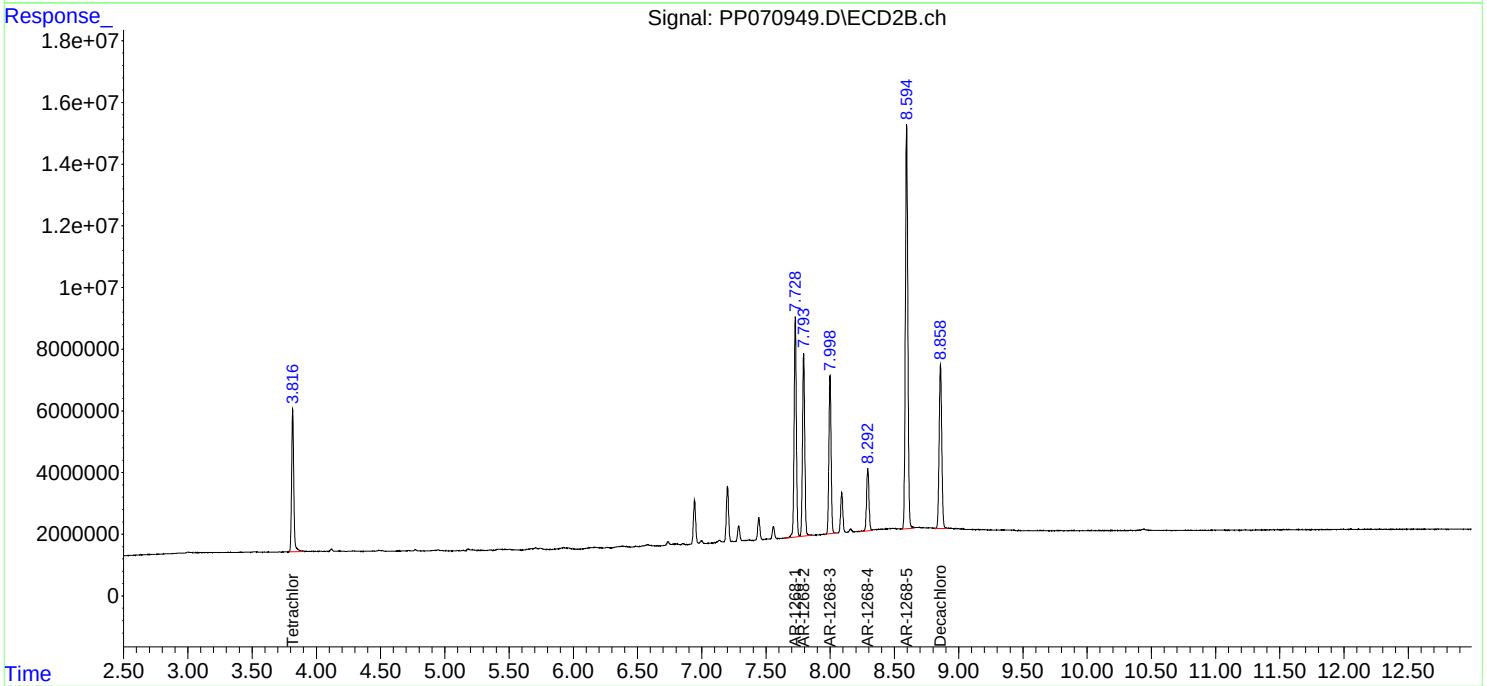
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 20:20
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

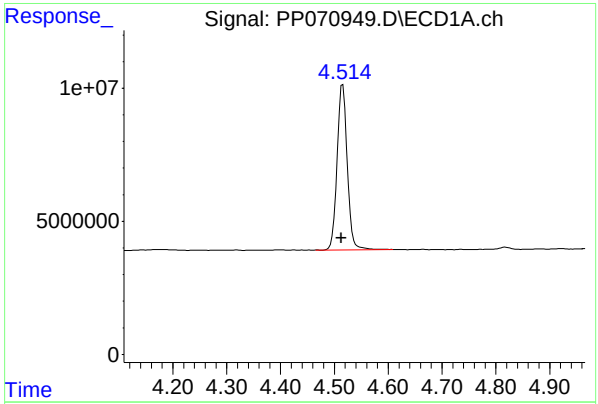
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:48:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:43:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



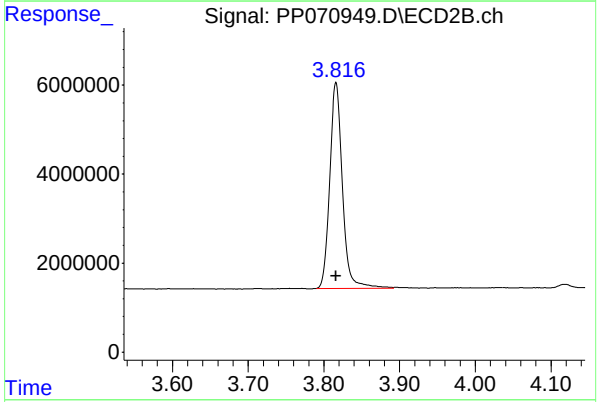






#1 Tetrachloro-m-xylene

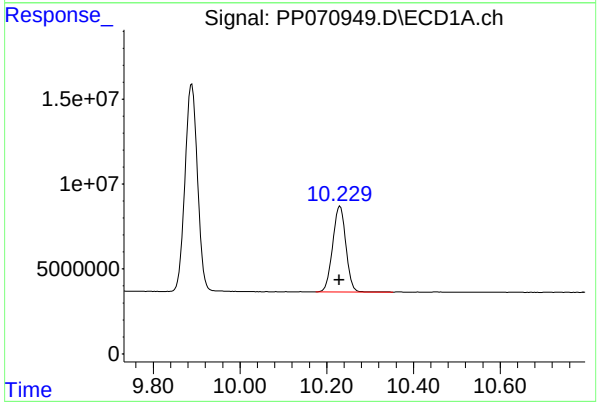
R.T.: 4.516 min
Delta R.T.: 0.003 min
Response: 81260121
Conc: 52.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268



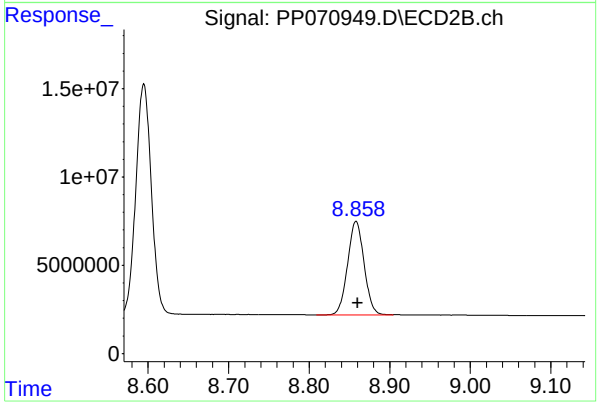

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 54086649
Conc: 47.17 ng/ml



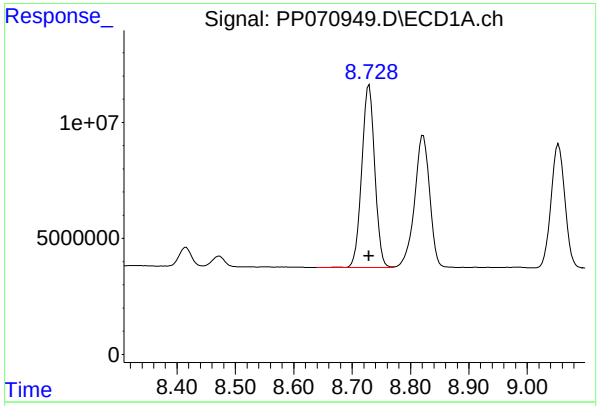

#2 Decachlorobiphenyl

R.T.: 10.231 min
Delta R.T.: 0.000 min
Response: 106656431
Conc: 51.84 ng/ml




#2 Decachlorobiphenyl

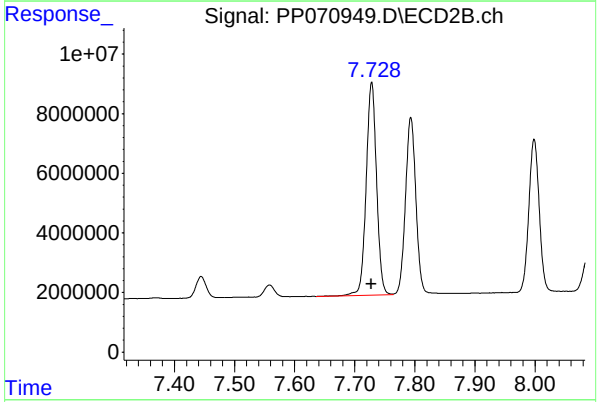
R.T.: 8.858 min
Delta R.T.: -0.002 min
Response: 75635416
Conc: 49.24 ng/ml




#41 AR-1268-1

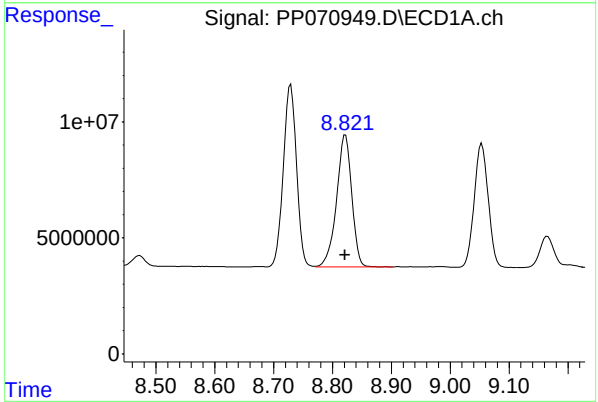
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 122581794
Conc: 520.50 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268



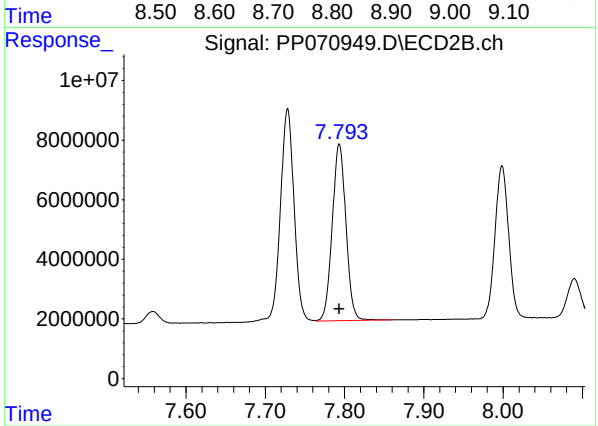

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 85915063
Conc: 501.25 ng/ml



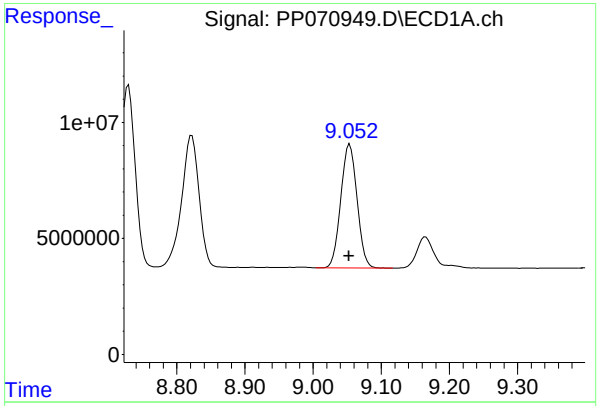

#42 AR-1268-2

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 102307003
Conc: 523.80 ng/ml




#42 AR-1268-2

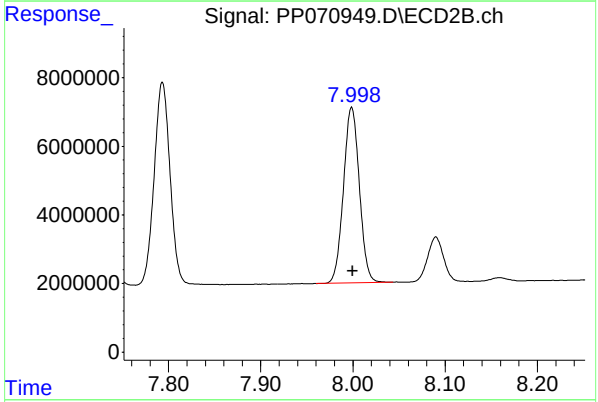
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 71467631
Conc: 498.79 ng/ml




#43 AR-1268-3

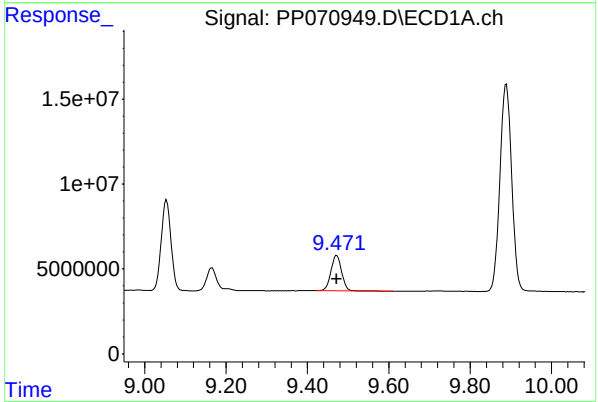
R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 88458310
Conc: 517.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268



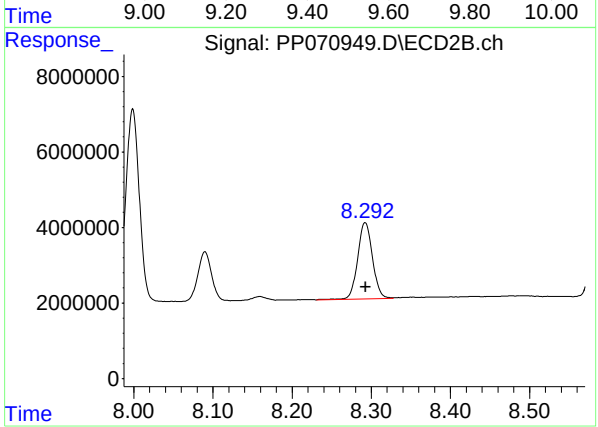

#43 AR-1268-3

R.T.: 7.999 min
Delta R.T.: -0.001 min
Response: 61199335
Conc: 496.95 ng/ml



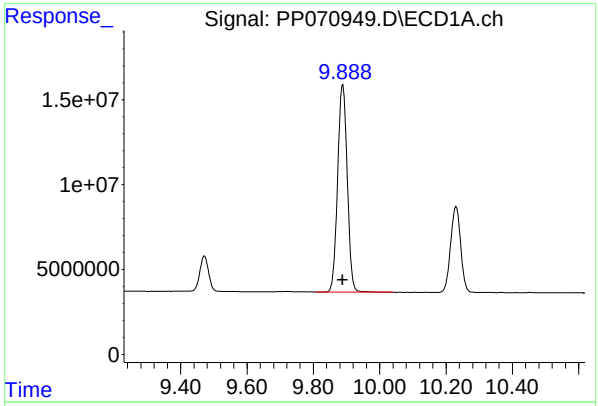

#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 37948087
Conc: 536.39 ng/ml




#44 AR-1268-4

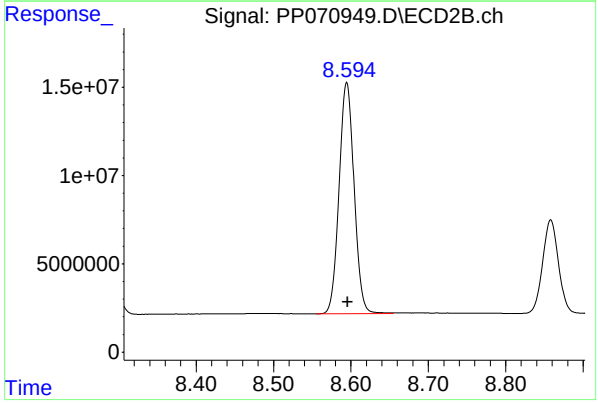
R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 26301297
Conc: 498.01 ng/ml




#45 AR-1268-5

R.T.: 9.889 min
Delta R.T.: 0.000 mi
Response: 246021928
Conc: 516.66 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1268




#45 AR-1268-5

R.T.: 8.595 min
Delta R.T.: -0.001 min
Response: 175808654
Conc: 485.84 ng/ml

Raw Data: **PO110263.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 09:46 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.78 | 4.79 | 4.69 | 4.89 | 0.01 |
| Aroclor-1016-2 | (2) | 4.80 | 4.80 | 4.70 | 4.90 | 0.00 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.88 | 5.08 | 0.00 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.18 | 6.38 | 0.00 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.84 | 6.84 | 6.74 | 6.94 | 0.00 |
| Aroclor-1260-4 | (4) | 7.10 | 7.10 | 7.00 | 7.20 | 0.00 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.24 | 7.44 | 0.00 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.74 | 8.75 | 8.65 | 8.85 | 0.01 |

Raw Data: **PO110263.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 09:46 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1016-3 | (3) | 4.96 | 4.97 | 4.87 | 5.07 | 0.01 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 4.91 | 5.11 | 0.00 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.12 | 5.32 | 0.00 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.16 | 6.36 | 0.01 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.34 | 6.54 | 0.00 |
| Aroclor-1260-3 | (3) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-4 | (4) | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.31 | 7.21 | 7.41 | 0.01 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.60 | 8.80 | 0.01 |

Raw Data: **PO110263.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110263.D **Time Analyzed:** 09:46

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.784 | 4.685 | 4.885 | 533.050 | 500.000 | 6.6 |
| Aroclor-1016-2 | 4.803 | 4.704 | 4.904 | 532.950 | 500.000 | 6.6 |
| Aroclor-1016-3 | 4.860 | 4.761 | 4.961 | 534.220 | 500.000 | 6.8 |
| Aroclor-1016-4 | 4.980 | 4.881 | 5.081 | 533.580 | 500.000 | 6.7 |
| Aroclor-1016-5 | 5.238 | 5.139 | 5.339 | 534.560 | 500.000 | 6.9 |
| Aroclor-1260-1 | 6.279 | 6.180 | 6.380 | 540.840 | 500.000 | 8.2 |
| Aroclor-1260-2 | 6.467 | 6.369 | 6.569 | 507.690 | 500.000 | 1.5 |
| Aroclor-1260-3 | 6.835 | 6.737 | 6.937 | 498.120 | 500.000 | -0.4 |
| Aroclor-1260-4 | 7.096 | 6.998 | 7.198 | 486.870 | 500.000 | -2.6 |
| Aroclor-1260-5 | 7.337 | 7.239 | 7.439 | 480.250 | 500.000 | -4.0 |
| Decachlorobiphenyl | 8.742 | 8.645 | 8.845 | 57.530 | 50.000 | 15.1 |
| Tetrachloro-m-xylene | 3.692 | 3.592 | 3.792 | 53.720 | 50.000 | 7.4 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL01 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110263.D **Time Analyzed:** 09:46

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.769 | 4.672 | 4.872 | 509.410 | 500.000 | 1.9 |
| Aroclor-1016-2 | 4.788 | 4.691 | 4.891 | 506.900 | 500.000 | 1.4 |
| Aroclor-1016-3 | 4.964 | 4.867 | 5.067 | 511.350 | 500.000 | 2.3 |
| Aroclor-1016-4 | 5.005 | 4.909 | 5.109 | 504.600 | 500.000 | 0.9 |
| Aroclor-1016-5 | 5.219 | 5.122 | 5.322 | 510.930 | 500.000 | 2.2 |
| Aroclor-1260-1 | 6.250 | 6.155 | 6.355 | 495.180 | 500.000 | -1.0 |
| Aroclor-1260-2 | 6.438 | 6.342 | 6.542 | 487.390 | 500.000 | -2.5 |
| Aroclor-1260-3 | 6.591 | 6.495 | 6.695 | 473.050 | 500.000 | -5.4 |
| Aroclor-1260-4 | 7.062 | 6.967 | 7.167 | 467.970 | 500.000 | -6.4 |
| Aroclor-1260-5 | 7.302 | 7.207 | 7.407 | 455.220 | 500.000 | -9.0 |
| Decachlorobiphenyl | 8.690 | 8.596 | 8.796 | 48.910 | 50.000 | -2.2 |
| Tetrachloro-m-xylene | 3.687 | 3.590 | 3.790 | 52.660 | 50.000 | 5.3 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 09:46
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 12:29:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.687 | 489.0E6 | 276.2E6 | 53.724 | 52.660 |
| 2) SA | Decachlor... | 8.742 | 8.690 | 442.3E6 | 118.7E6 | 57.530 | 48.907 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 4.784 | 4.769 | 179.4E6 | 93351070 | 533.053 | 509.405 |
| 4) L1 | AR-1016-2 | 4.803 | 4.788 | 247.1E6 | 132.6E6 | 532.949 | 506.901 |
| 5) L1 | AR-1016-3 | 4.860 | 4.964 | 171.3E6 | 72498019 | 534.221 | 511.346 |
| 6) L1 | AR-1016-4 | 4.980 | 5.005 | 134.8E6 | 59506839 | 533.582 | 504.596 |
| 7) L1 | AR-1016-5 | 5.238 | 5.219 | 146.9E6 | 78129978 | 534.558 | 510.925 |
| 31) L7 | AR-1260-1 | 6.279 | 6.250 | 254.9E6 | 126.5E6 | 540.836 | 495.179 |
| 32) L7 | AR-1260-2 | 6.467 | 6.438 | 302.3E6 | 146.4E6 | 507.691 | 487.393 |
| 33) L7 | AR-1260-3 | 6.835 | 6.591 | 241.7E6 | 136.7E6 | 498.121 | 473.054 |
| 34) L7 | AR-1260-4 | 7.096 | 7.062 | 206.5E6 | 100.7E6 | 486.872 | 467.969 |
| 35) L7 | AR-1260-5 | 7.337 | 7.302 | 502.3E6 | 227.0E6 | 480.254 | 455.222 |

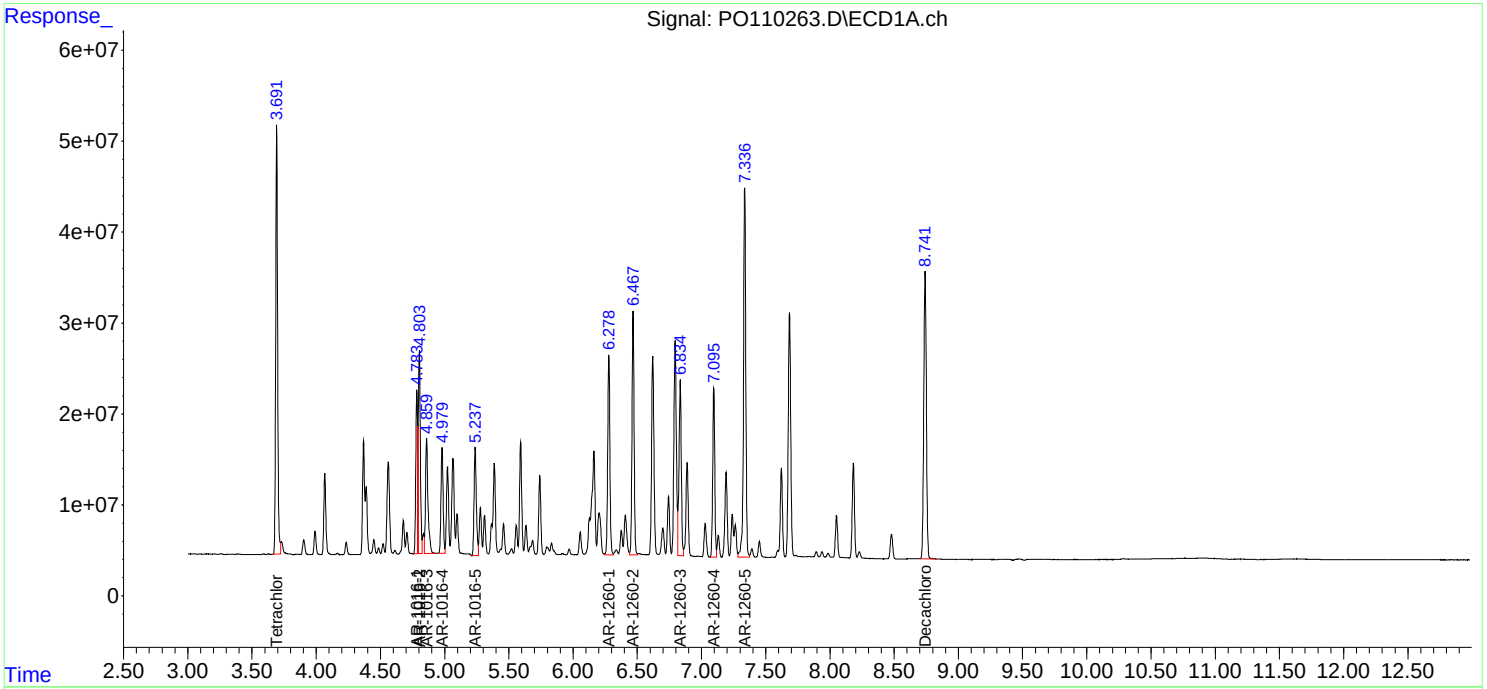
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

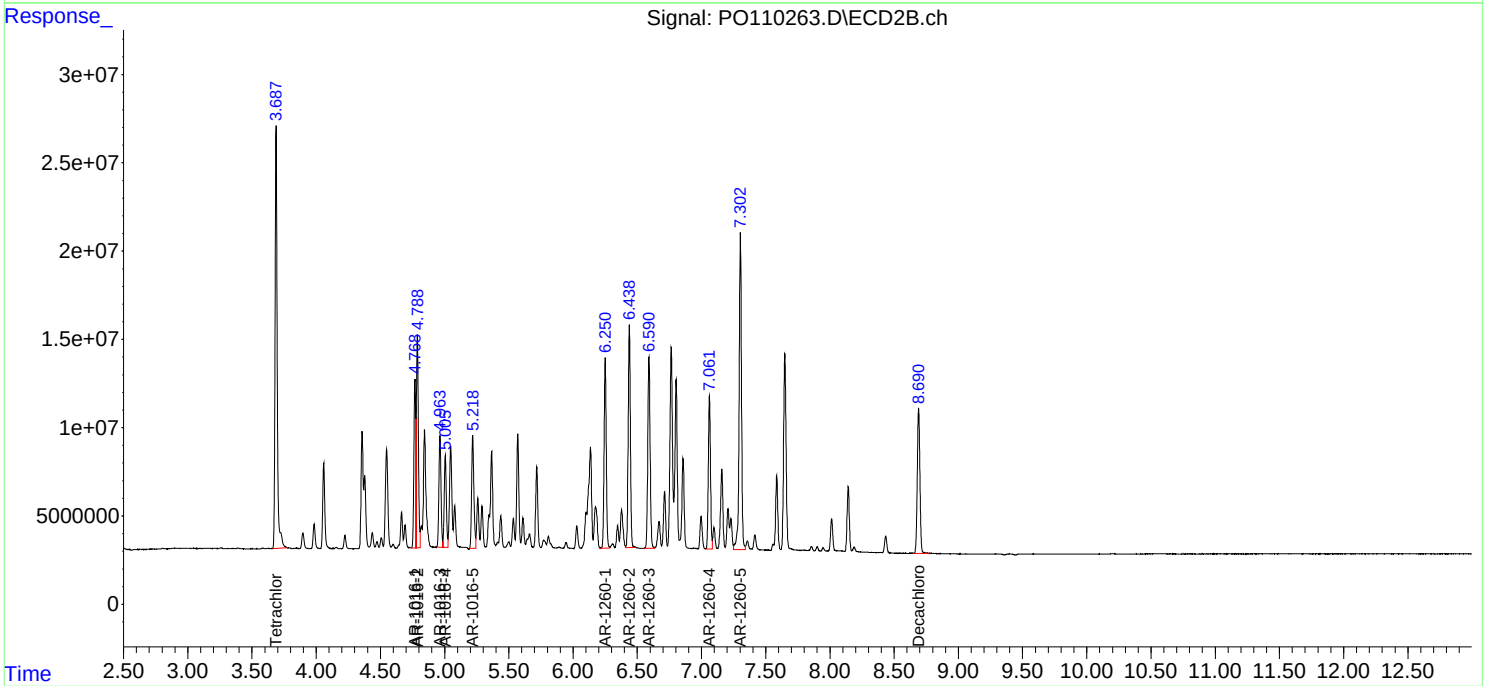
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110263.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 09:46
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

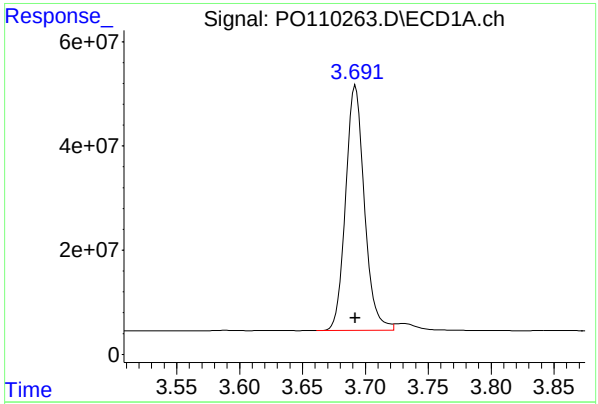
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 12:29:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



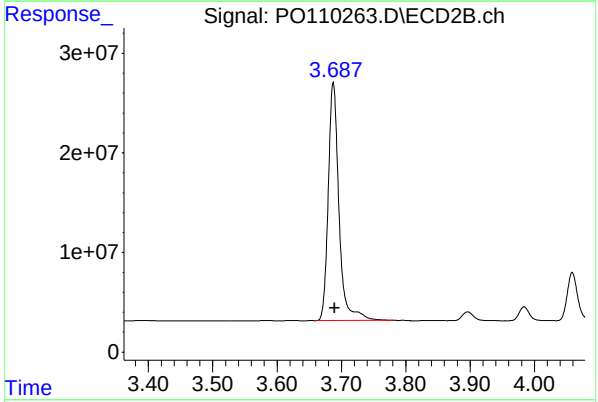






#1 Tetrachloro-m-xylene

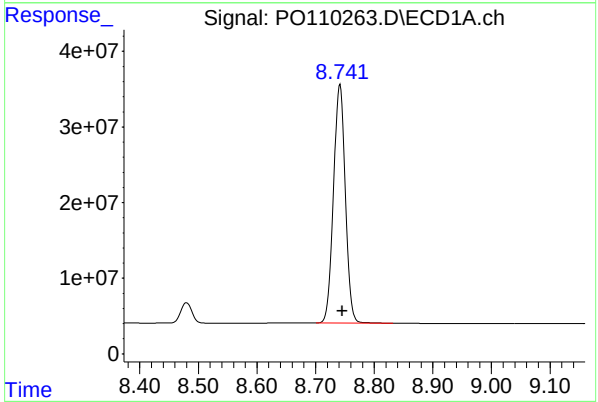
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 488973455
Conc: 53.72 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



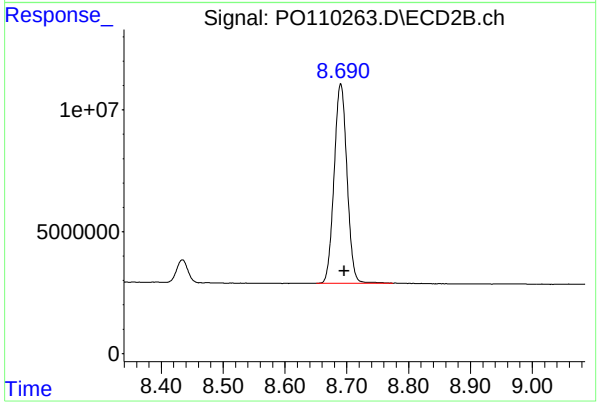

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 276154148
Conc: 52.66 ng/ml



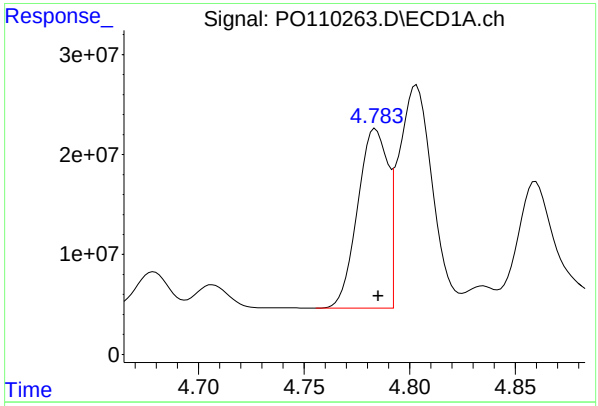

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.004 min
Response: 442329479
Conc: 57.53 ng/ml




#2 Decachlorobiphenyl

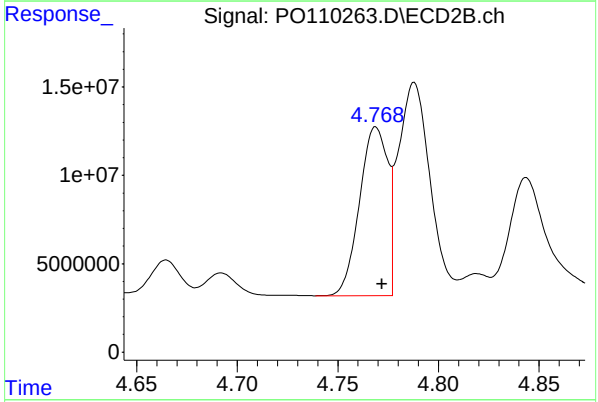
R.T.: 8.690 min
Delta R.T.: -0.006 min
Response: 118652560
Conc: 48.91 ng/ml




#3 AR-1016-1

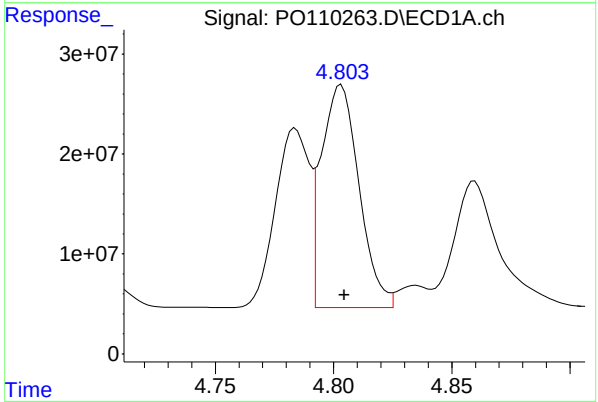
R.T.: 4.784 min
Delta R.T.: -0.001 min
Response: 179395675
Conc: 533.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



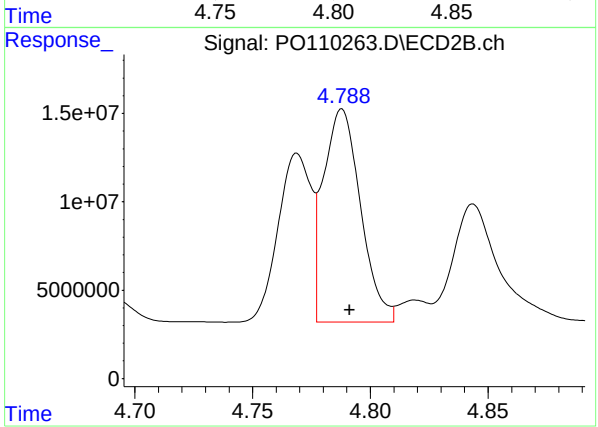

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 93351070
Conc: 509.41 ng/ml



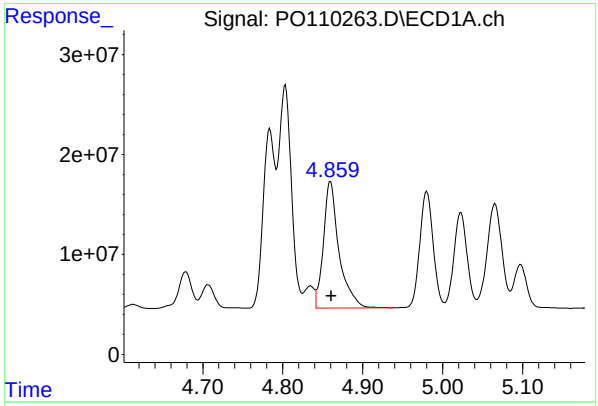

#4 AR-1016-2

R.T.: 4.803 min
Delta R.T.: -0.001 min
Response: 247120791
Conc: 532.95 ng/ml




#4 AR-1016-2

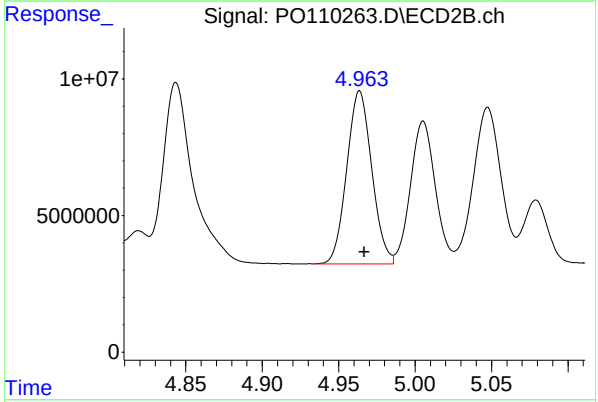
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 132556824
Conc: 506.90 ng/ml




#5 AR-1016-3

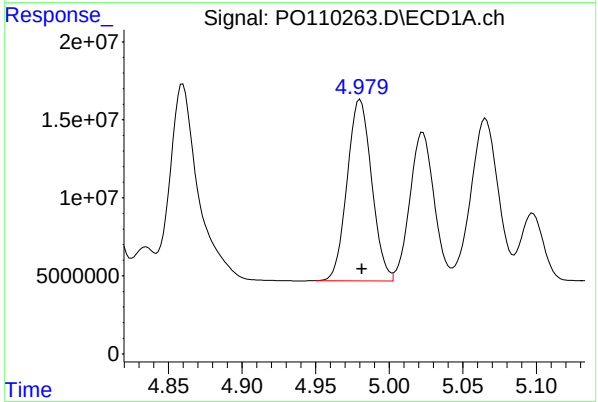
R.T.: 4.860 min
Delta R.T.: -0.001 min
Response: 171263953
Conc: 534.22 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



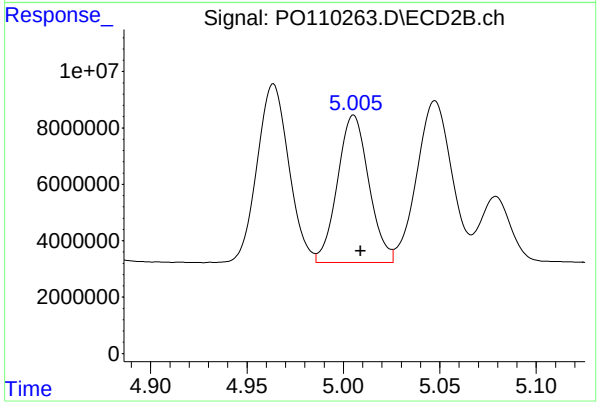

#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 72498019
Conc: 511.35 ng/ml



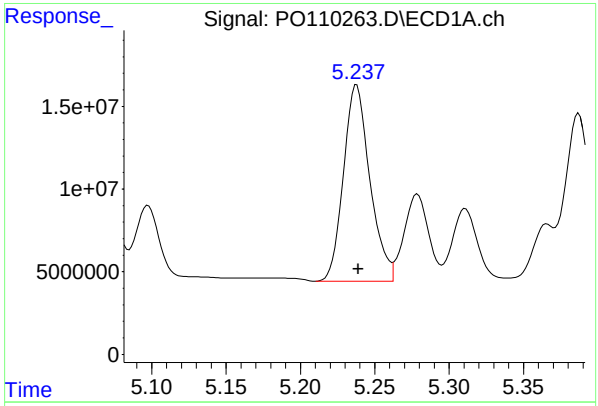

#6 AR-1016-4

R.T.: 4.980 min
Delta R.T.: -0.001 min
Response: 134830395
Conc: 533.58 ng/ml




#6 AR-1016-4

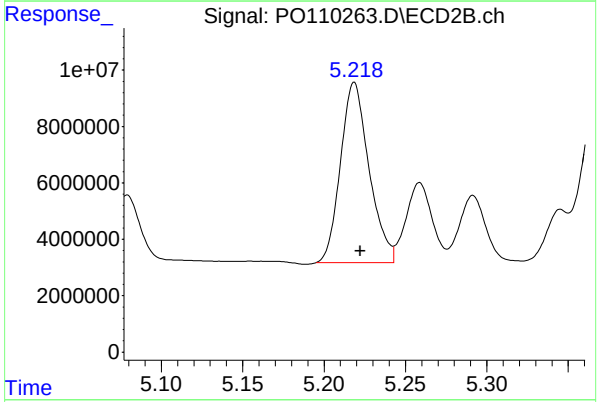
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 59506839
Conc: 504.60 ng/ml




#7 AR-1016-5

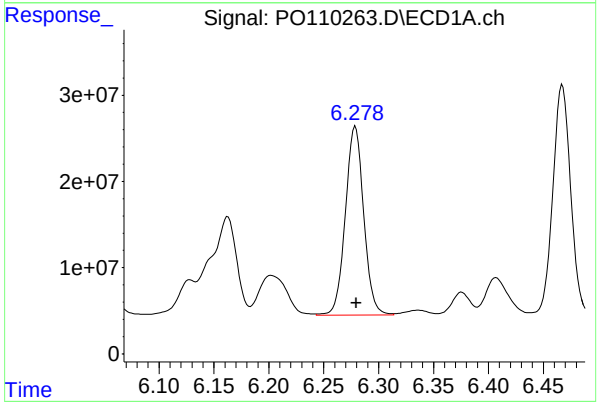
R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 146932389
Conc: 534.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



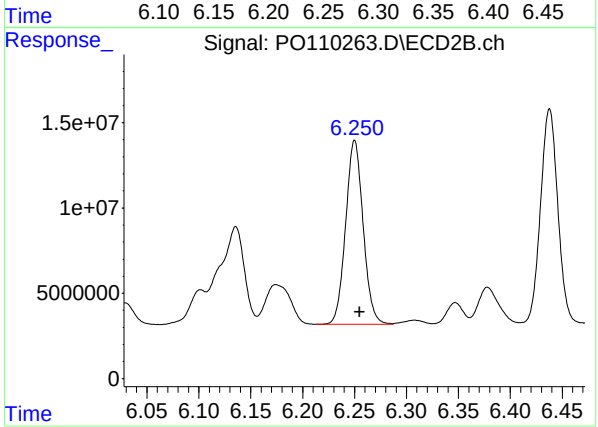

#7 AR-1016-5

R.T.: 5.219 min
Delta R.T.: -0.004 min
Response: 78129978
Conc: 510.93 ng/ml



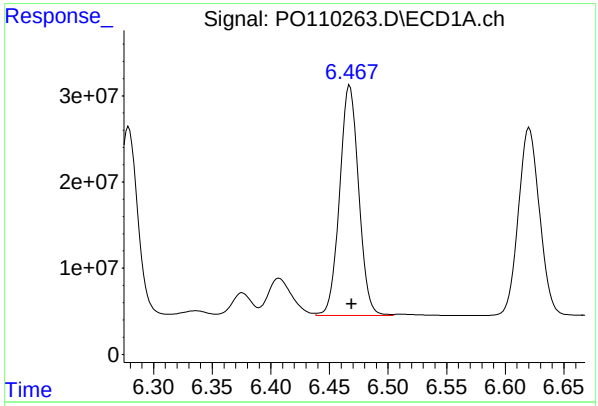

#31 AR-1260-1

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 254923351
Conc: 540.84 ng/ml




#31 AR-1260-1

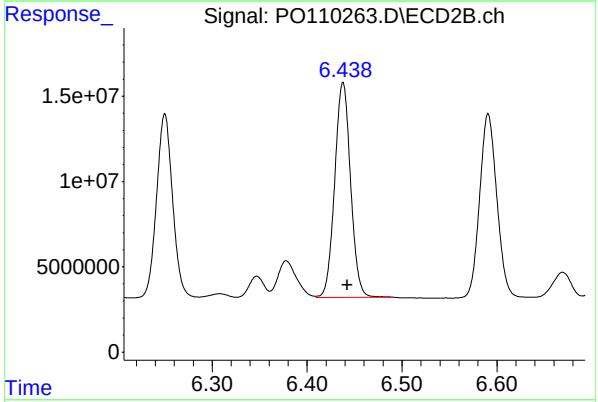
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 126489343
Conc: 495.18 ng/ml




#32 AR-1260-2

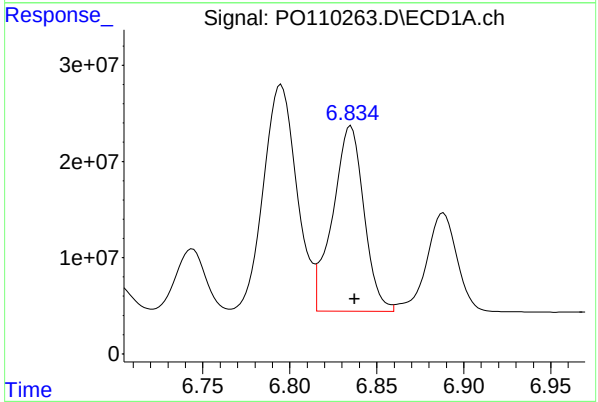
R.T.: 6.467 min
Delta R.T.: -0.002 min
Response: 302339417
Conc: 507.69 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



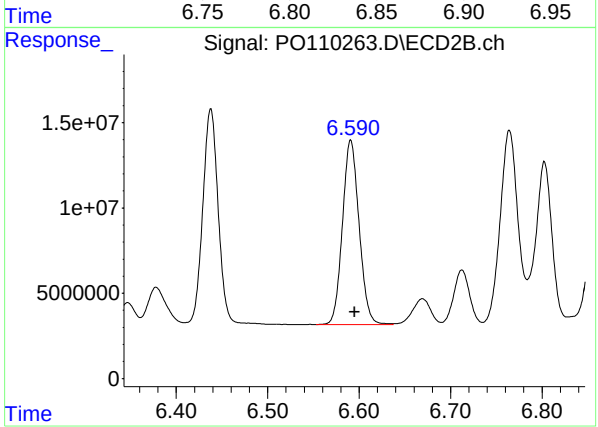

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 146357167
Conc: 487.39 ng/ml



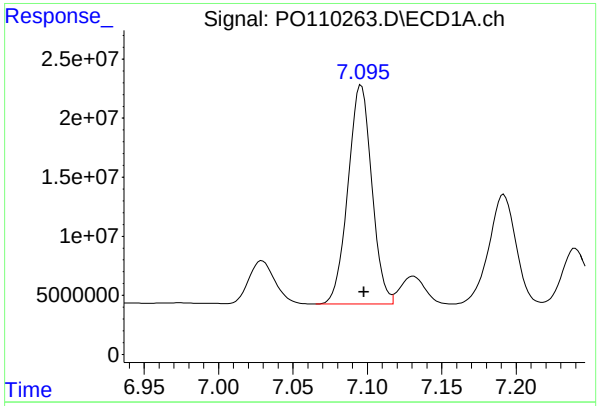

#33 AR-1260-3

R.T.: 6.835 min
Delta R.T.: -0.002 min
Response: 241738750
Conc: 498.12 ng/ml




#33 AR-1260-3

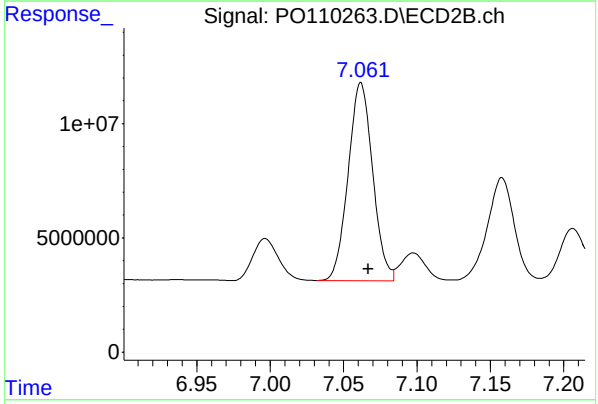
R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 136704083
Conc: 473.05 ng/ml




#34 AR-1260-4

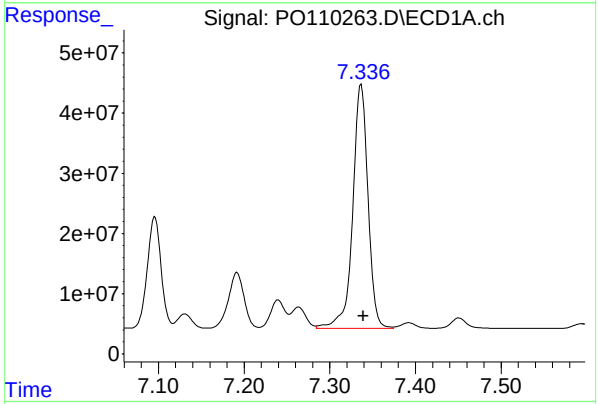
R.T.: 7.096 min
Delta R.T.: -0.002 min
Response: 206515387
Conc: 486.87 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



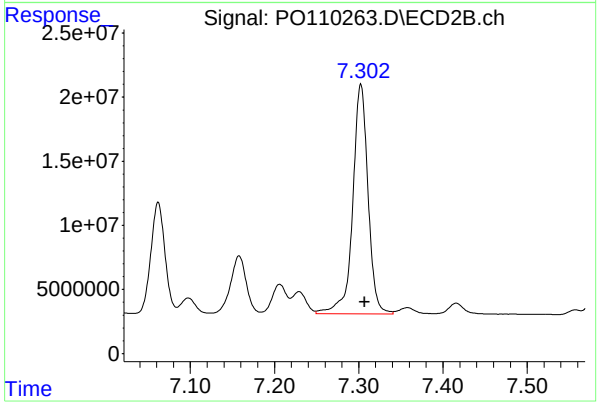

#34 AR-1260-4

R.T.: 7.062 min
Delta R.T.: -0.005 min
Response: 100650011
Conc: 467.97 ng/ml




#35 AR-1260-5

R.T.: 7.337 min
Delta R.T.: -0.003 min
Response: 502271562
Conc: 480.25 ng/ml




#35 AR-1260-5

R.T.: 7.302 min
Delta R.T.: -0.005 min
Response: 227017361
Conc: 455.22 ng/ml

Raw Data: **PO110278.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 17:14 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.78 | 4.79 | 4.69 | 4.89 | 0.01 |
| Aroclor-1016-2 | (2) | 4.80 | 4.80 | 4.70 | 4.90 | 0.00 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.88 | 5.08 | 0.00 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.18 | 6.38 | 0.00 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.83 | 6.84 | 6.74 | 6.94 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.24 | 7.44 | 0.00 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.74 | 8.75 | 8.65 | 8.85 | 0.01 |

Raw Data: **PO110278.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 17:14 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1016-3 | (3) | 4.96 | 4.97 | 4.87 | 5.07 | 0.01 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 4.91 | 5.11 | 0.00 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.12 | 5.32 | 0.00 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.16 | 6.36 | 0.01 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.34 | 6.54 | 0.00 |
| Aroclor-1260-3 | (3) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-4 | (4) | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.31 | 7.21 | 7.41 | 0.01 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.60 | 8.80 | 0.01 |

Raw Data: **PO110278.D**

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110278.D **Time Analyzed:** 17:14

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.782 | 4.685 | 4.885 | 511.900 | 500.000 | 2.4 |
| Aroclor-1016-2 | 4.802 | 4.704 | 4.904 | 513.800 | 500.000 | 2.8 |
| Aroclor-1016-3 | 4.858 | 4.761 | 4.961 | 513.560 | 500.000 | 2.7 |
| Aroclor-1016-4 | 4.979 | 4.881 | 5.081 | 505.500 | 500.000 | 1.1 |
| Aroclor-1016-5 | 5.236 | 5.139 | 5.339 | 483.610 | 500.000 | -3.3 |
| Aroclor-1260-1 | 6.276 | 6.180 | 6.380 | 516.970 | 500.000 | 3.4 |
| Aroclor-1260-2 | 6.466 | 6.369 | 6.569 | 486.490 | 500.000 | -2.7 |
| Aroclor-1260-3 | 6.834 | 6.737 | 6.937 | 450.780 | 500.000 | -9.8 |
| Aroclor-1260-4 | 7.094 | 6.998 | 7.198 | 442.100 | 500.000 | -11.6 |
| Aroclor-1260-5 | 7.336 | 7.239 | 7.439 | 429.820 | 500.000 | -14.0 |
| Decachlorobiphenyl | 8.741 | 8.645 | 8.845 | 52.440 | 50.000 | 4.9 |
| Tetrachloro-m-xylene | 3.691 | 3.592 | 3.792 | 52.070 | 50.000 | 4.1 |

Alliance TECHNICAL GROUP

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL02 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110278.D **Time Analyzed:** 17:14

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.769 | 4.672 | 4.872 | 501.230 | 500.000 | 0.2 |
| Aroclor-1016-2 | 4.788 | 4.691 | 4.891 | 505.970 | 500.000 | 1.2 |
| Aroclor-1016-3 | 4.964 | 4.867 | 5.067 | 506.650 | 500.000 | 1.3 |
| Aroclor-1016-4 | 5.006 | 4.909 | 5.109 | 501.000 | 500.000 | 0.2 |
| Aroclor-1016-5 | 5.218 | 5.122 | 5.322 | 500.710 | 500.000 | 0.1 |
| Aroclor-1260-1 | 6.250 | 6.155 | 6.355 | 459.750 | 500.000 | -8.1 |
| Aroclor-1260-2 | 6.438 | 6.342 | 6.542 | 450.220 | 500.000 | -10.0 |
| Aroclor-1260-3 | 6.591 | 6.495 | 6.695 | 435.550 | 500.000 | -12.9 |
| Aroclor-1260-4 | 7.063 | 6.967 | 7.167 | 432.750 | 500.000 | -13.5 |
| Aroclor-1260-5 | 7.303 | 7.207 | 7.407 | 419.150 | 500.000 | -16.2 |
| Decachlorobiphenyl | 8.691 | 8.596 | 8.796 | 46.440 | 50.000 | -7.1 |
| Tetrachloro-m-xylene | 3.688 | 3.590 | 3.790 | 52.230 | 50.000 | 4.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 17:14
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 17:33:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 473.9E6 | 273.9E6 | 52.066 | 52.232 |
| 2) | SA Decachlor... | 8.741 | 8.691 | 403.2E6 | 112.7E6 | 52.443 | 46.444 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.782 | 4.769 | 172.3E6 | 91853593 | 511.903 | 501.234 |
| 4) | L1 AR-1016-2 | 4.802 | 4.788 | 238.2E6 | 132.3E6 | 513.796 | 505.969 |
| 5) | L1 AR-1016-3 | 4.858 | 4.964 | 164.6E6 | 71832300 | 513.560 | 506.651 |
| 6) | L1 AR-1016-4 | 4.979 | 5.006 | 127.7E6 | 59082308 | 505.504 | 500.996 |
| 7) | L1 AR-1016-5 | 5.236 | 5.218 | 132.9E6 | 76567933 | 483.609 | 500.710 |
| 31) | L7 AR-1260-1 | 6.276 | 6.250 | 243.7E6 | 117.4E6 | 516.972 | 459.747 |
| 32) | L7 AR-1260-2 | 6.466 | 6.438 | 289.7E6 | 135.2E6 | 486.489 | 450.225 |
| 33) | L7 AR-1260-3 | 6.834 | 6.591 | 218.8E6 | 125.9E6 | 450.781 | 435.554 |
| 34) | L7 AR-1260-4 | 7.094 | 7.063 | 187.5E6 | 93074613 | 442.104 | 432.747 |
| 35) | L7 AR-1260-5 | 7.336 | 7.303 | 449.5E6 | 209.0E6 | 429.819 | 419.151 |

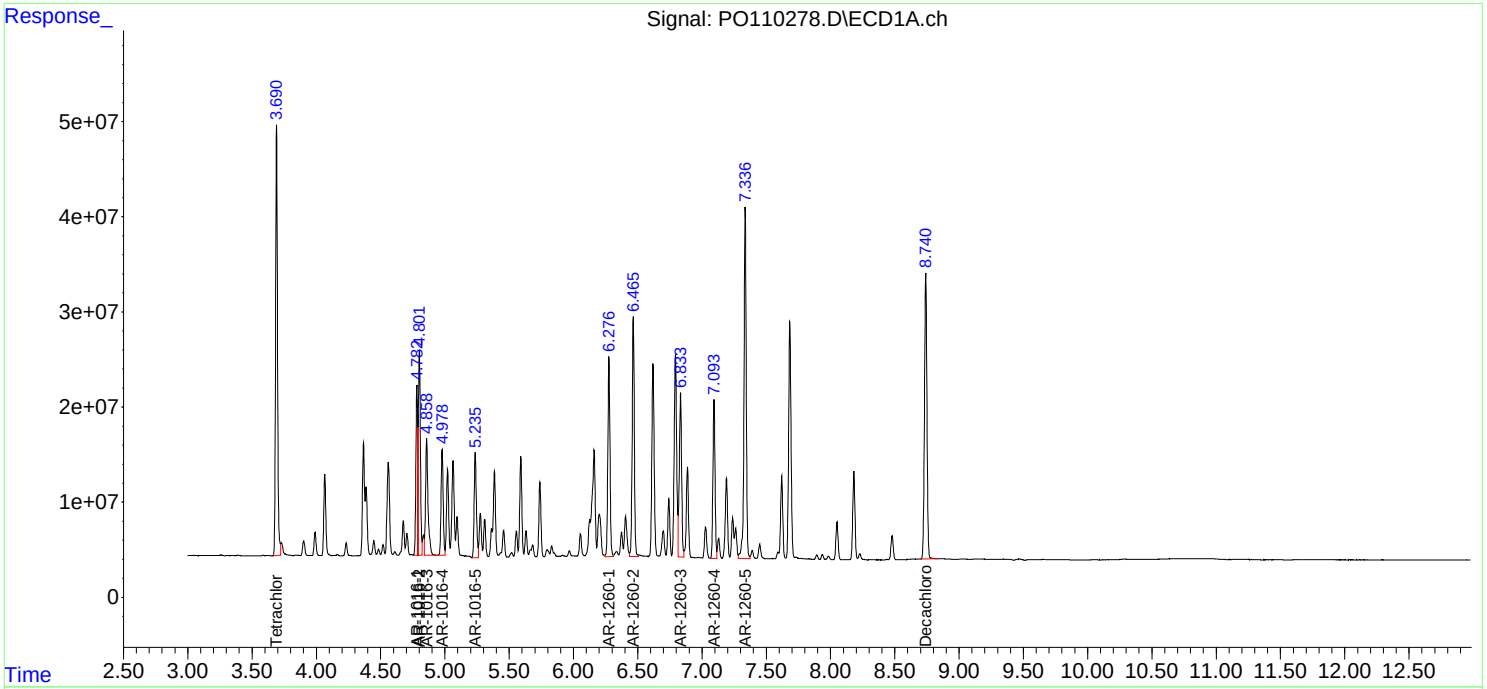
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

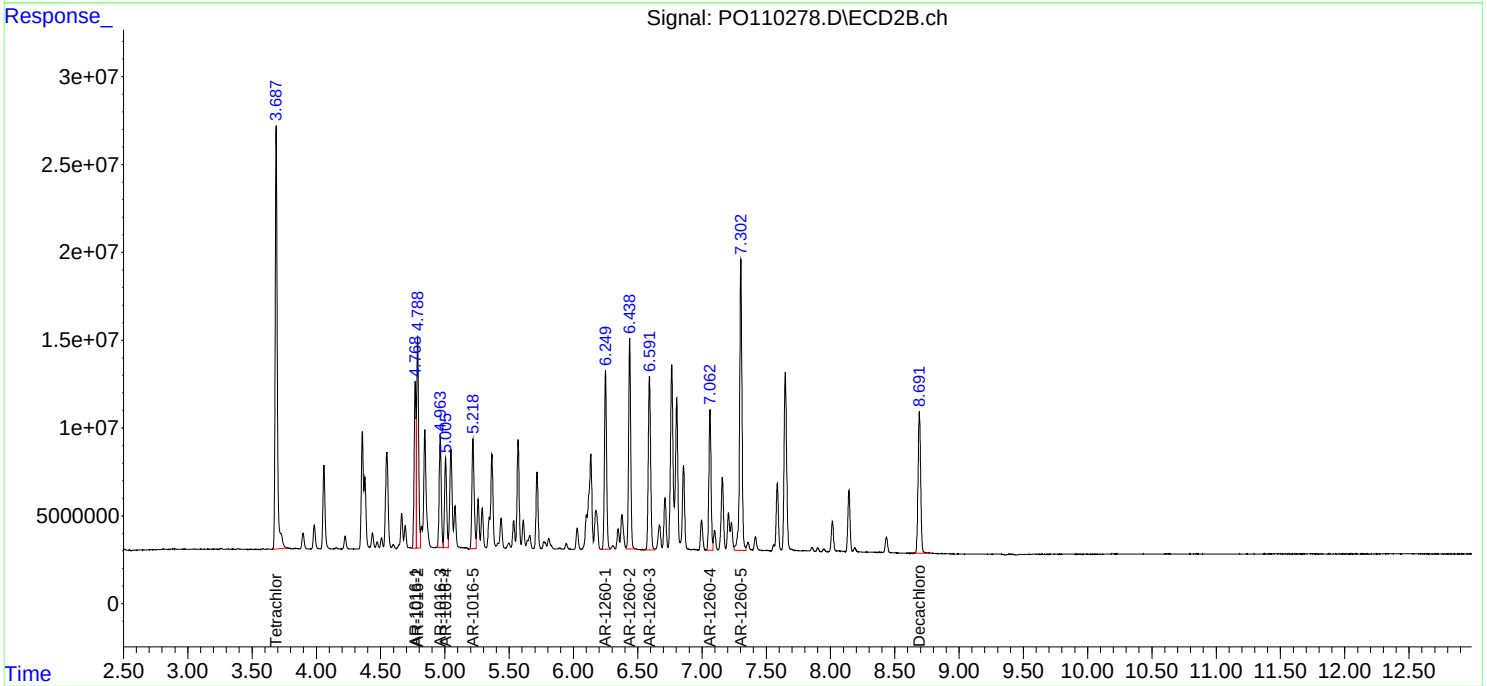
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 17:14
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

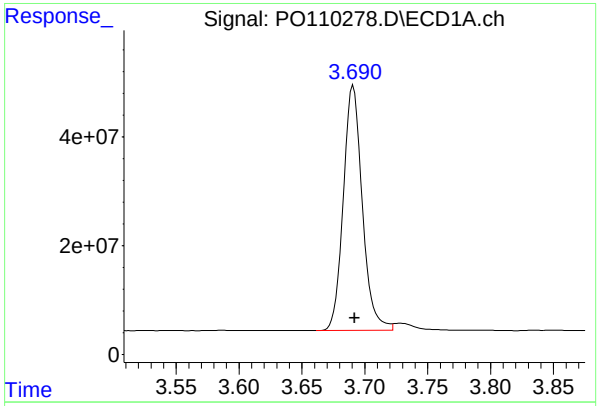
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 17:33:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



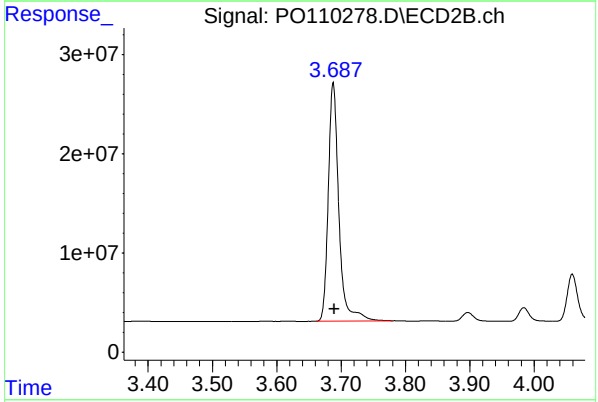






#1 Tetrachloro-m-xylene

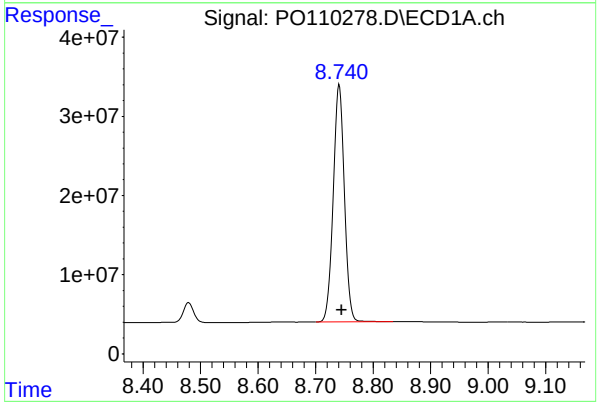
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 473883144
Conc: 52.07 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



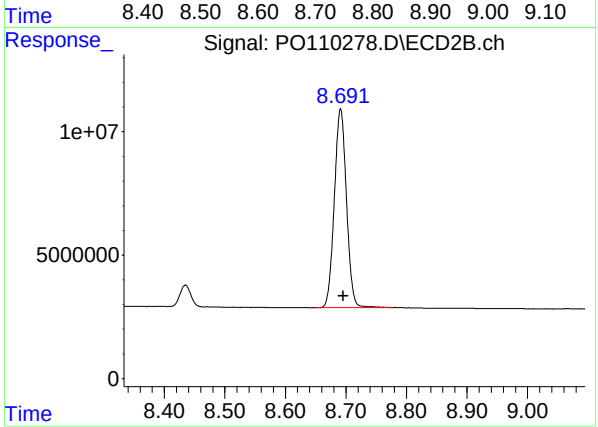

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 273908061
Conc: 52.23 ng/ml



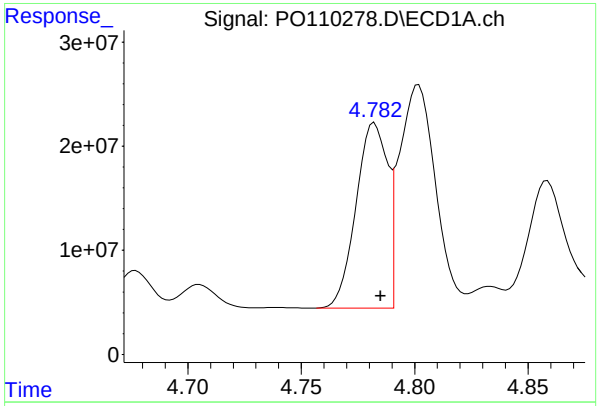

#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.004 min
Response: 403219619
Conc: 52.44 ng/ml




#2 Decachlorobiphenyl

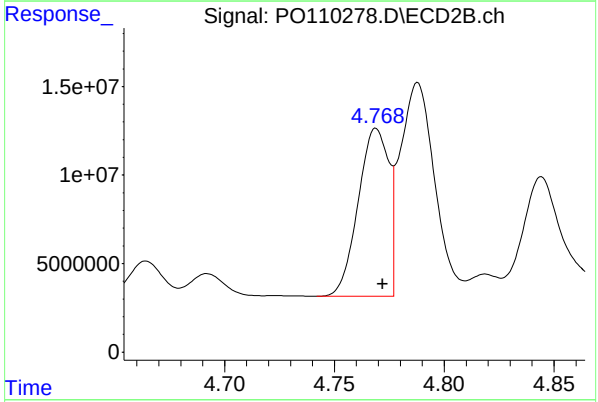
R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 112677778
Conc: 46.44 ng/ml




#3 AR-1016-1

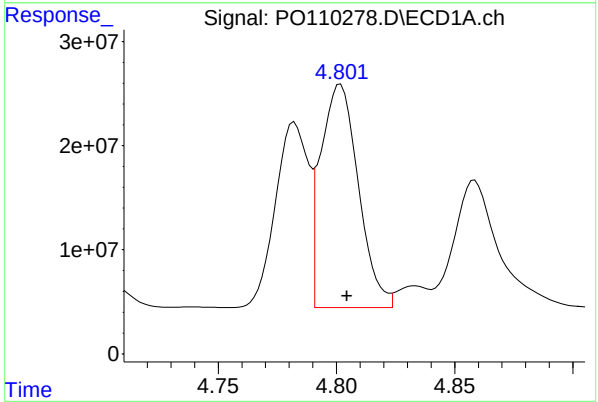
R.T.: 4.782 min
Delta R.T.: -0.003 mi
Response: 172277908
Conc: 511.90 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



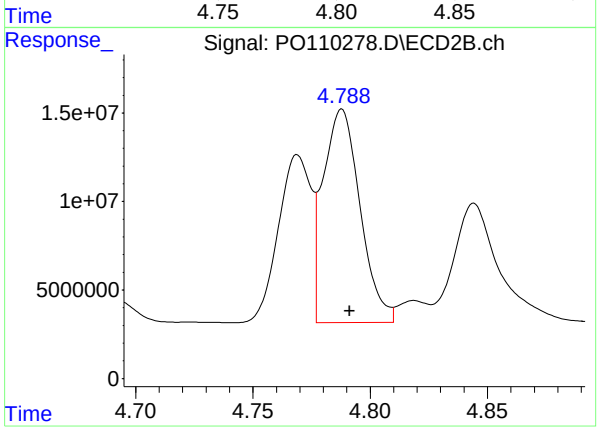

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 91853593
Conc: 501.23 ng/ml



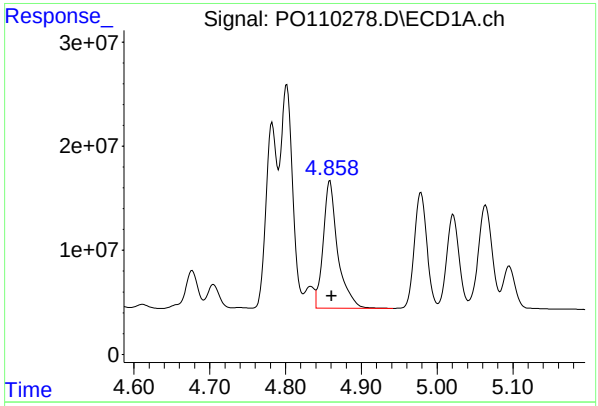

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 238239899
Conc: 513.80 ng/ml




#4 AR-1016-2

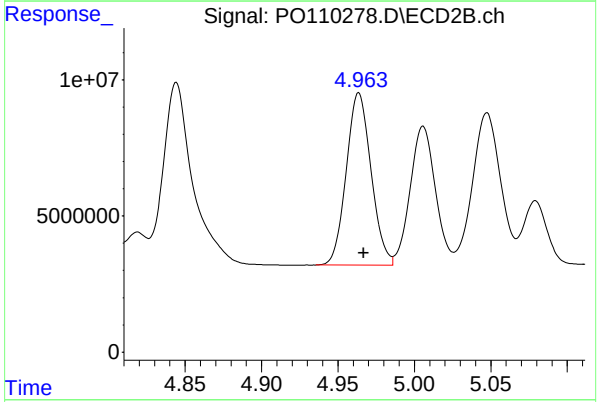
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 132313036
Conc: 505.97 ng/ml




#5 AR-1016-3

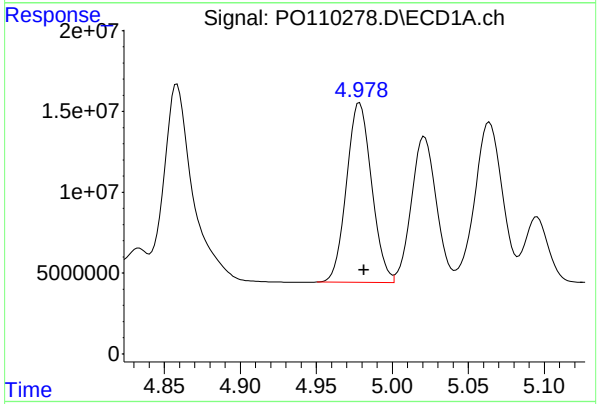
R.T.: 4.858 min
Delta R.T.: -0.002 min
Response: 164640078
Conc: 513.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



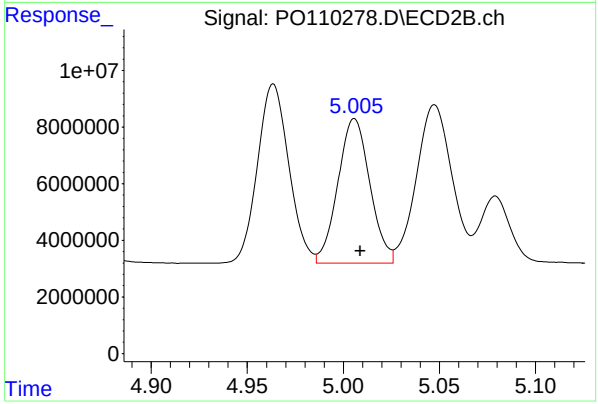

#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 71832300
Conc: 506.65 ng/ml



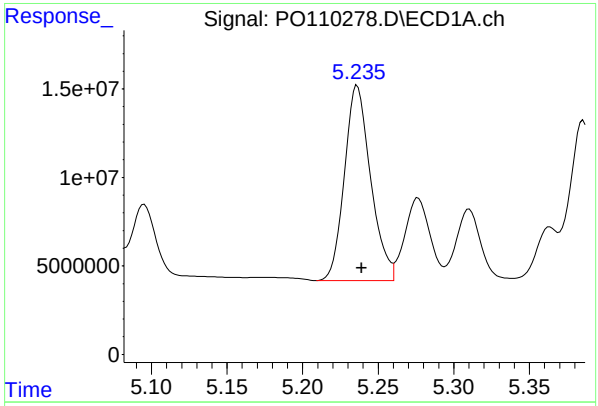

#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.003 min
Response: 127735566
Conc: 505.50 ng/ml




#6 AR-1016-4

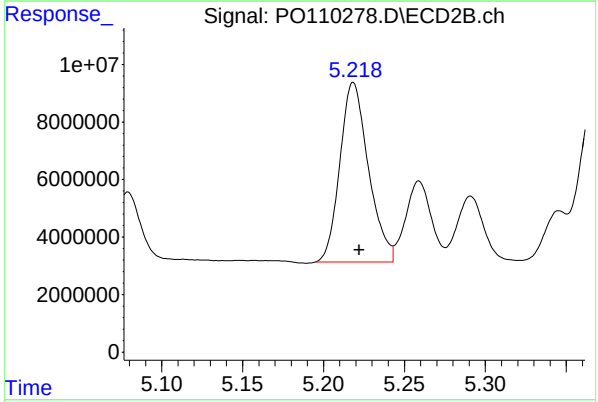
R.T.: 5.006 min
Delta R.T.: -0.003 min
Response: 59082308
Conc: 501.00 ng/ml




#7 AR-1016-5

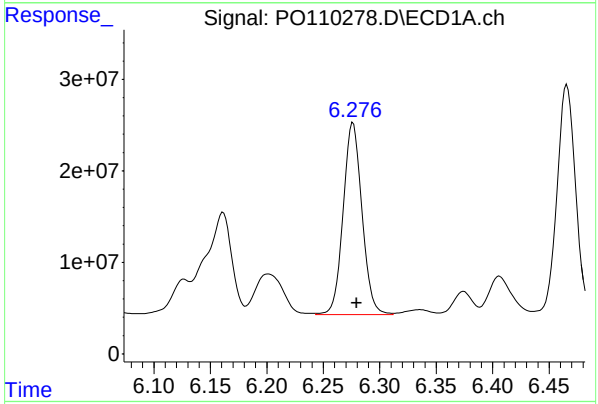
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 132928200
Conc: 483.61 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



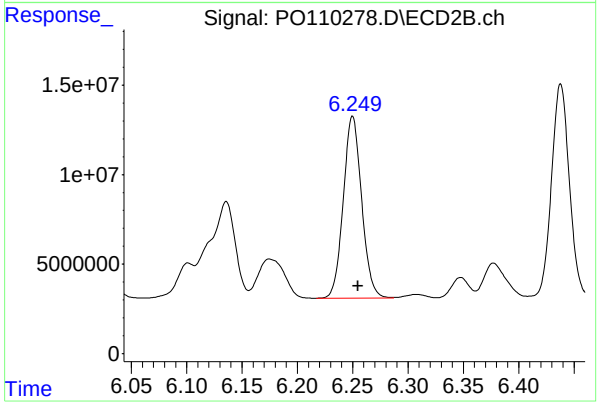

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 76567933
Conc: 500.71 ng/ml



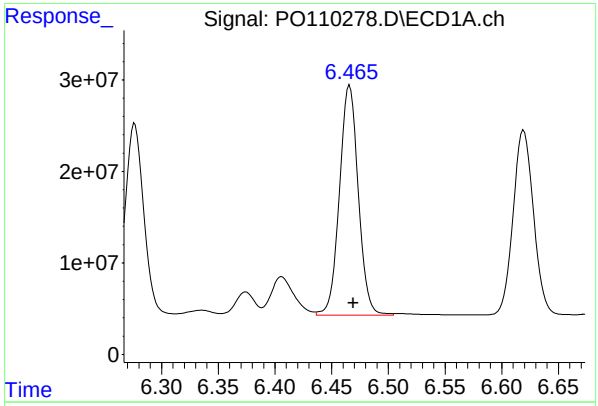

#31 AR-1260-1

R.T.: 6.276 min
Delta R.T.: -0.003 min
Response: 243675158
Conc: 516.97 ng/ml




#31 AR-1260-1

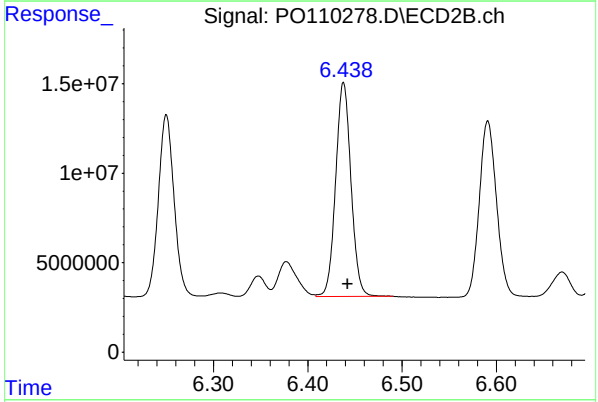
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 117438638
Conc: 459.75 ng/ml




#32 AR-1260-2

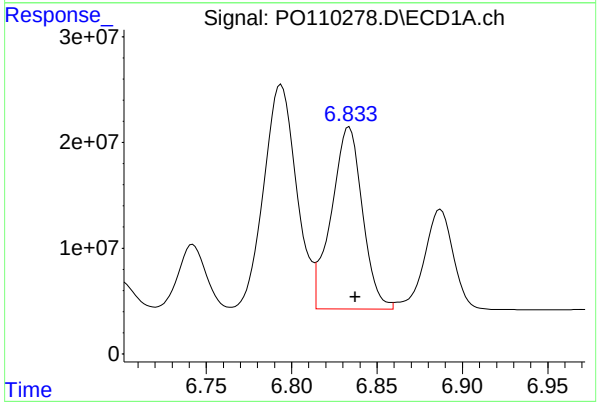
R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 289713640
Conc: 486.49 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



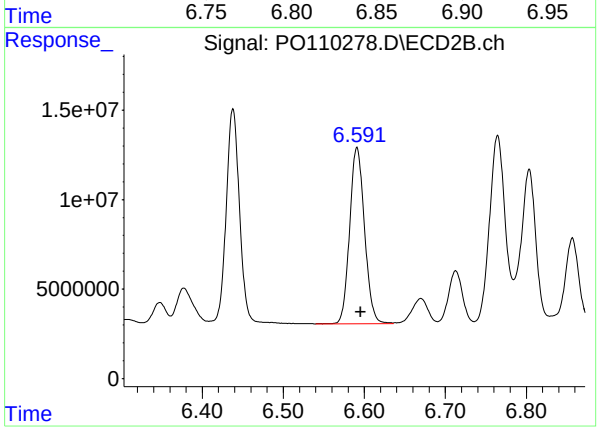

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 135195944
Conc: 450.22 ng/ml



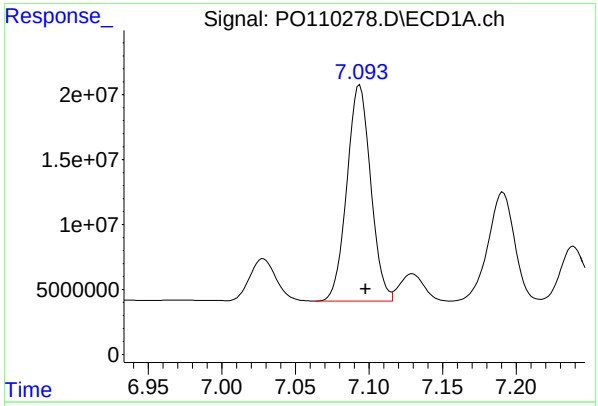

#33 AR-1260-3

R.T.: 6.834 min
Delta R.T.: -0.004 min
Response: 218764620
Conc: 450.78 ng/ml




#33 AR-1260-3

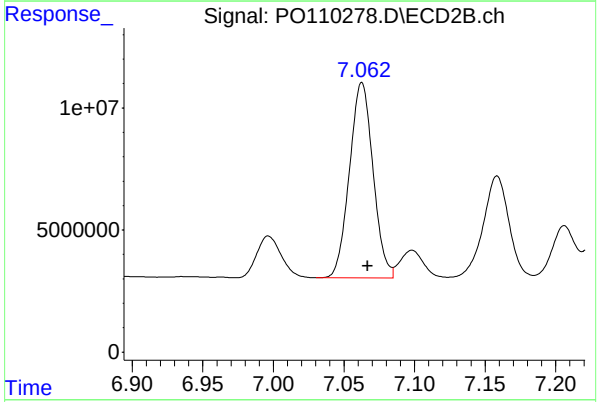
R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 125867255
Conc: 435.55 ng/ml




#34 AR-1260-4

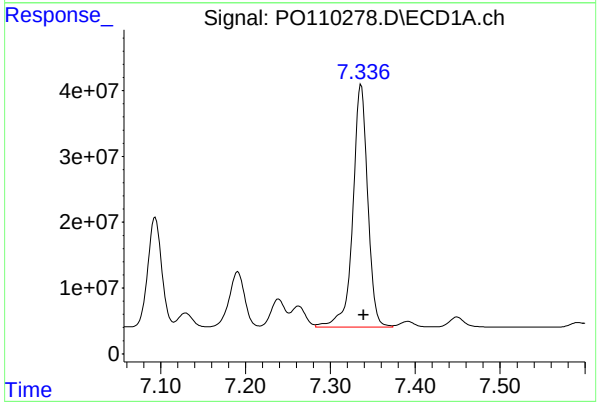
R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 187526171
Conc: 442.10 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



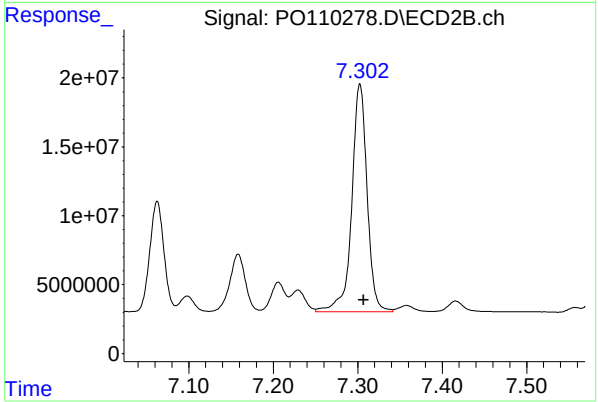

#34 AR-1260-4

R.T.: 7.063 min
Delta R.T.: -0.004 min
Response: 93074613
Conc: 432.75 ng/ml




#35 AR-1260-5

R.T.: 7.336 min
Delta R.T.: -0.003 min
Response: 449524286
Conc: 429.82 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 209028955
Conc: 419.15 ng/ml

Raw Data: **PO110286.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 21:27 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.78 | 4.79 | 4.69 | 4.89 | 0.01 |
| Aroclor-1016-2 | (2) | 4.80 | 4.80 | 4.70 | 4.90 | 0.00 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.88 | 5.08 | 0.00 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.18 | 6.38 | 0.00 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.83 | 6.84 | 6.74 | 6.94 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.24 | 7.44 | 0.00 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.74 | 8.75 | 8.65 | 8.85 | 0.01 |

Raw Data: **PO110286.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/07/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 21:27 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1016-3 | (3) | 4.96 | 4.97 | 4.87 | 5.07 | 0.01 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 4.91 | 5.11 | 0.00 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.12 | 5.32 | 0.00 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.16 | 6.36 | 0.01 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.34 | 6.54 | 0.00 |
| Aroclor-1260-3 | (3) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-4 | (4) | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.31 | 7.21 | 7.41 | 0.01 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.60 | 8.80 | 0.01 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110286.D **Time Analyzed:** 21:27

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.783 | 4.685 | 4.885 | 528.320 | 500.000 | 5.7 |
| Aroclor-1016-2 | 4.802 | 4.704 | 4.904 | 526.450 | 500.000 | 5.3 |
| Aroclor-1016-3 | 4.858 | 4.761 | 4.961 | 529.370 | 500.000 | 5.9 |
| Aroclor-1016-4 | 4.979 | 4.881 | 5.081 | 518.990 | 500.000 | 3.8 |
| Aroclor-1016-5 | 5.236 | 5.139 | 5.339 | 496.090 | 500.000 | -0.8 |
| Aroclor-1260-1 | 6.277 | 6.180 | 6.380 | 550.160 | 500.000 | 10.0 |
| Aroclor-1260-2 | 6.466 | 6.369 | 6.569 | 508.400 | 500.000 | 1.7 |
| Aroclor-1260-3 | 6.834 | 6.737 | 6.937 | 481.740 | 500.000 | -3.7 |
| Aroclor-1260-4 | 7.094 | 6.998 | 7.198 | 471.490 | 500.000 | -5.7 |
| Aroclor-1260-5 | 7.336 | 7.239 | 7.439 | 462.920 | 500.000 | -7.4 |
| Decachlorobiphenyl | 8.740 | 8.645 | 8.845 | 54.690 | 50.000 | 9.4 |
| Tetrachloro-m-xylene | 3.691 | 3.592 | 3.792 | 53.480 | 50.000 | 7.0 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL03 **Date Analyzed:** 04/07/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110286.D **Time Analyzed:** 21:27

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.769 | 4.672 | 4.872 | 512.420 | 500.000 | 2.5 |
| Aroclor-1016-2 | 4.788 | 4.691 | 4.891 | 514.070 | 500.000 | 2.8 |
| Aroclor-1016-3 | 4.964 | 4.867 | 5.067 | 515.160 | 500.000 | 3.0 |
| Aroclor-1016-4 | 5.006 | 4.909 | 5.109 | 469.250 | 500.000 | -6.2 |
| Aroclor-1016-5 | 5.218 | 5.122 | 5.322 | 514.370 | 500.000 | 2.9 |
| Aroclor-1260-1 | 6.251 | 6.155 | 6.355 | 483.370 | 500.000 | -3.3 |
| Aroclor-1260-2 | 6.439 | 6.342 | 6.542 | 477.180 | 500.000 | -4.6 |
| Aroclor-1260-3 | 6.591 | 6.495 | 6.695 | 462.160 | 500.000 | -7.6 |
| Aroclor-1260-4 | 7.063 | 6.967 | 7.167 | 461.970 | 500.000 | -7.6 |
| Aroclor-1260-5 | 7.303 | 7.207 | 7.407 | 444.510 | 500.000 | -11.1 |
| Decachlorobiphenyl | 8.691 | 8.596 | 8.796 | 48.770 | 50.000 | -2.5 |
| Tetrachloro-m-xylene | 3.688 | 3.590 | 3.790 | 53.150 | 50.000 | 6.3 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 486.8E6 | 278.7E6 | 53.484 | 53.152 |
| 2) | SA Decachlor... | 8.740 | 8.691 | 420.5E6 | 118.3E6 | 54.690 | 48.766 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.783 | 4.769 | 177.8E6 | 93902896 | 528.316 | 512.417 |
| 4) | L1 AR-1016-2 | 4.802 | 4.788 | 244.1E6 | 134.4E6 | 526.454 | 514.067 |
| 5) | L1 AR-1016-3 | 4.858 | 4.964 | 169.7E6 | 73038464 | 529.369 | 515.158 |
| 6) | L1 AR-1016-4 | 4.979 | 5.006 | 131.1E6 | 55338718 | 518.987 | 469.252 |
| 7) | L1 AR-1016-5 | 5.236 | 5.218 | 136.4E6 | 78657229 | 496.086m | 514.373m |
| 31) | L7 AR-1260-1 | 6.277 | 6.251 | 259.3E6 | 123.5E6 | 550.162 | 483.373 |
| 32) | L7 AR-1260-2 | 6.466 | 6.439 | 302.8E6 | 143.3E6 | 508.402 | 477.179 |
| 33) | L7 AR-1260-3 | 6.834 | 6.591 | 233.8E6 | 133.6E6 | 481.744 | 462.164 |
| 34) | L7 AR-1260-4 | 7.094 | 7.063 | 200.0E6 | 99360275 | 471.486 | 461.972 |
| 35) | L7 AR-1260-5 | 7.336 | 7.303 | 484.1E6 | 221.7E6 | 462.918 | 444.506 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

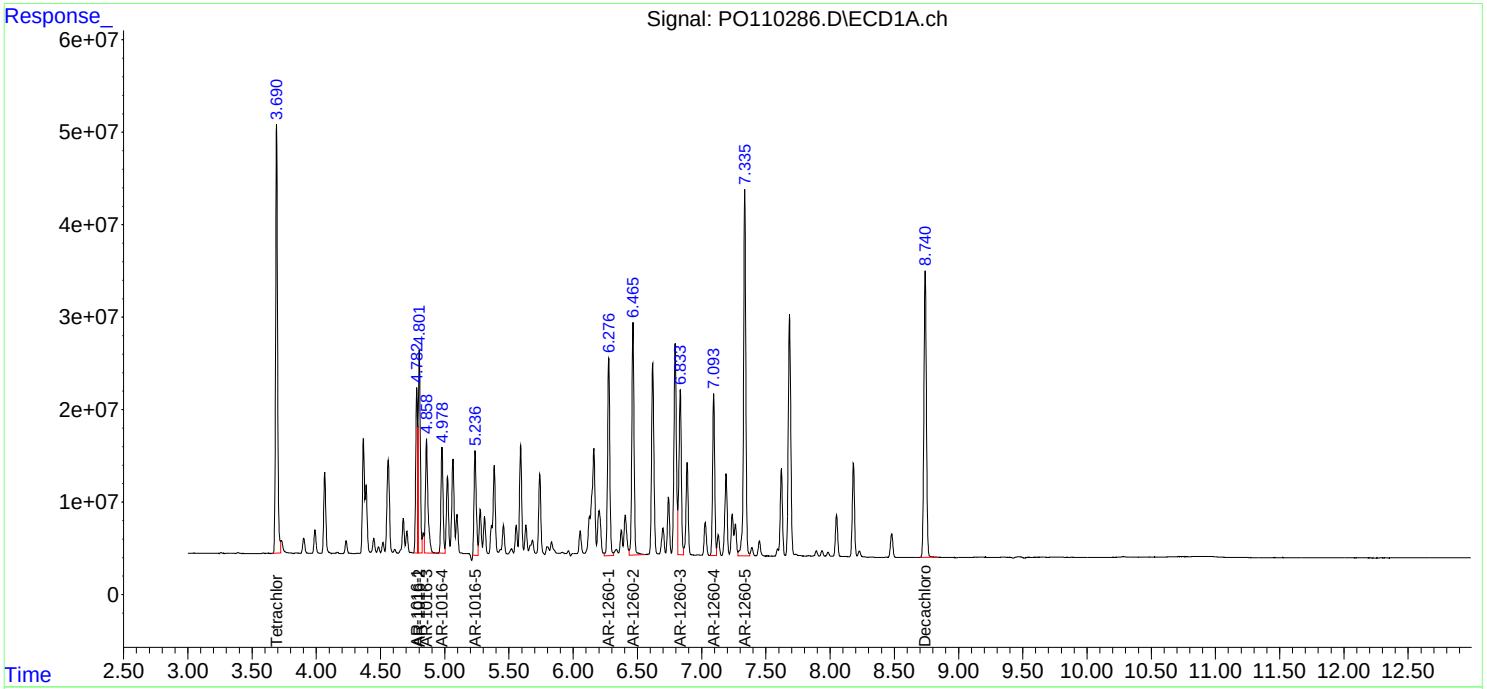
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

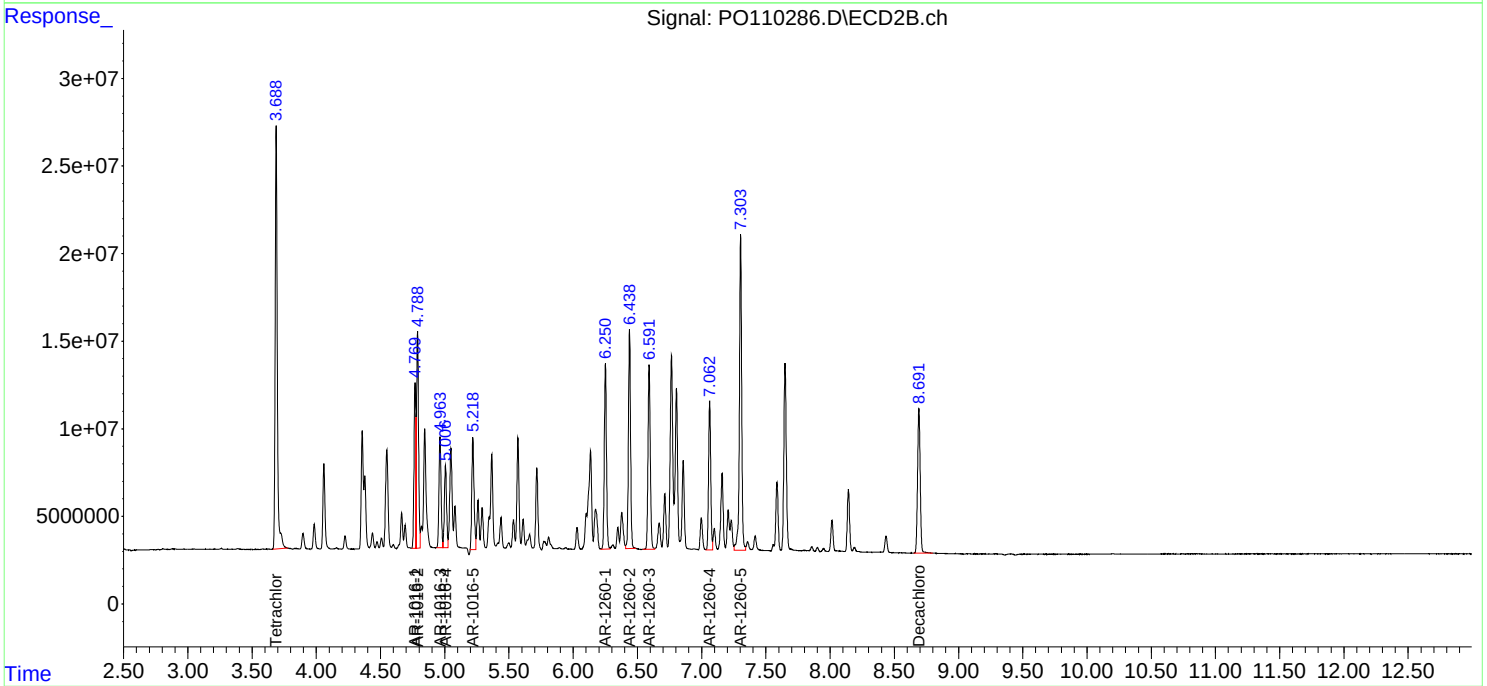
**Manual Integrations APPROVED**

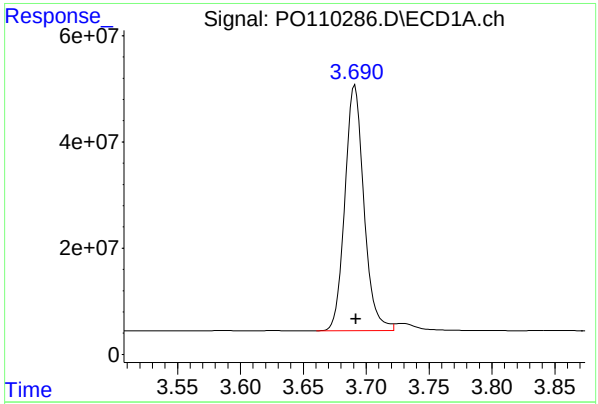
Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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





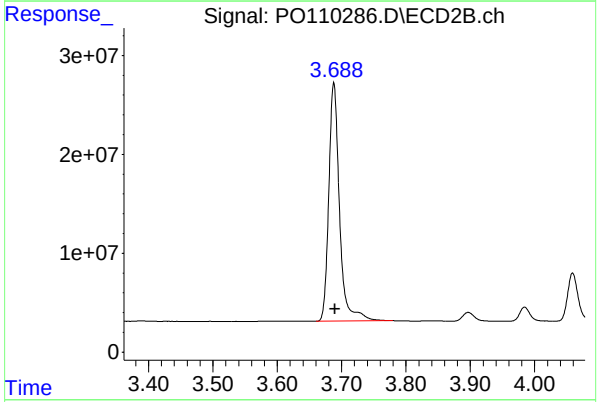

#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 486781502
Conc: 53.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

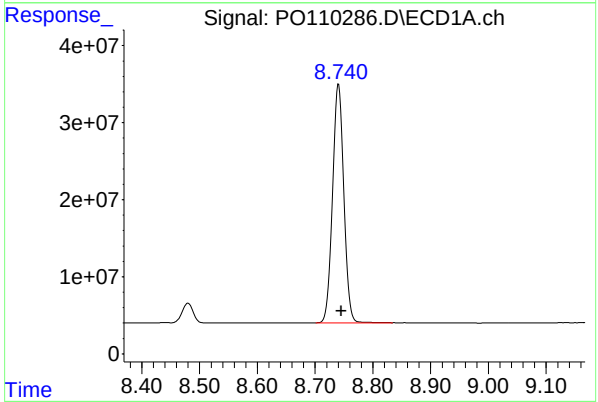
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



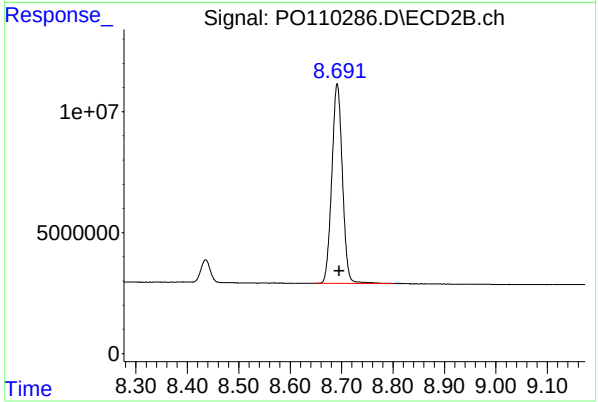

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 278731990
Conc: 53.15 ng/ml



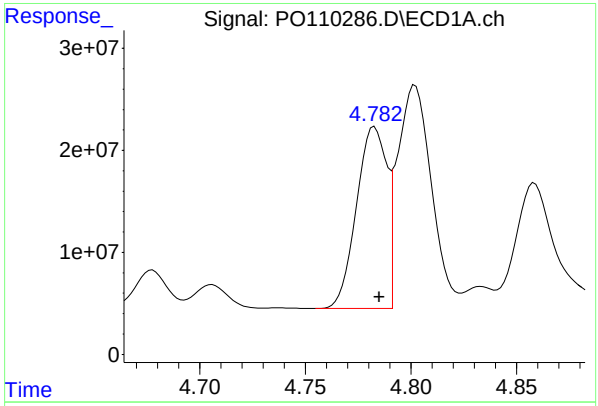

#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 420491355
Conc: 54.69 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 118311884
Conc: 48.77 ng/ml



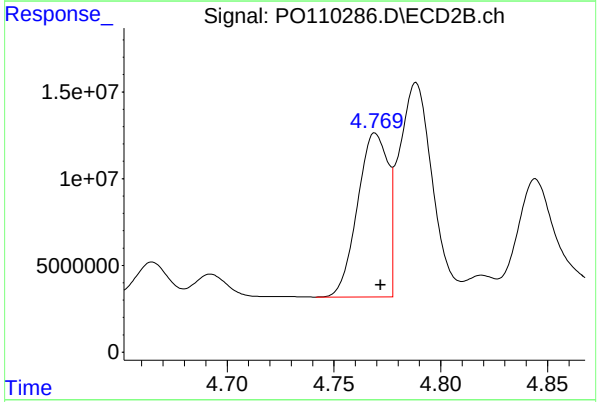

#3 AR-1016-1

R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 177801623
Conc: 528.32 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

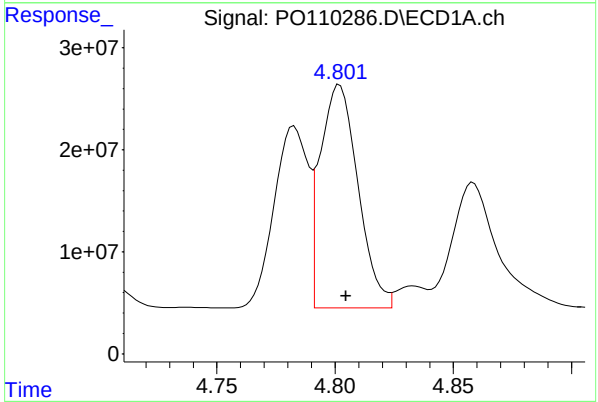
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



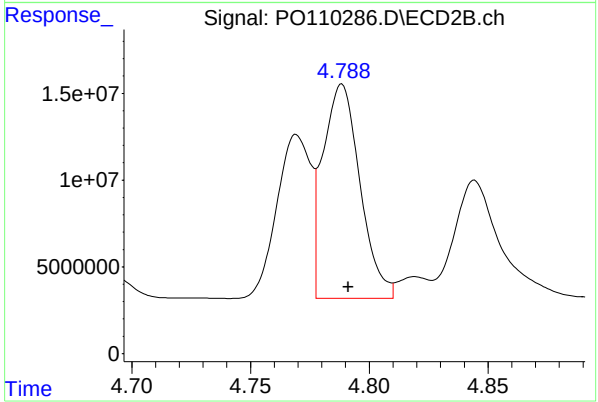

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 93902896
Conc: 512.42 ng/ml



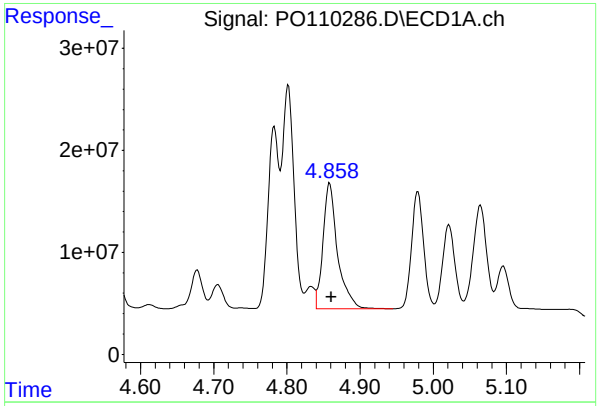

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 244109403
Conc: 526.45 ng/ml




#4 AR-1016-2

R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 134430740
Conc: 514.07 ng/ml



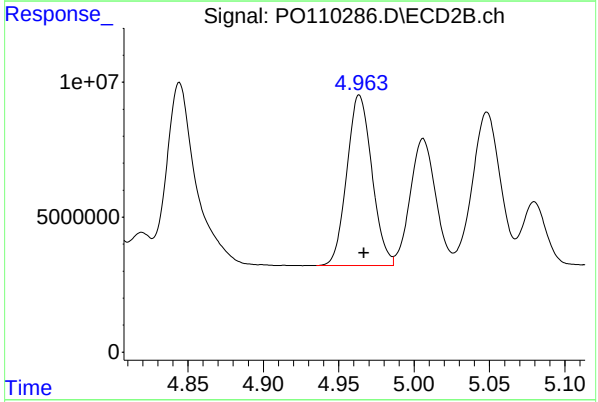

#5 AR-1016-3

R.T.: 4.858 min
Delta R.T.: -0.002 min
Response: 169708224
Conc: 529.37 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

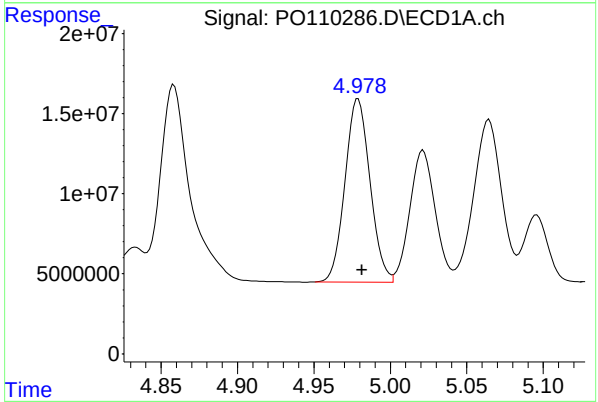
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



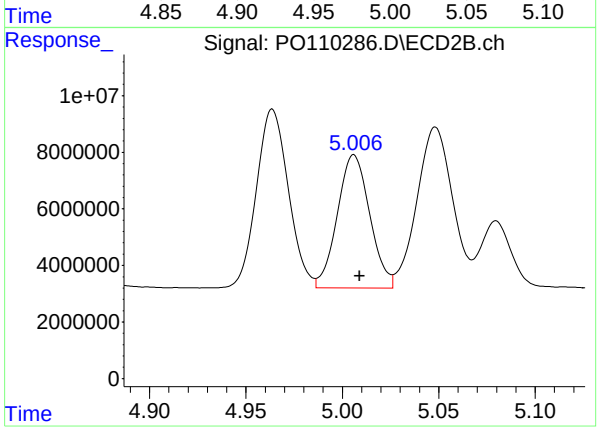

#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 73038464
Conc: 515.16 ng/ml



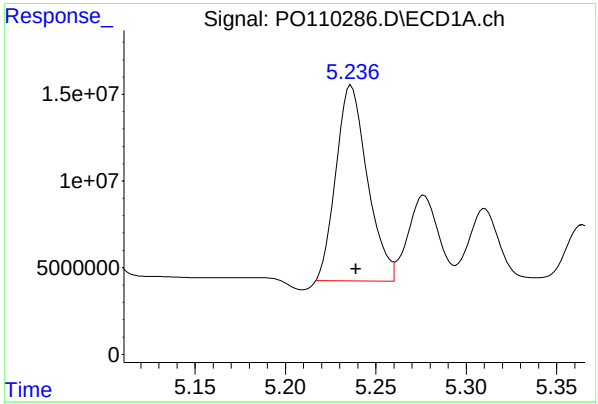

#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 131142472
Conc: 518.99 ng/ml




#6 AR-1016-4

R.T.: 5.006 min
Delta R.T.: -0.003 min
Response: 55338718
Conc: 469.25 ng/ml



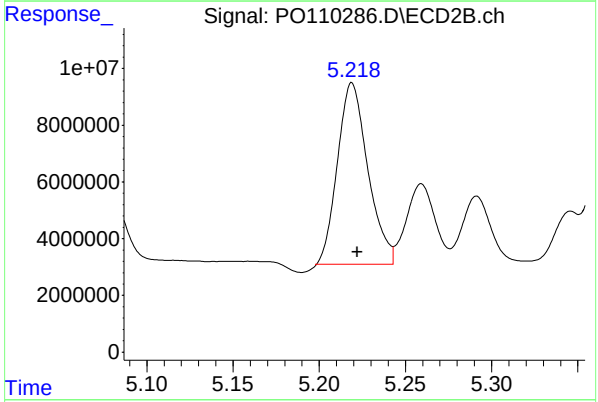

#7 AR-1016-5

R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 136357657
Conc: 496.09 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

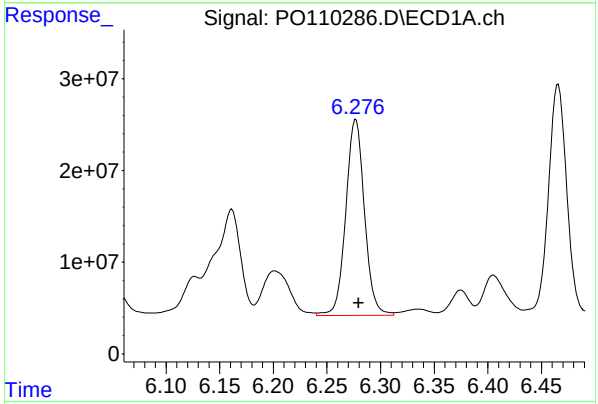
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



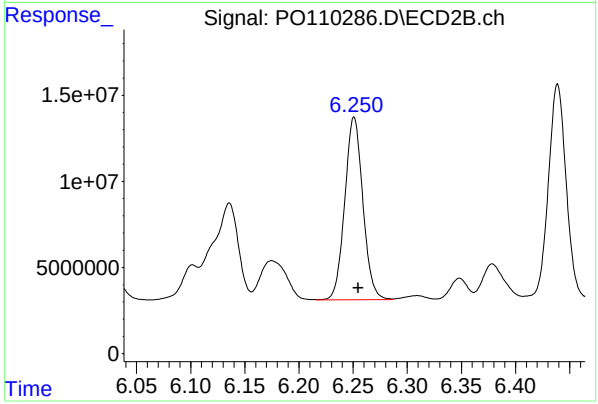

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 78657229
Conc: 514.37 ng/ml m



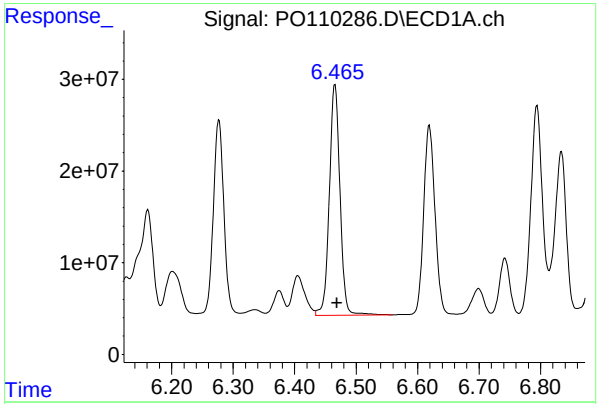

#31 AR-1260-1

R.T.: 6.277 min
Delta R.T.: -0.003 min
Response: 259319565
Conc: 550.16 ng/ml




#31 AR-1260-1

R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 123473695
Conc: 483.37 ng/ml



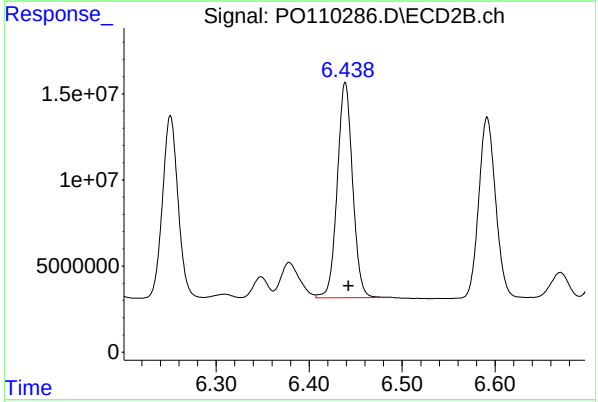

#32 AR-1260-2

R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 302763163
Conc: 508.40 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

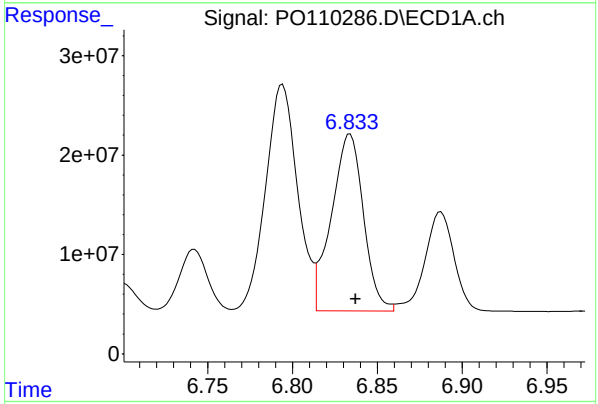
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



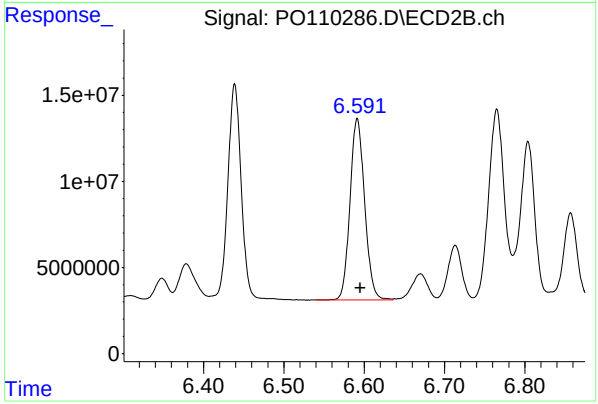

#32 AR-1260-2

R.T.: 6.439 min
Delta R.T.: -0.004 min
Response: 143289838
Conc: 477.18 ng/ml



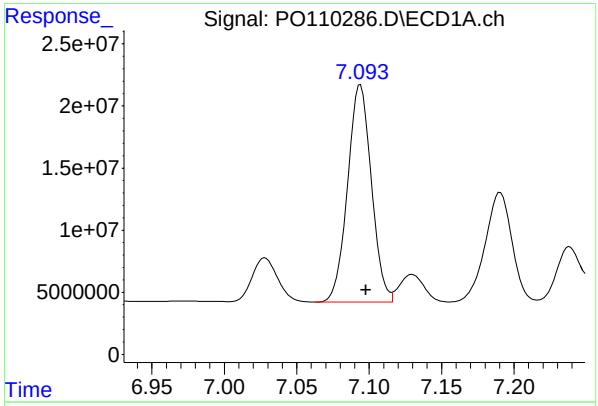

#33 AR-1260-3

R.T.: 6.834 min
Delta R.T.: -0.003 min
Response: 233791087
Conc: 481.74 ng/ml




#33 AR-1260-3

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 133557256
Conc: 462.16 ng/ml



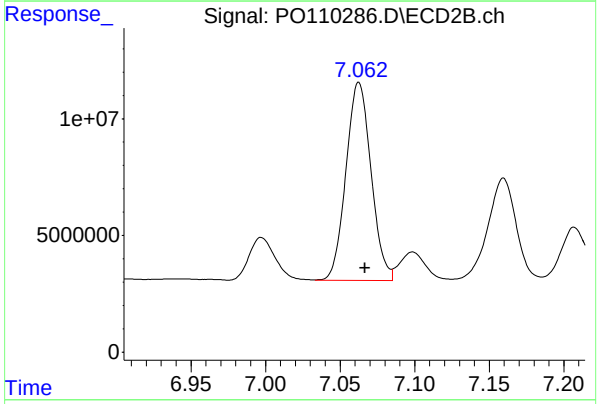

#34 AR-1260-4

R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 199989246
Conc: 471.49 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

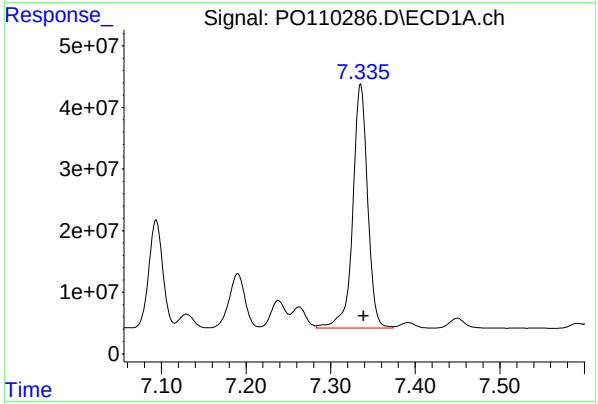
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 04/08/2025
Supervised By :mohammad ahmed 04/09/2025



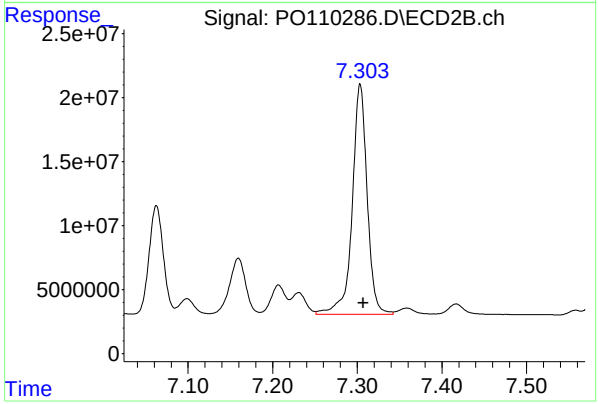

#34 AR-1260-4

R.T.: 7.063 min
Delta R.T.: -0.004 min
Response: 99360275
Conc: 461.97 ng/ml




#35 AR-1260-5

R.T.: 7.336 min
Delta R.T.: -0.004 min
Response: 484140405
Conc: 462.92 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 221673295
Conc: 444.51 ng/ml

Raw Data: **PO110292.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 09:08 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.78 | 4.79 | 4.69 | 4.89 | 0.01 |
| Aroclor-1016-2 | (2) | 4.80 | 4.80 | 4.70 | 4.90 | 0.00 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.88 | 5.08 | 0.00 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.18 | 6.38 | 0.00 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.83 | 6.84 | 6.74 | 6.94 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.24 | 7.44 | 0.00 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.74 | 8.75 | 8.65 | 8.85 | 0.01 |

Raw Data: **PO110292.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 09:08 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1016-3 | (3) | 4.96 | 4.97 | 4.87 | 5.07 | 0.01 |
| Aroclor-1016-4 | (4) | 5.00 | 5.01 | 4.91 | 5.11 | 0.01 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.12 | 5.32 | 0.00 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.16 | 6.36 | 0.01 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.34 | 6.54 | 0.00 |
| Aroclor-1260-3 | (3) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-4 | (4) | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.31 | 7.21 | 7.41 | 0.01 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.60 | 8.80 | 0.01 |

Raw Data: **PO110292.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110292.D **Time Analyzed:** 09:08

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.783 | 4.685 | 4.885 | 490.750 | 500.000 | -1.9 |
| Aroclor-1016-2 | 4.802 | 4.704 | 4.904 | 490.770 | 500.000 | -1.8 |
| Aroclor-1016-3 | 4.858 | 4.761 | 4.961 | 494.230 | 500.000 | -1.2 |
| Aroclor-1016-4 | 4.979 | 4.881 | 5.081 | 493.910 | 500.000 | -1.2 |
| Aroclor-1016-5 | 5.236 | 5.139 | 5.339 | 541.310 | 500.000 | 8.3 |
| Aroclor-1260-1 | 6.277 | 6.180 | 6.380 | 505.880 | 500.000 | 1.2 |
| Aroclor-1260-2 | 6.467 | 6.369 | 6.569 | 476.430 | 500.000 | -4.7 |
| Aroclor-1260-3 | 6.834 | 6.737 | 6.937 | 473.120 | 500.000 | -5.4 |
| Aroclor-1260-4 | 7.094 | 6.998 | 7.198 | 466.380 | 500.000 | -6.7 |
| Aroclor-1260-5 | 7.337 | 7.239 | 7.439 | 469.070 | 500.000 | -6.2 |
| Decachlorobiphenyl | 8.742 | 8.645 | 8.845 | 53.700 | 50.000 | 7.4 |
| Tetrachloro-m-xylene | 3.690 | 3.592 | 3.792 | 48.950 | 50.000 | -2.1 |

Raw Data: **PO110292.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL04 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110292.D **Time Analyzed:** 09:08

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.768 | 4.672 | 4.872 | 460.700 | 500.000 | -7.9 |
| Aroclor-1016-2 | 4.787 | 4.691 | 4.891 | 458.320 | 500.000 | -8.3 |
| Aroclor-1016-3 | 4.963 | 4.867 | 5.067 | 460.180 | 500.000 | -8.0 |
| Aroclor-1016-4 | 5.004 | 4.909 | 5.109 | 424.320 | 500.000 | -15.1 |
| Aroclor-1016-5 | 5.218 | 5.122 | 5.322 | 488.430 | 500.000 | -2.3 |
| Aroclor-1260-1 | 6.250 | 6.155 | 6.355 | 451.100 | 500.000 | -9.8 |
| Aroclor-1260-2 | 6.438 | 6.342 | 6.542 | 446.060 | 500.000 | -10.8 |
| Aroclor-1260-3 | 6.590 | 6.495 | 6.695 | 427.140 | 500.000 | -14.6 |
| Aroclor-1260-4 | 7.062 | 6.967 | 7.167 | 425.210 | 500.000 | -15.0 |
| Aroclor-1260-5 | 7.303 | 7.207 | 7.407 | 416.030 | 500.000 | -16.8 |
| Decachlorobiphenyl | 8.691 | 8.596 | 8.796 | 44.590 | 50.000 | -10.8 |
| Tetrachloro-m-xylene | 3.687 | 3.590 | 3.790 | 47.020 | 50.000 | -6.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:08
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 445.6E6 | 246.6E6 | 48.954 | 47.018 |
| 2) | SA Decachlor... | 8.742 | 8.691 | 412.9E6 | 108.2E6 | 53.697 | 44.591 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.783 | 4.768 | 165.2E6 | 84424795 | 490.747 | 460.696 |
| 4) | L1 AR-1016-2 | 4.802 | 4.787 | 227.6E6 | 119.9E6 | 490.775 | 458.320 |
| 5) | L1 AR-1016-3 | 4.858 | 4.963 | 158.4E6 | 65243266 | 494.235 | 460.177 |
| 6) | L1 AR-1016-4 | 4.979 | 5.004 | 124.8E6 | 50039864 | 493.910 | 424.319 |
| 7) | L1 AR-1016-5 | 5.236 | 5.218 | 148.8E6 | 74690506 | 541.314 | 488.433 |
| 31) | L7 AR-1260-1 | 6.277 | 6.250 | 238.4E6 | 115.2E6 | 505.880 | 451.099 |
| 32) | L7 AR-1260-2 | 6.467 | 6.438 | 283.7E6 | 133.9E6 | 476.430 | 446.059 |
| 33) | L7 AR-1260-3 | 6.834 | 6.590 | 229.6E6 | 123.4E6 | 473.116 | 427.141 |
| 34) | L7 AR-1260-4 | 7.094 | 7.062 | 197.8E6 | 91454142 | 466.378 | 425.213 |
| 35) | L7 AR-1260-5 | 7.337 | 7.303 | 490.6E6 | 207.5E6 | 469.072 | 416.025 |

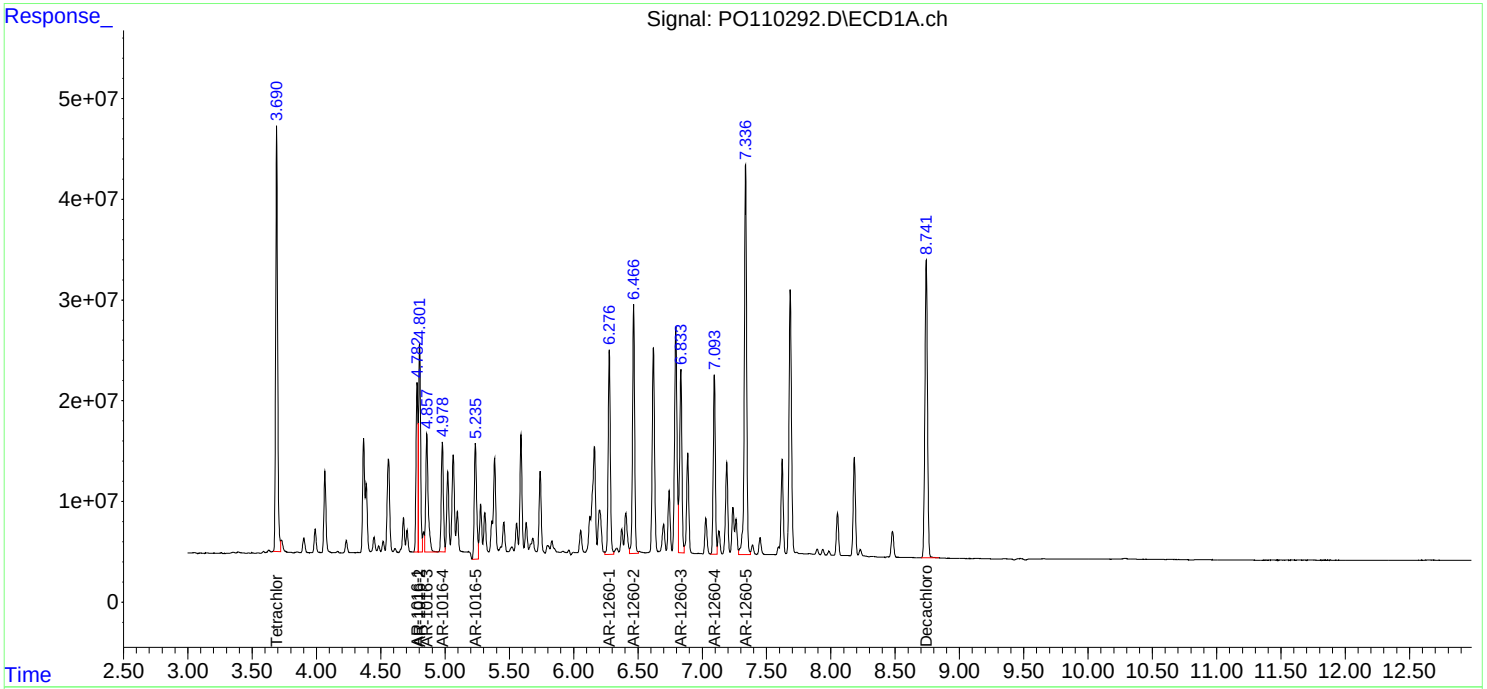
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

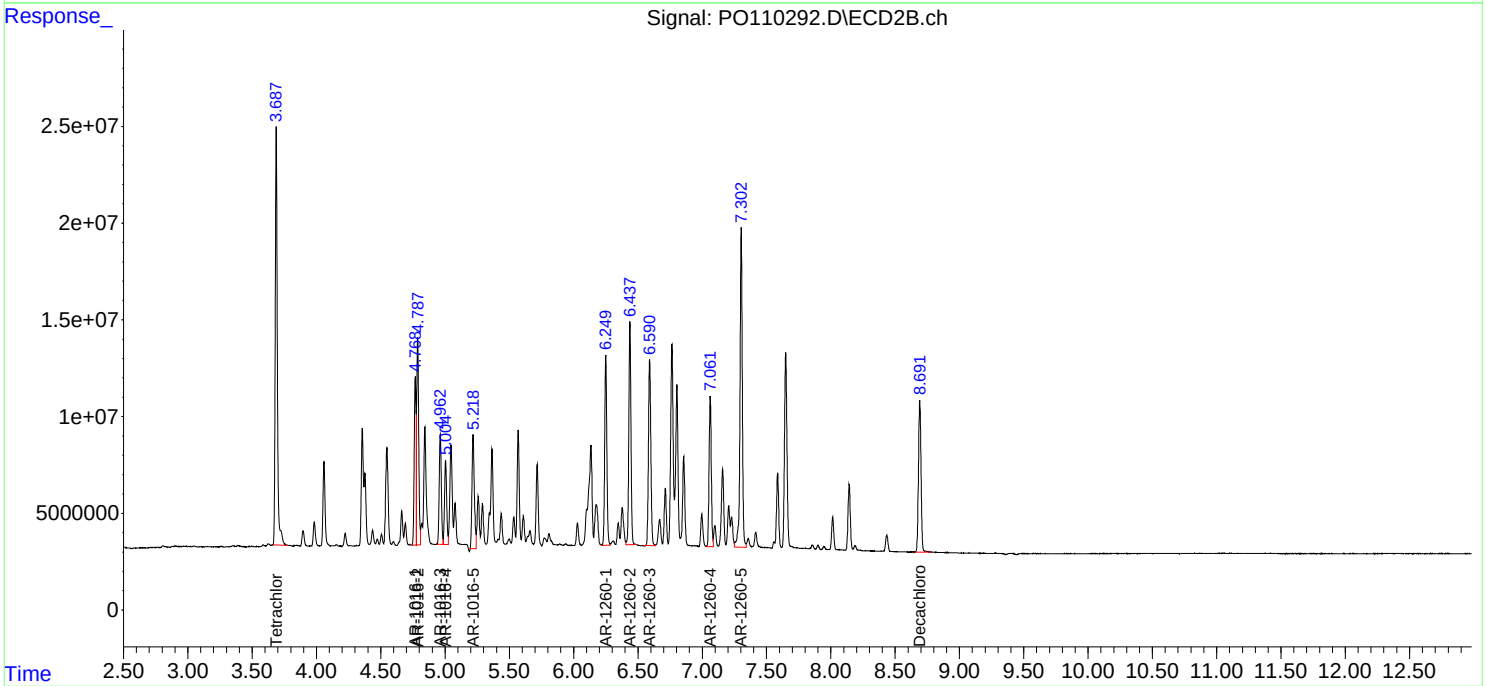
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:08
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

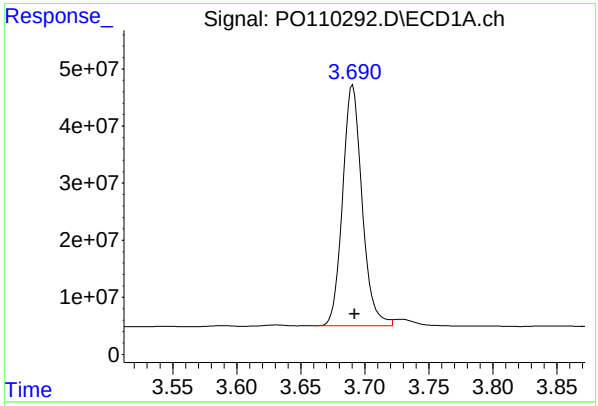
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



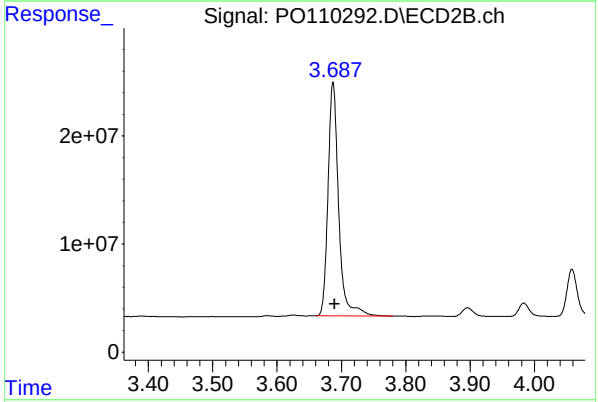






#1 Tetrachloro-m-xylene

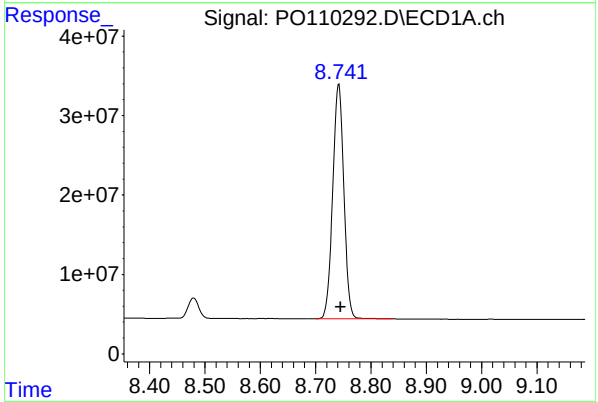
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 445550594
Conc: 48.95 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



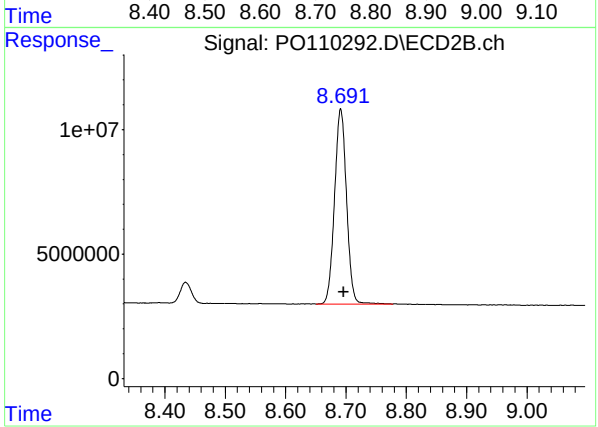

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 246565424
Conc: 47.02 ng/ml



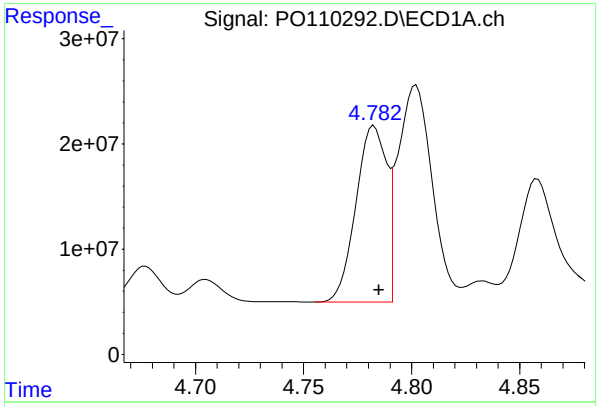

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.004 min
Response: 412860287
Conc: 53.70 ng/ml




#2 Decachlorobiphenyl

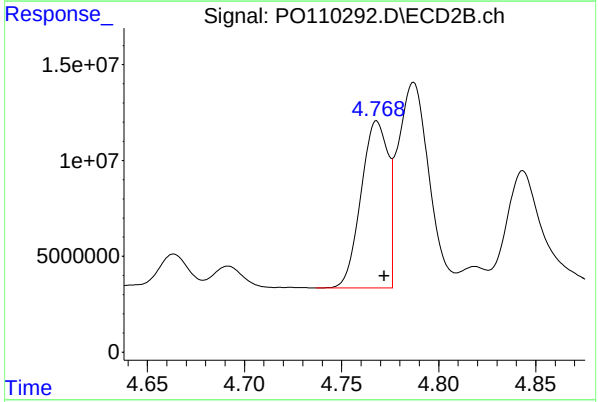
R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 108181543
Conc: 44.59 ng/ml




#3 AR-1016-1

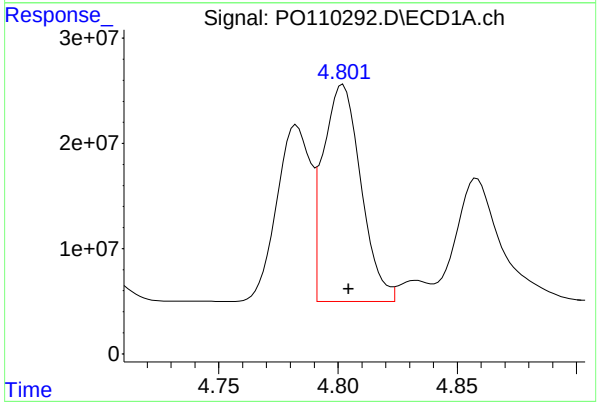
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 165158163
Conc: 490.75 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



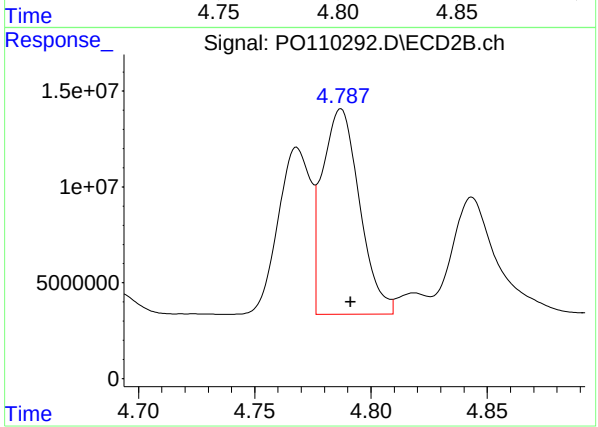

#3 AR-1016-1

R.T.: 4.768 min
Delta R.T.: -0.004 min
Response: 84424795
Conc: 460.70 ng/ml



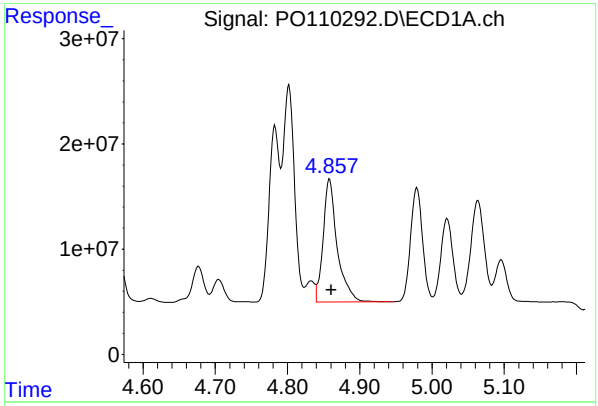

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.002 min
Response: 227565206
Conc: 490.77 ng/ml




#4 AR-1016-2

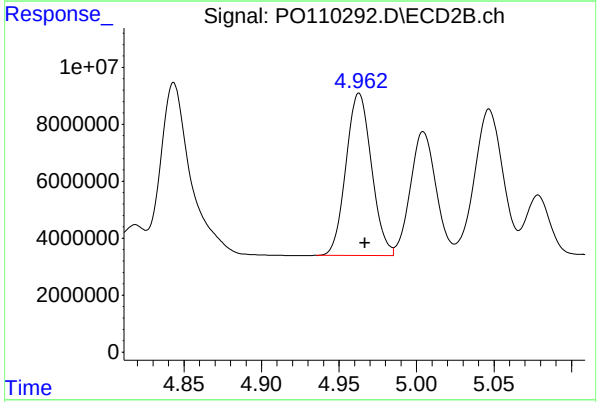
R.T.: 4.787 min
Delta R.T.: -0.004 min
Response: 119852669
Conc: 458.32 ng/ml




#5 AR-1016-3

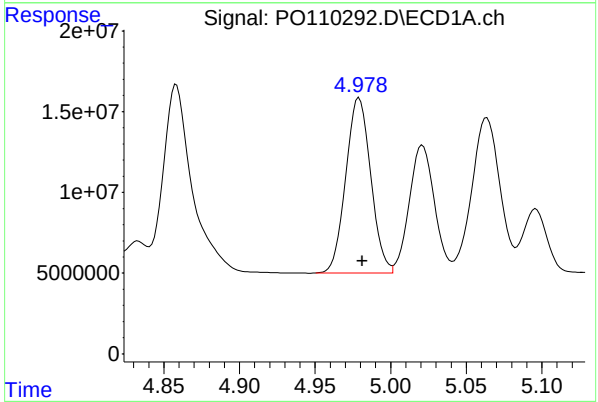
R.T.: 4.858 min
Delta R.T.: -0.003 min
Response: 158444813
Conc: 494.23 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



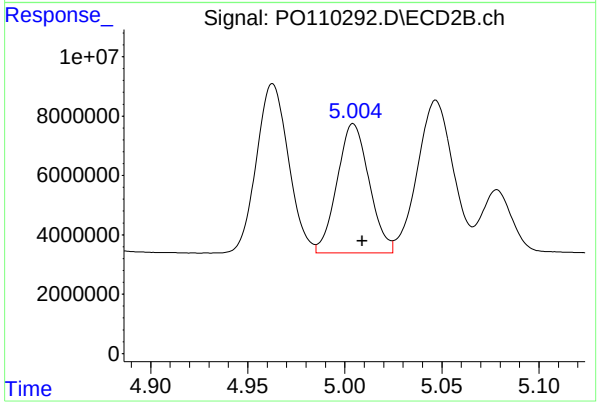

#5 AR-1016-3

R.T.: 4.963 min
Delta R.T.: -0.004 min
Response: 65243266
Conc: 460.18 ng/ml



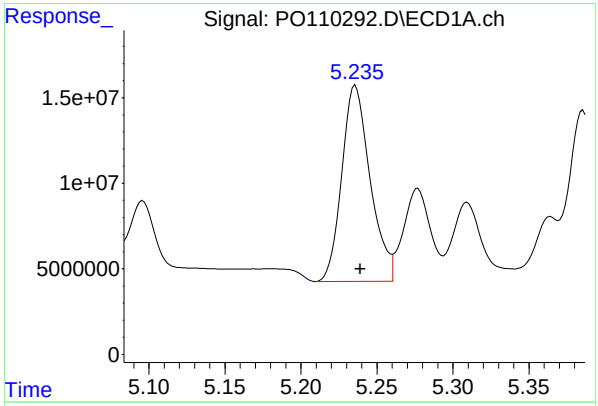

#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 124805818
Conc: 493.91 ng/ml




#6 AR-1016-4

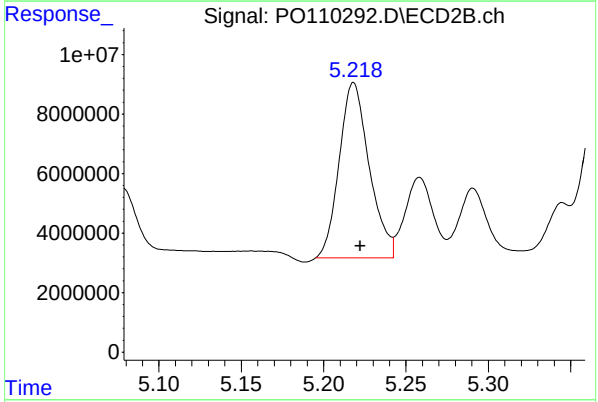
R.T.: 5.004 min
Delta R.T.: -0.004 min
Response: 50039864
Conc: 424.32 ng/ml




#7 AR-1016-5

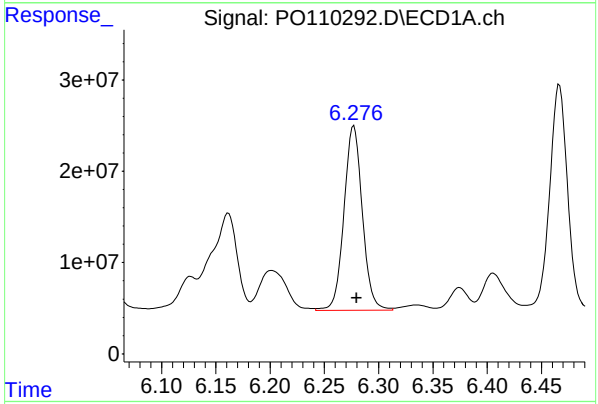
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 148789423
Conc: 541.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



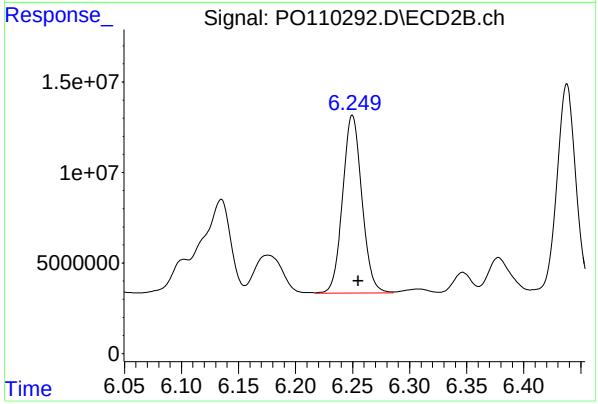

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 74690506
Conc: 488.43 ng/ml



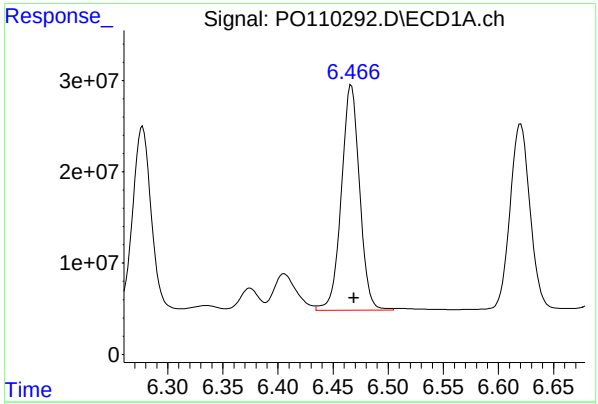

#31 AR-1260-1

R.T.: 6.277 min
Delta R.T.: -0.003 min
Response: 238446806
Conc: 505.88 ng/ml




#31 AR-1260-1

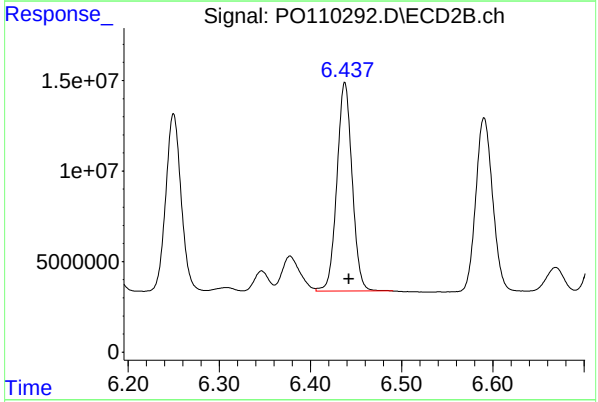
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 115229432
Conc: 451.10 ng/ml




#32 AR-1260-2

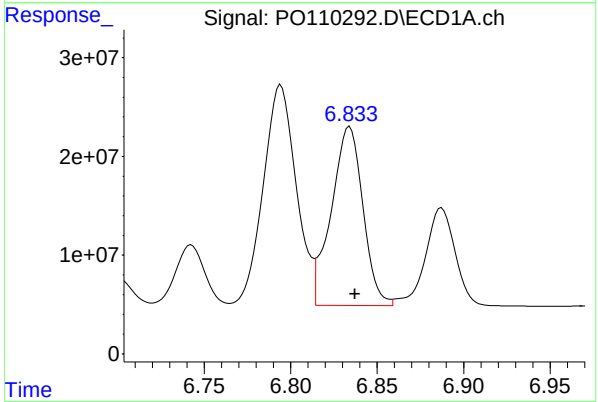
R.T.: 6.467 min
Delta R.T.: -0.002 min
Response: 283723218
Conc: 476.43 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



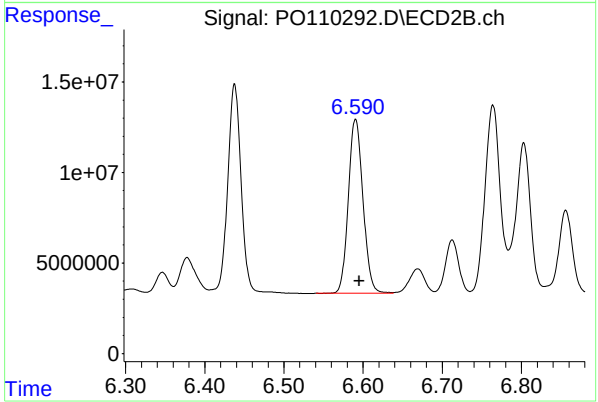

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 133944941
Conc: 446.06 ng/ml



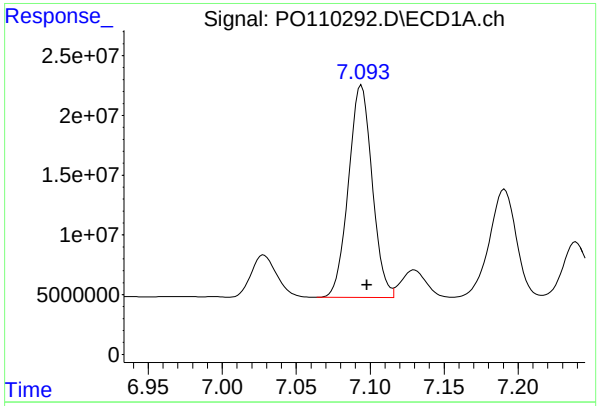

#33 AR-1260-3

R.T.: 6.834 min
Delta R.T.: -0.003 min
Response: 229604002
Conc: 473.12 ng/ml




#33 AR-1260-3

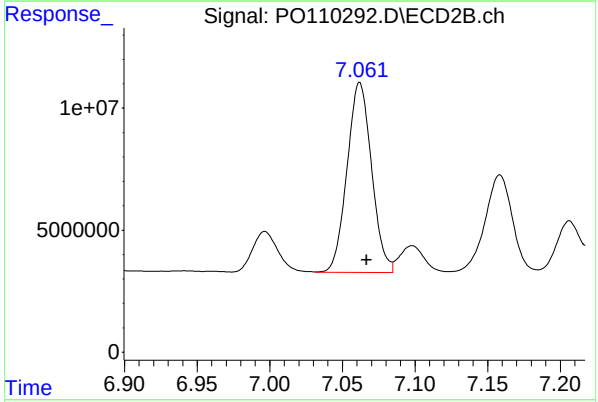
R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 123436061
Conc: 427.14 ng/ml




#34 AR-1260-4

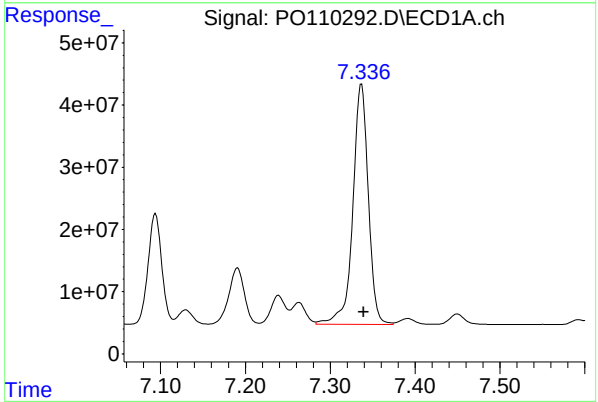
R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 197822722
Conc: 466.38 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



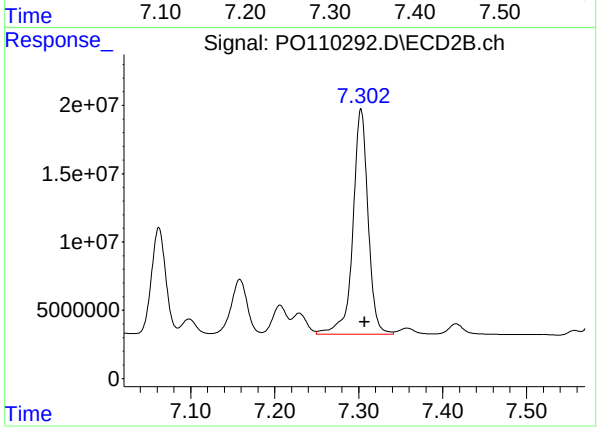

#34 AR-1260-4

R.T.: 7.062 min
Delta R.T.: -0.005 min
Response: 91454142
Conc: 425.21 ng/ml




#35 AR-1260-5

R.T.: 7.337 min
Delta R.T.: -0.003 min
Response: 490577287
Conc: 469.07 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 207470142
Conc: 416.03 ng/ml

Raw Data: **PO110302.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 12:58 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.78 | 4.79 | 4.69 | 4.89 | 0.01 |
| Aroclor-1016-2 | (2) | 4.80 | 4.80 | 4.70 | 4.90 | 0.00 |
| Aroclor-1016-3 | (3) | 4.86 | 4.86 | 4.76 | 4.96 | 0.00 |
| Aroclor-1016-4 | (4) | 4.98 | 4.98 | 4.88 | 5.08 | 0.00 |
| Aroclor-1016-5 | (5) | 5.24 | 5.24 | 5.14 | 5.34 | 0.00 |
| Aroclor-1260-1 | (1) | 6.28 | 6.28 | 6.18 | 6.38 | 0.00 |
| Aroclor-1260-2 | (2) | 6.47 | 6.47 | 6.37 | 6.57 | 0.00 |
| Aroclor-1260-3 | (3) | 6.83 | 6.84 | 6.74 | 6.94 | 0.01 |
| Aroclor-1260-4 | (4) | 7.09 | 7.10 | 7.00 | 7.20 | 0.01 |
| Aroclor-1260-5 | (5) | 7.34 | 7.34 | 7.24 | 7.44 | 0.00 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.74 | 8.75 | 8.65 | 8.85 | 0.01 |

Raw Data: **PO110302.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/18/2025 03/18/2025

**Continuing Calib Time:** 12:58 **Initial Calibration Time(s):** 14:03 22:15

**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) | 4.77 | 4.77 | 4.67 | 4.87 | 0.00 |
| Aroclor-1016-2 | (2) | 4.79 | 4.79 | 4.69 | 4.89 | 0.00 |
| Aroclor-1016-3 | (3) | 4.96 | 4.97 | 4.87 | 5.07 | 0.01 |
| Aroclor-1016-4 | (4) | 5.01 | 5.01 | 4.91 | 5.11 | 0.00 |
| Aroclor-1016-5 | (5) | 5.22 | 5.22 | 5.12 | 5.32 | 0.00 |
| Aroclor-1260-1 | (1) | 6.25 | 6.26 | 6.16 | 6.36 | 0.01 |
| Aroclor-1260-2 | (2) | 6.44 | 6.44 | 6.34 | 6.54 | 0.00 |
| Aroclor-1260-3 | (3) | 6.59 | 6.60 | 6.50 | 6.70 | 0.01 |
| Aroclor-1260-4 | (4) | 7.06 | 7.07 | 6.97 | 7.17 | 0.01 |
| Aroclor-1260-5 | (5) | 7.30 | 7.31 | 7.21 | 7.41 | 0.01 |
| Tetrachloro-m-xylene | | 3.69 | 3.69 | 3.59 | 3.79 | 0.00 |
| Decachlorobiphenyl | | 8.69 | 8.70 | 8.60 | 8.80 | 0.01 |

Raw Data: **PO110302.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110302.D **Time Analyzed:** 12:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.783 | 4.685 | 4.885 | 478.010 | 500.000 | -4.4 |
| Aroclor-1016-2 | 4.802 | 4.704 | 4.904 | 481.930 | 500.000 | -3.6 |
| Aroclor-1016-3 | 4.858 | 4.761 | 4.961 | 488.150 | 500.000 | -2.4 |
| Aroclor-1016-4 | 4.979 | 4.881 | 5.081 | 483.730 | 500.000 | -3.3 |
| Aroclor-1016-5 | 5.237 | 5.139 | 5.339 | 484.580 | 500.000 | -3.1 |
| Aroclor-1260-1 | 6.277 | 6.180 | 6.380 | 484.710 | 500.000 | -3.1 |
| Aroclor-1260-2 | 6.466 | 6.369 | 6.569 | 466.260 | 500.000 | -6.7 |
| Aroclor-1260-3 | 6.834 | 6.737 | 6.937 | 478.180 | 500.000 | -4.4 |
| Aroclor-1260-4 | 7.094 | 6.998 | 7.198 | 469.910 | 500.000 | -6.0 |
| Aroclor-1260-5 | 7.336 | 7.239 | 7.439 | 460.630 | 500.000 | -7.9 |
| Decachlorobiphenyl | 8.739 | 8.645 | 8.845 | 56.540 | 50.000 | 13.1 |
| Tetrachloro-m-xylene | 3.691 | 3.592 | 3.792 | 47.860 | 50.000 | -4.3 |

Raw Data: **PO110302.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/18/2025 03/18/2025

**Client Sample No.:** CCAL05 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PO110302.D **Time Analyzed:** 12:58

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.769 | 4.672 | 4.872 | 459.150 | 500.000 | -8.2 |
| Aroclor-1016-2 | 4.788 | 4.691 | 4.891 | 461.630 | 500.000 | -7.7 |
| Aroclor-1016-3 | 4.963 | 4.867 | 5.067 | 464.240 | 500.000 | -7.2 |
| Aroclor-1016-4 | 5.005 | 4.909 | 5.109 | 462.280 | 500.000 | -7.5 |
| Aroclor-1016-5 | 5.218 | 5.122 | 5.322 | 459.630 | 500.000 | -8.1 |
| Aroclor-1260-1 | 6.250 | 6.155 | 6.355 | 447.090 | 500.000 | -10.6 |
| Aroclor-1260-2 | 6.438 | 6.342 | 6.542 | 439.930 | 500.000 | -12.0 |
| Aroclor-1260-3 | 6.591 | 6.495 | 6.695 | 426.390 | 500.000 | -14.7 |
| Aroclor-1260-4 | 7.063 | 6.967 | 7.167 | 425.830 | 500.000 | -14.8 |
| Aroclor-1260-5 | 7.303 | 7.207 | 7.407 | 416.620 | 500.000 | -16.7 |
| Decachlorobiphenyl | 8.692 | 8.596 | 8.796 | 45.310 | 50.000 | -9.4 |
| Tetrachloro-m-xylene | 3.688 | 3.590 | 3.790 | 47.270 | 50.000 | -5.5 |

Quantitation Report (QT Reviewed)

Sample Results: **PO110302.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 12:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 13:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 435.6E6 | 247.9E6 | 47.860 | 47.272 |
| 2) | SA Decachlor... | 8.739 | 8.692 | 434.7E6 | 109.9E6 | 56.541 | 45.308 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.783 | 4.769 | 160.9E6 | 84140877 | 478.015 | 459.147 |
| 4) | L1 AR-1016-2 | 4.802 | 4.788 | 223.5E6 | 120.7E6 | 481.932 | 461.633 |
| 5) | L1 AR-1016-3 | 4.858 | 4.963 | 156.5E6 | 65819182 | 488.147 | 464.239 |
| 6) | L1 AR-1016-4 | 4.979 | 5.005 | 122.2E6 | 54516660 | 483.727 | 462.281 |
| 7) | L1 AR-1016-5 | 5.237 | 5.218 | 133.2E6 | 70285787 | 484.577 | 459.629 |
| 31) | L7 AR-1260-1 | 6.277 | 6.250 | 228.5E6 | 114.2E6 | 484.705 | 447.094 |
| 32) | L7 AR-1260-2 | 6.466 | 6.438 | 277.7E6 | 132.1E6 | 466.258 | 439.928 |
| 33) | L7 AR-1260-3 | 6.834 | 6.591 | 232.1E6 | 123.2E6 | 478.181 | 426.386 |
| 34) | L7 AR-1260-4 | 7.094 | 7.063 | 199.3E6 | 91586397 | 469.907 | 425.828 |
| 35) | L7 AR-1260-5 | 7.336 | 7.303 | 481.7E6 | 207.8E6 | 460.625 | 416.615 |

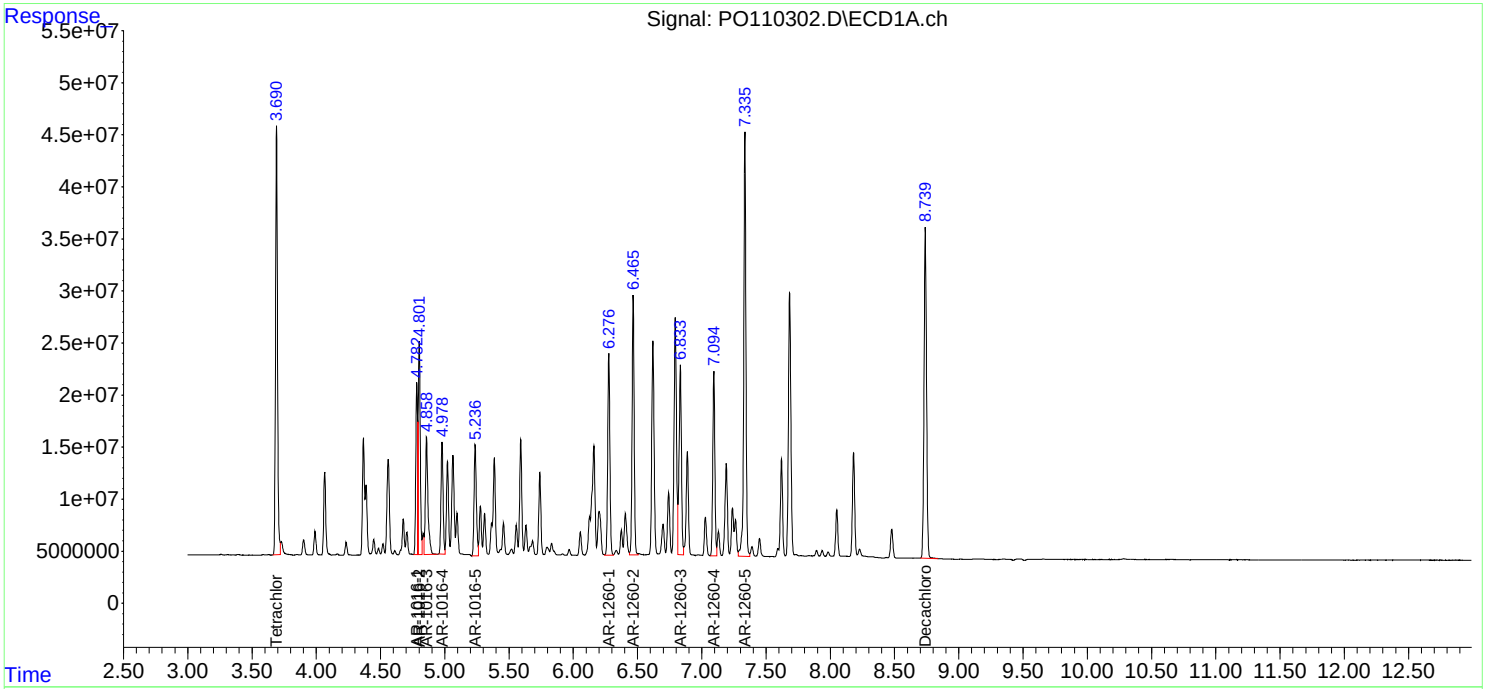
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

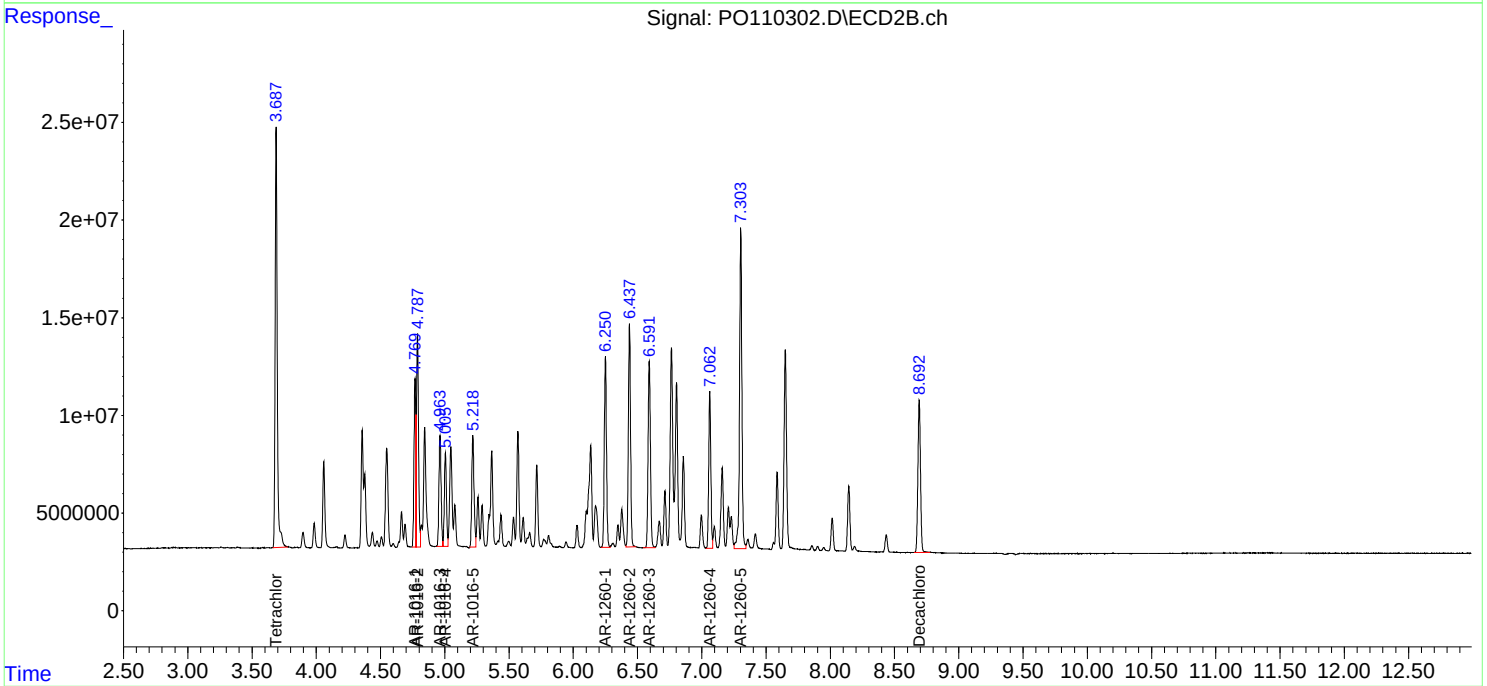
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 12:58
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

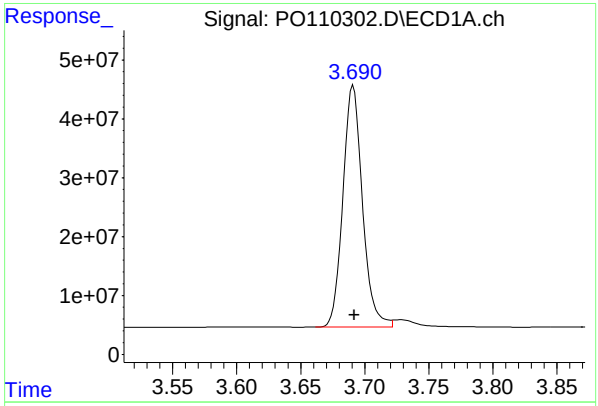
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 13:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



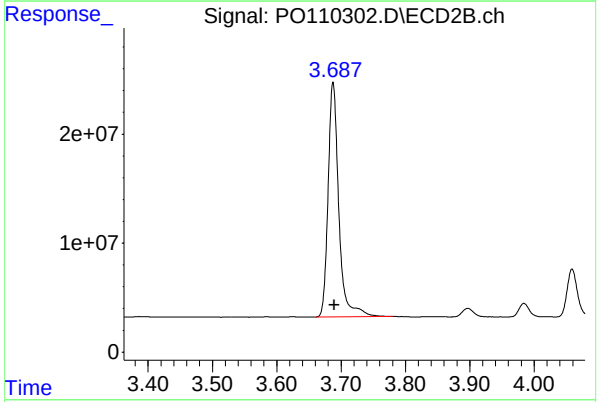






#1 Tetrachloro-m-xylene

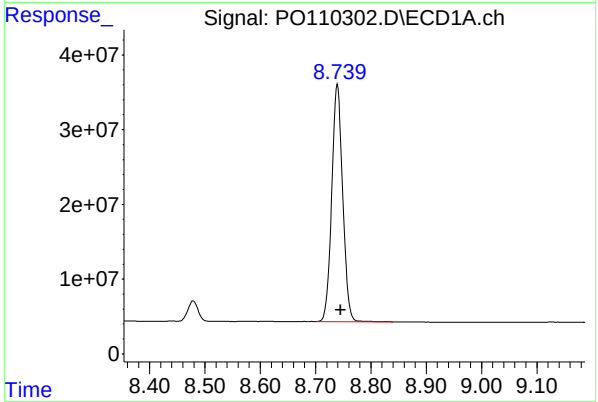
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 435598852
Conc: 47.86 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



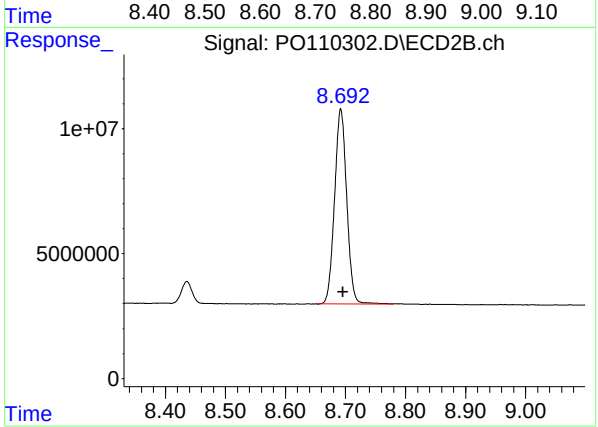

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 247897432
Conc: 47.27 ng/ml



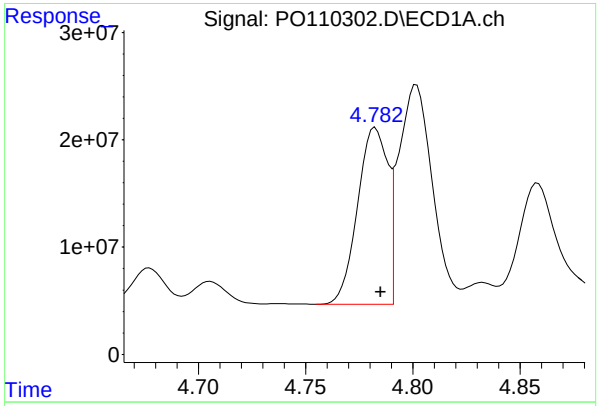

#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.006 min
Response: 434722533
Conc: 56.54 ng/ml




#2 Decachlorobiphenyl

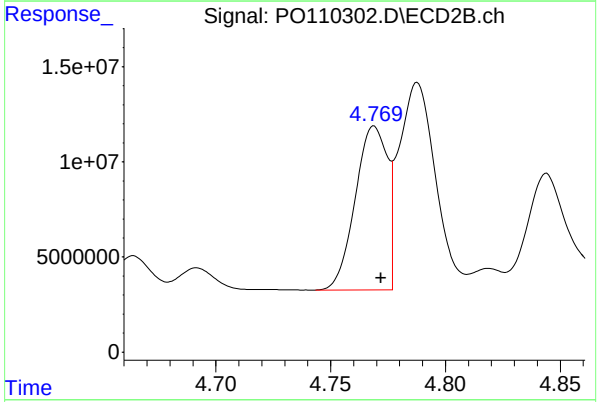
R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 109921655
Conc: 45.31 ng/ml




#3 AR-1016-1

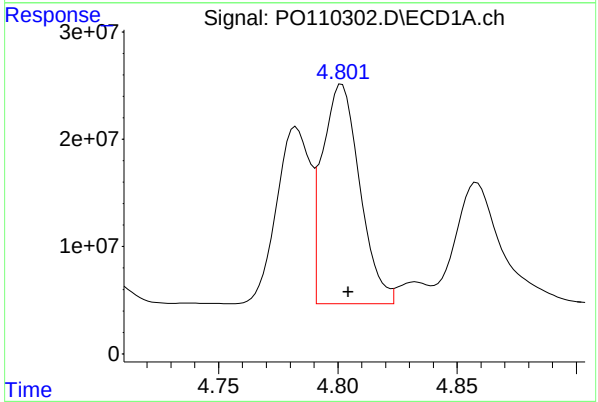
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 160873001
Conc: 478.01 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



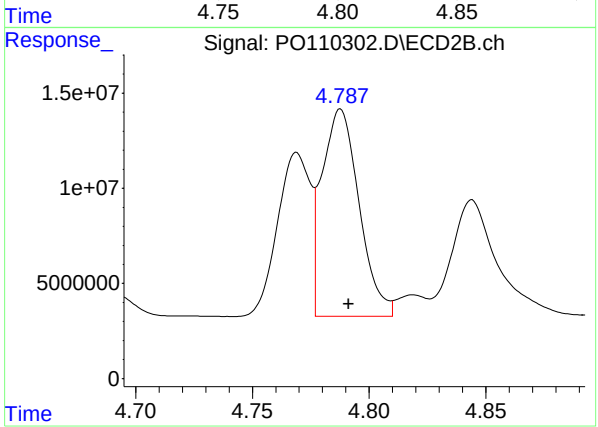

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 84140877
Conc: 459.15 ng/ml



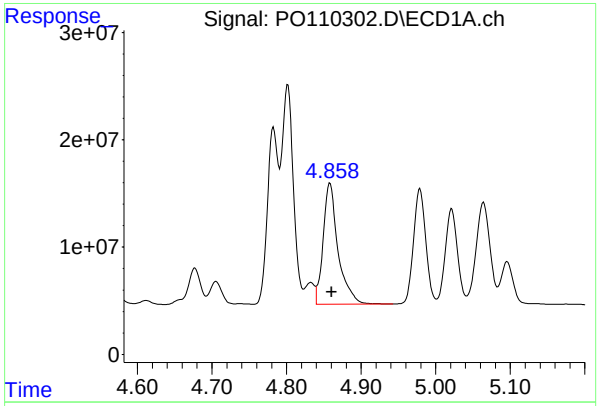

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 223464953
Conc: 481.93 ng/ml




#4 AR-1016-2

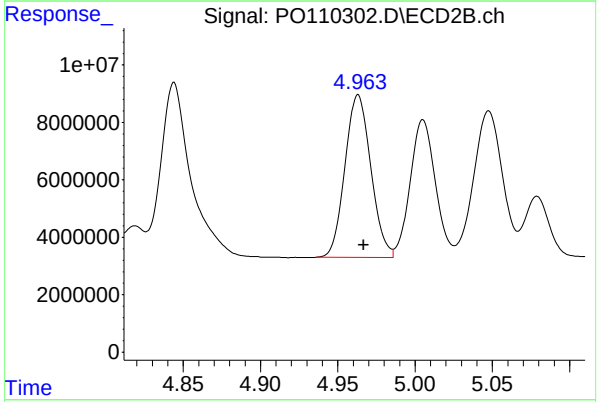
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 120719056
Conc: 461.63 ng/ml




#5 AR-1016-3

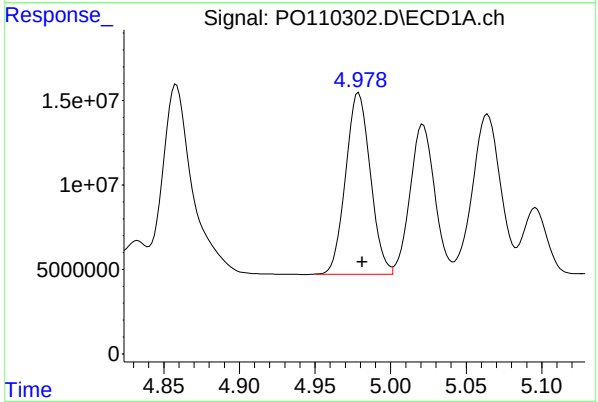
R.T.: 4.858 min
Delta R.T.: -0.003 min
Response: 156493158
Conc: 488.15 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



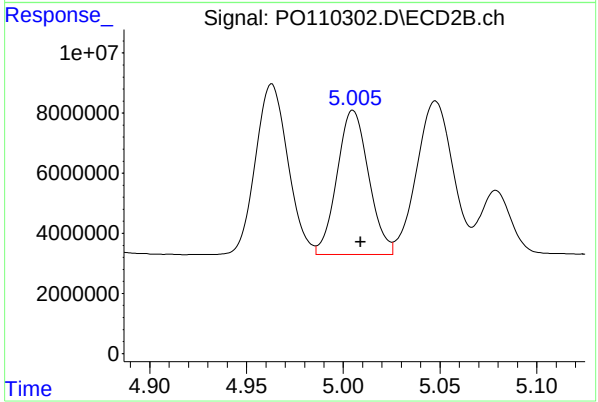

#5 AR-1016-3

R.T.: 4.963 min
Delta R.T.: -0.004 min
Response: 65819182
Conc: 464.24 ng/ml



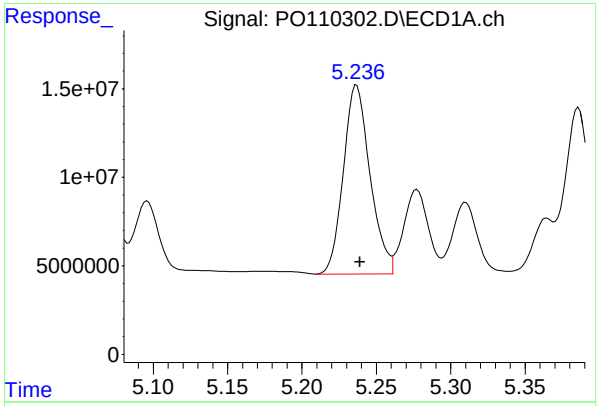

#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 122232752
Conc: 483.73 ng/ml




#6 AR-1016-4

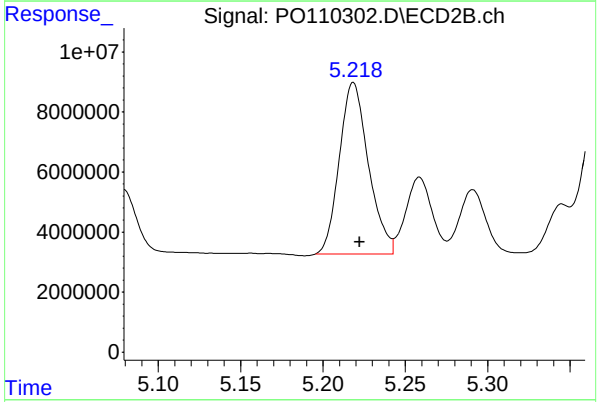
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 54516660
Conc: 462.28 ng/ml




#7 AR-1016-5

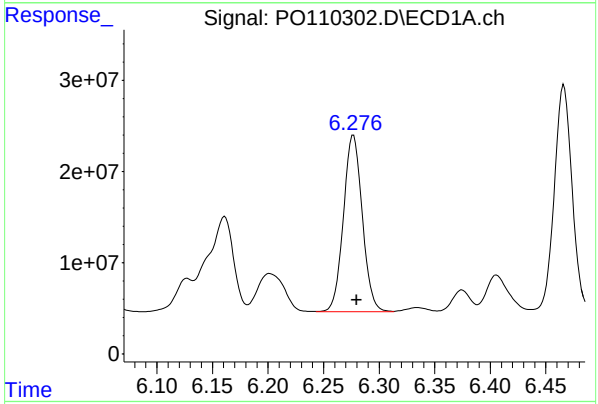
R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 133194313
Conc: 484.58 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



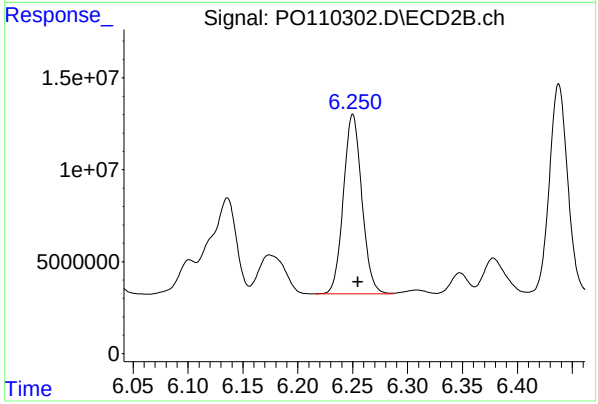

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 70285787
Conc: 459.63 ng/ml



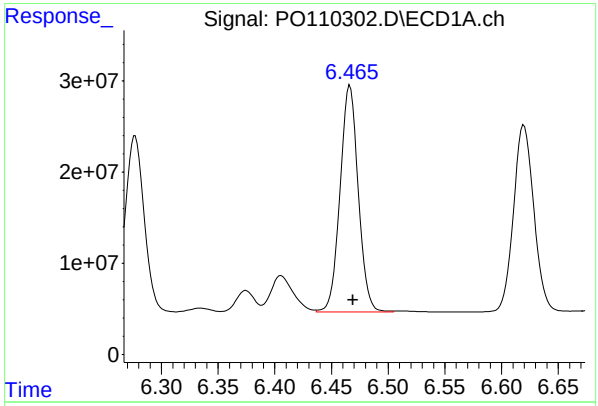

#31 AR-1260-1

R.T.: 6.277 min
Delta R.T.: -0.003 min
Response: 228466177
Conc: 484.71 ng/ml




#31 AR-1260-1

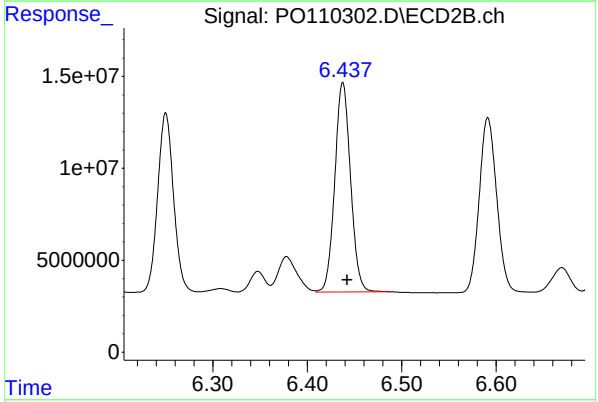
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 114206424
Conc: 447.09 ng/ml




#32 AR-1260-2

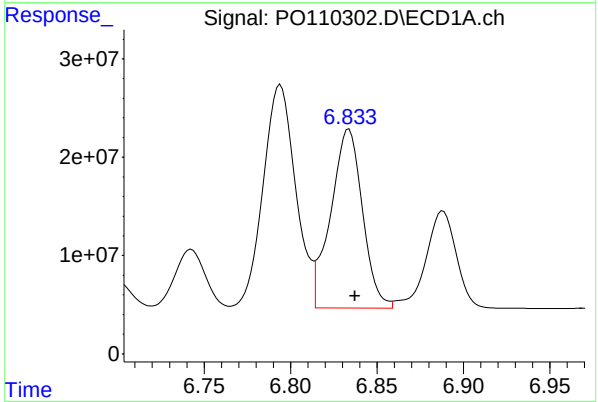
R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 277665605
Conc: 466.26 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



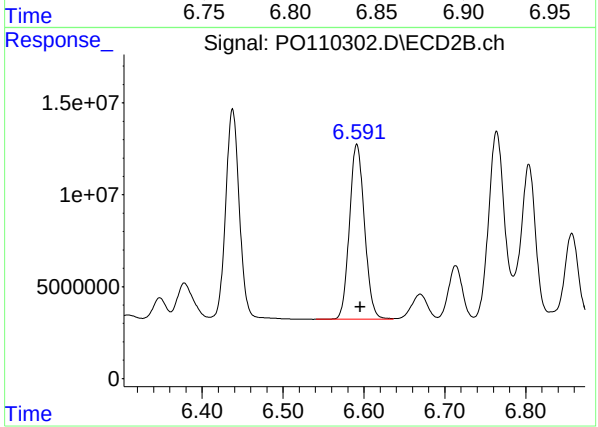

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 132103988
Conc: 439.93 ng/ml



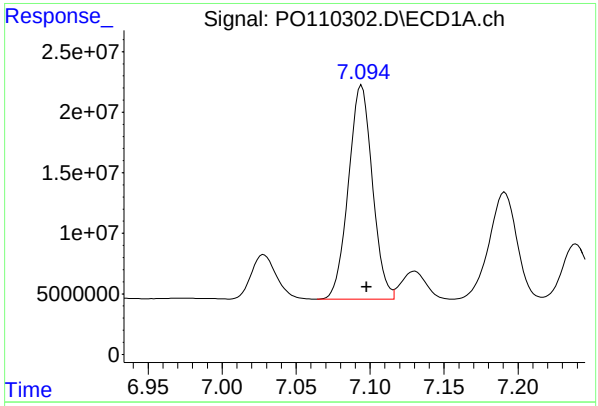

#33 AR-1260-3

R.T.: 6.834 min
Delta R.T.: -0.004 min
Response: 232062227
Conc: 478.18 ng/ml




#33 AR-1260-3

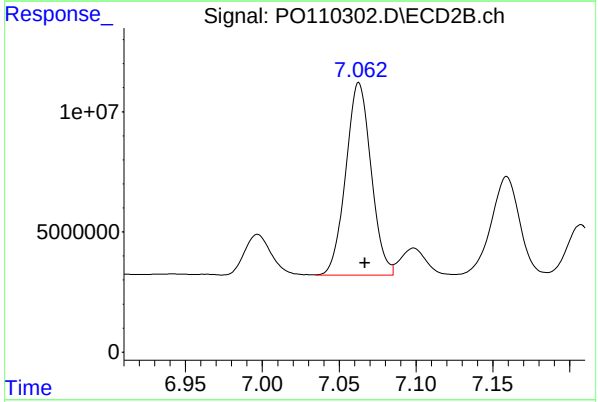
R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 123217994
Conc: 426.39 ng/ml




#34 AR-1260-4

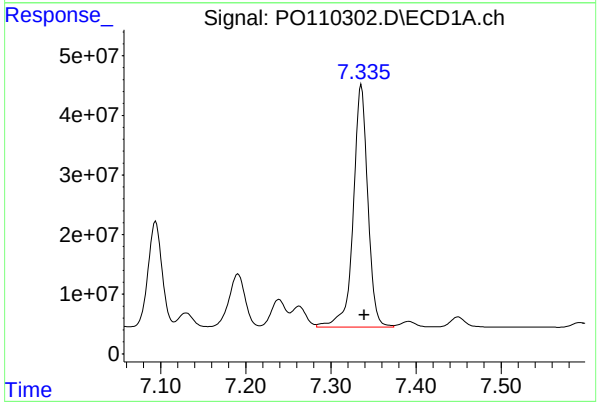
R.T.: 7.094 min
Delta R.T.: -0.003 min
Response: 199319657
Conc: 469.91 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



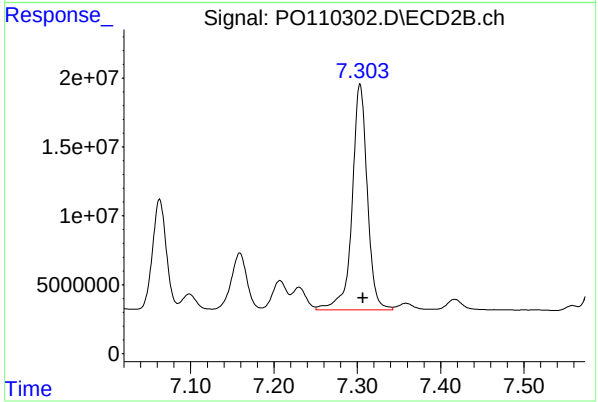

#34 AR-1260-4

R.T.: 7.063 min
Delta R.T.: -0.004 min
Response: 91586397
Conc: 425.83 ng/ml




#35 AR-1260-5

R.T.: 7.336 min
Delta R.T.: -0.004 min
Response: 481743144
Conc: 460.63 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 207764421
Conc: 416.62 ng/ml

Raw Data: **PP071136.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

**Continuing Calib Time:** 09:37 **Initial Calibration Time(s):** 10:30 17:53

**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) | 5.68 | 5.66 | 5.56 | 5.76 | -0.02 |
| Aroclor-1016-2 | (2) | 5.70 | 5.69 | 5.59 | 5.79 | -0.01 |
| Aroclor-1016-3 | (3) | 5.76 | 5.75 | 5.65 | 5.85 | -0.01 |
| Aroclor-1016-4 | (4) | 5.86 | 5.85 | 5.75 | 5.95 | -0.01 |
| Aroclor-1016-5 | (5) | 6.15 | 6.14 | 6.04 | 6.24 | -0.01 |
| Aroclor-1260-1 | (1) | 7.27 | 7.26 | 7.16 | 7.36 | -0.01 |
| Aroclor-1260-2 | (2) | 7.53 | 7.51 | 7.41 | 7.61 | -0.02 |
| Aroclor-1260-3 | (3) | 7.89 | 7.87 | 7.77 | 7.97 | -0.02 |
| Aroclor-1260-4 | (4) | 8.11 | 8.09 | 7.99 | 8.19 | -0.02 |
| Aroclor-1260-5 | (5) | 8.43 | 8.41 | 8.31 | 8.51 | -0.02 |
| Tetrachloro-m-xylene | | 4.52 | 4.51 | 4.41 | 4.61 | -0.01 |
| Decachlorobiphenyl | | 10.26 | 10.23 | 10.13 | 10.33 | -0.03 |

Raw Data: **PP071136.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

**Continuing Calib Time:** 09:37 **Initial Calibration Time(s):** 10:30 17:53

**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) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-2 | (2) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-3 | (3) | 5.10 | 5.10 | 5.00 | 5.20 | 0.00 |
| Aroclor-1016-4 | (4) | 5.14 | 5.14 | 5.04 | 5.24 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.36 | 5.26 | 5.46 | 0.00 |
| Aroclor-1260-1 | (1) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-2 | (2) | 6.58 | 6.58 | 6.48 | 6.68 | 0.00 |
| Aroclor-1260-3 | (3) | 6.74 | 6.73 | 6.63 | 6.83 | -0.01 |
| Aroclor-1260-4 | (4) | 7.21 | 7.21 | 7.11 | 7.31 | 0.00 |
| Aroclor-1260-5 | (5) | 7.45 | 7.45 | 7.35 | 7.55 | 0.00 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.72 | 3.92 | 0.00 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.76 | 8.96 | 0.00 |

Raw Data: **PP071136.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP071136.D **Time Analyzed:** 09:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.679 | 5.563 | 5.763 | 504.230 | 500.000 | 0.8 |
| Aroclor-1016-2 | 5.700 | 5.585 | 5.785 | 472.510 | 500.000 | -5.5 |
| Aroclor-1016-3 | 5.763 | 5.648 | 5.848 | 488.820 | 500.000 | -2.2 |
| Aroclor-1016-4 | 5.861 | 5.745 | 5.945 | 525.740 | 500.000 | 5.1 |
| Aroclor-1016-5 | 6.154 | 6.038 | 6.238 | 539.860 | 500.000 | 8.0 |
| Aroclor-1260-1 | 7.273 | 7.156 | 7.356 | 518.030 | 500.000 | 3.6 |
| Aroclor-1260-2 | 7.527 | 7.410 | 7.610 | 536.780 | 500.000 | 7.4 |
| Aroclor-1260-3 | 7.885 | 7.768 | 7.968 | 503.360 | 500.000 | 0.7 |
| Aroclor-1260-4 | 8.109 | 7.992 | 8.192 | 501.370 | 500.000 | 0.3 |
| Aroclor-1260-5 | 8.431 | 8.311 | 8.511 | 506.740 | 500.000 | 1.3 |
| Decachlorobiphenyl | 10.255 | 10.125 | 10.325 | 51.060 | 50.000 | 2.1 |
| Tetrachloro-m-xylene | 4.524 | 4.412 | 4.612 | 51.340 | 50.000 | 2.7 |

Raw Data: **PP071136.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

**Client Sample No.:** CCAL06 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP071136.D **Time Analyzed:** 09:37

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.904 | 4.803 | 5.003 | 491.030 | 500.000 | -1.8 |
| Aroclor-1016-2 | 4.923 | 4.822 | 5.022 | 483.510 | 500.000 | -3.3 |
| Aroclor-1016-3 | 5.101 | 4.999 | 5.199 | 522.710 | 500.000 | 4.5 |
| Aroclor-1016-4 | 5.142 | 5.041 | 5.241 | 542.480 | 500.000 | 8.5 |
| Aroclor-1016-5 | 5.357 | 5.255 | 5.455 | 530.130 | 500.000 | 6.0 |
| Aroclor-1260-1 | 6.393 | 6.292 | 6.492 | 547.620 | 500.000 | 9.5 |
| Aroclor-1260-2 | 6.582 | 6.480 | 6.680 | 534.460 | 500.000 | 6.9 |
| Aroclor-1260-3 | 6.735 | 6.634 | 6.834 | 546.870 | 500.000 | 9.4 |
| Aroclor-1260-4 | 7.207 | 7.105 | 7.305 | 489.720 | 500.000 | -2.1 |
| Aroclor-1260-5 | 7.448 | 7.346 | 7.546 | 462.070 | 500.000 | -7.6 |
| Decachlorobiphenyl | 8.862 | 8.759 | 8.959 | 43.790 | 50.000 | -12.4 |
| Tetrachloro-m-xylene | 3.817 | 3.716 | 3.916 | 47.940 | 50.000 | -4.1 |

Quantitation Report (QT Reviewed)

Sample Results: **PP071136.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:57:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 | 3.817 | 75031562 | 49693990 | 51.336 | 47.937 |
| 2) | SA Decachlor... | 10.255 | 8.862 | 53747529 | 34514110 | 51.061 | 43.789 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.679 | 4.904 | 25640835 | 19684563 | 504.232 | 491.032 |
| 4) | L1 AR-1016-2 | 5.700 | 4.923 | 36881275 | 27978272 | 472.512m | 483.509 |
| 5) | L1 AR-1016-3 | 5.763 | 5.101 | 23060044 | 16163902 | 488.823 | 522.709 |
| 6) | L1 AR-1016-4 | 5.861 | 5.142 | 19323906 | 13212574 | 525.739 | 542.479 |
| 7) | L1 AR-1016-5 | 6.154 | 5.357 | 18307730 | 17134433 | 539.858 | 530.130 |
| 31) | L7 AR-1260-1 | 7.273 | 6.393 | 34786874 | 28041460 | 518.026 | 547.617 |
| 32) | L7 AR-1260-2 | 7.527 | 6.582 | 51604417 | 34095263 | 536.784 | 534.460 |
| 33) | L7 AR-1260-3 | 7.885 | 6.735 | 40227656 | 29796945 | 503.360 | 546.865 |
| 34) | L7 AR-1260-4 | 8.109 | 7.207 | 39475978 | 23421548 | 501.366m | 489.721 |
| 35) | L7 AR-1260-5 | 8.431 | 7.448 | 80513512 | 57532352 | 506.737 | 462.069 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

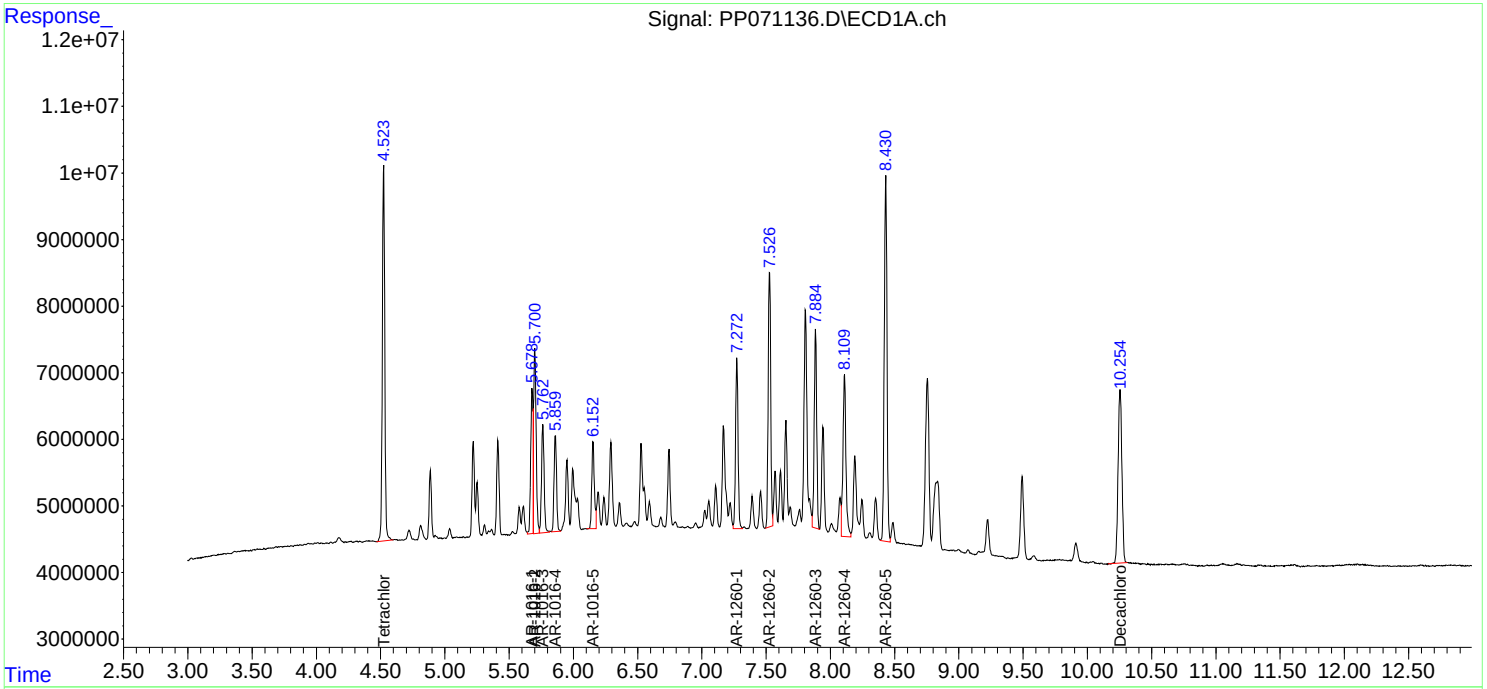
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

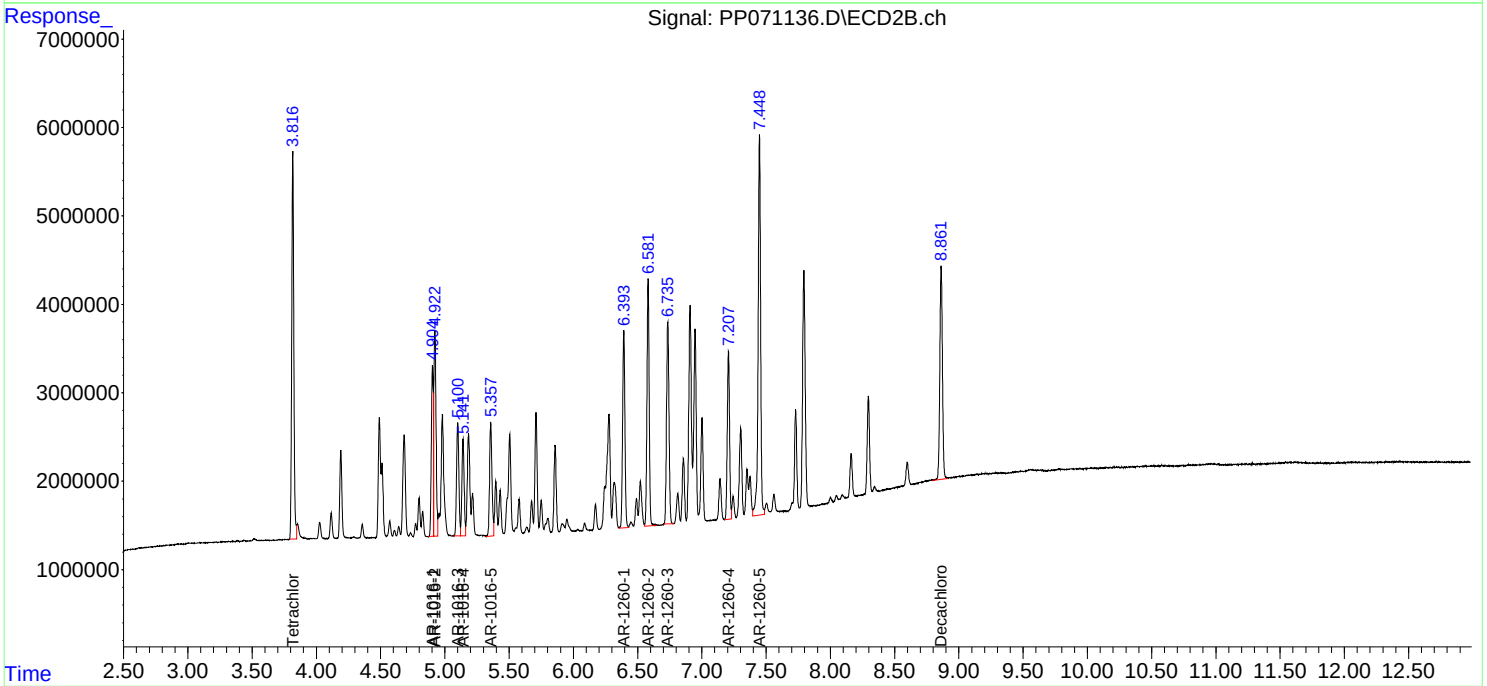
**Manual Integrations APPROVED**

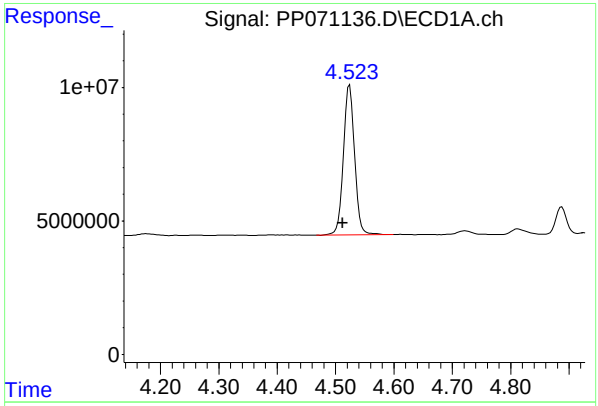
Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:57:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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





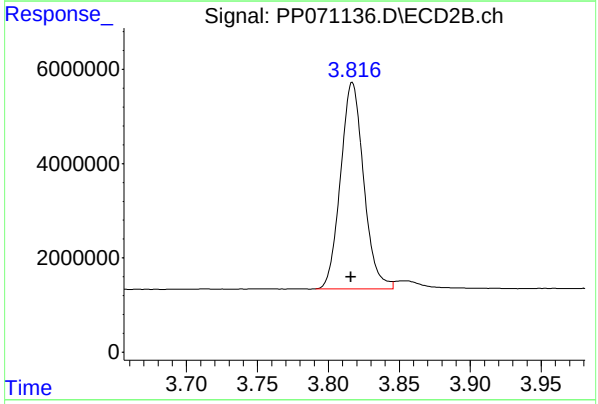

#1 Tetrachloro-m-xylene

R.T.: 4.524 min
Delta R.T.: 0.012 min
Response: 75031562
Conc: 51.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

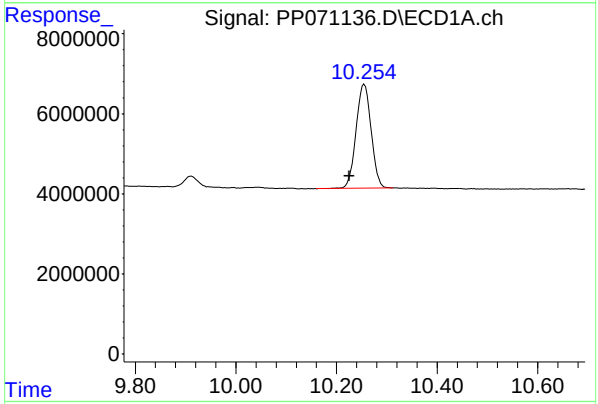
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



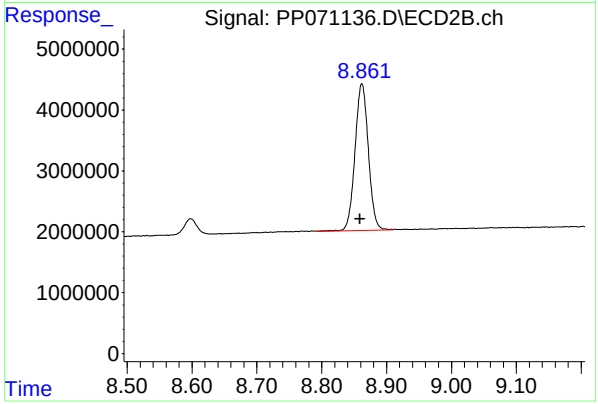

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 49693990
Conc: 47.94 ng/ml



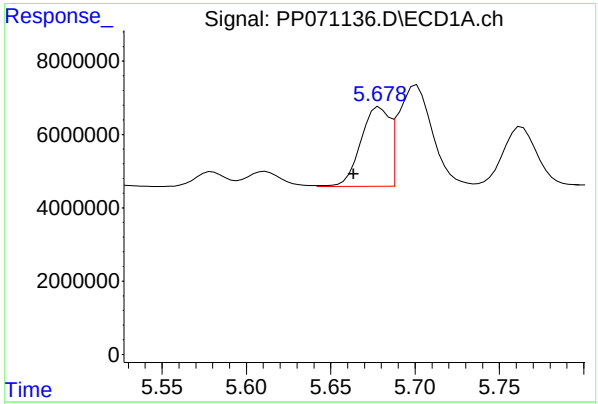

#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.030 min
Response: 53747529
Conc: 51.06 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.862 min
Delta R.T.: 0.003 min
Response: 34514110
Conc: 43.79 ng/ml



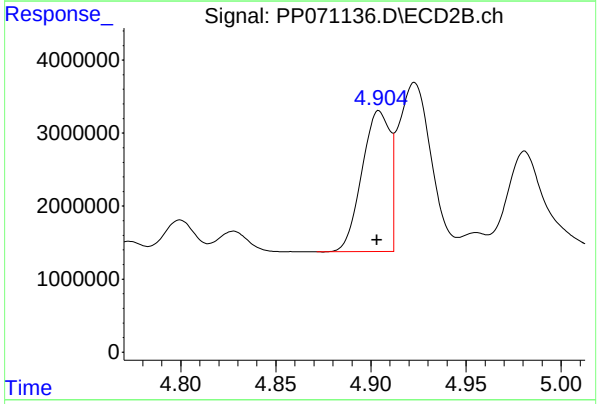

#3 AR-1016-1

R.T.: 5.679 min
Delta R.T.: 0.016 mi
Response: 25640835
Conc: 504.23 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

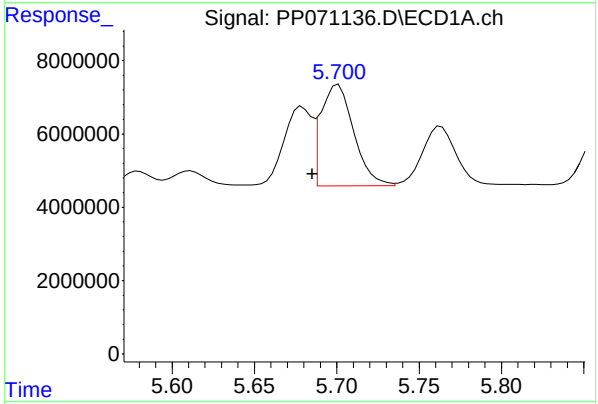
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



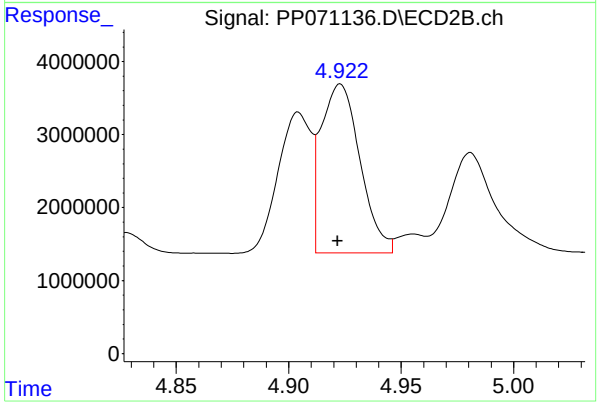

#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 19684563
Conc: 491.03 ng/ml



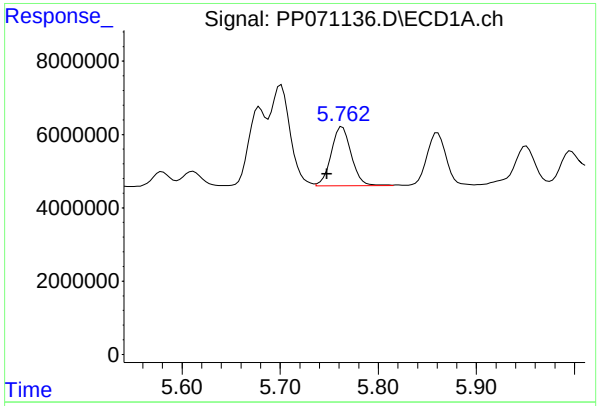

#4 AR-1016-2

R.T.: 5.700 min
Delta R.T.: 0.015 min
Response: 36881275
Conc: 472.51 ng/ml m




#4 AR-1016-2

R.T.: 4.923 min
Delta R.T.: 0.001 min
Response: 27978272
Conc: 483.51 ng/ml



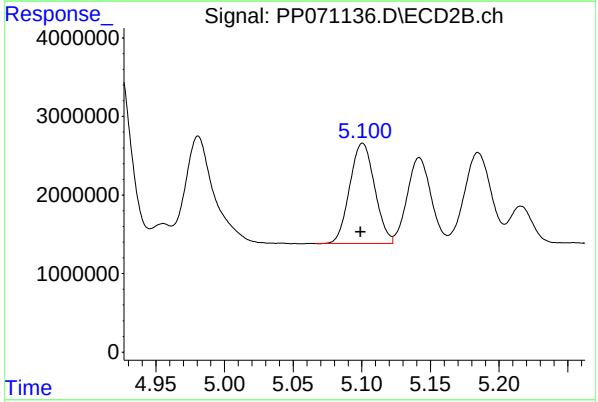

#5 AR-1016-3

R.T.: 5.763 min
Delta R.T.: 0.016 min
Response: 23060044
Conc: 488.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

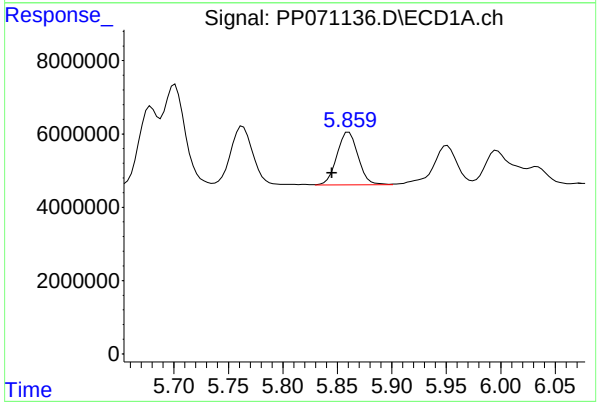
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



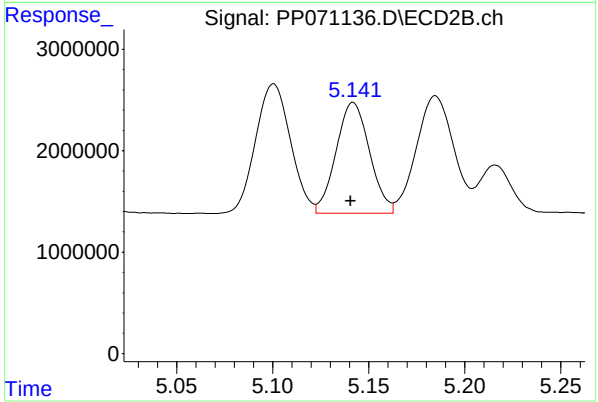

#5 AR-1016-3

R.T.: 5.101 min
Delta R.T.: 0.001 min
Response: 16163902
Conc: 522.71 ng/ml



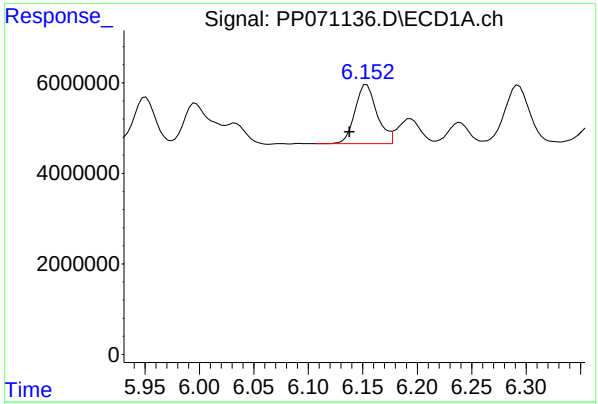

#6 AR-1016-4

R.T.: 5.861 min
Delta R.T.: 0.015 min
Response: 19323906
Conc: 525.74 ng/ml




#6 AR-1016-4

R.T.: 5.142 min
Delta R.T.: 0.001 min
Response: 13212574
Conc: 542.48 ng/ml



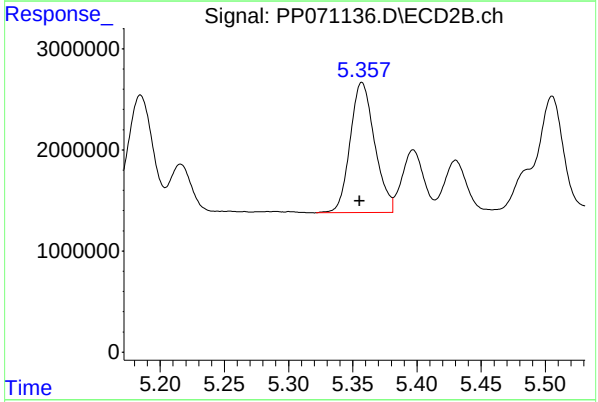

#7 AR-1016-5

R.T.: 6.154 min
Delta R.T.: 0.016 min
Response: 18307730
Conc: 539.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

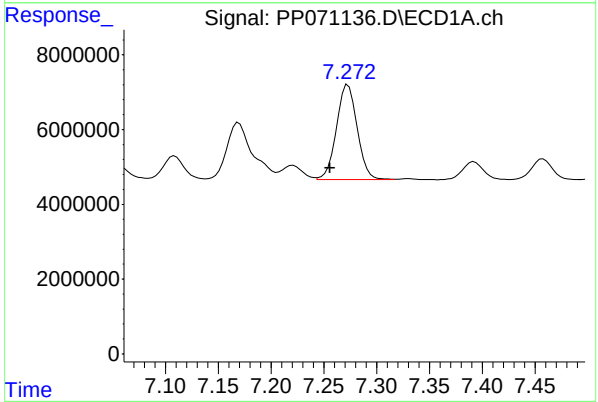
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



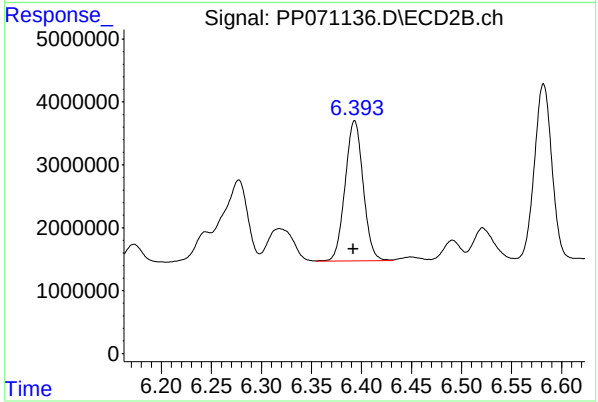

#7 AR-1016-5

R.T.: 5.357 min
Delta R.T.: 0.002 min
Response: 17134433
Conc: 530.13 ng/ml



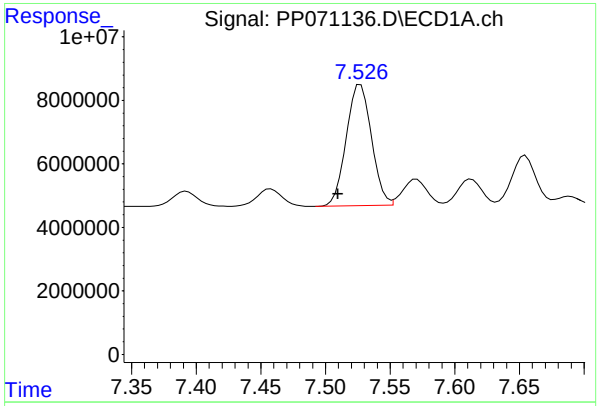

#31 AR-1260-1

R.T.: 7.273 min
Delta R.T.: 0.017 min
Response: 34786874
Conc: 518.03 ng/ml




#31 AR-1260-1

R.T.: 6.393 min
Delta R.T.: 0.001 min
Response: 28041460
Conc: 547.62 ng/ml



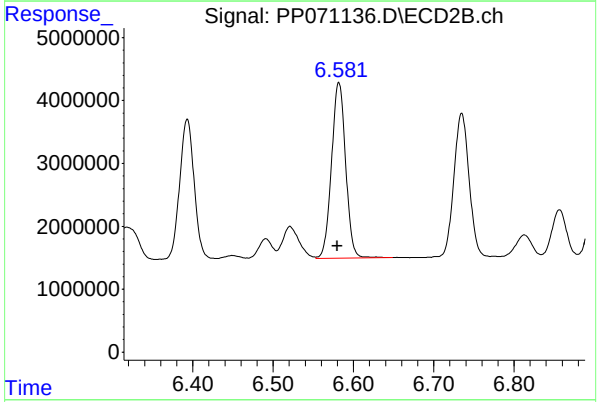

#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.017 min
Response: 51604417
Conc: 536.78 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

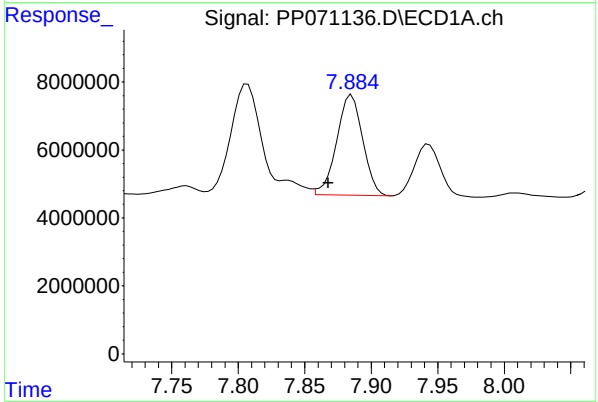
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



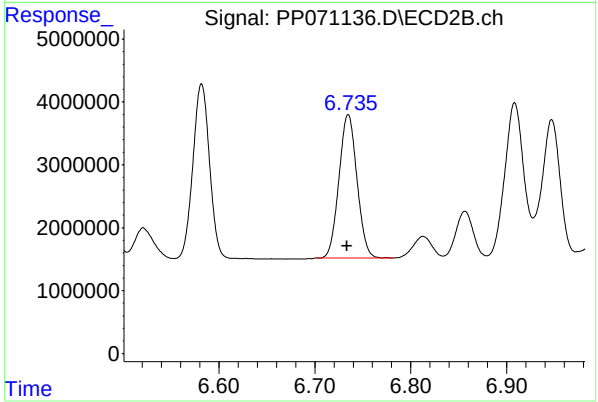

#32 AR-1260-2

R.T.: 6.582 min
Delta R.T.: 0.002 min
Response: 34095263
Conc: 534.46 ng/ml



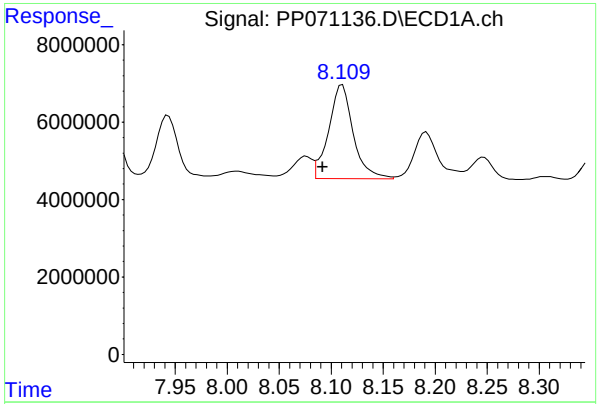

#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: 0.018 min
Response: 40227656
Conc: 503.36 ng/ml




#33 AR-1260-3

R.T.: 6.735 min
Delta R.T.: 0.001 min
Response: 29796945
Conc: 546.87 ng/ml



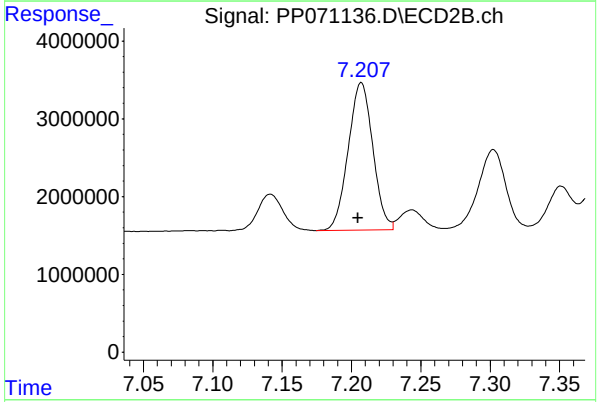

#34 AR-1260-4

R.T.: 8.109 min
Delta R.T.: 0.018 min
Response: 39475978
Conc: 501.37 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

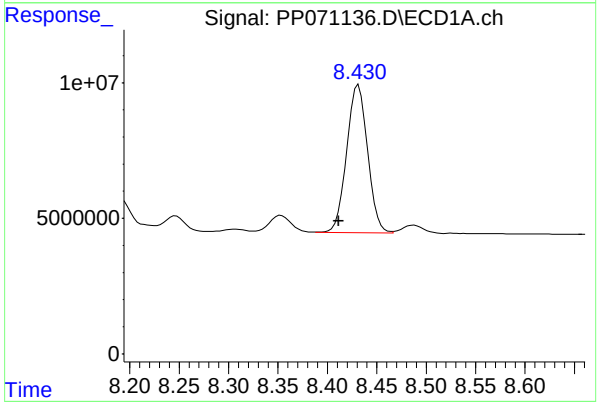
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



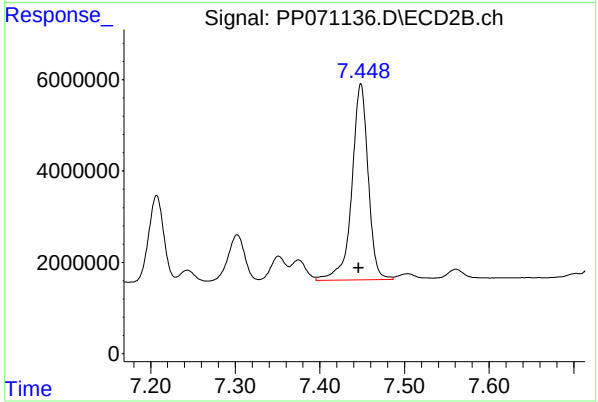

#34 AR-1260-4

R.T.: 7.207 min
Delta R.T.: 0.002 min
Response: 23421548
Conc: 489.72 ng/ml




#35 AR-1260-5

R.T.: 8.431 min
Delta R.T.: 0.020 min
Response: 80513512
Conc: 506.74 ng/ml




#35 AR-1260-5

R.T.: 7.448 min
Delta R.T.: 0.002 min
Response: 57532352
Conc: 462.07 ng/ml

Raw Data: **PP071151.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

**Continuing Calib Time:** 15:29 **Initial Calibration Time(s):** 10:30 17:53

**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 | 5.66 | 5.56 | 5.76 | -0.01 |
| Aroclor-1016-2 | (2) | 5.69 | 5.69 | 5.59 | 5.79 | 0.00 |
| Aroclor-1016-3 | (3) | 5.76 | 5.75 | 5.65 | 5.85 | -0.01 |
| Aroclor-1016-4 | (4) | 5.85 | 5.85 | 5.75 | 5.95 | 0.00 |
| Aroclor-1016-5 | (5) | 6.15 | 6.14 | 6.04 | 6.24 | -0.01 |
| Aroclor-1260-1 | (1) | 7.27 | 7.26 | 7.16 | 7.36 | 0.00 |
| Aroclor-1260-2 | (2) | 7.52 | 7.51 | 7.41 | 7.61 | -0.01 |
| Aroclor-1260-3 | (3) | 7.88 | 7.87 | 7.77 | 7.97 | -0.01 |
| Aroclor-1260-4 | (4) | 8.10 | 8.09 | 7.99 | 8.19 | -0.01 |
| Aroclor-1260-5 | (5) | 8.42 | 8.41 | 8.31 | 8.51 | -0.01 |
| Tetrachloro-m-xylene | | 4.52 | 4.51 | 4.41 | 4.61 | -0.01 |
| Decachlorobiphenyl | | 10.24 | 10.23 | 10.13 | 10.33 | -0.01 |

Raw Data: **PP071151.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**Continuing Calib Date:** 04/08/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

**Continuing Calib Time:** 15:29 **Initial Calibration Time(s):** 10:30 17:53

**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) | 4.90 | 4.90 | 4.80 | 5.00 | 0.00 |
| Aroclor-1016-2 | (2) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-3 | (3) | 5.10 | 5.10 | 5.00 | 5.20 | 0.00 |
| Aroclor-1016-4 | (4) | 5.14 | 5.14 | 5.04 | 5.24 | 0.00 |
| Aroclor-1016-5 | (5) | 5.36 | 5.36 | 5.26 | 5.46 | 0.00 |
| Aroclor-1260-1 | (1) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-2 | (2) | 6.58 | 6.58 | 6.48 | 6.68 | 0.00 |
| Aroclor-1260-3 | (3) | 6.73 | 6.73 | 6.63 | 6.83 | 0.00 |
| Aroclor-1260-4 | (4) | 7.20 | 7.21 | 7.11 | 7.31 | 0.01 |
| Aroclor-1260-5 | (5) | 7.45 | 7.45 | 7.35 | 7.55 | 0.00 |
| Tetrachloro-m-xylene | | 3.82 | 3.82 | 3.72 | 3.92 | 0.00 |
| Decachlorobiphenyl | | 8.86 | 8.86 | 8.76 | 8.96 | 0.00 |

Raw Data: **PP071151.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

**Client Sample No.:** CCAL07 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP071151.D **Time Analyzed:** 15:29

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.671 | 5.563 | 5.763 | 484.620 | 500.000 | -3.1 |
| Aroclor-1016-2 | 5.692 | 5.585 | 5.785 | 482.920 | 500.000 | -3.4 |
| Aroclor-1016-3 | 5.755 | 5.648 | 5.848 | 470.770 | 500.000 | -5.8 |
| Aroclor-1016-4 | 5.852 | 5.745 | 5.945 | 505.800 | 500.000 | 1.2 |
| Aroclor-1016-5 | 6.146 | 6.038 | 6.238 | 510.370 | 500.000 | 2.1 |
| Aroclor-1260-1 | 7.265 | 7.156 | 7.356 | 508.140 | 500.000 | 1.6 |
| Aroclor-1260-2 | 7.519 | 7.410 | 7.610 | 516.880 | 500.000 | 3.4 |
| Aroclor-1260-3 | 7.879 | 7.768 | 7.968 | 504.190 | 500.000 | 0.8 |
| Aroclor-1260-4 | 8.103 | 7.992 | 8.192 | 470.830 | 500.000 | -5.8 |
| Aroclor-1260-5 | 8.424 | 8.311 | 8.511 | 486.490 | 500.000 | -2.7 |
| Decachlorobiphenyl | 10.243 | 10.125 | 10.325 | 49.190 | 50.000 | -1.6 |
| Tetrachloro-m-xylene | 4.516 | 4.412 | 4.612 | 50.490 | 50.000 | 1.0 |

Raw Data: **PP071151.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** NOBI03

**Lab Code:** CHEM **Case No.:** Q1730 **SAS No.:** Q1730 **SDG NO.:** Q1730

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

**Client Sample No.:** CCAL07 **Date Analyzed:** 04/08/2025

**Lab Sample No.:** AR1660CCC500 **Data File :** PP071151.D **Time Analyzed:** 15:29

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.902 | 4.803 | 5.003 | 520.460 | 500.000 | 4.1 |
| Aroclor-1016-2 | 4.921 | 4.822 | 5.022 | 507.900 | 500.000 | 1.6 |
| Aroclor-1016-3 | 5.098 | 4.999 | 5.199 | 543.550 | 500.000 | 8.7 |
| Aroclor-1016-4 | 5.140 | 5.041 | 5.241 | 556.220 | 500.000 | 11.2 |
| Aroclor-1016-5 | 5.355 | 5.255 | 5.455 | 535.660 | 500.000 | 7.1 |
| Aroclor-1260-1 | 6.390 | 6.292 | 6.492 | 521.040 | 500.000 | 4.2 |
| Aroclor-1260-2 | 6.579 | 6.480 | 6.680 | 514.470 | 500.000 | 2.9 |
| Aroclor-1260-3 | 6.732 | 6.634 | 6.834 | 529.510 | 500.000 | 5.9 |
| Aroclor-1260-4 | 7.204 | 7.105 | 7.305 | 494.430 | 500.000 | -1.1 |
| Aroclor-1260-5 | 7.446 | 7.346 | 7.546 | 448.730 | 500.000 | -10.3 |
| Decachlorobiphenyl | 8.859 | 8.759 | 8.959 | 40.800 | 50.000 | -18.4 |
| Tetrachloro-m-xylene | 3.816 | 3.716 | 3.916 | 47.690 | 50.000 | -4.6 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 15:29
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: Apr 08 15:40:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.516 | 3.816 | 73793328 | 49435615 | 50.489 | 47.688 |
| 2) | SA Decachlor... | 10.243 | 8.859 | 51773119 | 32161650 | 49.185 | 40.804 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.671 | 4.902 | 24643519 | 20864142 | 484.620 | 520.456 |
| 4) | L1 AR-1016-2 | 5.692 | 4.921 | 37693781 | 29389805 | 482.922 | 507.902 |
| 5) | L1 AR-1016-3 | 5.755 | 5.098 | 22208174 | 16808495 | 470.765 | 543.554 |
| 6) | L1 AR-1016-4 | 5.852 | 5.140 | 18590980 | 13547316 | 505.798 | 556.223 |
| 7) | L1 AR-1016-5 | 6.146 | 5.355 | 17307697 | 17313298 | 510.369 | 535.664 |
| 31) | L7 AR-1260-1 | 7.265 | 6.390 | 34122856 | 26680779 | 508.137 | 521.045 |
| 32) | L7 AR-1260-2 | 7.519 | 6.579 | 49691070 | 32819802 | 516.881 | 514.467 |
| 33) | L7 AR-1260-3 | 7.879 | 6.732 | 40293738 | 28851540 | 504.187 | 529.514 |
| 34) | L7 AR-1260-4 | 8.103 | 7.204 | 37071987 | 23646683 | 470.834 | 494.429 |
| 35) | L7 AR-1260-5 | 8.424 | 7.446 | 77297206 | 55871530 | 486.494 | 448.730 |

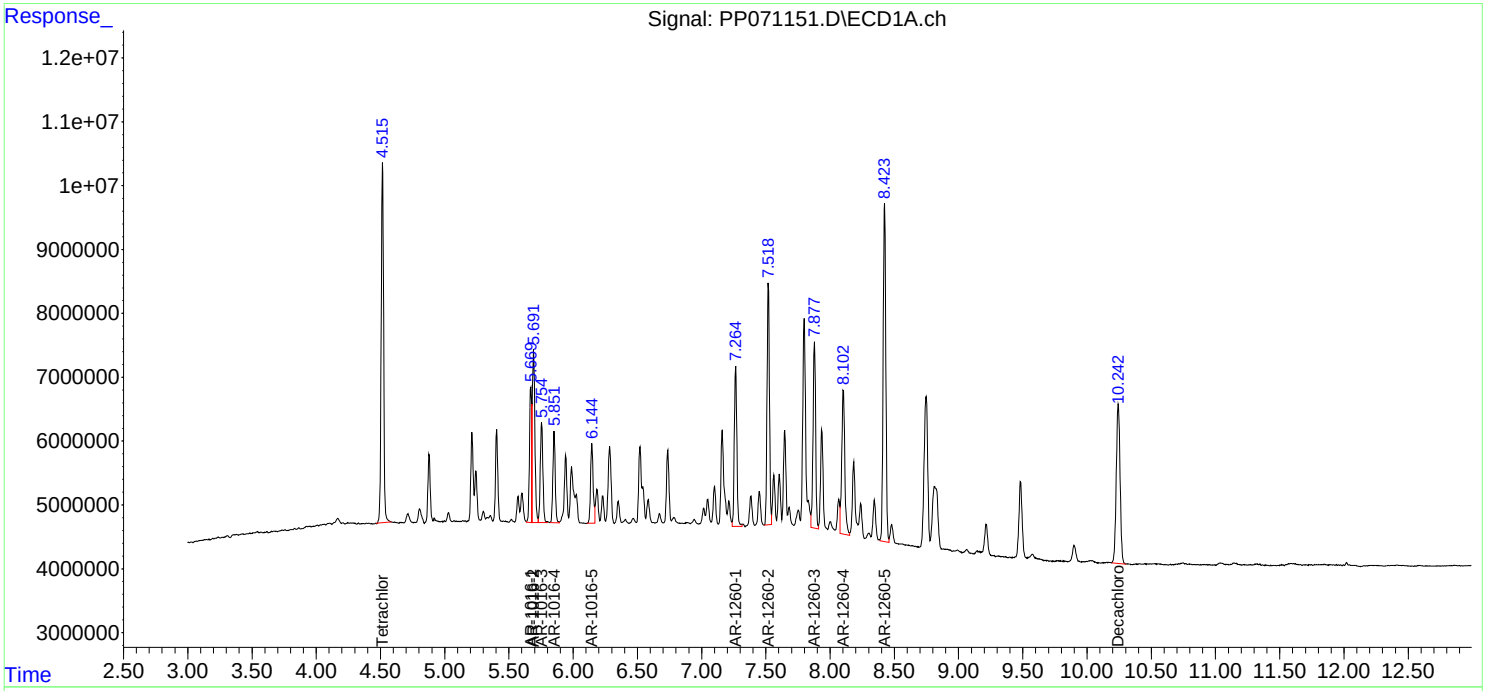
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

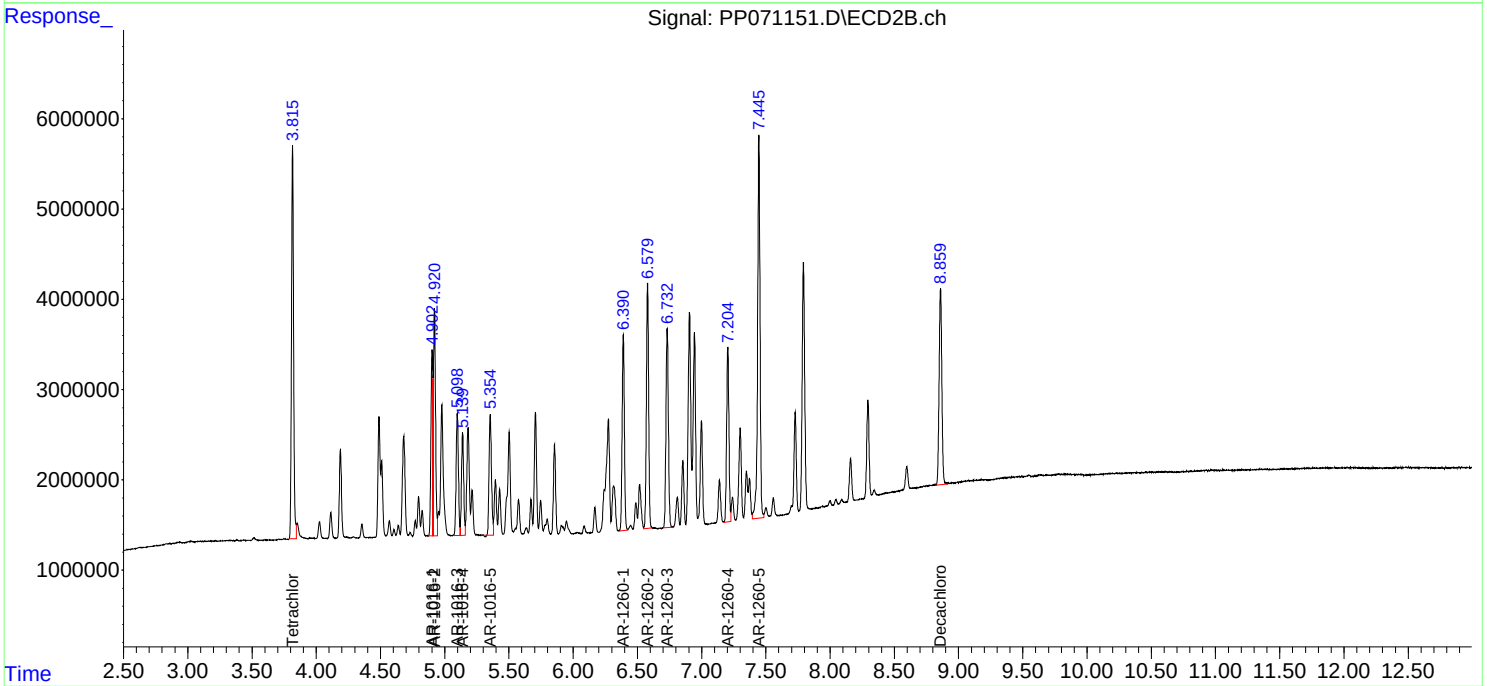
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 15:29
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

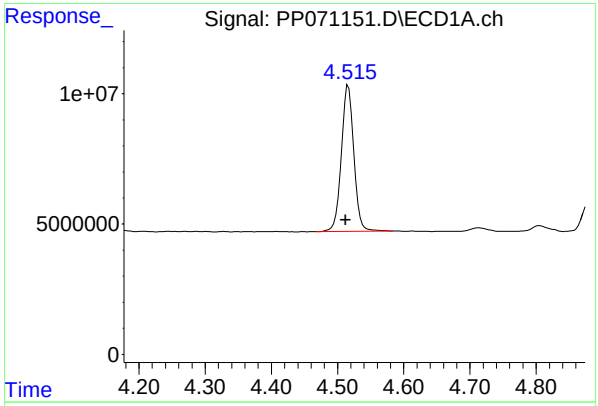
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 15:40:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



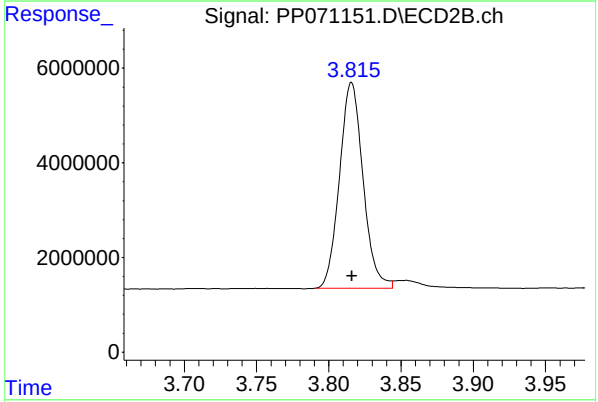






#1 Tetrachloro-m-xylene

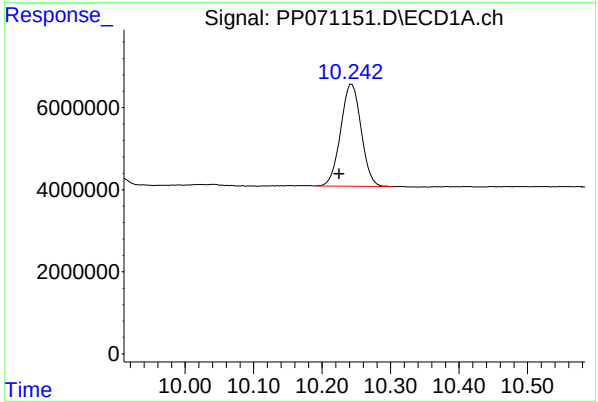
R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 73793328
Conc: 50.49 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



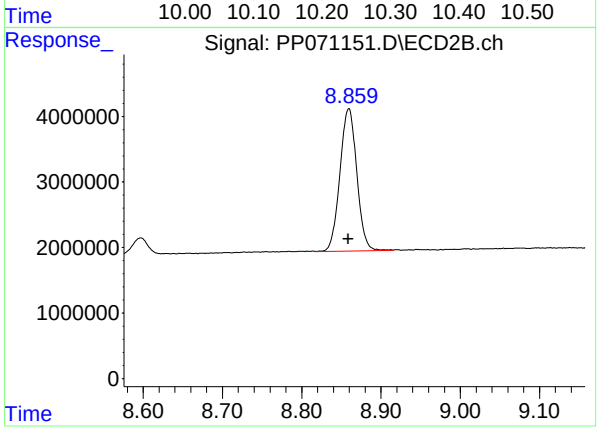

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 49435615
Conc: 47.69 ng/ml



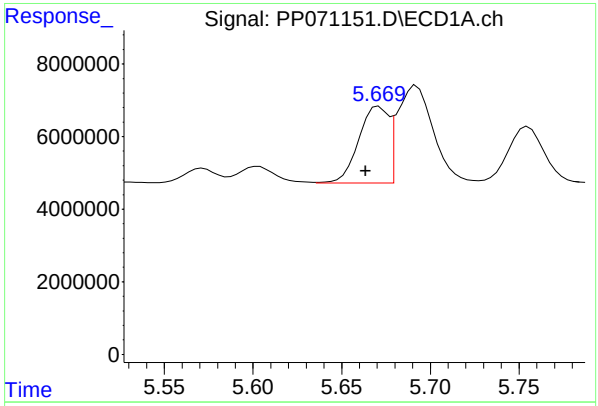

#2 Decachlorobiphenyl

R.T.: 10.243 min
Delta R.T.: 0.018 min
Response: 51773119
Conc: 49.19 ng/ml




#2 Decachlorobiphenyl

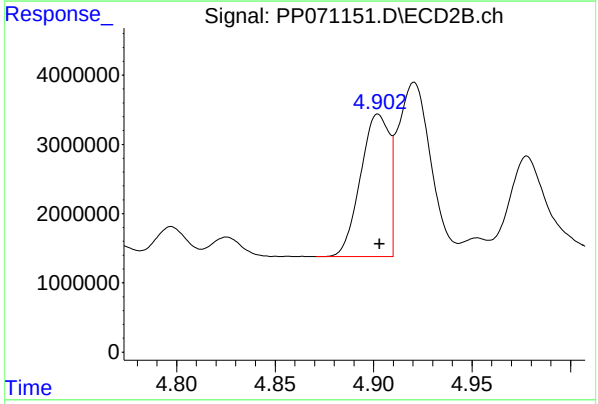
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 32161650
Conc: 40.80 ng/ml




#3 AR-1016-1

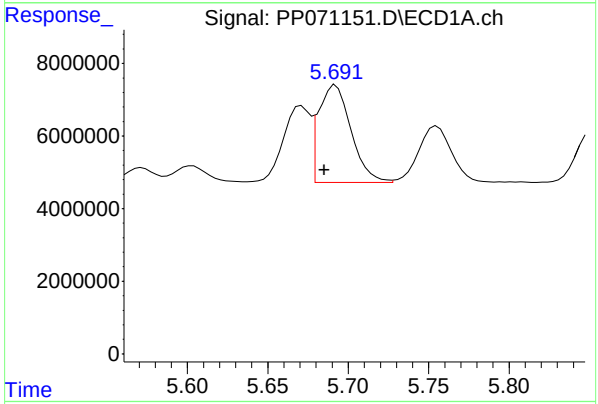
R.T.: 5.671 min
Delta R.T.: 0.007 min
Response: 24643519
Conc: 484.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



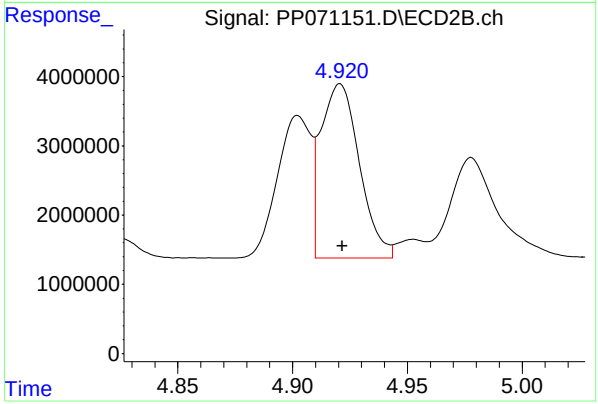

#3 AR-1016-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 20864142
Conc: 520.46 ng/ml



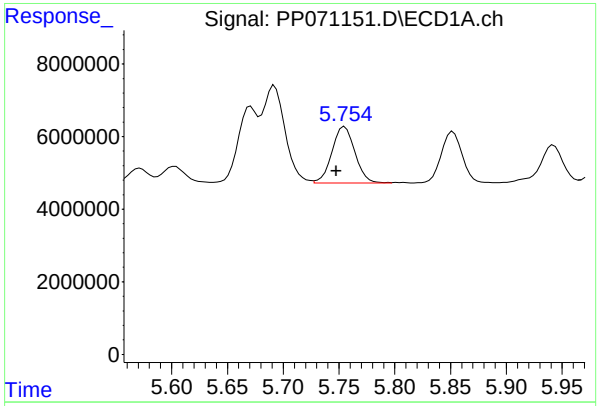

#4 AR-1016-2

R.T.: 5.692 min
Delta R.T.: 0.007 min
Response: 37693781
Conc: 482.92 ng/ml




#4 AR-1016-2

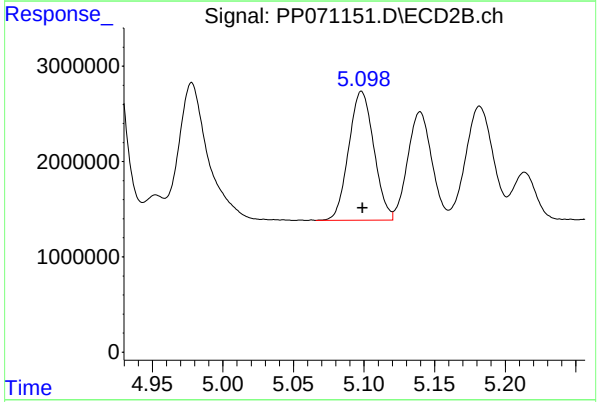
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 29389805
Conc: 507.90 ng/ml




#5 AR-1016-3

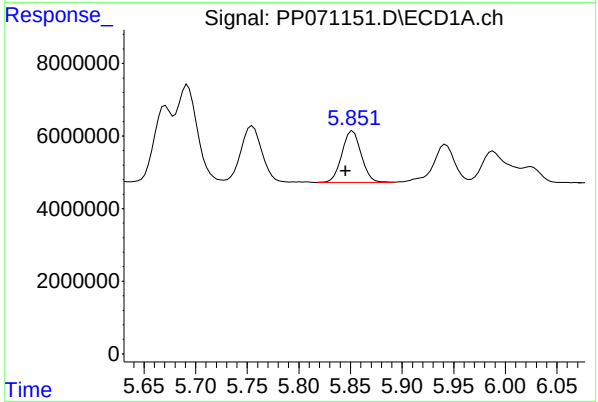
R.T.: 5.755 min
Delta R.T.: 0.007 min
Response: 22208174
Conc: 470.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



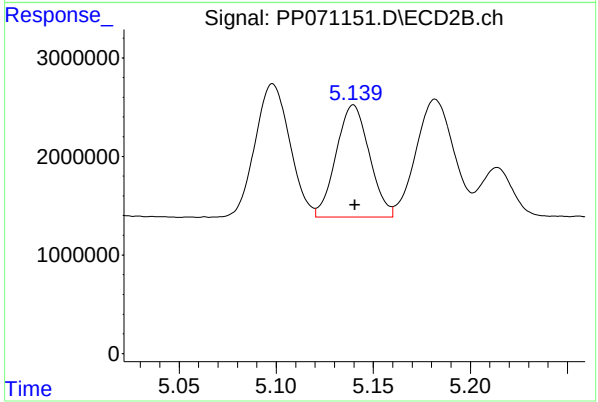

#5 AR-1016-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 16808495
Conc: 543.55 ng/ml



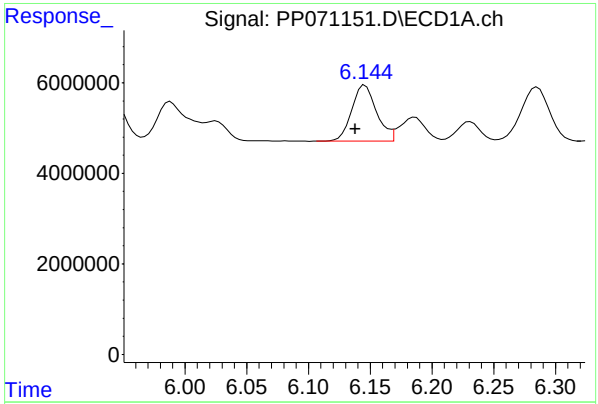

#6 AR-1016-4

R.T.: 5.852 min
Delta R.T.: 0.007 min
Response: 18590980
Conc: 505.80 ng/ml




#6 AR-1016-4

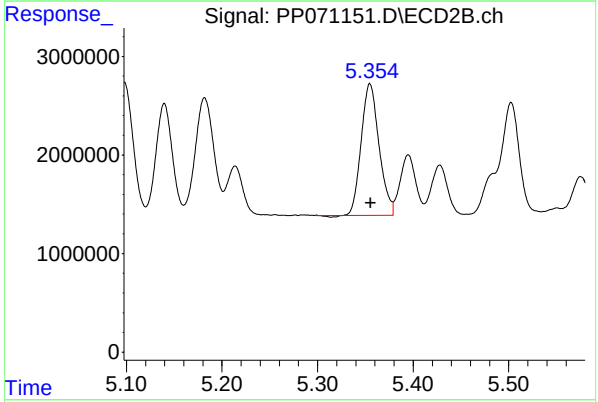
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 13547316
Conc: 556.22 ng/ml




#7 AR-1016-5

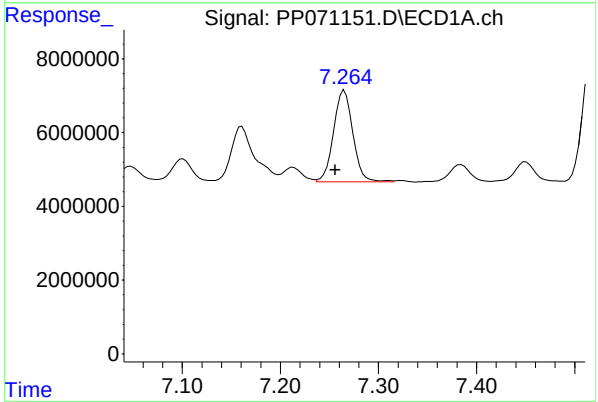
R.T.: 6.146 min
Delta R.T.: 0.008 min
Response: 17307697
Conc: 510.37 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



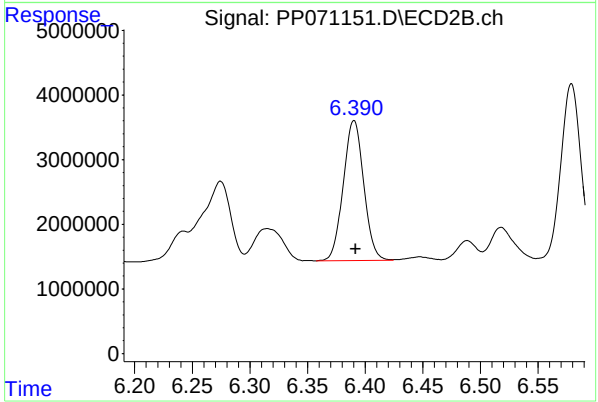

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 17313298
Conc: 535.66 ng/ml



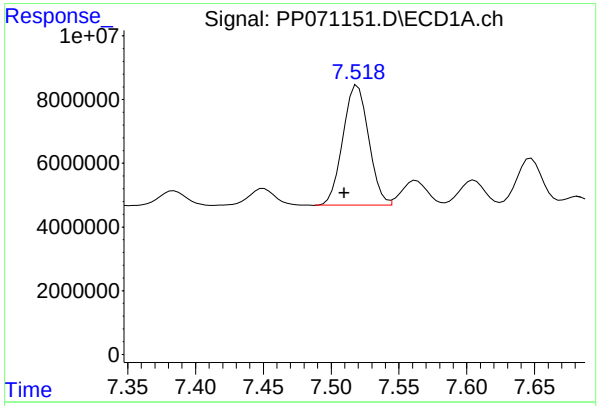

#31 AR-1260-1

R.T.: 7.265 min
Delta R.T.: 0.009 min
Response: 34122856
Conc: 508.14 ng/ml




#31 AR-1260-1

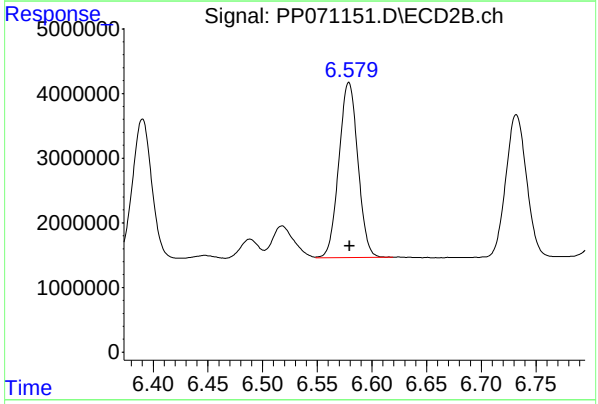
R.T.: 6.390 min
Delta R.T.: -0.002 min
Response: 26680779
Conc: 521.04 ng/ml




#32 AR-1260-2

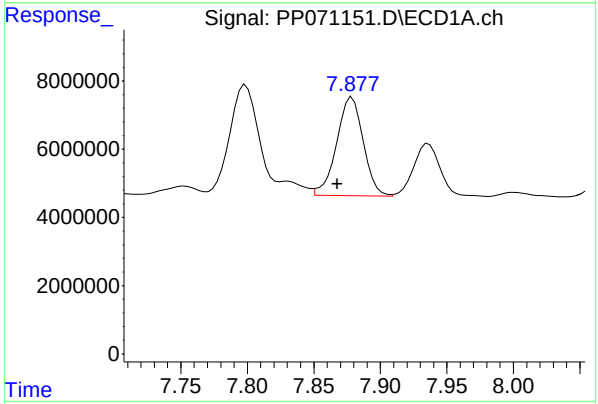
R.T.: 7.519 min
Delta R.T.: 0.010 min
Response: 49691070
Conc: 516.88 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



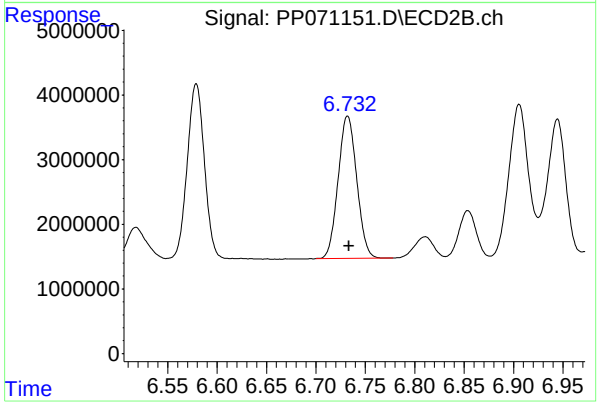

#32 AR-1260-2

R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 32819802
Conc: 514.47 ng/ml



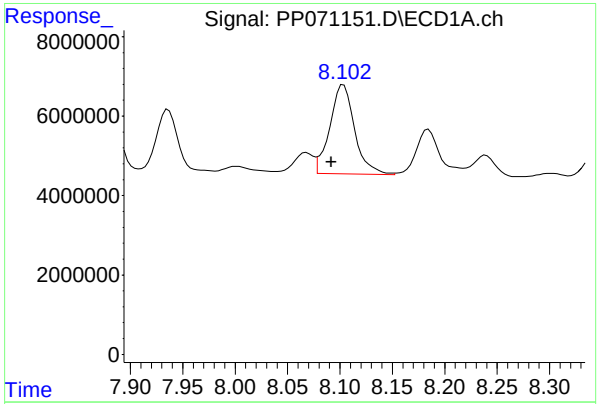

#33 AR-1260-3

R.T.: 7.879 min
Delta R.T.: 0.011 min
Response: 40293738
Conc: 504.19 ng/ml




#33 AR-1260-3

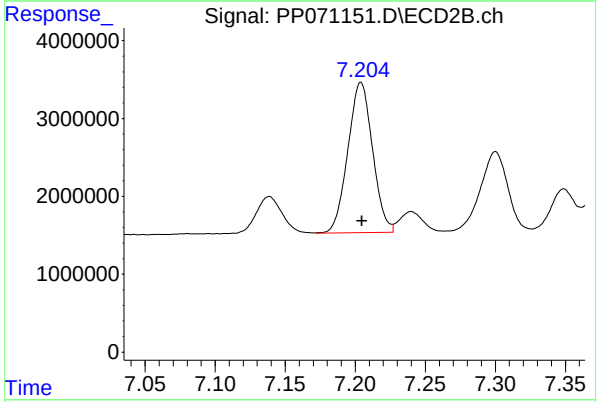
R.T.: 6.732 min
Delta R.T.: -0.002 min
Response: 28851540
Conc: 529.51 ng/ml




#34 AR-1260-4

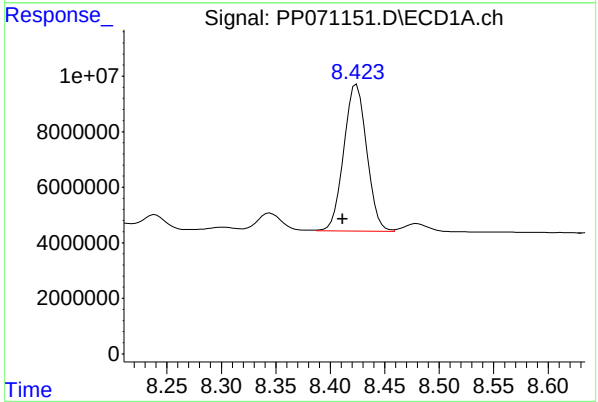
R.T.: 8.103 min
Delta R.T.: 0.012 min
Response: 37071987
Conc: 470.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



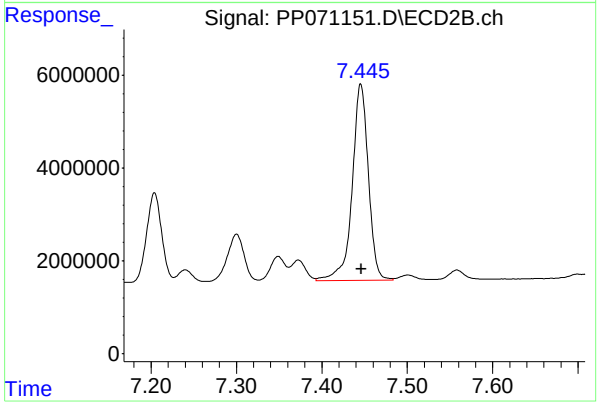

#34 AR-1260-4

R.T.: 7.204 min
Delta R.T.: 0.000 min
Response: 23646683
Conc: 494.43 ng/ml




#35 AR-1260-5

R.T.: 8.424 min
Delta R.T.: 0.013 min
Response: 77297206
Conc: 486.49 ng/ml




#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 55871530
Conc: 448.73 ng/ml

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

# Analytical Sequence

**Client:** Nobis Group **SDG No.:** Q1730

**Project:** Raymark Superfund Site **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/18/2025 03/18/2025

**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 | 03/18/2025 | 13:44 | PO109971.D | 8.74 | 3.69 |
| AR1660ICC1000 | AR1660ICC1000 | 03/18/2025 | 14:03 | PO109972.D | 8.75 | 3.69 |
| AR1660ICC750 | AR1660ICC750 | 03/18/2025 | 14:21 | PO109973.D | 8.75 | 3.69 |
| AR1660ICC500 | AR1660ICC500 | 03/18/2025 | 14:39 | PO109974.D | 8.75 | 3.69 |
| AR1660ICC250 | AR1660ICC250 | 03/18/2025 | 14:58 | PO109975.D | 8.75 | 3.69 |
| AR1660ICC050 | AR1660ICC050 | 03/18/2025 | 15:16 | PO109976.D | 8.74 | 3.69 |
| AR1221ICC500 | AR1221ICC500 | 03/18/2025 | 15:34 | PO109977.D | 8.74 | 3.69 |
| AR1232ICC500 | AR1232ICC500 | 03/18/2025 | 15:53 | PO109978.D | 8.74 | 3.69 |
| AR1242ICC1000 | AR1242ICC1000 | 03/18/2025 | 16:11 | PO109979.D | 8.74 | 3.69 |
| AR1242ICC750 | AR1242ICC750 | 03/18/2025 | 16:30 | PO109980.D | 8.74 | 3.69 |
| AR1242ICC500 | AR1242ICC500 | 03/18/2025 | 16:48 | PO109981.D | 8.74 | 3.69 |
| AR1242ICC250 | AR1242ICC250 | 03/18/2025 | 17:06 | PO109982.D | 8.74 | 3.69 |
| AR1242ICC050 | AR1242ICC050 | 03/18/2025 | 17:25 | PO109983.D | 8.74 | 3.69 |
| AR1248ICC1000 | AR1248ICC1000 | 03/18/2025 | 17:42 | PO109984.D | 8.74 | 3.69 |
| AR1248ICC750 | AR1248ICC750 | 03/18/2025 | 18:00 | PO109985.D | 8.74 | 3.69 |
| AR1248ICC500 | AR1248ICC500 | 03/18/2025 | 18:19 | PO109986.D | 8.74 | 3.69 |
| AR1248ICC250 | AR1248ICC250 | 03/18/2025 | 18:37 | PO109987.D | 8.74 | 3.69 |
| AR1248ICC050 | AR1248ICC050 | 03/18/2025 | 18:54 | PO109988.D | 8.74 | 3.69 |
| AR1254ICC1000 | AR1254ICC1000 | 03/18/2025 | 19:13 | PO109989.D | 8.74 | 3.69 |
| AR1254ICC750 | AR1254ICC750 | 03/18/2025 | 19:31 | PO109990.D | 8.74 | 3.69 |
| AR1254ICC500 | AR1254ICC500 | 03/18/2025 | 19:49 | PO109991.D | 8.74 | 3.69 |
| AR1254ICC250 | AR1254ICC250 | 03/18/2025 | 20:07 | PO109992.D | 8.74 | 3.69 |
| AR1254ICC050 | AR1254ICC050 | 03/18/2025 | 20:25 | PO109993.D | 8.74 | 3.69 |
| AR1262ICC500 | AR1262ICC500 | 03/18/2025 | 20:43 | PO109994.D | 8.74 | 3.69 |
| AR1268ICC1000 | AR1268ICC1000 | 03/18/2025 | 21:02 | PO109995.D | 8.74 | 3.69 |
| AR1268ICC750 | AR1268ICC750 | 03/18/2025 | 21:20 | PO109996.D | 8.74 | 3.69 |
| AR1268ICC500 | AR1268ICC500 | 03/18/2025 | 21:39 | PO109997.D | 8.74 | 3.69 |
| AR1268ICC250 | AR1268ICC250 | 03/18/2025 | 21:57 | PO109998.D | 8.74 | 3.69 |
| AR1268ICC050 | AR1268ICC050 | 03/18/2025 | 22:15 | PO109999.D | 8.74 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 09:46 | PO110263.D | 8.74 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 11:36 | PO110267.D | 8.74 | 3.69 |
| OU4-VSL-15-040325 | Q1730-01 | 04/07/2025 | 13:38 | PO110269.D | 8.74 | 3.69 |
| OU4-VSL-16-040325 | Q1730-03 | 04/07/2025 | 13:56 | PO110270.D | 8.74 | 3.69 |
| OU4-VSL-16-040325MS | Q1730-03MS | 04/07/2025 | 14:15 | PO110271.D | 8.74 | 3.69 |
| OU4-VSL-16-040325MSD | Q1730-03MSD | 04/07/2025 | 14:33 | PO110272.D | 8.74 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 17:14 | PO110278.D | 8.74 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 19:04 | PO110282.D | 8.74 | 3.69 |
| PB167469BL | PB167469BL | 04/07/2025 | 19:22 | PO110283.D | 8.74 | 3.69 |
| PB167469BS | PB167469BS | 04/07/2025 | 19:41 | PO110284.D | 8.74 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 21:27 | PO110286.D | 8.74 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 23:17 | PO110290.D | 8.74 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 09:08 | PO110292.D | 8.74 | 3.69 |

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

# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 04/08/2025 | 10:21 | PO110296.D | 8.74 | 3.69 |
| OU4-VSL-17-040325 | Q1730-05 | 04/08/2025 | 10:39 | PO110297.D | 8.74 | 3.69 |
| OU4-PCS-TC-21-040325 | Q1730-07 | 04/08/2025 | 10:58 | PO110298.D | 8.74 | 3.69 |
| OU4-PCS-TC-22-040325 | Q1730-09 | 04/08/2025 | 11:16 | PO110299.D | 8.74 | 3.69 |
| OU4-PCS-TC-23-040325 | Q1730-11 | 04/08/2025 | 11:35 | PO110300.D | 8.74 | 3.69 |
| OU4-PCS-TC-24-040325 | Q1730-13 | 04/08/2025 | 11:53 | PO110301.D | 8.74 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 12:58 | PO110302.D | 8.74 | 3.69 |
| I.BLK | I.BLK | 04/08/2025 | 14:12 | PO110306.D | 8.74 | 3.69 |
| I.BLK | I.BLK | 03/27/2025 | 10:14 | PP070916.D | 10.23 | 4.51 |
| AR1660ICC1000 | AR1660ICC1000 | 03/27/2025 | 10:30 | PP070917.D | 10.23 | 4.51 |
| AR1660ICC750 | AR1660ICC750 | 03/27/2025 | 10:47 | PP070918.D | 10.23 | 4.52 |
| AR1660ICC500 | AR1660ICC500 | 03/27/2025 | 11:03 | PP070919.D | 10.23 | 4.51 |
| AR1660ICC250 | AR1660ICC250 | 03/27/2025 | 11:19 | PP070920.D | 10.23 | 4.52 |
| AR1660ICC050 | AR1660ICC050 | 03/27/2025 | 11:35 | PP070921.D | 10.23 | 4.51 |
| AR1221ICC500 | AR1221ICC500 | 03/27/2025 | 11:52 | PP070922.D | 10.23 | 4.52 |
| AR1232ICC500 | AR1232ICC500 | 03/27/2025 | 12:11 | PP070923.D | 10.23 | 4.52 |
| AR1242ICC1000 | AR1242ICC1000 | 03/27/2025 | 12:28 | PP070924.D | 10.23 | 4.51 |
| AR1242ICC750 | AR1242ICC750 | 03/27/2025 | 12:44 | PP070925.D | 10.23 | 4.51 |
| AR1242ICC500 | AR1242ICC500 | 03/27/2025 | 13:00 | PP070926.D | 10.23 | 4.51 |
| AR1242ICC250 | AR1242ICC250 | 03/27/2025 | 13:16 | PP070927.D | 10.23 | 4.51 |
| AR1242ICC050 | AR1242ICC050 | 03/27/2025 | 13:33 | PP070928.D | 10.23 | 4.51 |
| AR1248ICC1000 | AR1248ICC1000 | 03/27/2025 | 13:49 | PP070929.D | 10.23 | 4.51 |
| AR1248ICC750 | AR1248ICC750 | 03/27/2025 | 14:05 | PP070930.D | 10.23 | 4.51 |
| AR1248ICC500 | AR1248ICC500 | 03/27/2025 | 14:22 | PP070931.D | 10.23 | 4.51 |
| AR1248ICC250 | AR1248ICC250 | 03/27/2025 | 14:38 | PP070932.D | 10.23 | 4.52 |
| AR1248ICC050 | AR1248ICC050 | 03/27/2025 | 14:55 | PP070933.D | 10.23 | 4.51 |
| AR1254ICC1000 | AR1254ICC1000 | 03/27/2025 | 15:11 | PP070934.D | 10.23 | 4.51 |
| AR1254ICC750 | AR1254ICC750 | 03/27/2025 | 15:27 | PP070935.D | 10.23 | 4.51 |
| AR1254ICC500 | AR1254ICC500 | 03/27/2025 | 15:43 | PP070936.D | 10.23 | 4.51 |
| AR1254ICC250 | AR1254ICC250 | 03/27/2025 | 16:00 | PP070937.D | 10.23 | 4.51 |
| AR1254ICC050 | AR1254ICC050 | 03/27/2025 | 16:16 | PP070938.D | 10.23 | 4.52 |
| AR1262ICC500 | AR1262ICC500 | 03/27/2025 | 16:32 | PP070939.D | 10.23 | 4.51 |
| AR1268ICC1000 | AR1268ICC1000 | 03/27/2025 | 16:48 | PP070940.D | 10.23 | 4.52 |
| AR1268ICC750 | AR1268ICC750 | 03/27/2025 | 17:05 | PP070941.D | 10.23 | 4.51 |
| AR1268ICC500 | AR1268ICC500 | 03/27/2025 | 17:21 | PP070942.D | 10.23 | 4.51 |
| AR1268ICC250 | AR1268ICC250 | 03/27/2025 | 17:37 | PP070943.D | 10.23 | 4.52 |
| AR1268ICC050 | AR1268ICC050 | 03/27/2025 | 17:53 | PP070944.D | 10.23 | 4.51 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 09:37 | PP071136.D | 10.26 | 4.52 |
| I.BLK | I.BLK | 04/08/2025 | 11:05 | PP071140.D | 10.25 | 4.52 |
| OU4-PCS-TC-25-040325 | Q1730-15 | 04/08/2025 | 11:39 | PP071142.D | 10.24 | 4.51 |
| OU4-PCS-TC-26-040325 | Q1730-17 | 04/08/2025 | 11:56 | PP071143.D | 10.25 | 4.52 |
| OU4-CF-15-040325 | Q1730-19 | 04/08/2025 | 12:12 | PP071144.D | 10.24 | 4.52 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 15:29 | PP071151.D | 10.24 | 4.52 |
| I.BLK | I.BLK | 04/08/2025 | 16:51 | PP071155.D | 10.24 | 4.52 |

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

# Analytical Sequence

**Client:** Nobis Group **SDG No.:** Q1730

**Project:** Raymark Superfund Site **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/18/2025 03/18/2025

**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 | 03/18/2025 | 13:44 | PO109971.D | 8.70 | 3.69 |
| AR1660ICC1000 | AR1660ICC1000 | 03/18/2025 | 14:03 | PO109972.D | 8.70 | 3.69 |
| AR1660ICC750 | AR1660ICC750 | 03/18/2025 | 14:21 | PO109973.D | 8.70 | 3.69 |
| AR1660ICC500 | AR1660ICC500 | 03/18/2025 | 14:39 | PO109974.D | 8.70 | 3.69 |
| AR1660ICC250 | AR1660ICC250 | 03/18/2025 | 14:58 | PO109975.D | 8.70 | 3.69 |
| AR1660ICC050 | AR1660ICC050 | 03/18/2025 | 15:16 | PO109976.D | 8.70 | 3.69 |
| AR1221ICC500 | AR1221ICC500 | 03/18/2025 | 15:34 | PO109977.D | 8.70 | 3.69 |
| AR1232ICC500 | AR1232ICC500 | 03/18/2025 | 15:53 | PO109978.D | 8.70 | 3.69 |
| AR1242ICC1000 | AR1242ICC1000 | 03/18/2025 | 16:11 | PO109979.D | 8.70 | 3.69 |
| AR1242ICC750 | AR1242ICC750 | 03/18/2025 | 16:30 | PO109980.D | 8.70 | 3.69 |
| AR1242ICC500 | AR1242ICC500 | 03/18/2025 | 16:48 | PO109981.D | 8.70 | 3.69 |
| AR1242ICC250 | AR1242ICC250 | 03/18/2025 | 17:06 | PO109982.D | 8.70 | 3.69 |
| AR1242ICC050 | AR1242ICC050 | 03/18/2025 | 17:25 | PO109983.D | 8.70 | 3.69 |
| AR1248ICC1000 | AR1248ICC1000 | 03/18/2025 | 17:42 | PO109984.D | 8.70 | 3.69 |
| AR1248ICC750 | AR1248ICC750 | 03/18/2025 | 18:00 | PO109985.D | 8.70 | 3.69 |
| AR1248ICC500 | AR1248ICC500 | 03/18/2025 | 18:19 | PO109986.D | 8.70 | 3.69 |
| AR1248ICC250 | AR1248ICC250 | 03/18/2025 | 18:37 | PO109987.D | 8.70 | 3.69 |
| AR1248ICC050 | AR1248ICC050 | 03/18/2025 | 18:54 | PO109988.D | 8.70 | 3.69 |
| AR1254ICC1000 | AR1254ICC1000 | 03/18/2025 | 19:13 | PO109989.D | 8.69 | 3.69 |
| AR1254ICC750 | AR1254ICC750 | 03/18/2025 | 19:31 | PO109990.D | 8.70 | 3.69 |
| AR1254ICC500 | AR1254ICC500 | 03/18/2025 | 19:49 | PO109991.D | 8.70 | 3.69 |
| AR1254ICC250 | AR1254ICC250 | 03/18/2025 | 20:07 | PO109992.D | 8.70 | 3.69 |
| AR1254ICC050 | AR1254ICC050 | 03/18/2025 | 20:25 | PO109993.D | 8.69 | 3.69 |
| AR1262ICC500 | AR1262ICC500 | 03/18/2025 | 20:43 | PO109994.D | 8.70 | 3.69 |
| AR1268ICC1000 | AR1268ICC1000 | 03/18/2025 | 21:02 | PO109995.D | 8.70 | 3.69 |
| AR1268ICC750 | AR1268ICC750 | 03/18/2025 | 21:20 | PO109996.D | 8.70 | 3.69 |
| AR1268ICC500 | AR1268ICC500 | 03/18/2025 | 21:39 | PO109997.D | 8.69 | 3.69 |
| AR1268ICC250 | AR1268ICC250 | 03/18/2025 | 21:57 | PO109998.D | 8.70 | 3.69 |
| AR1268ICC050 | AR1268ICC050 | 03/18/2025 | 22:15 | PO109999.D | 8.70 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 09:46 | PO110263.D | 8.69 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 11:36 | PO110267.D | 8.69 | 3.69 |
| OU4-VSL-15-040325 | Q1730-01 | 04/07/2025 | 13:38 | PO110269.D | 8.69 | 3.69 |
| OU4-VSL-16-040325 | Q1730-03 | 04/07/2025 | 13:56 | PO110270.D | 8.69 | 3.69 |
| OU4-VSL-16-040325MS | Q1730-03MS | 04/07/2025 | 14:15 | PO110271.D | 8.69 | 3.69 |
| OU4-VSL-16-040325MSD | Q1730-03MSD | 04/07/2025 | 14:33 | PO110272.D | 8.69 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 17:14 | PO110278.D | 8.69 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 19:04 | PO110282.D | 8.69 | 3.69 |
| PB167469BL | PB167469BL | 04/07/2025 | 19:22 | PO110283.D | 8.69 | 3.69 |
| PB167469BS | PB167469BS | 04/07/2025 | 19:41 | PO110284.D | 8.69 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/07/2025 | 21:27 | PO110286.D | 8.69 | 3.69 |
| I.BLK | I.BLK | 04/07/2025 | 23:17 | PO110290.D | 8.69 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 09:08 | PO110292.D | 8.69 | 3.69 |

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

# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 04/08/2025 | 10:21 | PO110296.D | 8.69 | 3.69 |
| OU4-VSL-17-040325 | Q1730-05 | 04/08/2025 | 10:39 | PO110297.D | 8.69 | 3.69 |
| OU4-PCS-TC-21-040325 | Q1730-07 | 04/08/2025 | 10:58 | PO110298.D | 8.69 | 3.69 |
| OU4-PCS-TC-22-040325 | Q1730-09 | 04/08/2025 | 11:16 | PO110299.D | 8.69 | 3.69 |
| OU4-PCS-TC-23-040325 | Q1730-11 | 04/08/2025 | 11:35 | PO110300.D | 8.69 | 3.69 |
| OU4-PCS-TC-24-040325 | Q1730-13 | 04/08/2025 | 11:53 | PO110301.D | 8.69 | 3.69 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 12:58 | PO110302.D | 8.69 | 3.69 |
| I.BLK | I.BLK | 04/08/2025 | 14:12 | PO110306.D | 8.69 | 3.69 |
| I.BLK | I.BLK | 03/27/2025 | 10:14 | PP070916.D | 8.86 | 3.82 |
| AR1660ICC1000 | AR1660ICC1000 | 03/27/2025 | 10:30 | PP070917.D | 8.86 | 3.82 |
| AR1660ICC750 | AR1660ICC750 | 03/27/2025 | 10:47 | PP070918.D | 8.86 | 3.82 |
| AR1660ICC500 | AR1660ICC500 | 03/27/2025 | 11:03 | PP070919.D | 8.86 | 3.82 |
| AR1660ICC250 | AR1660ICC250 | 03/27/2025 | 11:19 | PP070920.D | 8.86 | 3.82 |
| AR1660ICC050 | AR1660ICC050 | 03/27/2025 | 11:35 | PP070921.D | 8.86 | 3.82 |
| AR1221ICC500 | AR1221ICC500 | 03/27/2025 | 11:52 | PP070922.D | 8.86 | 3.82 |
| AR1232ICC500 | AR1232ICC500 | 03/27/2025 | 12:11 | PP070923.D | 8.86 | 3.82 |
| AR1242ICC1000 | AR1242ICC1000 | 03/27/2025 | 12:28 | PP070924.D | 8.86 | 3.82 |
| AR1242ICC750 | AR1242ICC750 | 03/27/2025 | 12:44 | PP070925.D | 8.86 | 3.82 |
| AR1242ICC500 | AR1242ICC500 | 03/27/2025 | 13:00 | PP070926.D | 8.86 | 3.82 |
| AR1242ICC250 | AR1242ICC250 | 03/27/2025 | 13:16 | PP070927.D | 8.86 | 3.82 |
| AR1242ICC050 | AR1242ICC050 | 03/27/2025 | 13:33 | PP070928.D | 8.86 | 3.82 |
| AR1248ICC1000 | AR1248ICC1000 | 03/27/2025 | 13:49 | PP070929.D | 8.86 | 3.82 |
| AR1248ICC750 | AR1248ICC750 | 03/27/2025 | 14:05 | PP070930.D | 8.86 | 3.82 |
| AR1248ICC500 | AR1248ICC500 | 03/27/2025 | 14:22 | PP070931.D | 8.86 | 3.82 |
| AR1248ICC250 | AR1248ICC250 | 03/27/2025 | 14:38 | PP070932.D | 8.86 | 3.82 |
| AR1248ICC050 | AR1248ICC050 | 03/27/2025 | 14:55 | PP070933.D | 8.86 | 3.82 |
| AR1254ICC1000 | AR1254ICC1000 | 03/27/2025 | 15:11 | PP070934.D | 8.86 | 3.82 |
| AR1254ICC750 | AR1254ICC750 | 03/27/2025 | 15:27 | PP070935.D | 8.86 | 3.82 |
| AR1254ICC500 | AR1254ICC500 | 03/27/2025 | 15:43 | PP070936.D | 8.86 | 3.82 |
| AR1254ICC250 | AR1254ICC250 | 03/27/2025 | 16:00 | PP070937.D | 8.86 | 3.82 |
| AR1254ICC050 | AR1254ICC050 | 03/27/2025 | 16:16 | PP070938.D | 8.86 | 3.82 |
| AR1262ICC500 | AR1262ICC500 | 03/27/2025 | 16:32 | PP070939.D | 8.86 | 3.82 |
| AR1268ICC1000 | AR1268ICC1000 | 03/27/2025 | 16:48 | PP070940.D | 8.86 | 3.82 |
| AR1268ICC750 | AR1268ICC750 | 03/27/2025 | 17:05 | PP070941.D | 8.86 | 3.82 |
| AR1268ICC500 | AR1268ICC500 | 03/27/2025 | 17:21 | PP070942.D | 8.86 | 3.82 |
| AR1268ICC250 | AR1268ICC250 | 03/27/2025 | 17:37 | PP070943.D | 8.86 | 3.82 |
| AR1268ICC050 | AR1268ICC050 | 03/27/2025 | 17:53 | PP070944.D | 8.86 | 3.82 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 09:37 | PP071136.D | 8.86 | 3.82 |
| I.BLK | I.BLK | 04/08/2025 | 11:05 | PP071140.D | 8.86 | 3.82 |
| OU4-PCS-TC-25-040325 | Q1730-15 | 04/08/2025 | 11:39 | PP071142.D | 8.86 | 3.82 |
| OU4-PCS-TC-26-040325 | Q1730-17 | 04/08/2025 | 11:56 | PP071143.D | 8.86 | 3.82 |
| OU4-CF-15-040325 | Q1730-19 | 04/08/2025 | 12:12 | PP071144.D | 8.86 | 3.82 |
| AR1660CCC500 | AR1660CCC500 | 04/08/2025 | 15:29 | PP071151.D | 8.86 | 3.82 |
| I.BLK | I.BLK | 04/08/2025 | 16:51 | PP071155.D | 8.86 | 3.82 |

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

# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-16-040325MS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: Q1730-03MS Date(s) Analyzed: 04/07/2025 04/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO110271.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.782 | 4.732 | 4.832 | 171 | | |
| | 2 | 4.802 | 4.752 | 4.852 | 172 | | |
| | 3 | 4.858 | 4.808 | 4.908 | 172 | | |
| COLUMN 1 | 4 | 4.978 | 4.928 | 5.028 | 171 | | |
| | 5 | 5.236 | 5.186 | 5.286 | 163 | 170 | |
| | 1 | 4.768 | 4.718 | 4.818 | 166 | | |
| | 2 | 4.787 | 4.737 | 4.837 | 166 | | |
| | 3 | 4.963 | 4.913 | 5.013 | 166 | | |
| | 4 | 5.005 | 4.955 | 5.055 | 163 | | |
| COLUMN 2 | 5 | 5.218 | 5.168 | 5.268 | 159 | 164 | 3.59 |
| Aroclor-1260 | 1 | 6.276 | 6.226 | 6.326 | 178 | | |
| | 2 | 6.466 | 6.416 | 6.516 | 169 | | |
| | 3 | 6.833 | 6.783 | 6.883 | 144 | | |
| COLUMN 1 | 4 | 7.094 | 7.044 | 7.144 | 152 | | |
| | 5 | 7.335 | 7.285 | 7.385 | 141 | 157 | |
| | 1 | 6.25 | 6.2 | 6.3 | 164 | | |
| | 2 | 6.438 | 6.388 | 6.488 | 160 | | |
| | 3 | 6.591 | 6.541 | 6.641 | 155 | | |
| | 4 | 7.062 | 7.012 | 7.112 | 142 | | |
| COLUMN 2 | 5 | 7.303 | 7.253 | 7.353 | 133 | 151 | 3.9 |

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**IDENTIFICATION SUMMARY**
**FOR MULTICOMPONENT ANALYTES**

SAMPLE NO.
OU4-VSL-16-040325MSI

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: Q1730-03MSD Date(s) Analyzed: 04/07/2025 04/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO110272.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.782 | 4.732 | 4.832 | 163 | | |
| | 2 | 4.801 | 4.751 | 4.851 | 167 | | |
| | 3 | 4.857 | 4.807 | 4.907 | 167 | | |
| COLUMN 1 | 4 | 4.978 | 4.928 | 5.028 | 166 | | |
| | 5 | 5.235 | 5.185 | 5.285 | 159 | 164 | |
| | 1 | 4.768 | 4.718 | 4.818 | 159 | | |
| | 2 | 4.788 | 4.738 | 4.838 | 160 | | |
| | 3 | 4.963 | 4.913 | 5.013 | 160 | | |
| | 4 | 5.005 | 4.955 | 5.055 | 157 | | |
| COLUMN 2 | 5 | 5.217 | 5.167 | 5.267 | 154 | 158 | 3.73 |
| Aroclor-1260 | 1 | 6.276 | 6.226 | 6.326 | 169 | | |
| | 2 | 6.466 | 6.416 | 6.516 | 163 | | |
| | 3 | 6.833 | 6.783 | 6.883 | 143 | | |
| COLUMN 1 | 4 | 7.093 | 7.043 | 7.143 | 150 | | |
| | 5 | 7.335 | 7.285 | 7.385 | 138 | 153 | |
| | 1 | 6.25 | 6.2 | 6.3 | 159 | | |
| | 2 | 6.438 | 6.388 | 6.488 | 156 | | |
| | 3 | 6.59 | 6.54 | 6.64 | 150 | | |
| | 4 | 7.061 | 7.011 | 7.111 | 138 | | |
| COLUMN 2 | 5 | 7.302 | 7.252 | 7.352 | 129 | 146 | 4.68 |

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# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167469BS

Contract: NOBI03

Lab Code: CHEM Case No.: Q1730 SAS No.: Q1730 SDG NO.: Q1730

Lab Sample ID: PB167469BS Date(s) Analyzed: 04/07/2025 04/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO110284.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 4.782 | 4.732 | 4.832 | 141 | | |
| | 2 | 4.802 | 4.752 | 4.852 | 143 | | |
| | 3 | 4.858 | 4.808 | 4.908 | 142 | | |
| COLUMN 1 | 4 | 4.978 | 4.928 | 5.028 | 142 | | |
| | 5 | 5.236 | 5.186 | 5.286 | 138 | 141 | |
| | 1 | 4.769 | 4.719 | 4.819 | 136 | | |
| | 2 | 4.788 | 4.738 | 4.838 | 134 | | |
| | 3 | 4.964 | 4.914 | 5.014 | 136 | | |
| | 4 | 5.005 | 4.955 | 5.055 | 135 | | |
| COLUMN 2 | 5 | 5.218 | 5.168 | 5.268 | 131 | 134 | 5.09 |
| Aroclor-1260 | 1 | 6.277 | 6.227 | 6.327 | 149 | | |
| | 2 | 6.465 | 6.415 | 6.515 | 141 | | |
| | 3 | 6.833 | 6.783 | 6.883 | 119 | | |
| COLUMN 1 | 4 | 7.093 | 7.043 | 7.143 | 131 | | |
| | 5 | 7.336 | 7.286 | 7.386 | 129 | 134 | |
| | 1 | 6.25 | 6.2 | 6.3 | 140 | | |
| | 2 | 6.438 | 6.388 | 6.488 | 138 | | |
| | 3 | 6.59 | 6.54 | 6.64 | 133 | | |
| | 4 | 7.062 | 7.012 | 7.112 | 119 | | |
| COLUMN 2 | 5 | 7.303 | 7.253 | 7.353 | 113 | 128 | 4.58 |

# QC SAMPLE DATA

Raw Data: **PO110283.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | Nobis Group | | Date Collected: | | |
| Project: | Raymark Superfund Site | | Date Received: | | |
| Client Sample ID: | PB167469BL | | SDG No.: | Q1730 | |
| Lab Sample ID: | PB167469BL | | 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 | |
| Extraction Type: | | | Injection Volume : | | |
| GPC Factor : | 1.0 | PH : | | | |
| Prep Method : | SW3541B | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110283.D | 1 | 04/07/25 08:20 | 04/07/25 19:22 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 8.30 | U | 3.90 | 8.30 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.0 | U | 4.00 | 13.0 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.30 | U | 3.70 | 8.30 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.30 | U | 4.00 | 8.30 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.0 | U | 5.90 | 13.0 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.30 | U | 3.20 | 8.30 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.0 | U | 5.00 | 13.0 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.30 | U | 3.60 | 8.30 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 8.30 | U | 3.20 | 8.30 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.0 | | 44 - 130 | | 95% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.3 | | 60 - 125 | | 86% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110283.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:22
Operator : YP/AJ
Sample : PB167469BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:35:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 173.1E6 | 95749355 | 19.020 | 18.259 |
| 2) | SA Decachlor... | 8.741 | 8.691 | 133.0E6 | 38862706 | 17.297 | 16.019 |
| | Target Compounds | | | | | | |

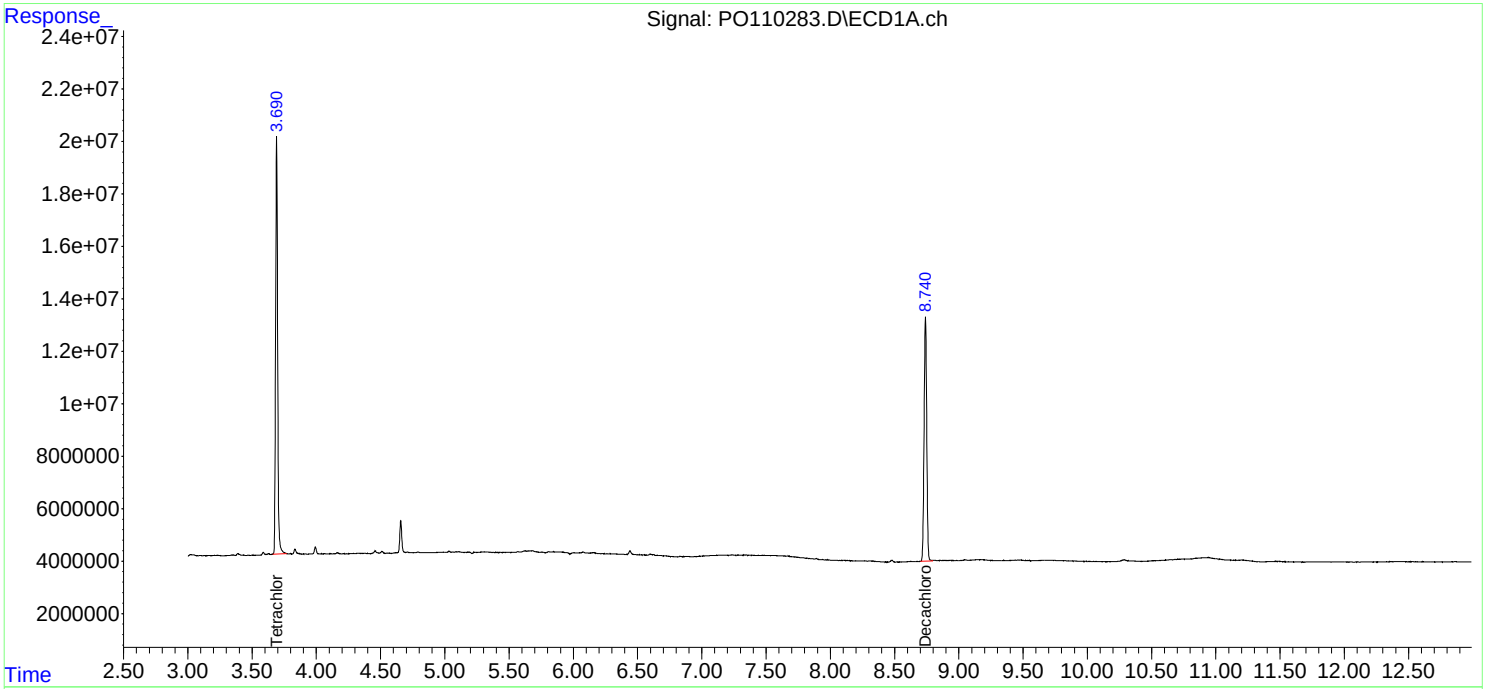
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

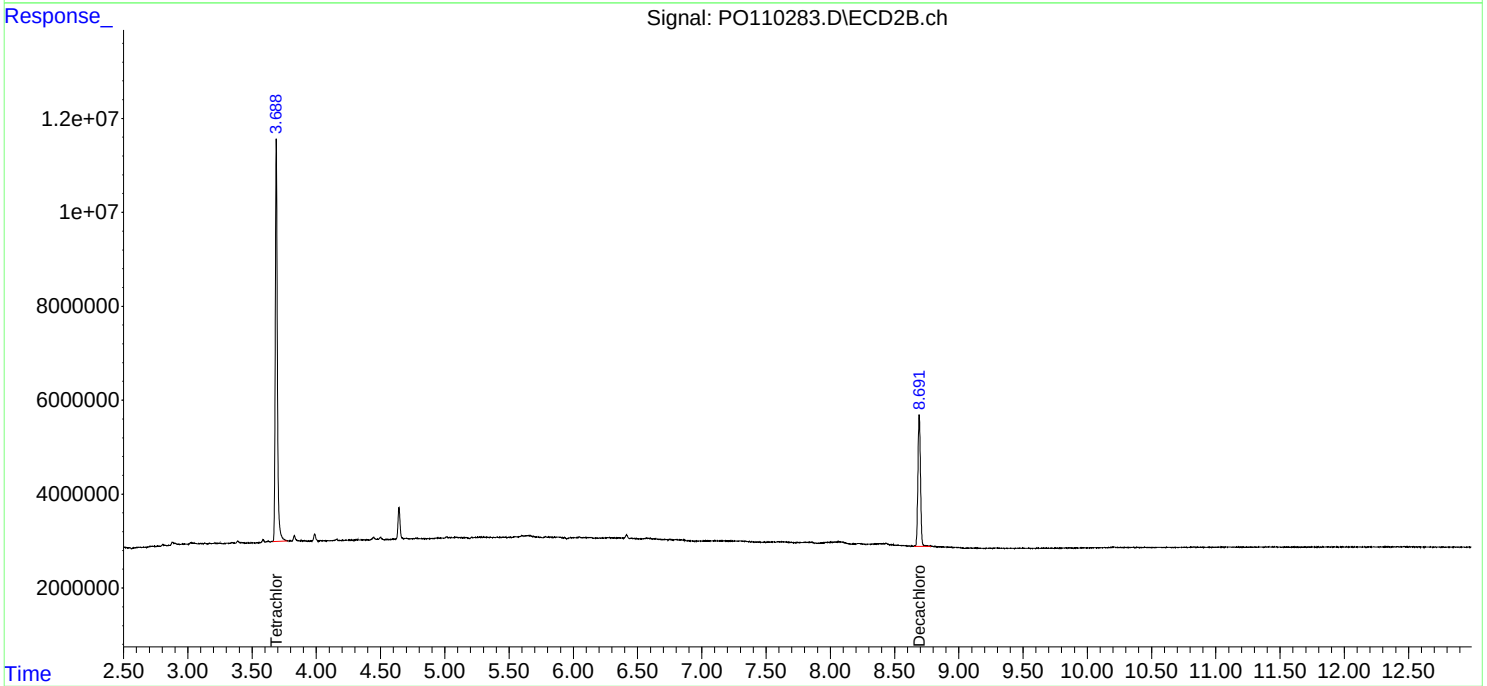
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:22
Operator : YP/AJ
Sample : PB167469BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

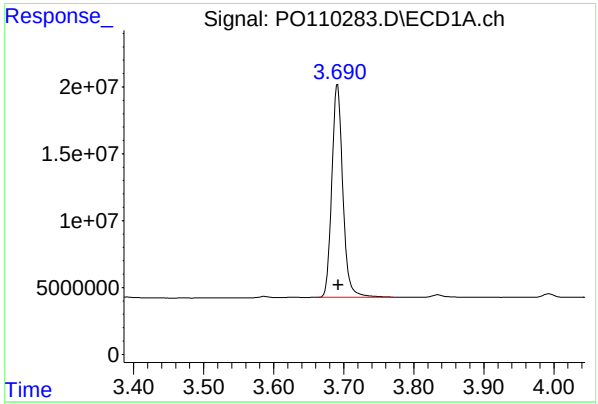
**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:35:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



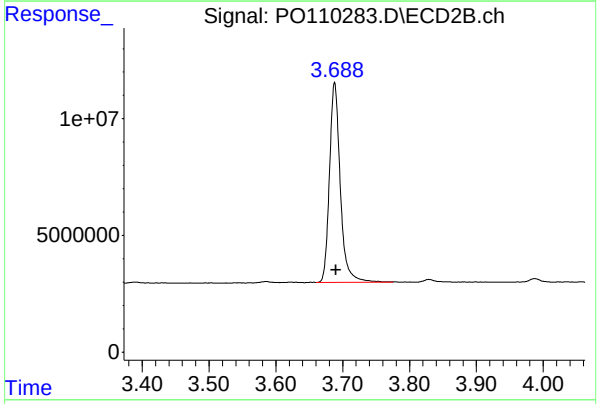






#1 Tetrachloro-m-xylene

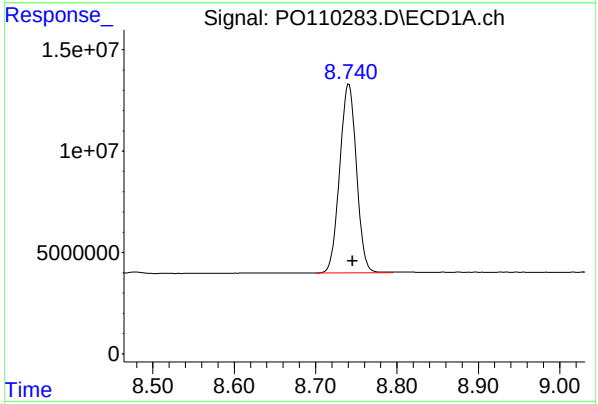
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 173109300
Conc: 19.02 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BL



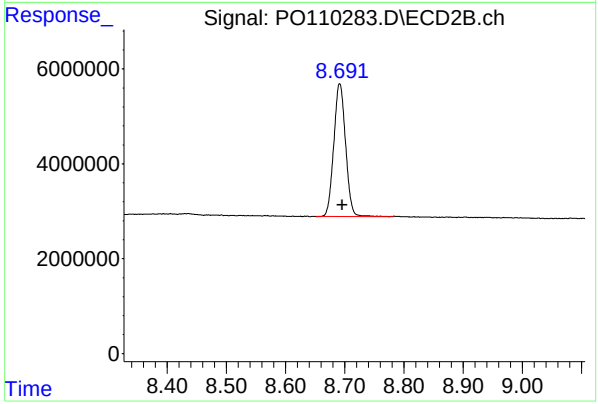

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 95749355
Conc: 18.26 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.741 min
Delta R.T.: -0.005 min
Response: 132989663
Conc: 17.30 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 38862706
Conc: 16.02 ng/ml

Raw Data: **PO109971.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 03/18/25 |
| Project: | Raymark Superfund Site | Date Received: | 03/18/25 |
| Client Sample ID: | PIBLK-PO109971.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO109971.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO109971.D | 1 | | 03/18/25 | PO031925 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.5 | | 60 - 140 | | 93% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.0 | | 60 - 140 | | 100% | 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_O\Data\PO031925\
Data File : PO109971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 13:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 03:44:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 168.3E6 | 97603621 | 18.495 | 18.612 |
| 2) | SA Decachlor... | 8.744 | 8.695 | 153.9E6 | 51783076 | 20.014 | 21.344 |
| | Target Compounds | | | | | | |

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

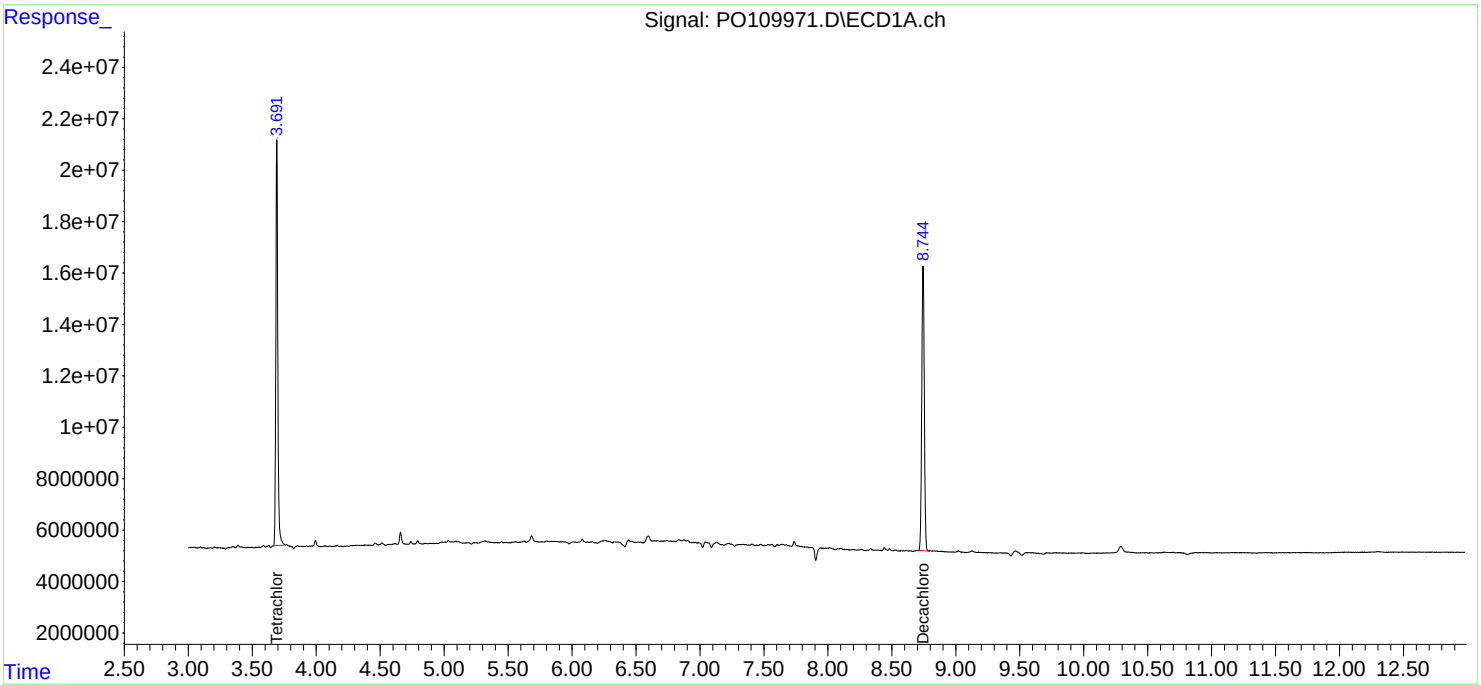
Sample Results: **PO109971.D**

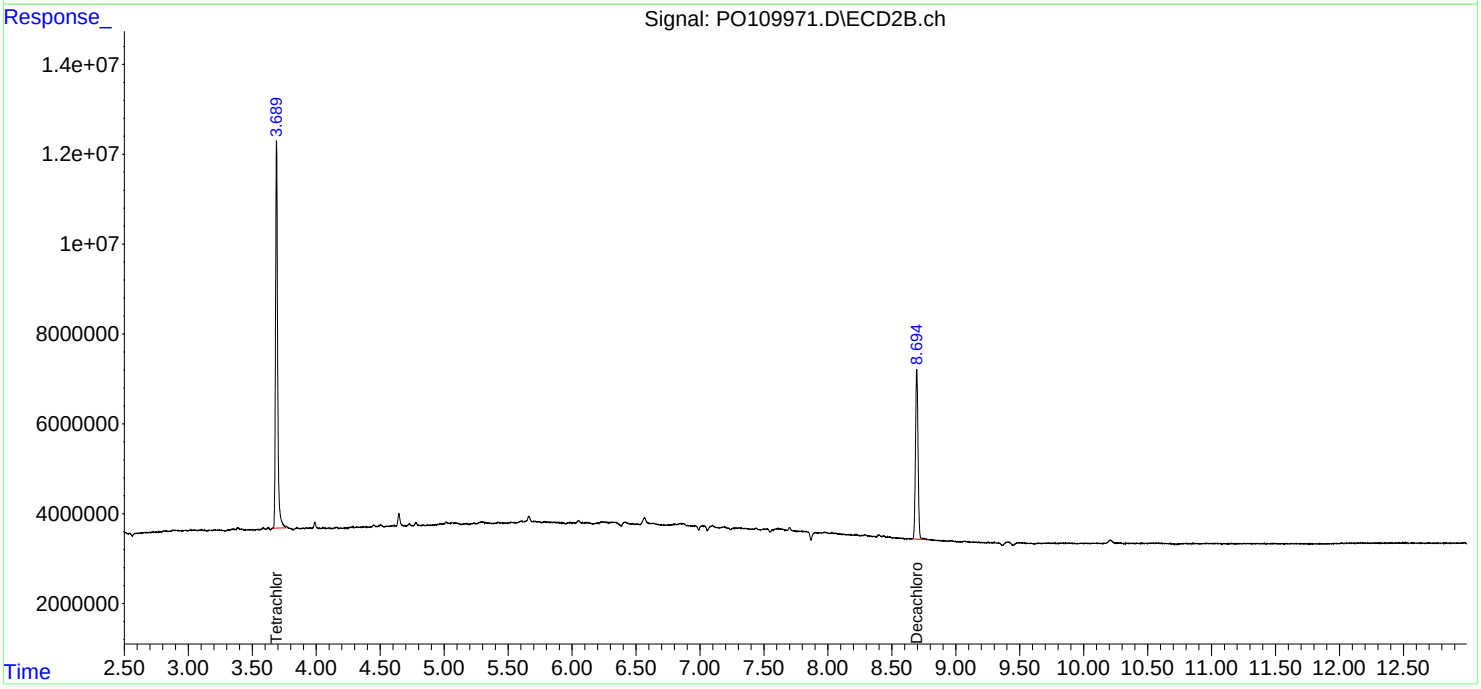
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109971.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 13:44
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

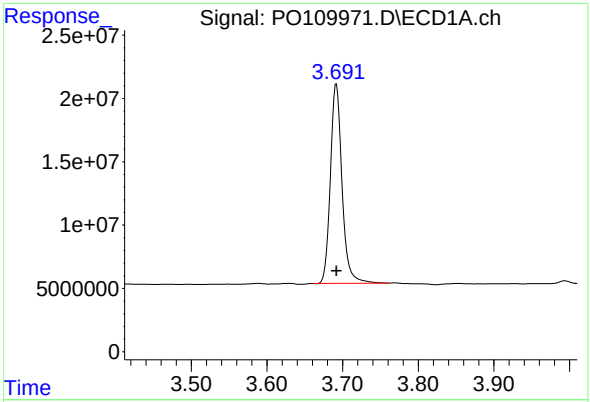
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 03:44:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



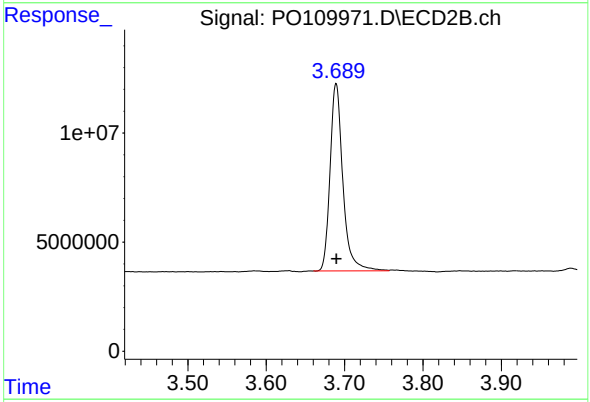






#1 Tetrachloro-m-xylene

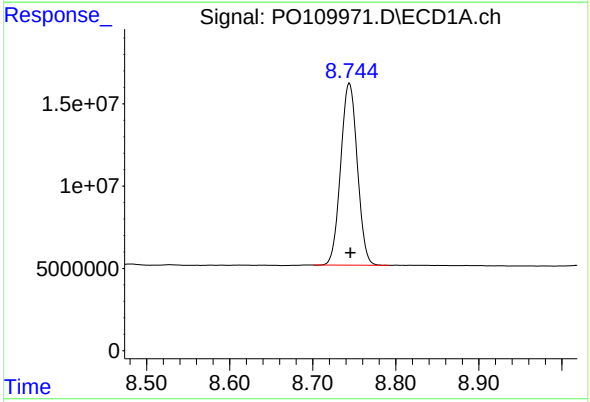
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 168336707
Conc: 18.50 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



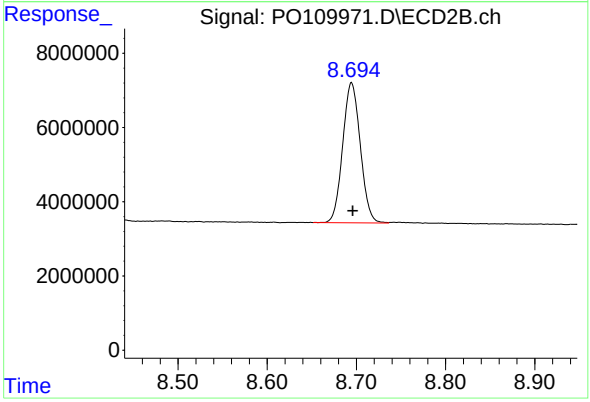

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 97603621
Conc: 18.61 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: -0.001 min
Response: 153882781
Conc: 20.01 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.695 min
Delta R.T.: -0.001 min
Response: 51783076
Conc: 21.34 ng/ml

Raw Data: **PO110267.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/07/25 |
| Client Sample ID: | PIBLK-PO110267.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO110267.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110267.D | 1 | | 04/07/25 | PO040725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.8 | | 60 - 140 | | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 15.9 | | 60 - 140 | | 79% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110267.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 11:36
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 12:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.689 | 3.687 | 177.4E6 | 98699299 | 19.494 | 18.821 |
| 2) | SA Decachlor... | 8.737 | 8.690 | 141.7E6 | 38504154 | 18.426 | 15.871 |
| | Target Compounds | | | | | | |

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

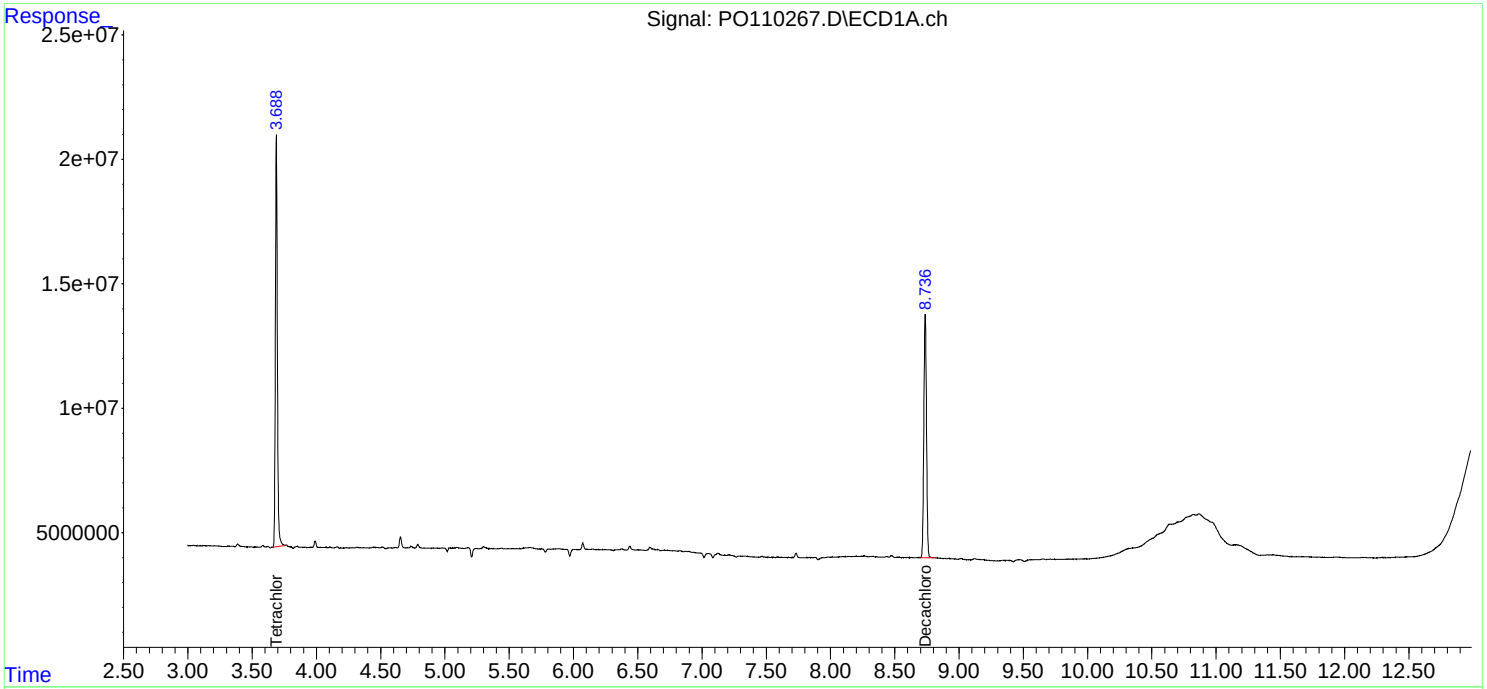
Sample Results: **PO110267.D**

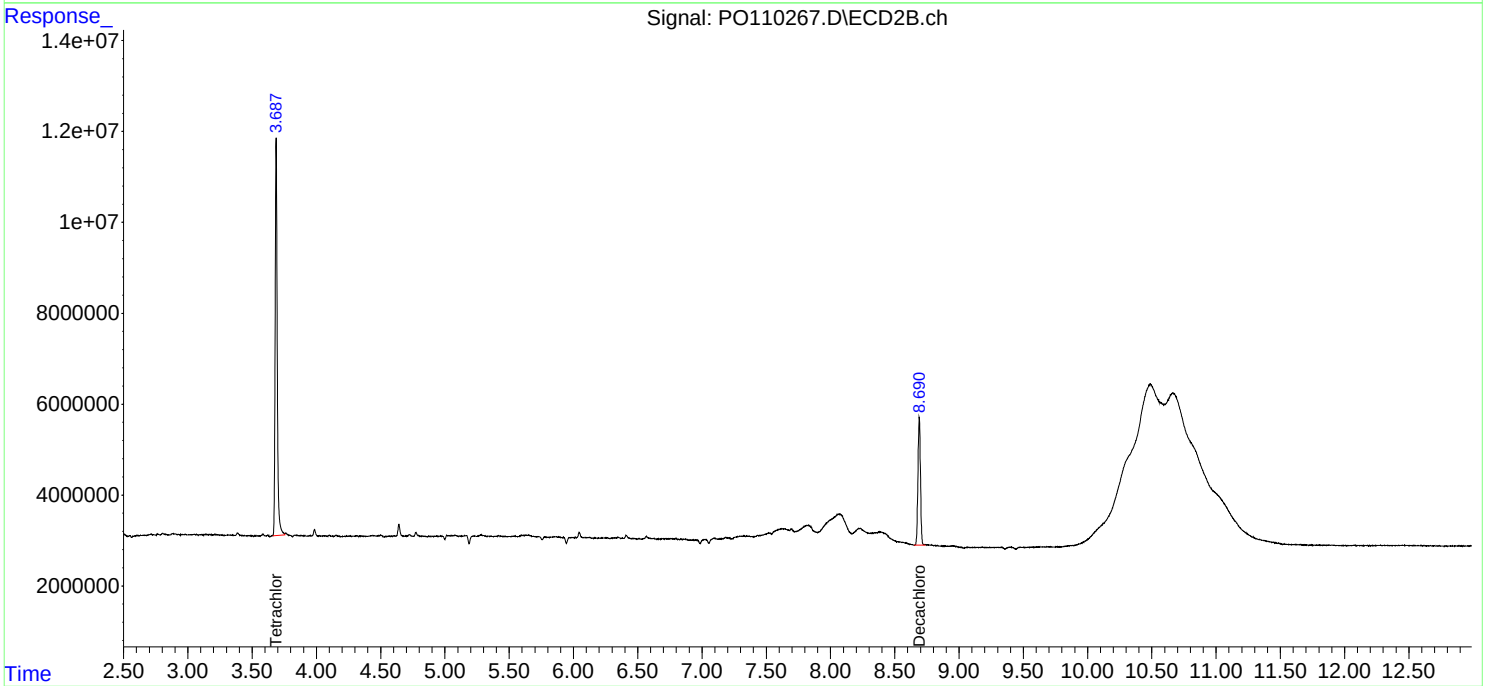
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110267.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 11:36
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

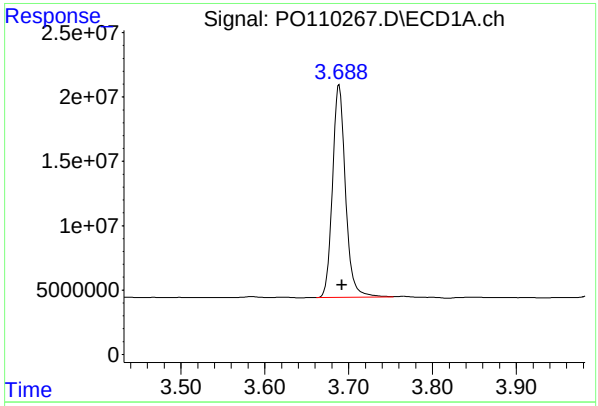
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 12:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



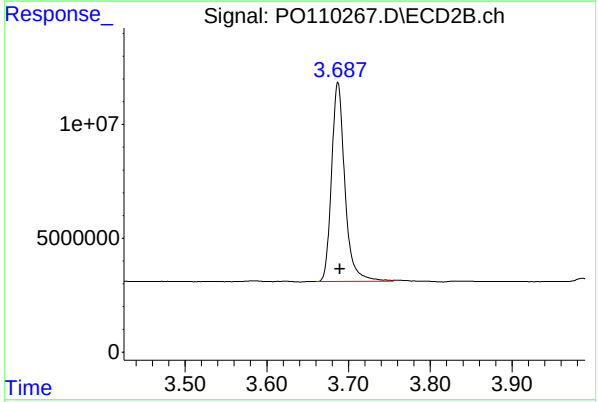






#1 Tetrachloro-m-xylene

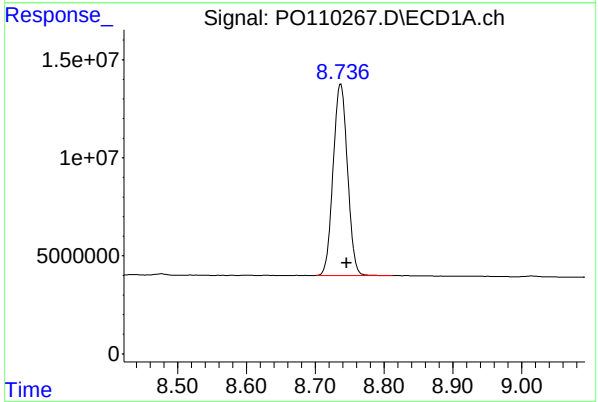
R.T.: 3.689 min
Delta R.T.: -0.003 min
Response: 177426113
Conc: 19.49 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



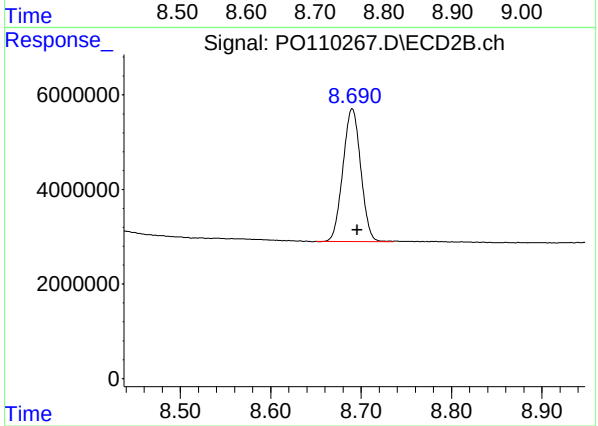

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 98699299
Conc: 18.82 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.737 min
Delta R.T.: -0.008 min
Response: 141670453
Conc: 18.43 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.690 min
Delta R.T.: -0.006 min
Response: 38504154
Conc: 15.87 ng/ml

Raw Data: **PO110282.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/07/25 |
| Client Sample ID: | PIBLK-PO110282.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO110282.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110282.D | 1 | | 04/07/25 | PO040725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.8 | | 60 - 140 | | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.2 | | 60 - 140 | | 81% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110282.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:35:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 176.0E6 | 98785740 | 19.334 | 18.838 |
| 2) | SA Decachlor... | 8.740 | 8.692 | 132.1E6 | 39381036 | 17.185 | 16.232 |
| | Target Compounds | | | | | | |

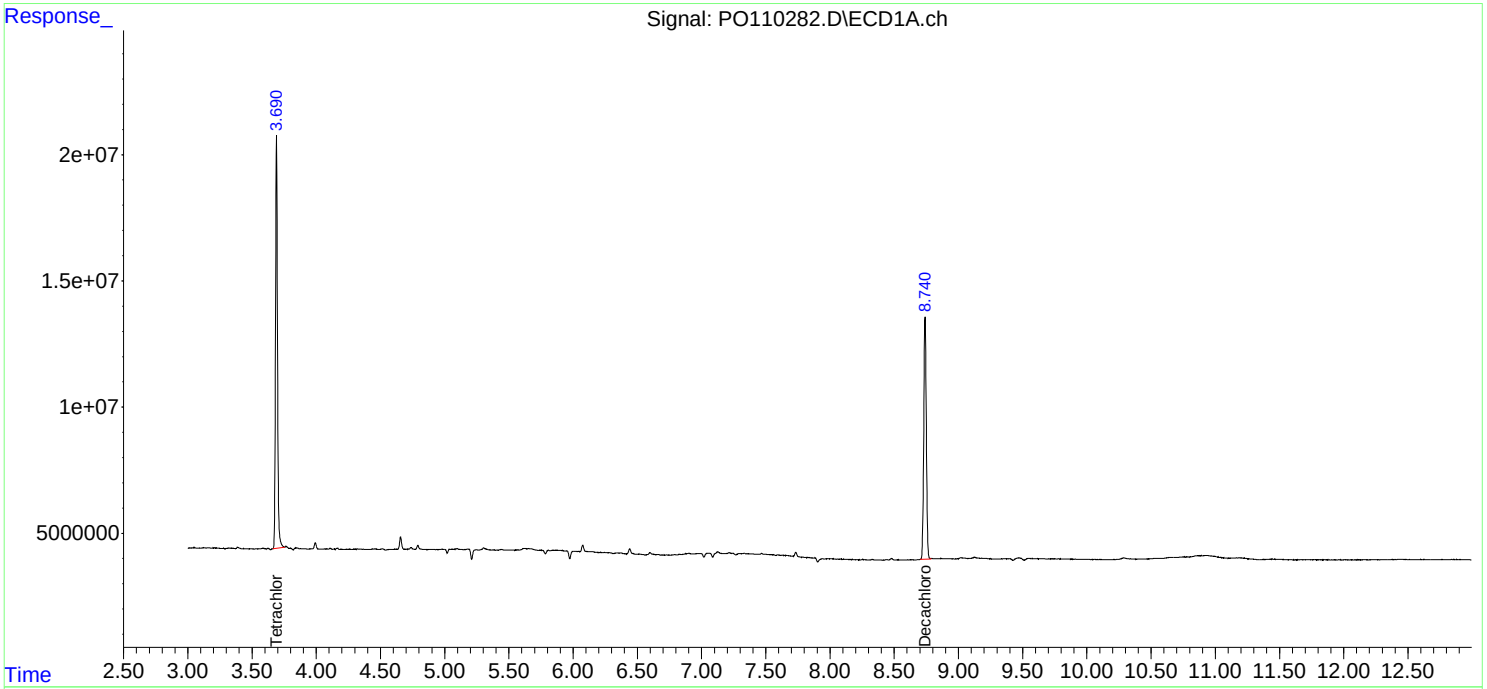
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

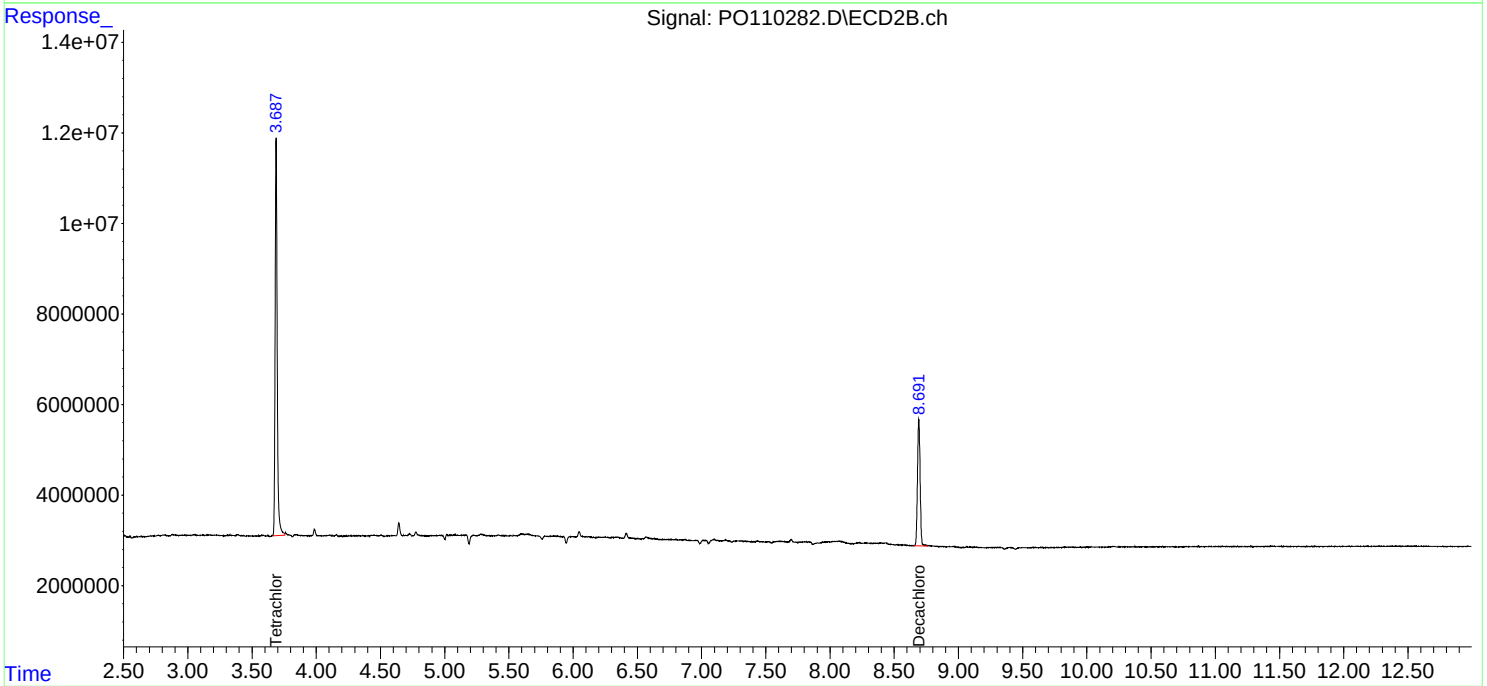
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110282.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:04
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

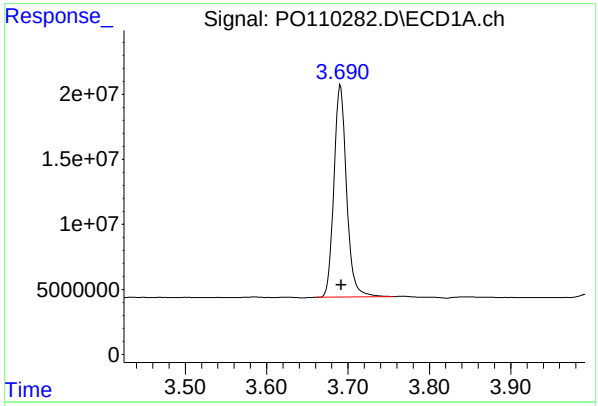
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:35:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



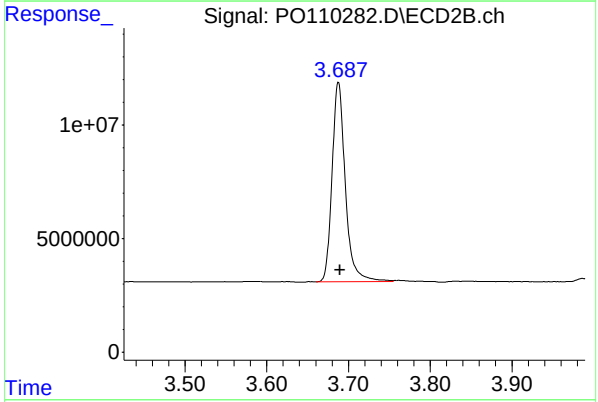






#1 Tetrachloro-m-xylene

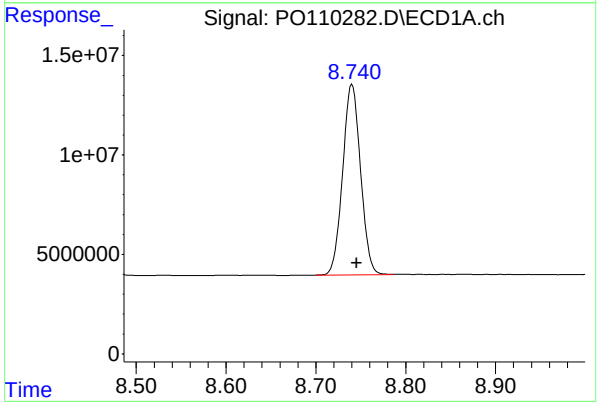
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 175966498
Conc: 19.33 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



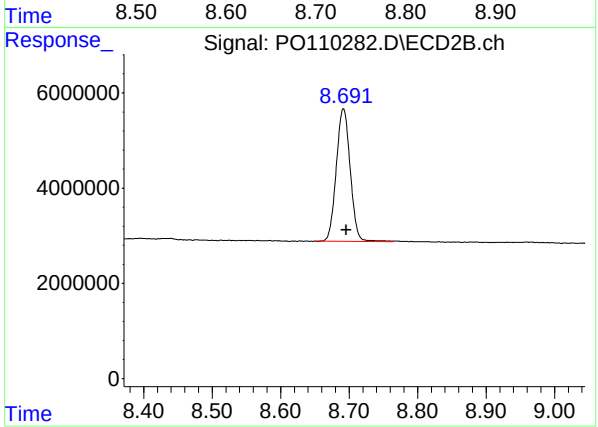

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 98785740
Conc: 18.84 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 132132646
Conc: 17.19 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 39381036
Conc: 16.23 ng/ml

Raw Data: **PO110290.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/07/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/07/25 |
| Client Sample ID: | PIBLK-PO110290.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO110290.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110290.D | 1 | | 04/07/25 | PO040725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.9 | | 60 - 140 | | 94% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.2 | | 60 - 140 | | 81% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110290.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 23:17
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:38:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.687 | 177.5E6 | 98959783 | 19.499 | 18.871 |
| 2) | SA Decachlor... | 8.742 | 8.692 | 136.3E6 | 39361941 | 17.725 | 16.224 |
| | Target Compounds | | | | | | |

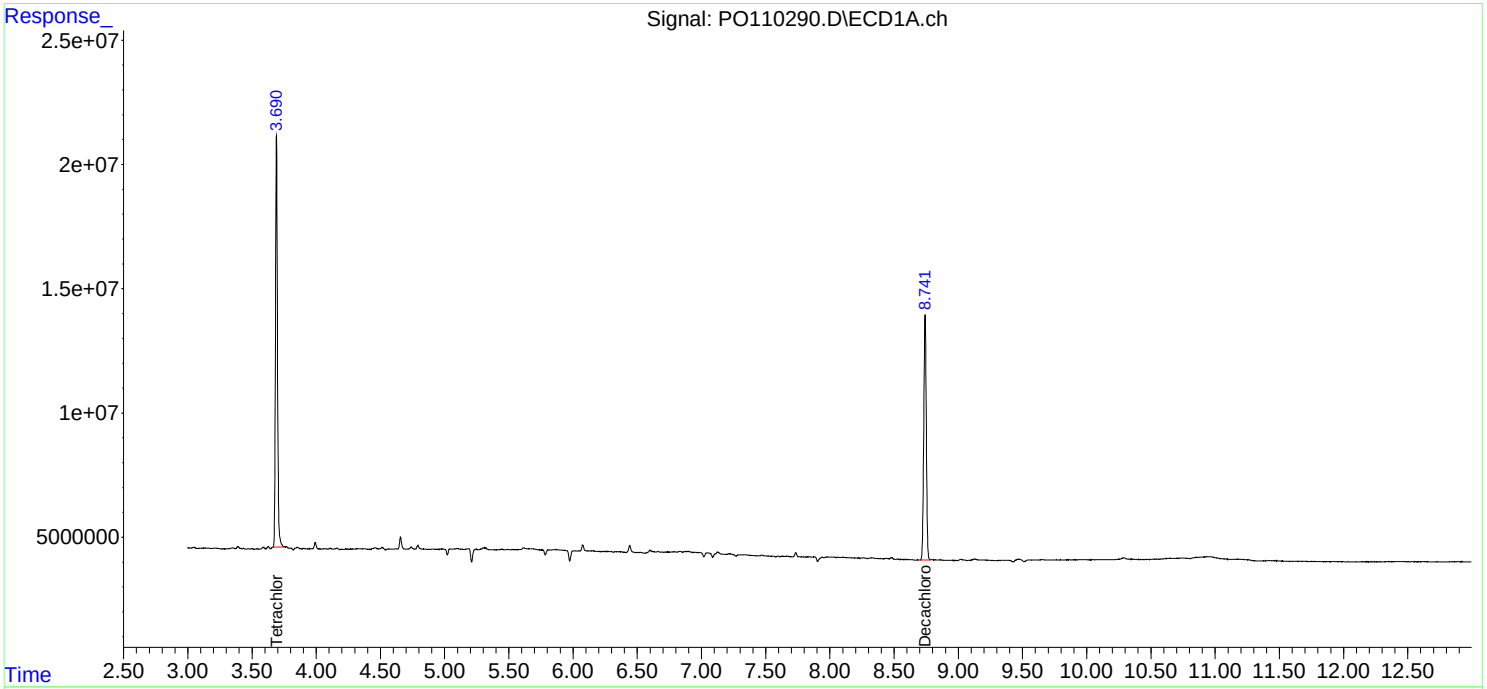
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

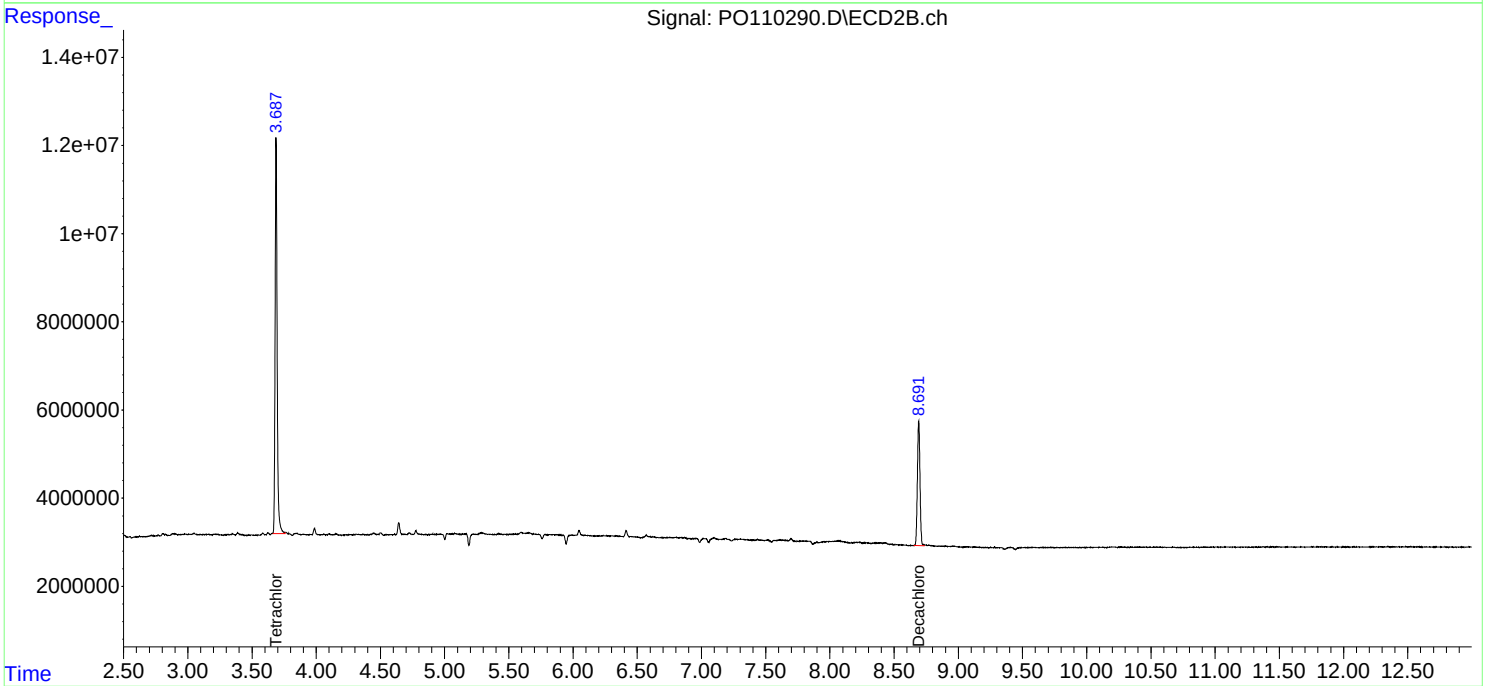
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110290.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 23:17
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

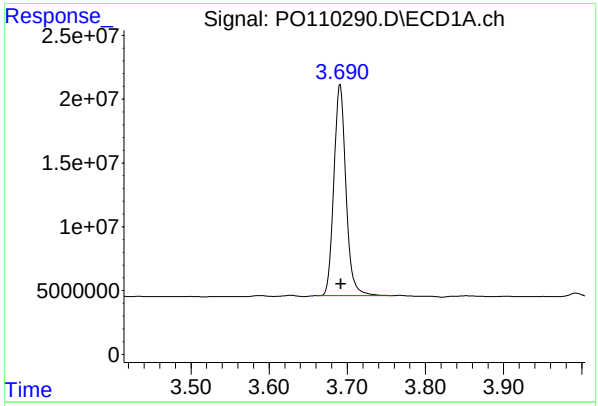
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:38:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



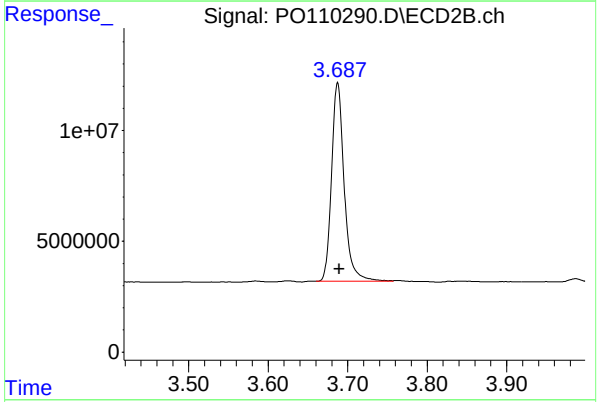






#1 Tetrachloro-m-xylene

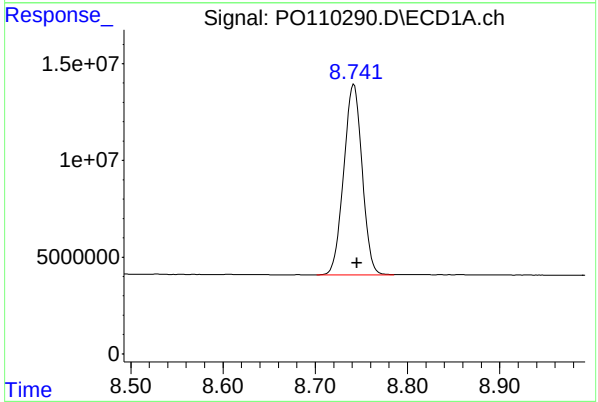
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 177471328
Conc: 19.50 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



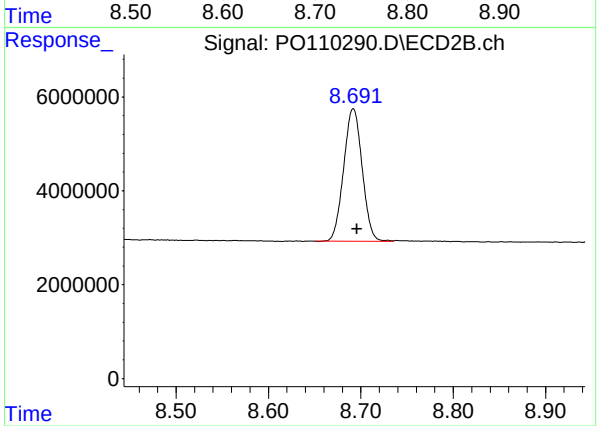

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 98959783
Conc: 18.87 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.004 min
Response: 136281296
Conc: 17.72 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.692 min
Delta R.T.: -0.004 min
Response: 39361941
Conc: 16.22 ng/ml

Raw Data: **PO110296.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/08/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/08/25 |
| Client Sample ID: | PIBLK-PO110296.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO110296.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110296.D | 1 | | 04/08/25 | PO040825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.7 | | 60 - 140 | | 89% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 15.4 | | 60 - 140 | | 77% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110296.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:21
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.688 | 3.687 | 169.9E6 | 93006368 | 18.670 | 17.735 |
| 2) | SA Decachlor... | 8.738 | 8.690 | 136.7E6 | 37456258 | 17.778 | 15.439 |
| | Target Compounds | | | | | | |

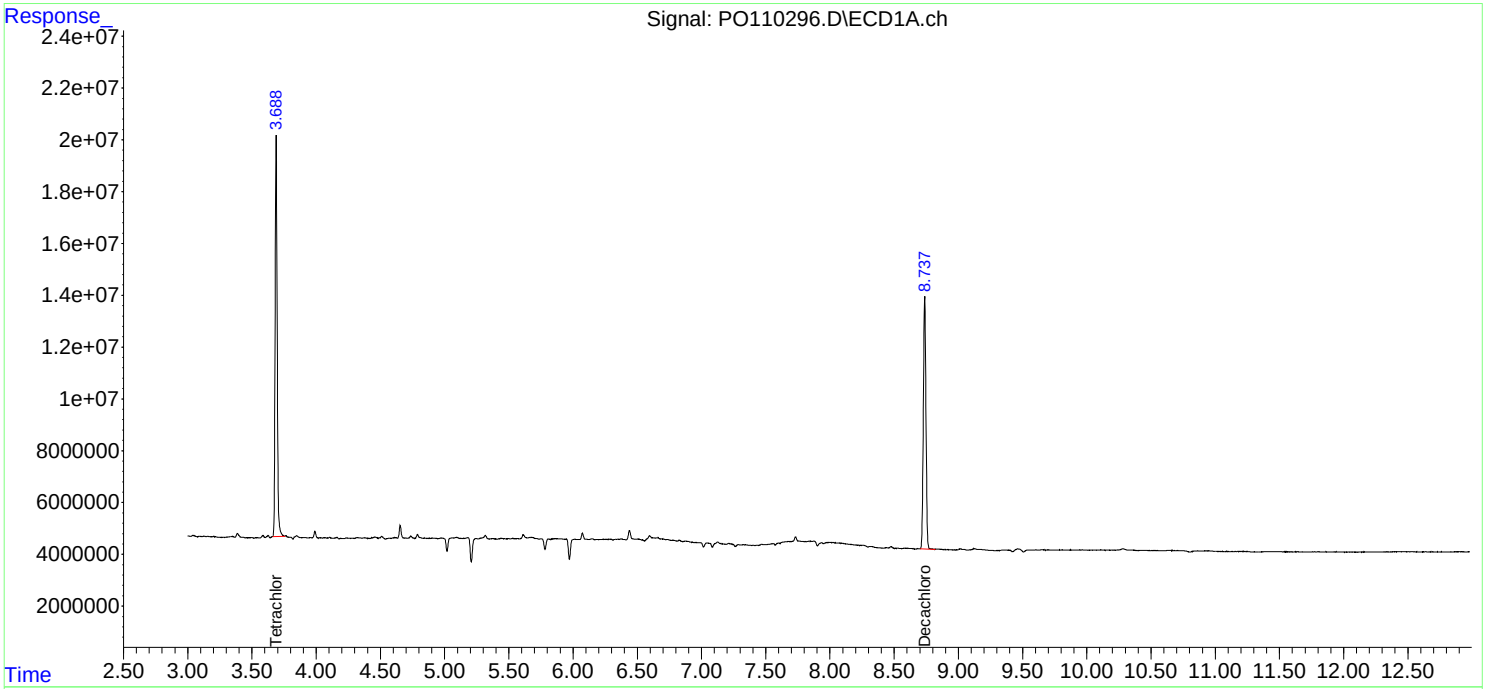
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

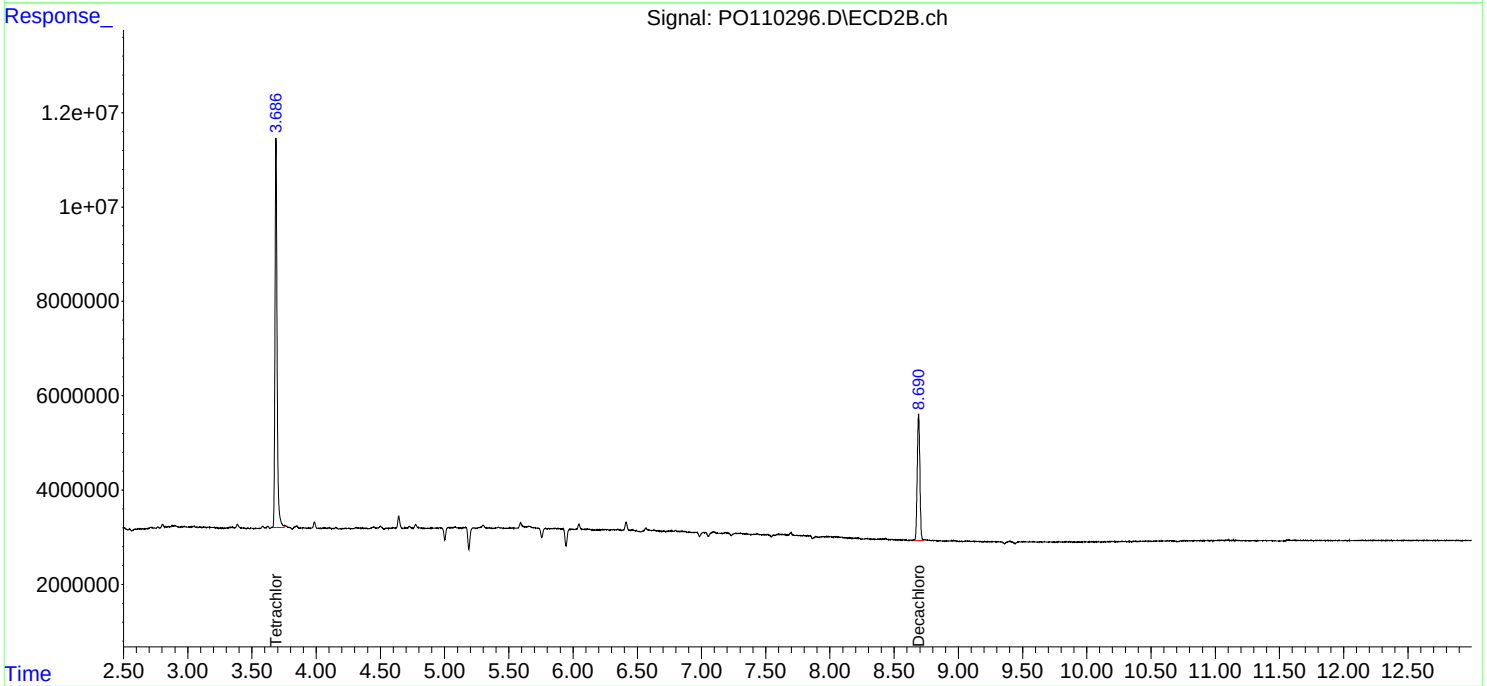
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 10:21
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

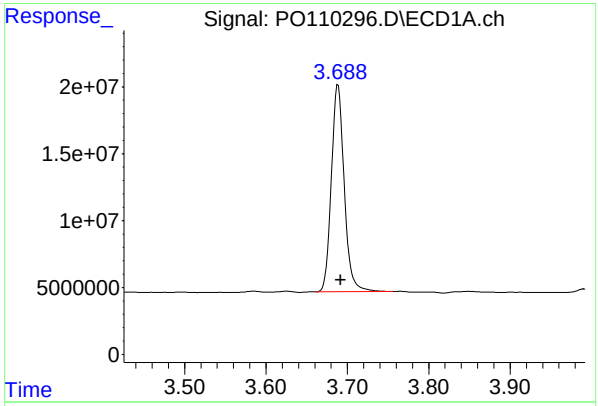
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:44:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



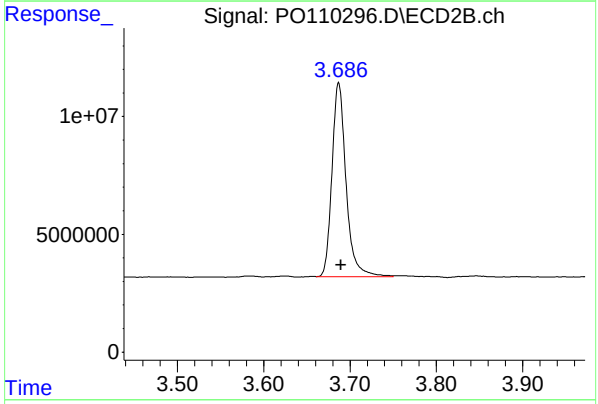






#1 Tetrachloro-m-xylene

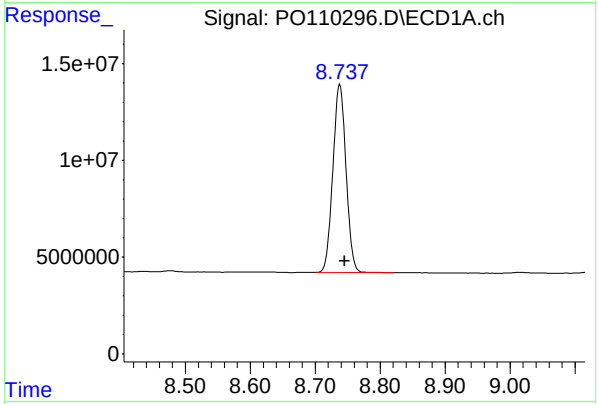
R.T.: 3.688 min
Delta R.T.: -0.004 min
Response: 169928217
Conc: 18.67 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



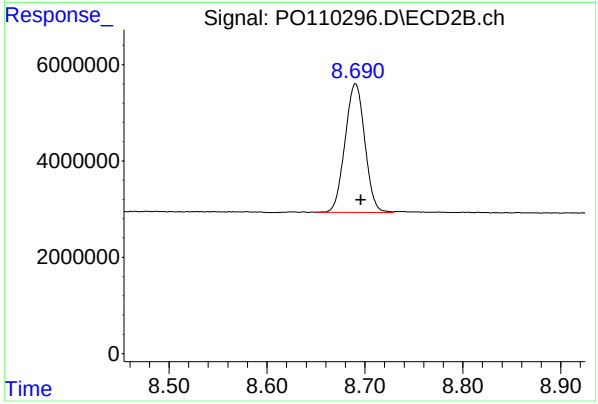

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 93006368
Conc: 17.74 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.738 min
Delta R.T.: -0.008 min
Response: 136688438
Conc: 17.78 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.690 min
Delta R.T.: -0.005 min
Response: 37456258
Conc: 15.44 ng/ml

Raw Data: **PO110306.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/08/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/08/25 |
| Client Sample ID: | PIBLK-PO110306.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PO110306.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110306.D | 1 | | 04/08/25 | PO040825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.4 | | 60 - 140 | | 87% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 15.3 | | 60 - 140 | | 77% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110306.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:12
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 14:20:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 165.6E6 | 91042032 | 18.193 | 17.361 |
| 2) | SA Decachlor... | 8.739 | 8.691 | 141.3E6 | 37124521 | 18.373 | 15.302 |
| | Target Compounds | | | | | | |

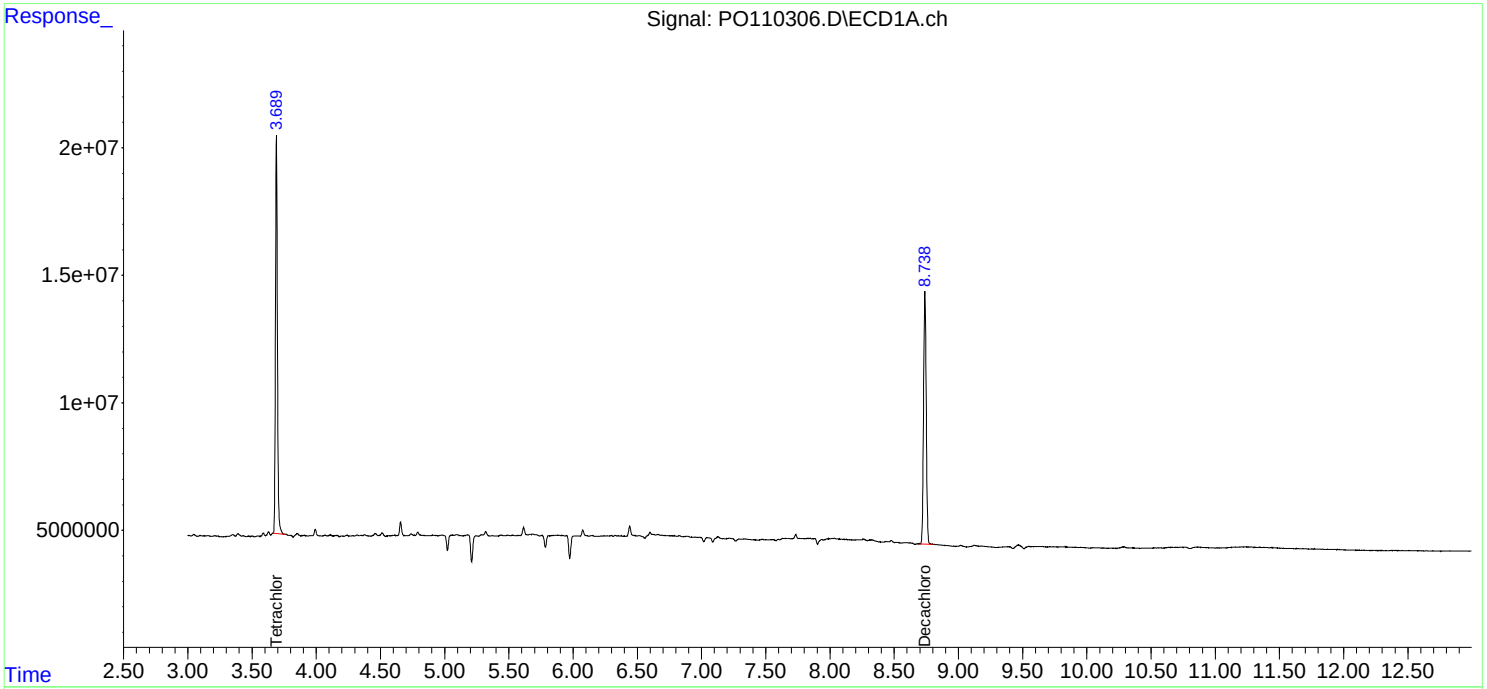
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

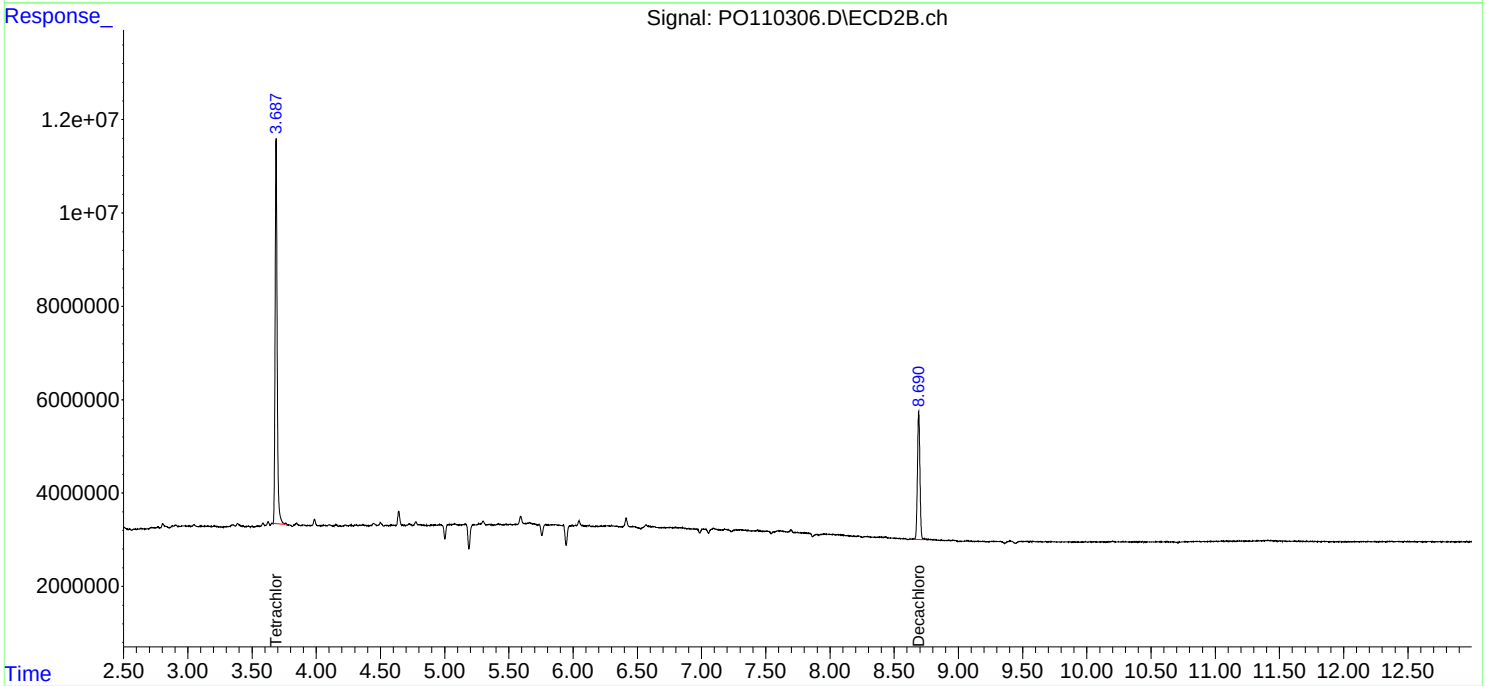
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040825\
Data File : PO110306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 14:12
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

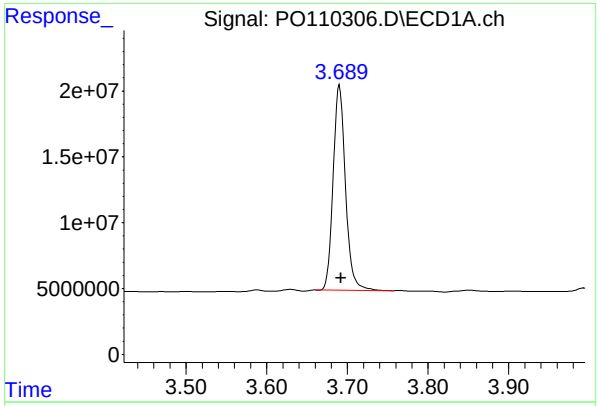
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 14:20:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



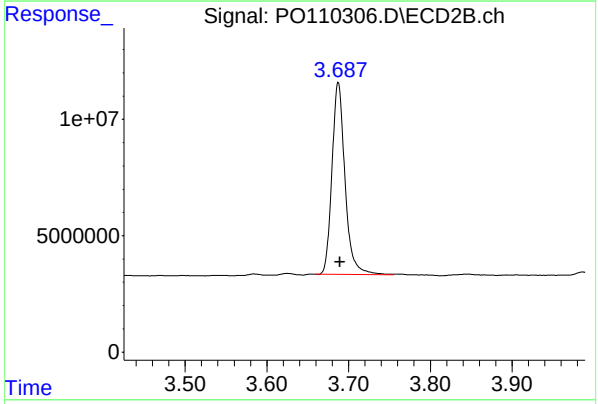






#1 Tetrachloro-m-xylene

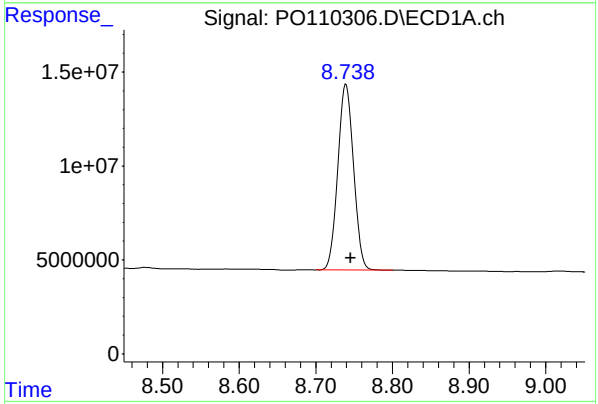
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 165584494
Conc: 18.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



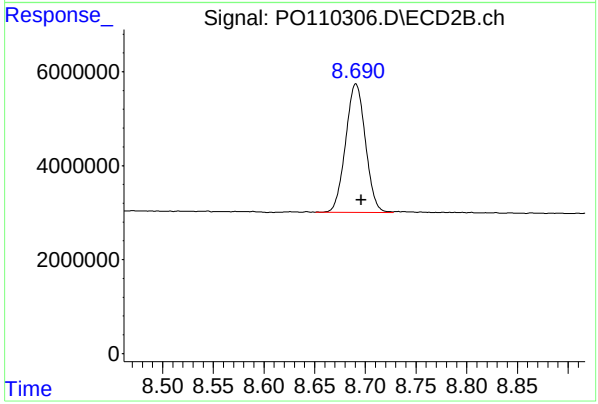

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.002 min
Response: 91042032
Conc: 17.36 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.006 min
Response: 141264866
Conc: 18.37 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 37124521
Conc: 15.30 ng/ml

Raw Data: **PP070916.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 03/27/25 |
| Project: | Raymark Superfund Site | Date Received: | 03/27/25 |
| Client Sample ID: | PIBLK-PP070916.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PP070916.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP070916.D | 1 | | 03/27/25 | PP032725 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.1 | | 60 - 140 | | 91% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.4 | | 60 - 140 | | 97% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP070916.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:14
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 28 06:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.514 | 3.816 | 27521844 | 18794888 | 18.830 | 18.131 |
| 2) | SA Decachlor... | 10.229 | 8.858 | 20399611 | 18404317 | 19.380 | 23.350 |
| | Target Compounds | | | | | | |

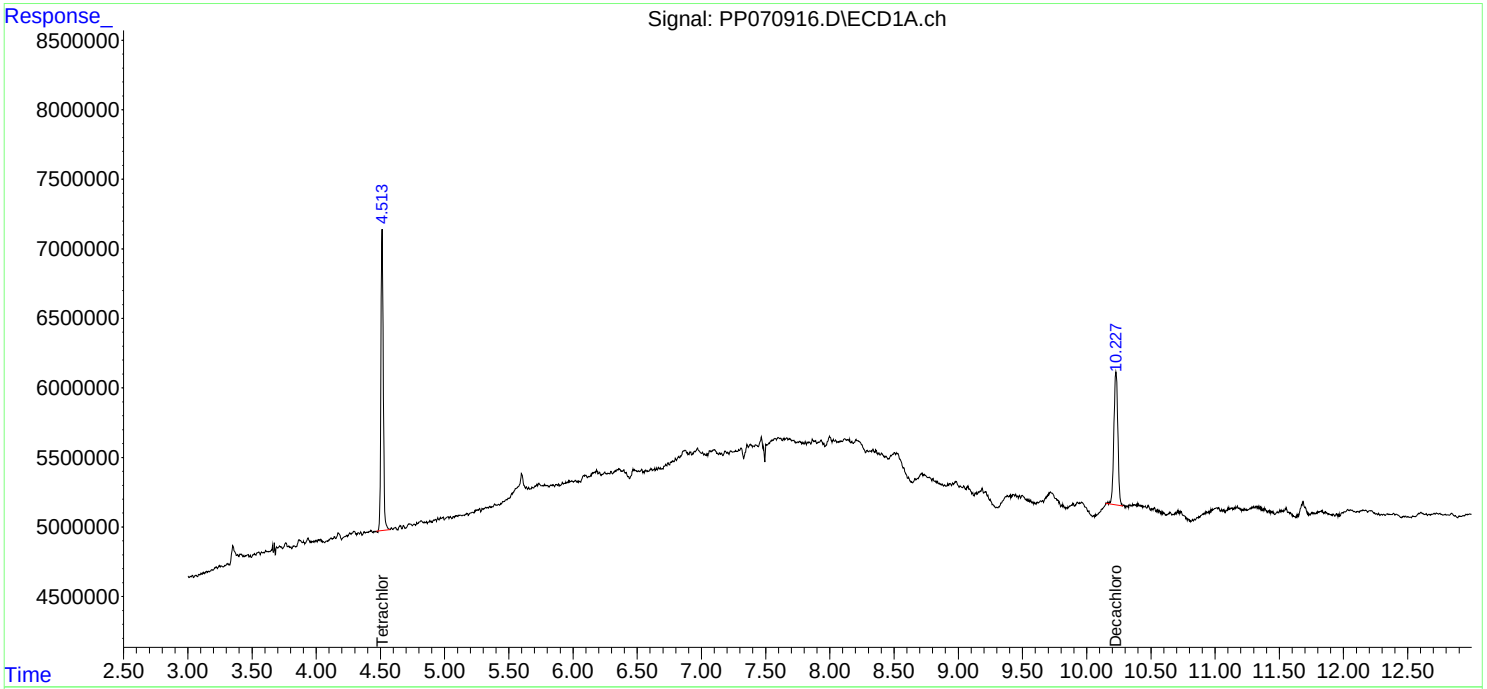
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

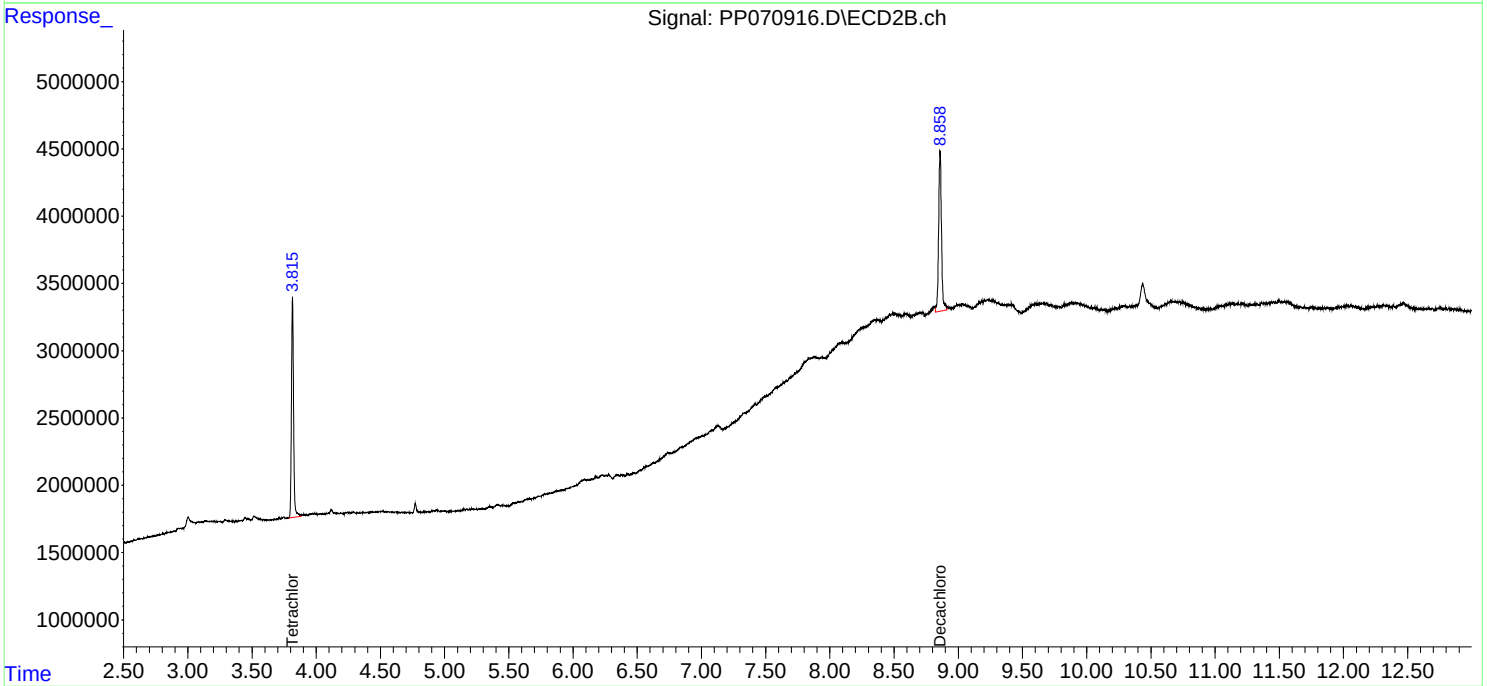
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 10:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

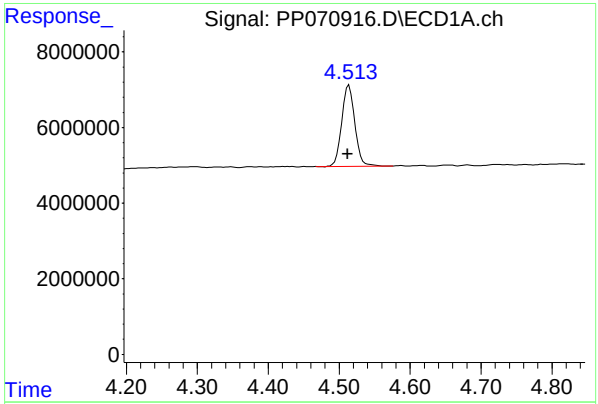
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 06:35:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



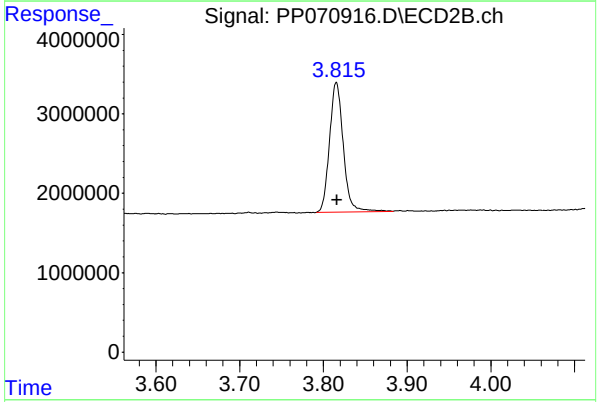






#1 Tetrachloro-m-xylene

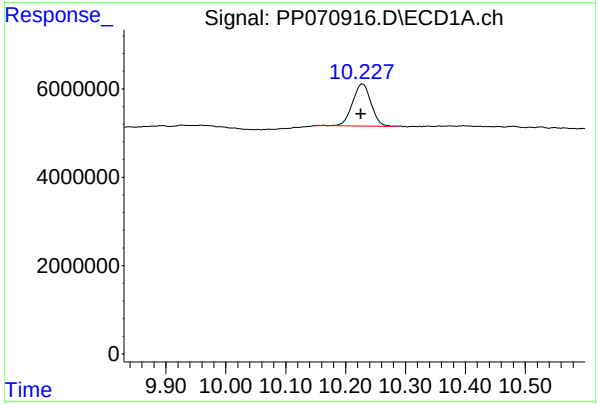
R.T.: 4.514 min
Delta R.T.: 0.002 mi
Response: 27521844
Conc: 18.83 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



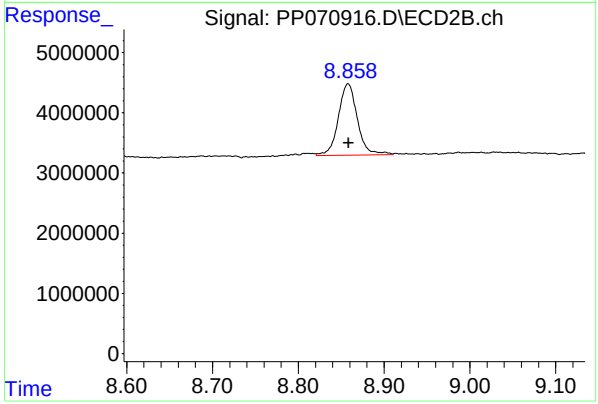

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 18794888
Conc: 18.13 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.003 min
Response: 20399611
Conc: 19.38 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 18404317
Conc: 23.35 ng/ml

Raw Data: **PP071140.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/08/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/08/25 |
| Client Sample ID: | PIBLK-PP071140.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PP071140.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP071140.D | 1 | | 04/08/25 | PP040825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.8 | | 60 - 140 | | 114% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.5 | | 60 - 140 | | 108% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP071140.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:05
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: Apr 08 11:17:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 | 3.815 | 33330770 | 23969414 | 22.805 | 23.122 |
| 2) | SA Decachlor... | 10.246 | 8.859 | 25105022 | 16966968 | 23.850 | 21.526 |
| | Target Compounds | | | | | | |

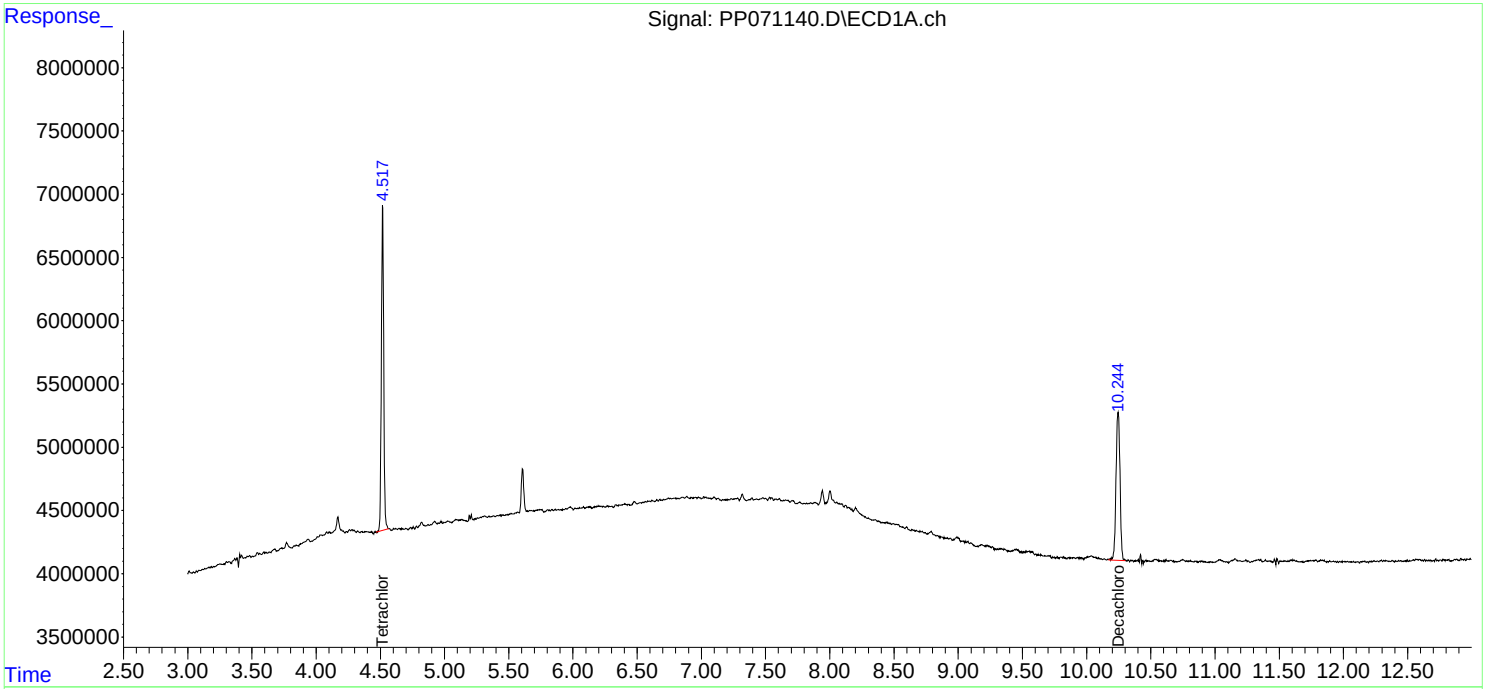
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

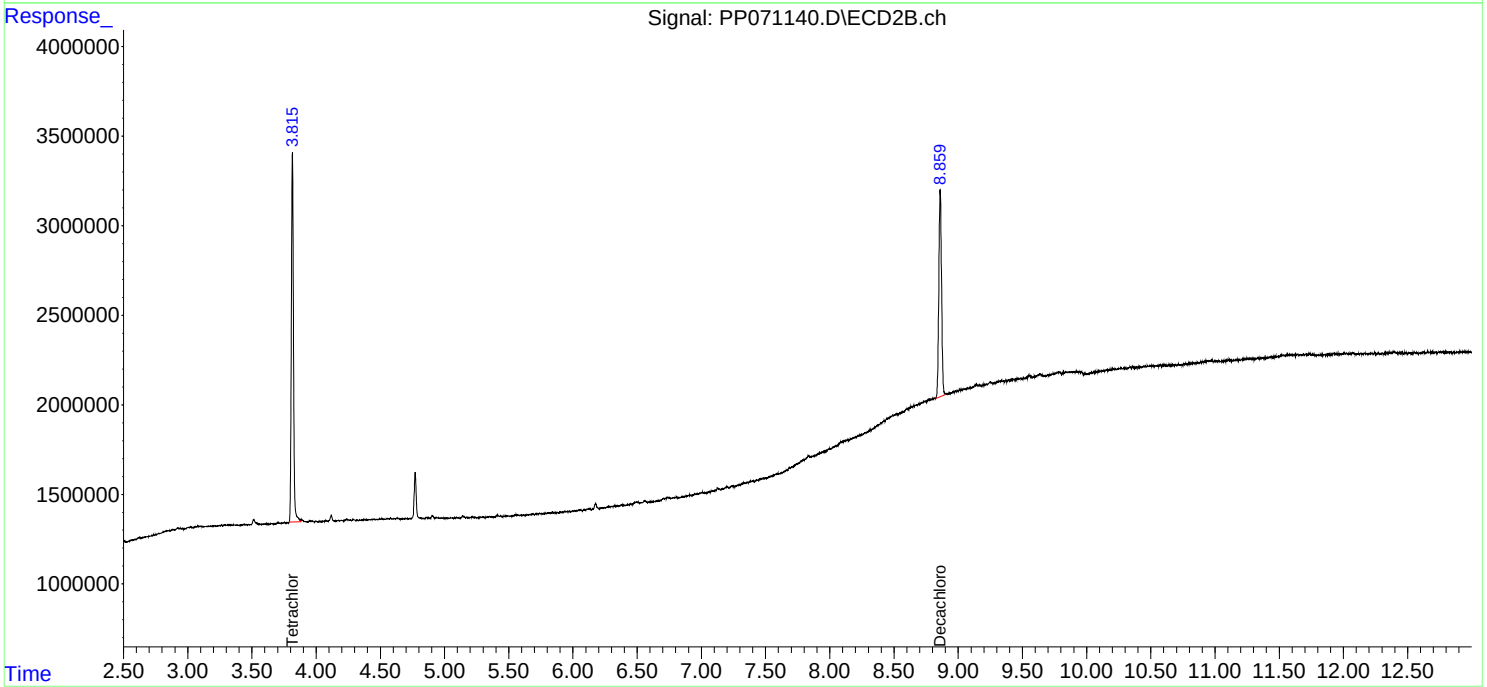
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 11:05
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

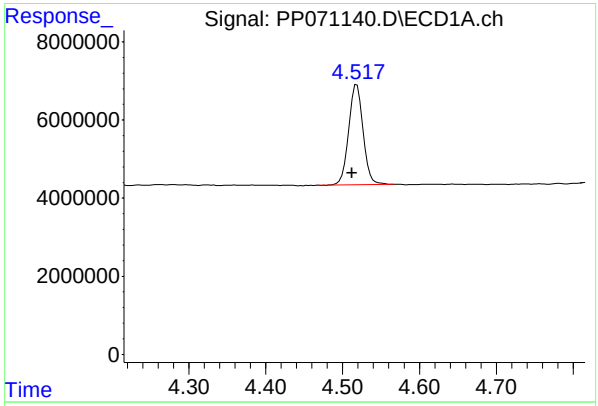
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 11:17:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



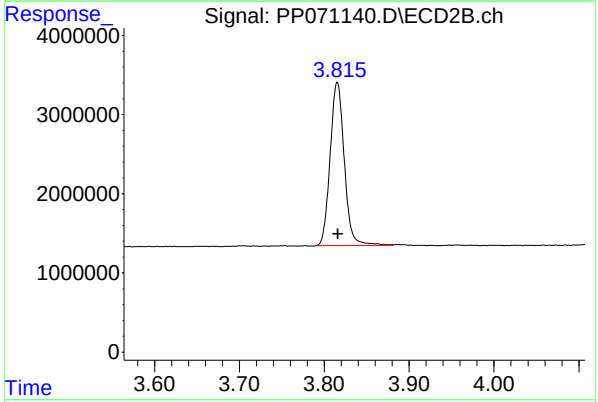






#1 Tetrachloro-m-xylene

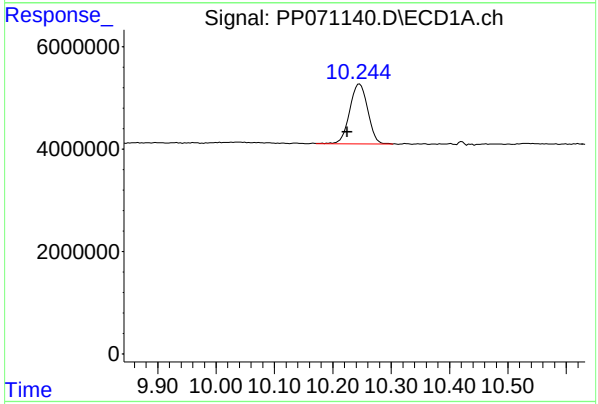
R.T.: 4.518 min
Delta R.T.: 0.006 min
Response: 33330770
Conc: 22.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



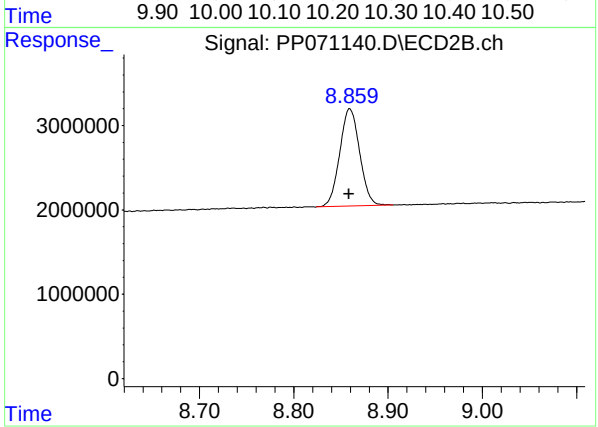

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 23969414
Conc: 23.12 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.246 min
Delta R.T.: 0.020 min
Response: 25105022
Conc: 23.85 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 16966968
Conc: 21.53 ng/ml

Raw Data: **PP071155.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/08/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/08/25 |
| Client Sample ID: | PIBLK-PP071155.D | SDG No.: | Q1730 |
| Lab Sample ID: | I.BLK-PP071155.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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 5030 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP071155.D | 1 | | 04/08/25 | PP040825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.25 | U | 0.097 | 0.25 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.40 | U | 0.13 | 0.40 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.25 | U | 0.096 | 0.25 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.25 | U | 0.12 | 0.25 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.071 | 0.25 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.25 | U | 0.094 | 0.25 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.25 | U | 0.081 | 0.25 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.40 | U | 0.14 | 0.40 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.25 | U | 0.11 | 0.25 | 0.50 | ug/L |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.6 | | 60 - 140 | | 103% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.4 | | 60 - 140 | | 92% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP071155.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 16:51
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: Apr 08 17:04:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.516 | 3.816 | 30070321 | 21846080 | 20.574 | 21.074 |
| 2) | SA Decachlor... | 10.242 | 8.859 | 22060594 | 14463728 | 20.958 | 18.350 |
| | Target Compounds | | | | | | |

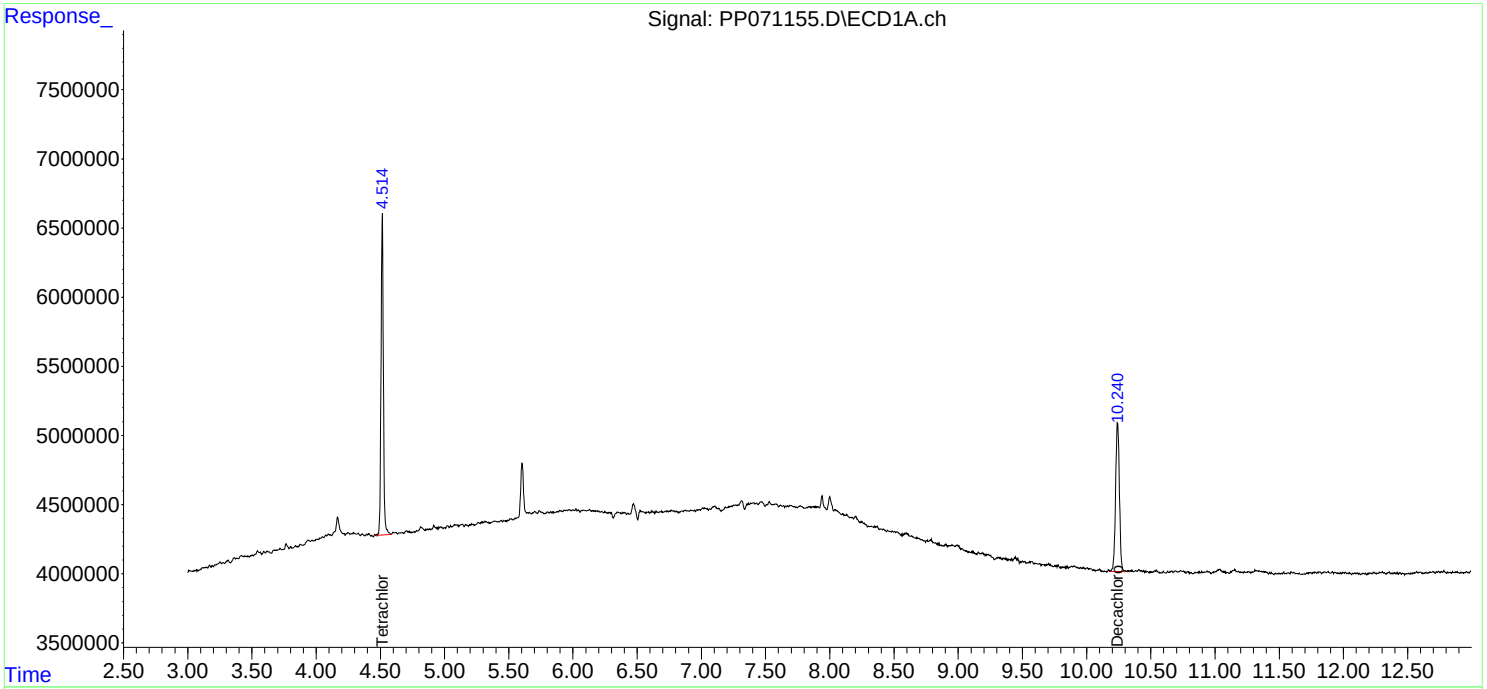
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

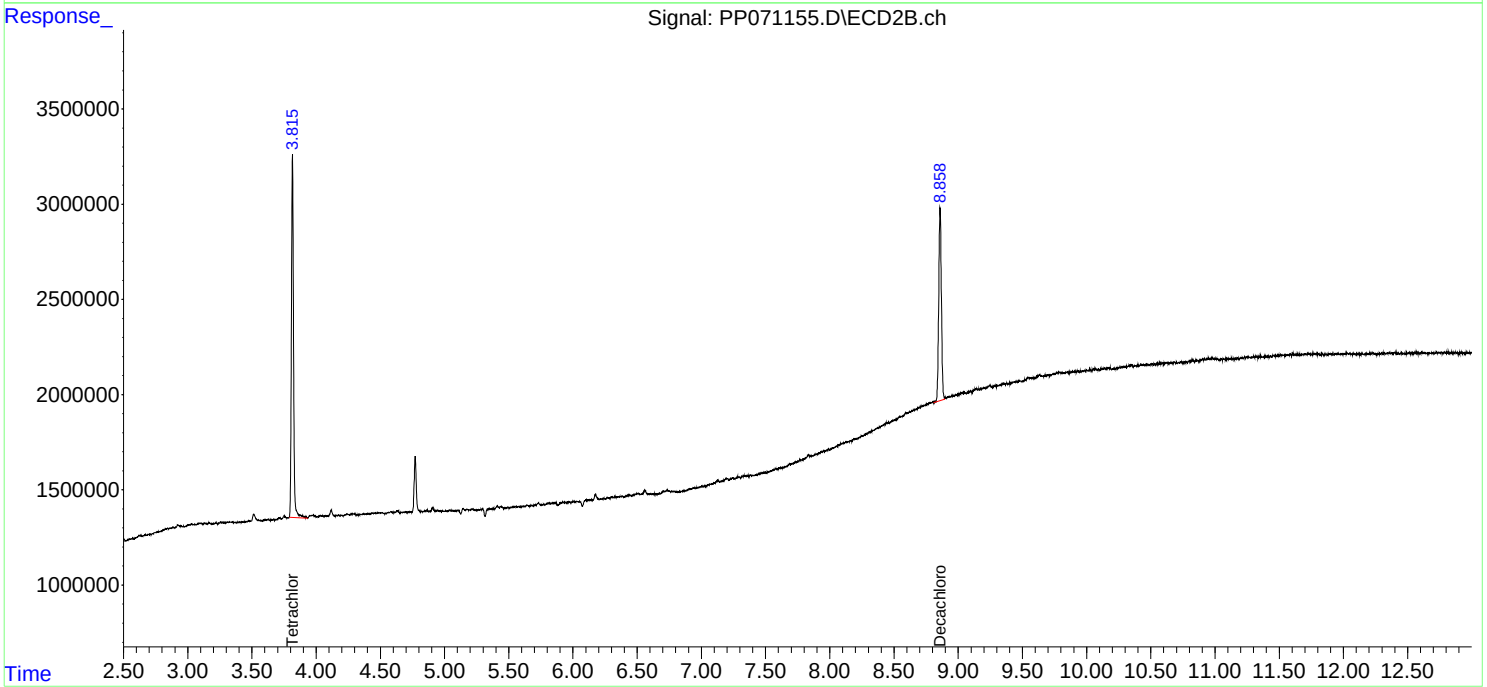
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071155.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 16:51
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

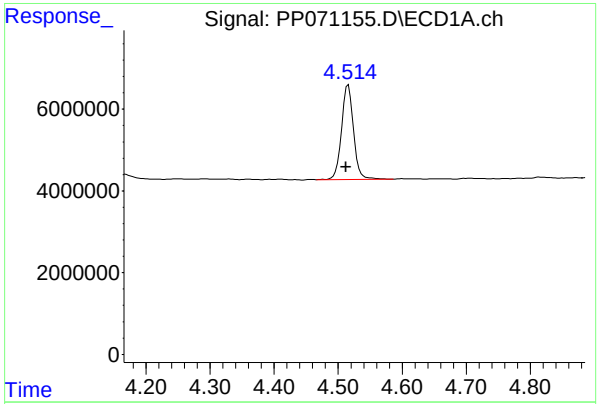
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 17:04:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



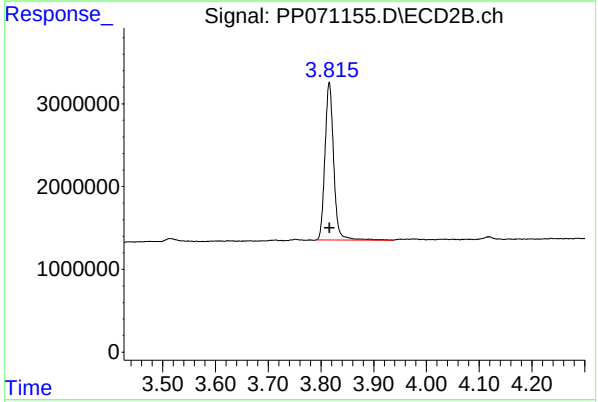






#1 Tetrachloro-m-xylene

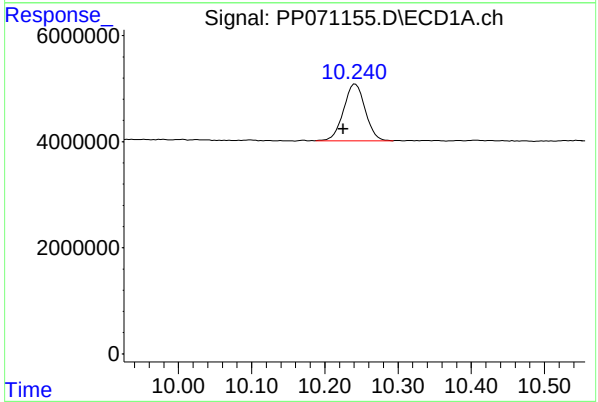
R.T.: 4.516 min
Delta R.T.: 0.004 mi
Response: 30070321
Conc: 20.57 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



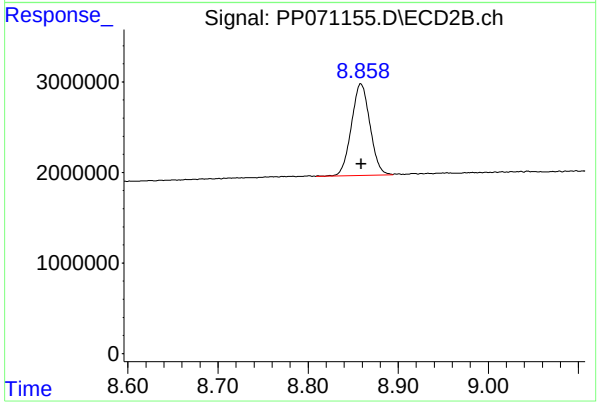

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 21846080
Conc: 21.07 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.242 min
Delta R.T.: 0.016 min
Response: 22060594
Conc: 20.96 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 14463728
Conc: 18.35 ng/ml

Raw Data: **PO110284.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | |
| Project: | Raymark Superfund Site | Date Received: | |
| Client Sample ID: | PB167469BS | SDG No.: | Q1730 |
| Lab Sample ID: | PB167469BS | 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 |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110284.D | 1 | 04/07/25 08:20 | 04/07/25 19:41 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 141 | | 3.90 | 8.30 | 17.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.0 | U | 4.00 | 13.0 | 17.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.30 | U | 3.70 | 8.30 | 17.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.30 | U | 4.00 | 8.30 | 17.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.0 | U | 5.90 | 13.0 | 17.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.30 | U | 3.20 | 8.30 | 17.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.0 | U | 5.00 | 13.0 | 17.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.30 | U | 3.60 | 8.30 | 17.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 134 | | 3.20 | 8.30 | 17.0 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.9 | | 44 - 130 | | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.1 | | 60 - 125 | | 95% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO110284.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:41
Operator : YP/AJ
Sample : PB167469BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 180.6E6 | 99143578 | 19.847 | 18.906 |
| 2) | SA Decachlor... | 8.740 | 8.691 | 146.7E6 | 41863016 | 19.080 | 17.255 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.782 | 4.769 | 142.0E6 | 74923264 | 421.865 | 408.847 |
| 4) | L1 AR-1016-2 | 4.802 | 4.788 | 199.0E6 | 105.5E6 | 429.173 | 403.452 |
| 5) | L1 AR-1016-3 | 4.858 | 4.964 | 137.1E6 | 57705339 | 427.778 | 407.010 |
| 6) | L1 AR-1016-4 | 4.978 | 5.005 | 107.7E6 | 47781418 | 426.066 | 405.168 |
| 7) | L1 AR-1016-5 | 5.236 | 5.218 | 113.5E6 | 60210398 | 412.871 | 393.741 |
| 31) | L7 AR-1260-1 | 6.277 | 6.250 | 210.2E6 | 107.2E6 | 446.044 | 419.635 |
| 32) | L7 AR-1260-2 | 6.465 | 6.438 | 251.9E6 | 124.0E6 | 422.920 | 413.030 |
| 33) | L7 AR-1260-3 | 6.833 | 6.590 | 173.8E6 | 115.3E6 | 358.056 | 399.028 |
| 34) | L7 AR-1260-4 | 7.093 | 7.062 | 166.9E6 | 76919777 | 393.513 | 357.636 |
| 35) | L7 AR-1260-5 | 7.336 | 7.303 | 405.0E6 | 168.5E6 | 387.245 | 337.822 |

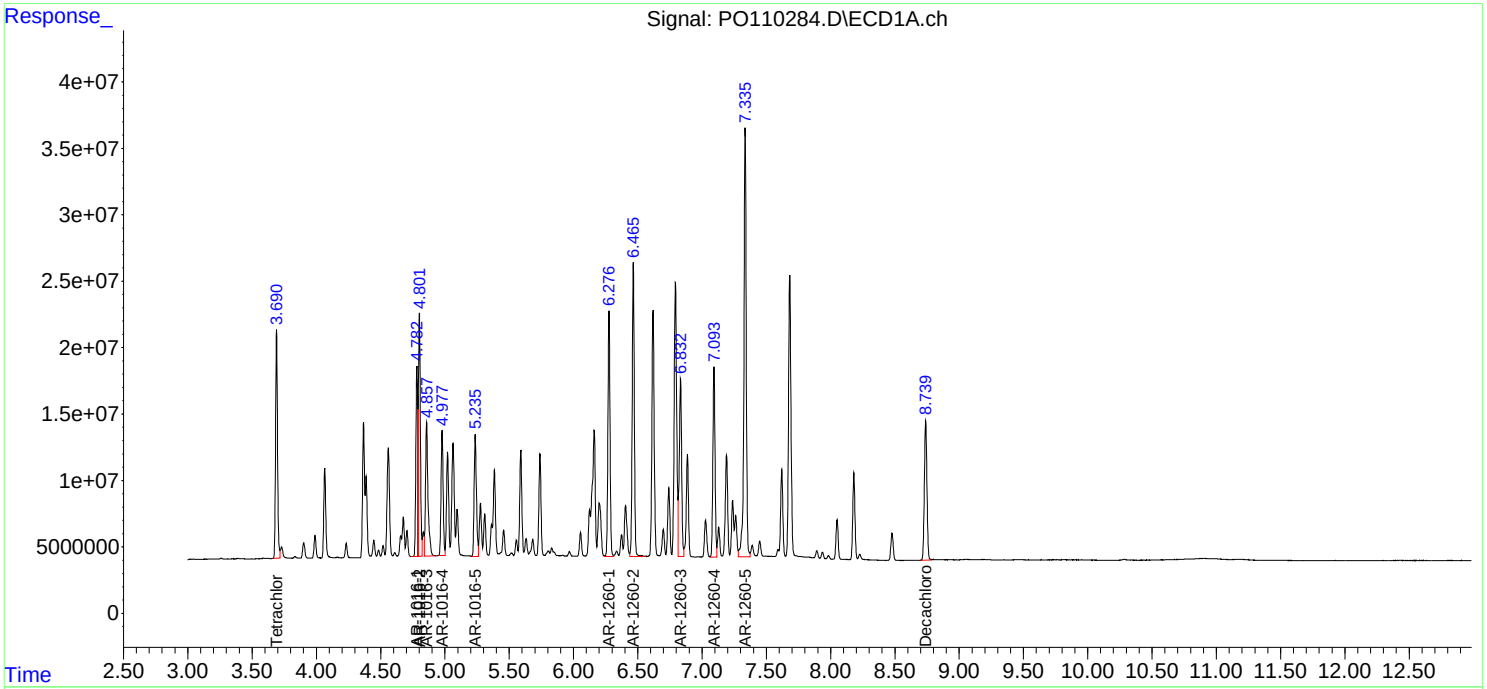
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

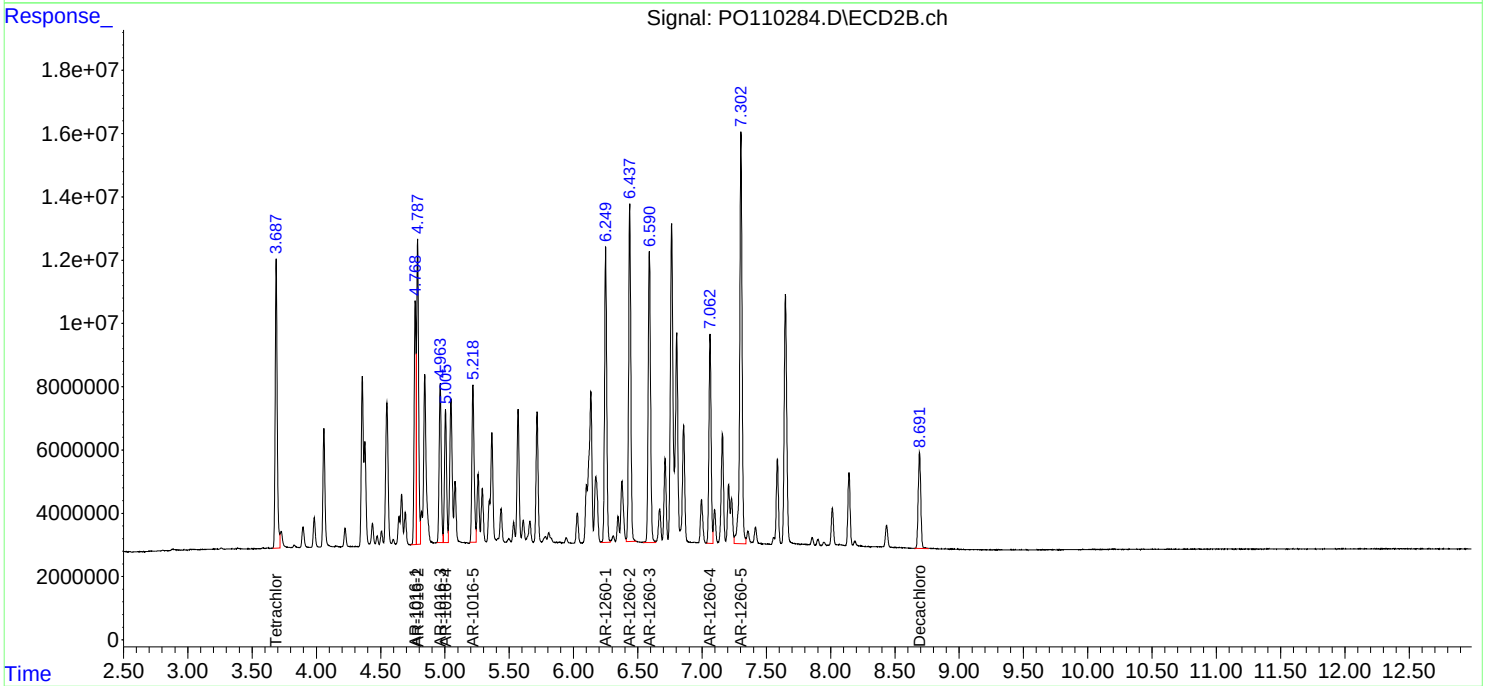
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 19:41
Operator : YP/AJ
Sample : PB167469BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

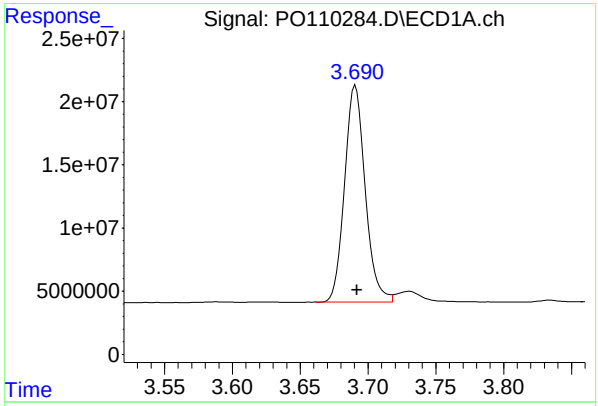
**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



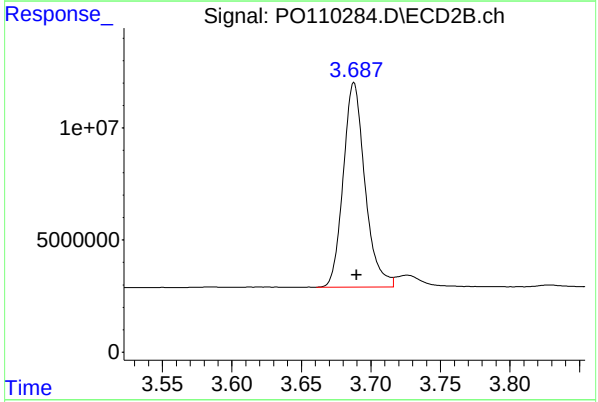






#1 Tetrachloro-m-xylene

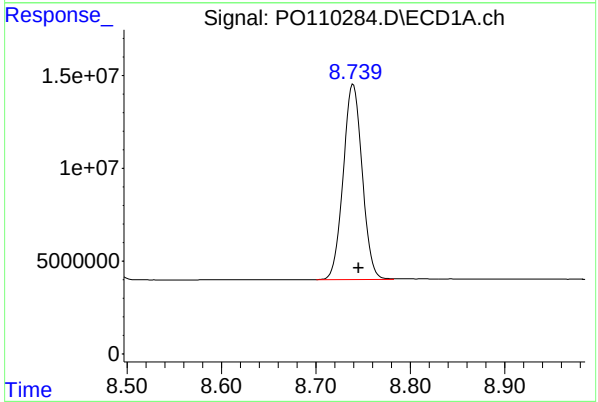
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 180638940
Conc: 19.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



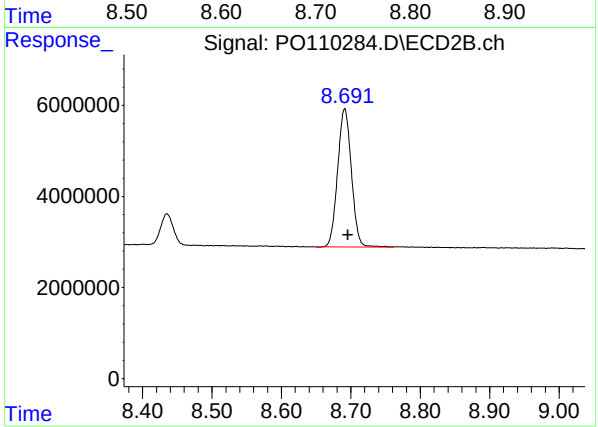

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 99143578
Conc: 18.91 ng/ml



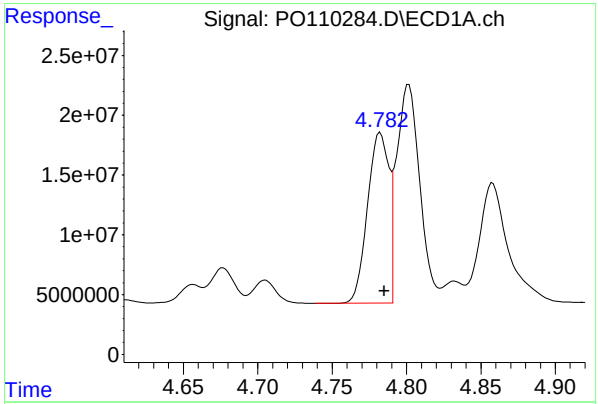

#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.006 min
Response: 146698953
Conc: 19.08 ng/ml




#2 Decachlorobiphenyl

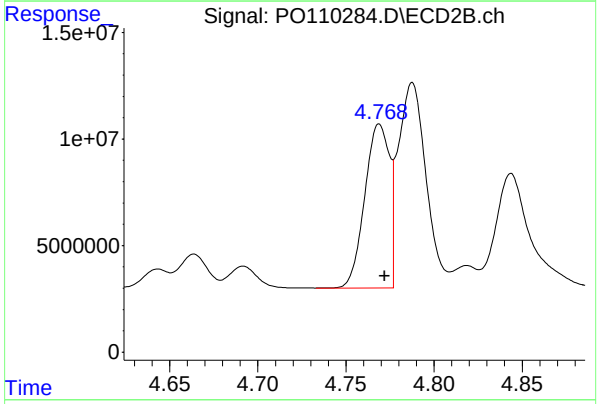
R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 41863016
Conc: 17.26 ng/ml




#3 AR-1016-1

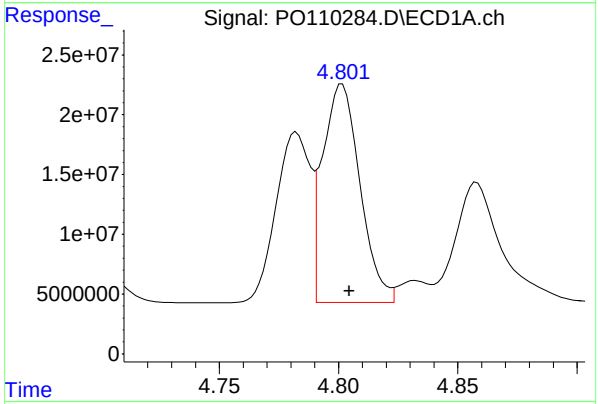
R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 141976321
Conc: 421.87 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



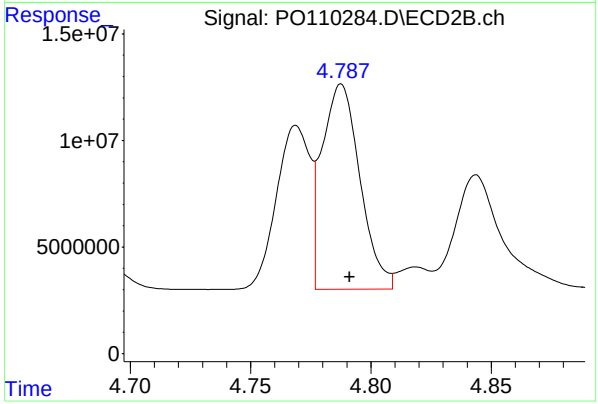

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 74923264
Conc: 408.85 ng/ml



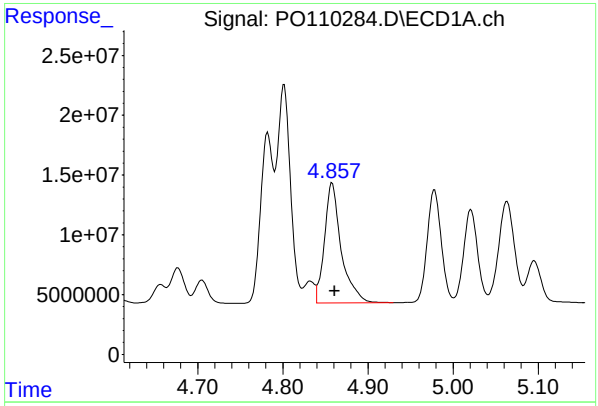

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 199001347
Conc: 429.17 ng/ml




#4 AR-1016-2

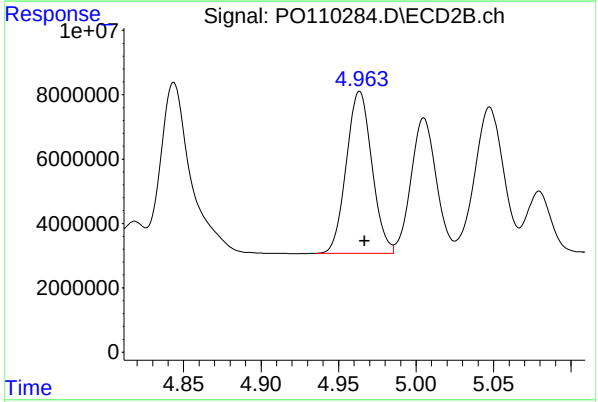
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 105504424
Conc: 403.45 ng/ml




#5 AR-1016-3

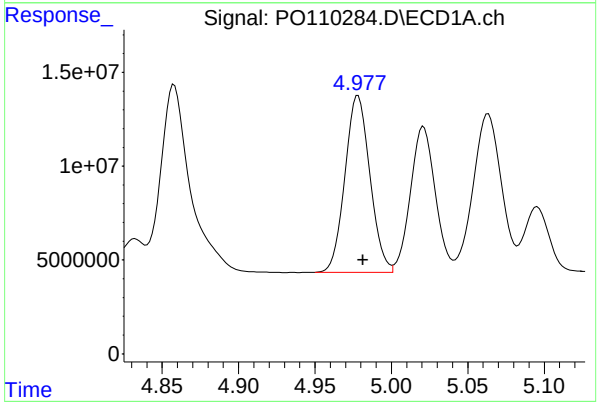
R.T.: 4.858 min
Delta R.T.: -0.003 min
Response: 137139634
Conc: 427.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



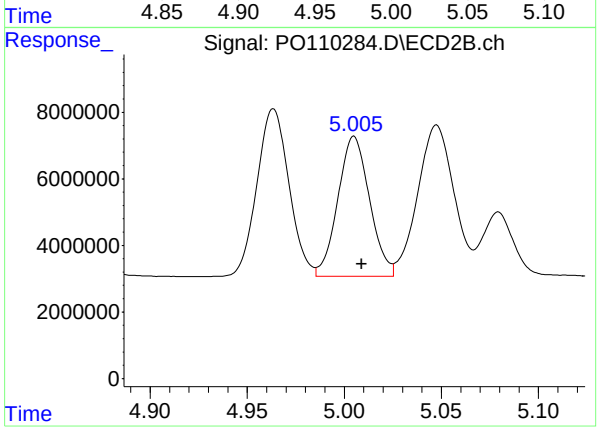

#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 57705339
Conc: 407.01 ng/ml



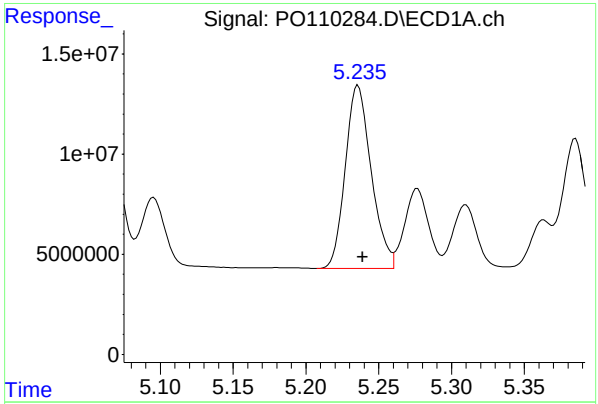

#6 AR-1016-4

R.T.: 4.978 min
Delta R.T.: -0.003 min
Response: 107662297
Conc: 426.07 ng/ml




#6 AR-1016-4

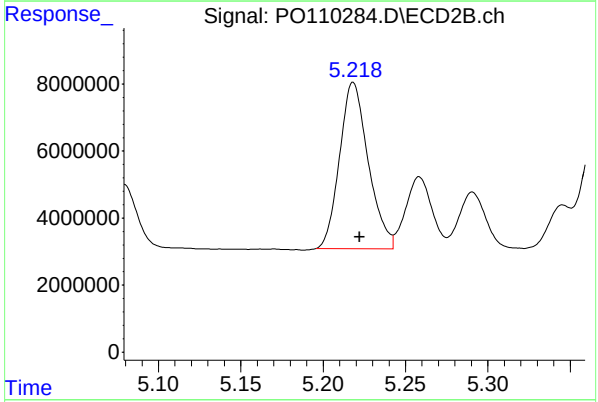
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 47781418
Conc: 405.17 ng/ml




#7 AR-1016-5

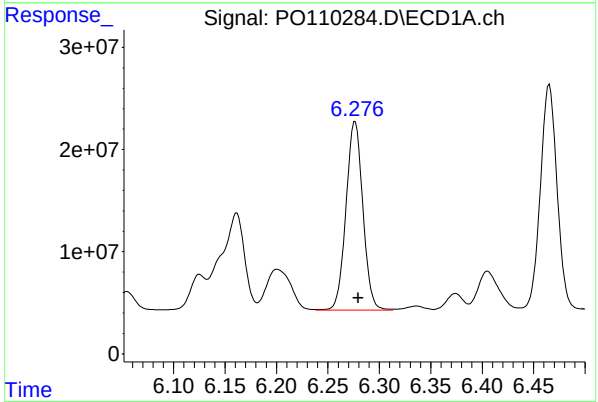
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 113484662
Conc: 412.87 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



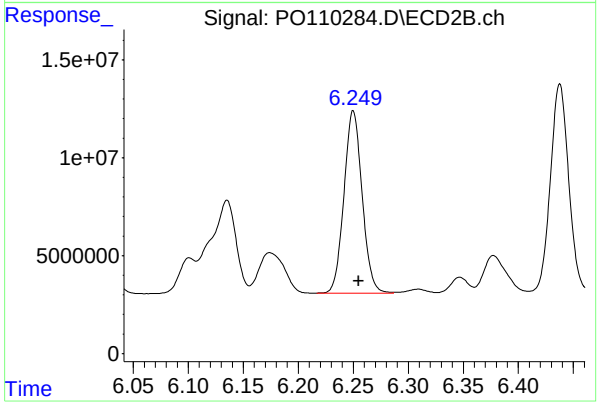

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 60210398
Conc: 393.74 ng/ml



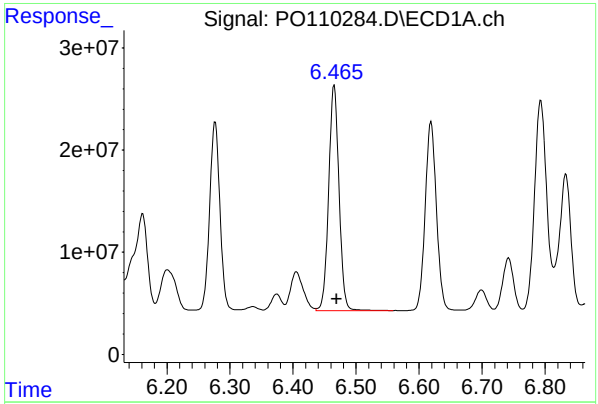

#31 AR-1260-1

R.T.: 6.277 min
Delta R.T.: -0.003 min
Response: 210243094
Conc: 446.04 ng/ml




#31 AR-1260-1

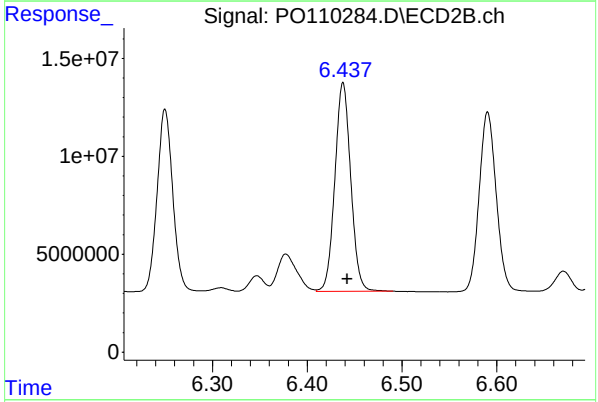
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 107192380
Conc: 419.64 ng/ml




#32 AR-1260-2

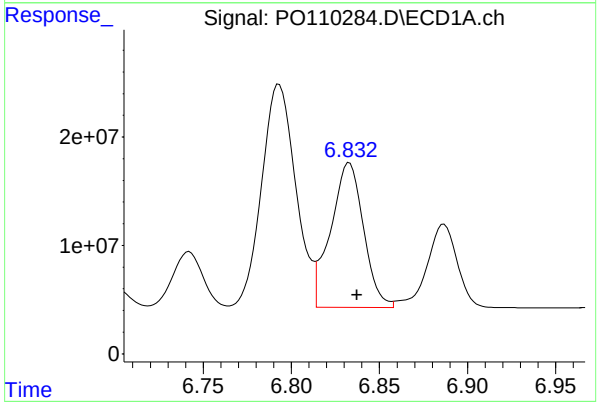
R.T.: 6.465 min
Delta R.T.: -0.004 min
Response: 251857024
Conc: 422.92 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



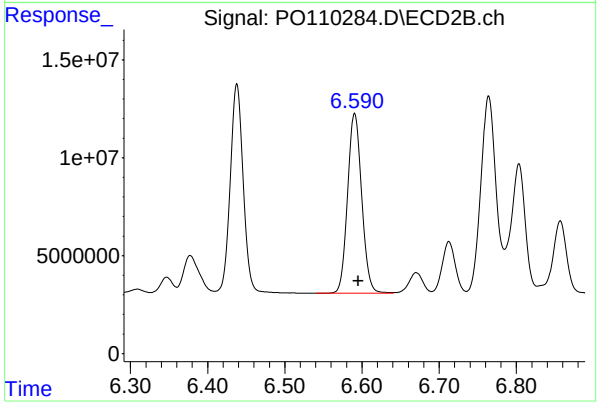

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 124026961
Conc: 413.03 ng/ml



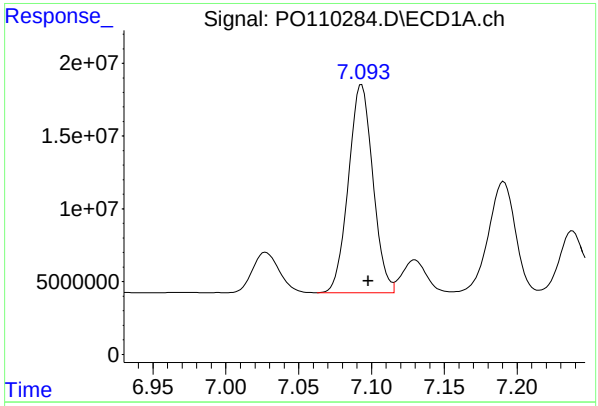

#33 AR-1260-3

R.T.: 6.833 min
Delta R.T.: -0.004 min
Response: 173765242
Conc: 358.06 ng/ml




#33 AR-1260-3

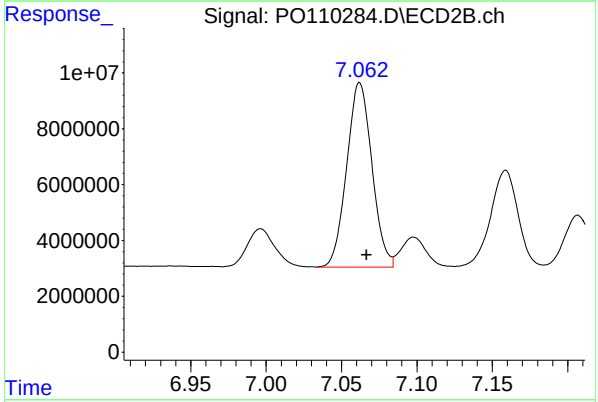
R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 115311965
Conc: 399.03 ng/ml




#34 AR-1260-4

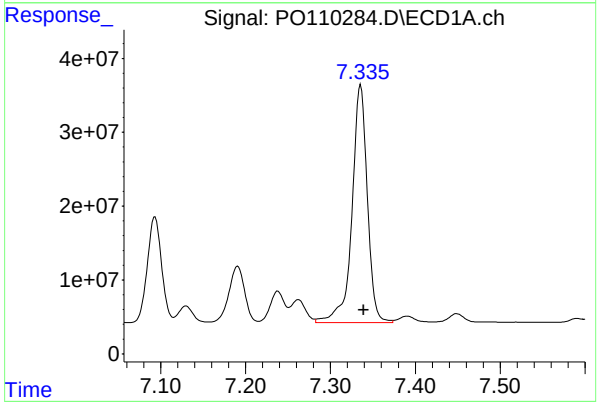
R.T.: 7.093 min
Delta R.T.: -0.004 min
Response: 166915626
Conc: 393.51 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
PB167469BS



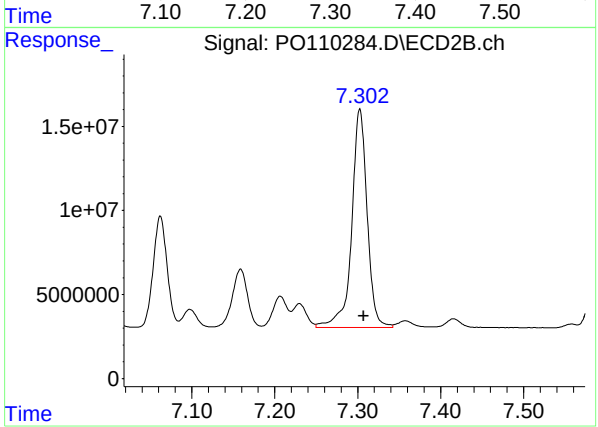

#34 AR-1260-4

R.T.: 7.062 min
Delta R.T.: -0.005 min
Response: 76919777
Conc: 357.64 ng/ml




#35 AR-1260-5

R.T.: 7.336 min
Delta R.T.: -0.004 min
Response: 404998251
Conc: 387.24 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.005 min
Response: 168470492
Conc: 337.82 ng/ml

Raw Data: **PO110271.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-16-040325MS | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-03MS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110271.D | 1 | 04/07/25 08:20 | 04/07/25 14:15 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 170 | | 4.20 | 8.80 | 18.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.7 | U | 4.30 | 13.7 | 18.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.80 | U | 3.90 | 8.80 | 18.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.80 | U | 4.20 | 8.80 | 18.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.7 | U | 6.30 | 13.7 | 18.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.80 | U | 3.40 | 8.80 | 18.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.7 | U | 5.30 | 13.7 | 18.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.80 | U | 3.80 | 8.80 | 18.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 157 | | 3.40 | 8.80 | 18.0 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.8 | | 44 - 130 | | 114% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.9 | | 60 - 125 | | 104% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:15
Operator : YP/AJ
Sample : Q1730-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:28:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 207.8E6 | 114.5E6 | 22.829 | 21.843 |
| 2) SA | Decachlor... | 8.740 | 8.691 | 160.6E6 | 43661585 | 20.882 | 17.997 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 4.782 | 4.768 | 163.4E6 | 86371640 | 485.641 | 471.320 |
| 4) L1 | AR-1016-2 | 4.802 | 4.787 | 226.9E6 | 123.3E6 | 489.395 | 471.405 |
| 5) L1 | AR-1016-3 | 4.858 | 4.963 | 156.9E6 | 66829797 | 489.339 | 471.367 |
| 6) L1 | AR-1016-4 | 4.978 | 5.005 | 122.7E6 | 54685236 | 485.623 | 463.710 |
| 7) L1 | AR-1016-5 | 5.236 | 5.218 | 127.1E6 | 69082264 | 462.402 | 451.758 |
| 31) L7 | AR-1260-1 | 6.276 | 6.250 | 237.9E6 | 119.0E6 | 504.637 | 465.860 |
| 32) L7 | AR-1260-2 | 6.466 | 6.438 | 285.8E6 | 136.5E6 | 479.876 | 454.662 |
| 33) L7 | AR-1260-3 | 6.833 | 6.591 | 199.0E6 | 126.8E6 | 409.960 | 438.894 |
| 34) L7 | AR-1260-4 | 7.094 | 7.062 | 183.3E6 | 86758507 | 432.156 | 403.381 |
| 35) L7 | AR-1260-5 | 7.335 | 7.303 | 418.2E6 | 188.7E6 | 399.895 | 378.330 |

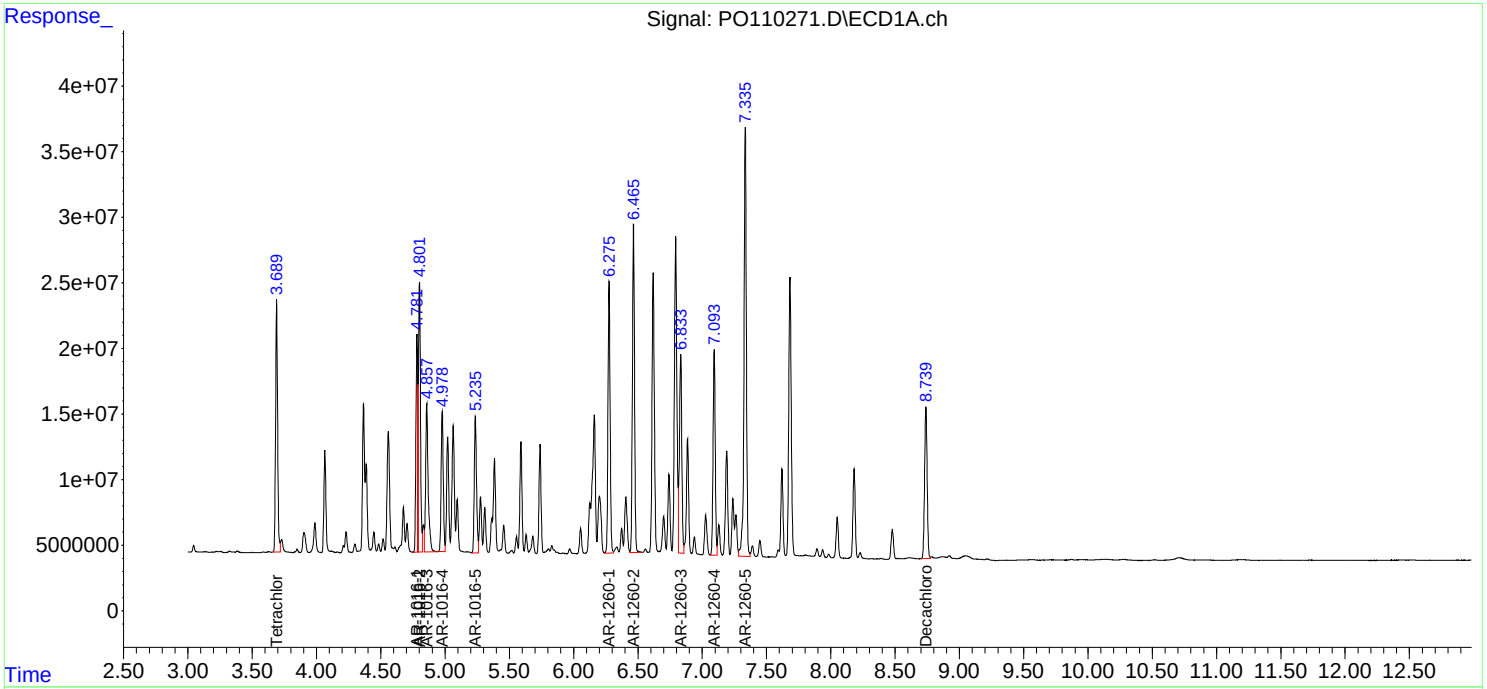
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

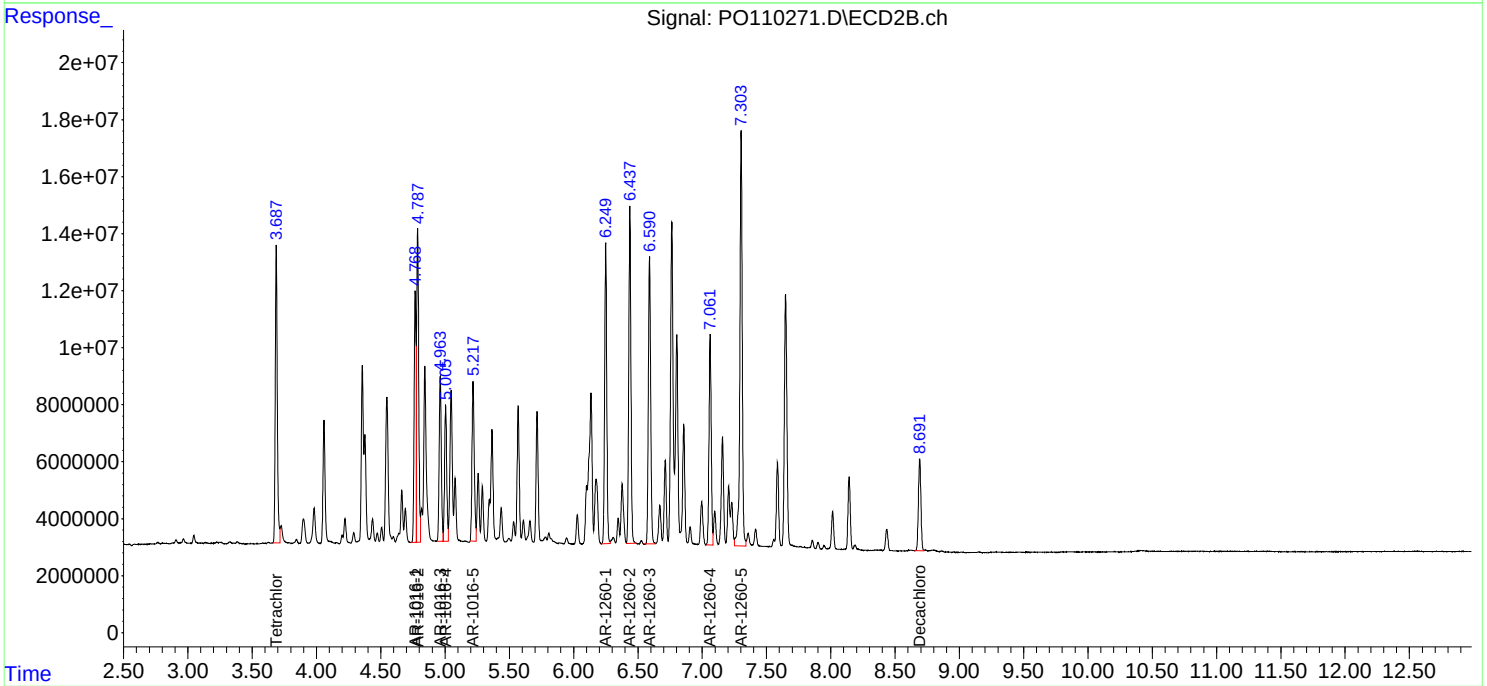
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110271.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:15
Operator : YP/AJ
Sample : Q1730-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

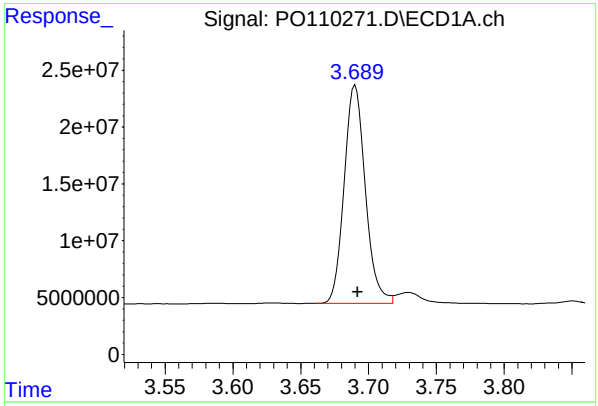
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:28:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



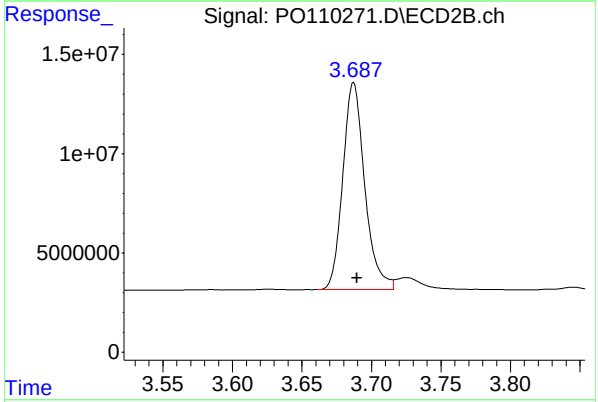






#1 Tetrachloro-m-xylene

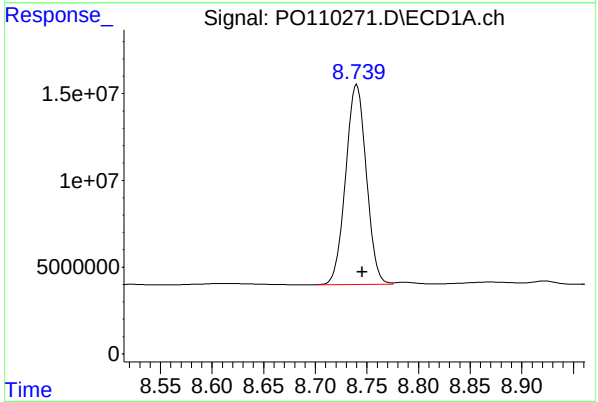
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 207776497
Conc: 22.83 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



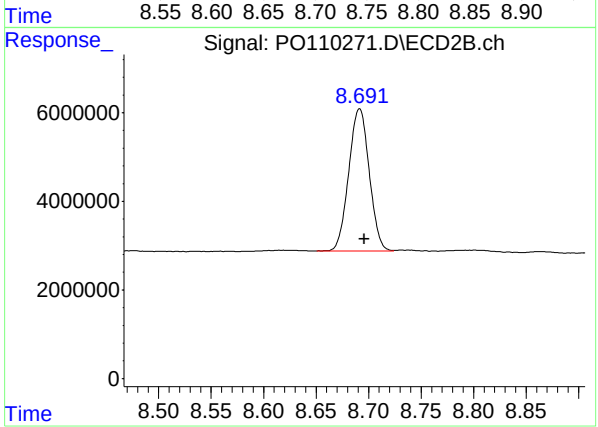

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 114548641
Conc: 21.84 ng/ml



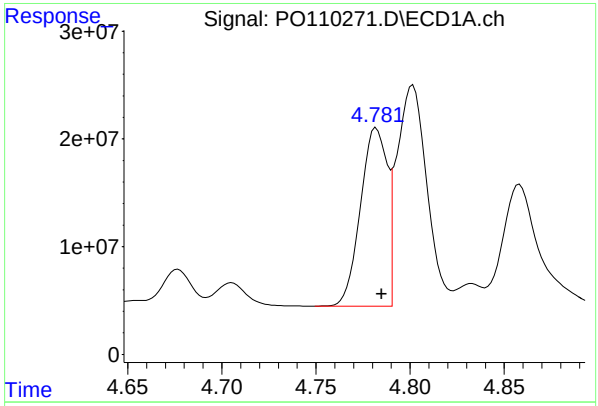

#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 160555921
Conc: 20.88 ng/ml




#2 Decachlorobiphenyl

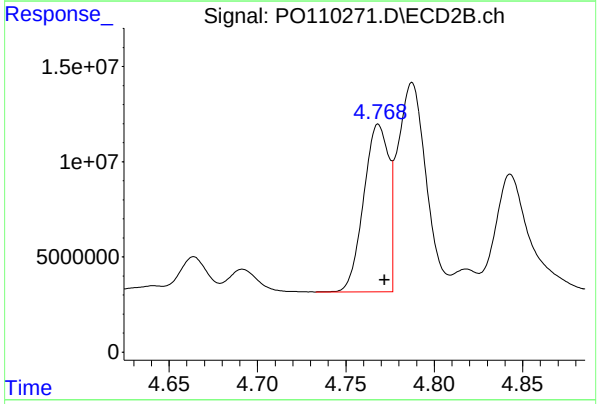
R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 43661585
Conc: 18.00 ng/ml




#3 AR-1016-1

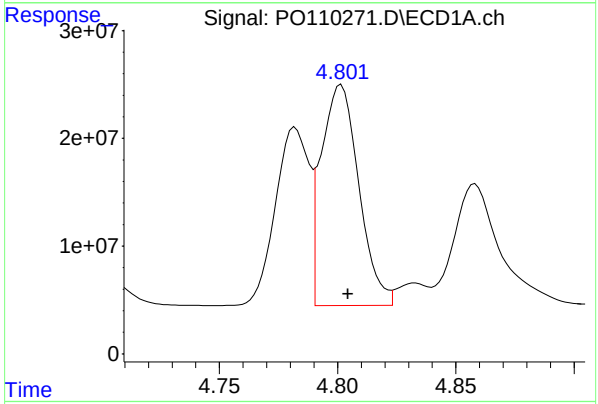
R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 163439503
Conc: 485.64 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



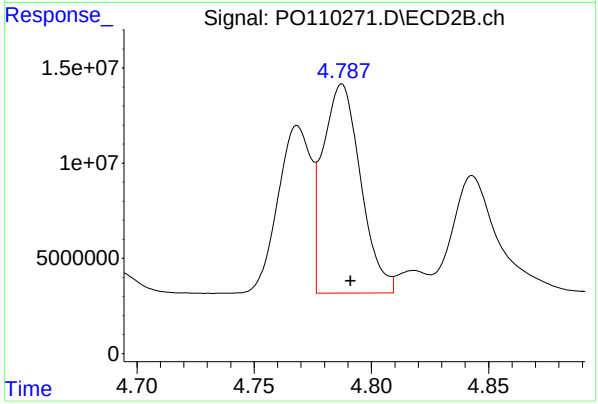

#3 AR-1016-1

R.T.: 4.768 min
Delta R.T.: -0.003 min
Response: 86371640
Conc: 471.32 ng/ml



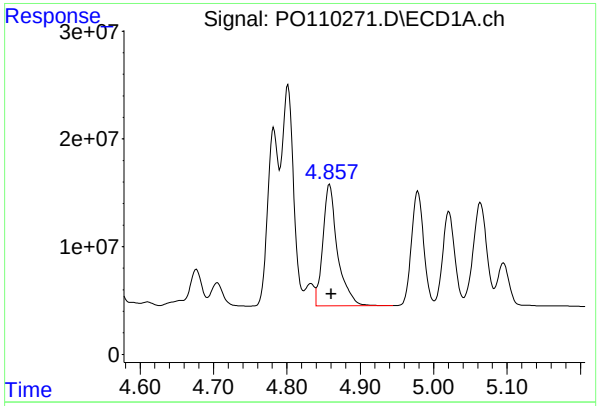

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 226925626
Conc: 489.40 ng/ml




#4 AR-1016-2

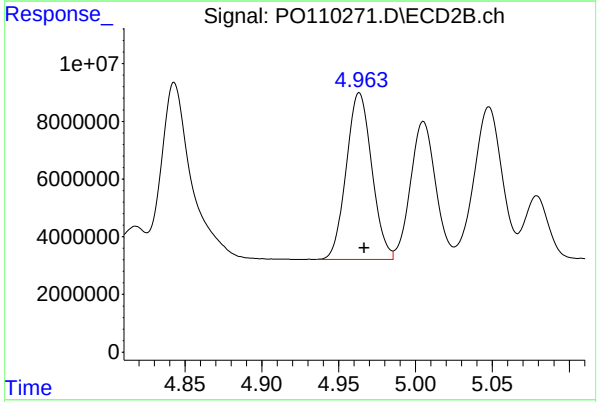
R.T.: 4.787 min
Delta R.T.: -0.004 min
Response: 123274570
Conc: 471.41 ng/ml




#5 AR-1016-3

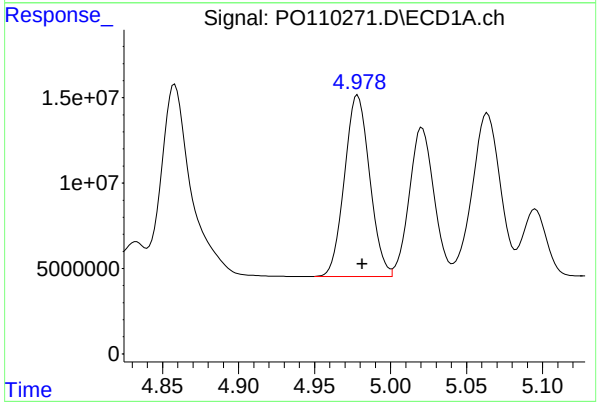
R.T.: 4.858 min
Delta R.T.: -0.003 mi
Response: 156875297
Conc: 489.34 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



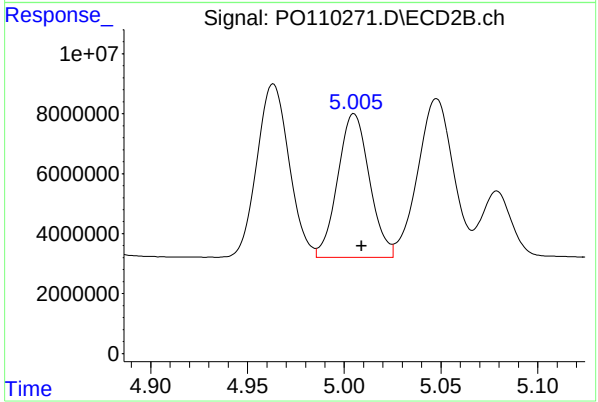

#5 AR-1016-3

R.T.: 4.963 min
Delta R.T.: -0.003 min
Response: 66829797
Conc: 471.37 ng/ml



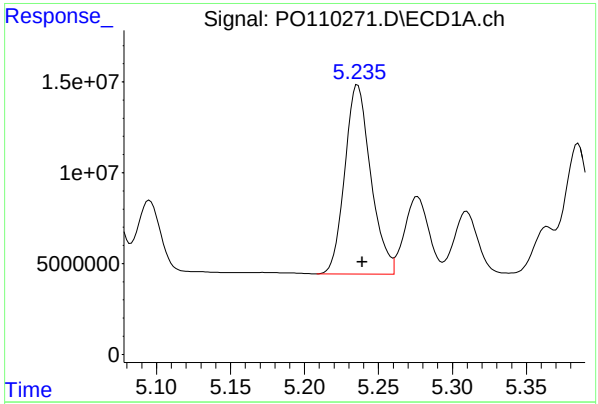

#6 AR-1016-4

R.T.: 4.978 min
Delta R.T.: -0.003 min
Response: 122711855
Conc: 485.62 ng/ml




#6 AR-1016-4

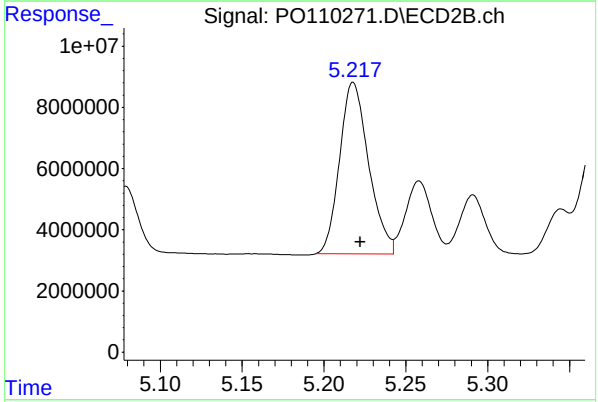
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 54685236
Conc: 463.71 ng/ml




#7 AR-1016-5

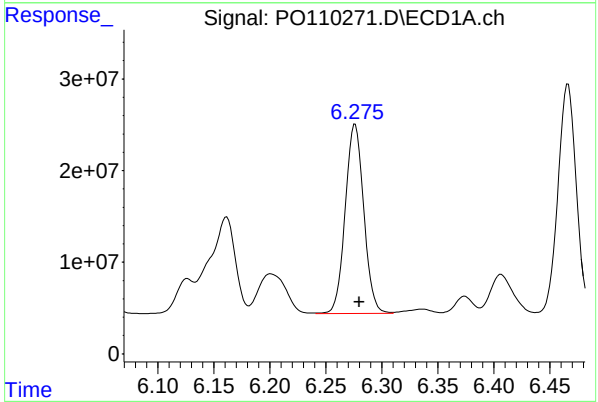
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 127098994
Conc: 462.40 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



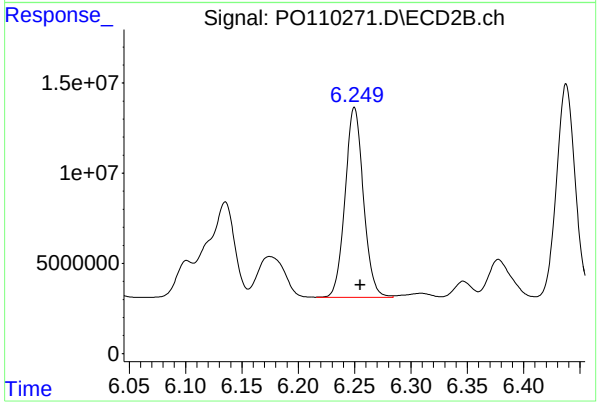

#7 AR-1016-5

R.T.: 5.218 min
Delta R.T.: -0.004 min
Response: 69082264
Conc: 451.76 ng/ml



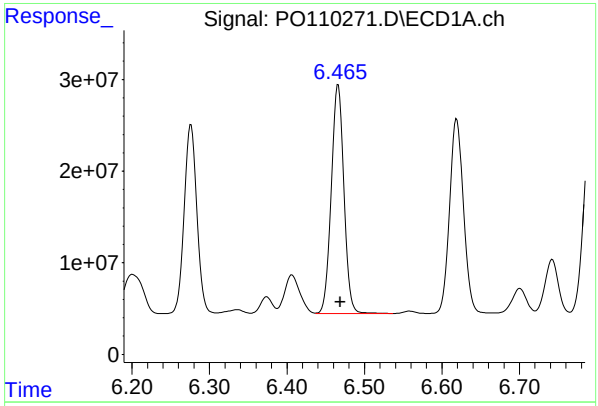

#31 AR-1260-1

R.T.: 6.276 min
Delta R.T.: -0.004 min
Response: 237861115
Conc: 504.64 ng/ml




#31 AR-1260-1

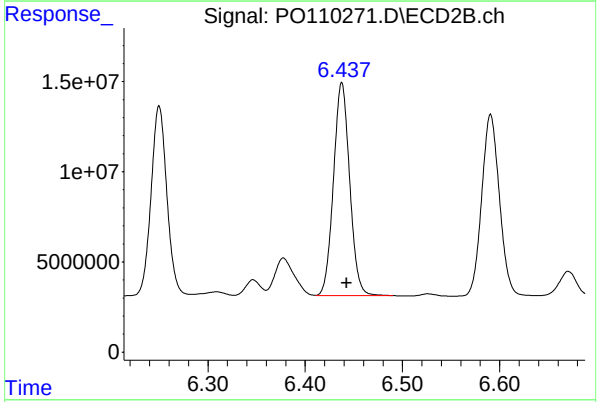
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 119000242
Conc: 465.86 ng/ml




#32 AR-1260-2

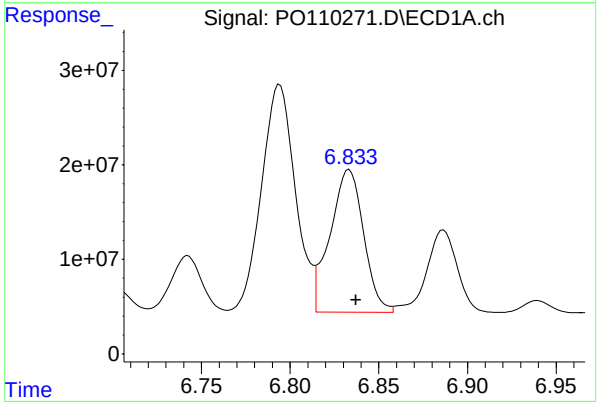
R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 285775432
Conc: 479.88 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



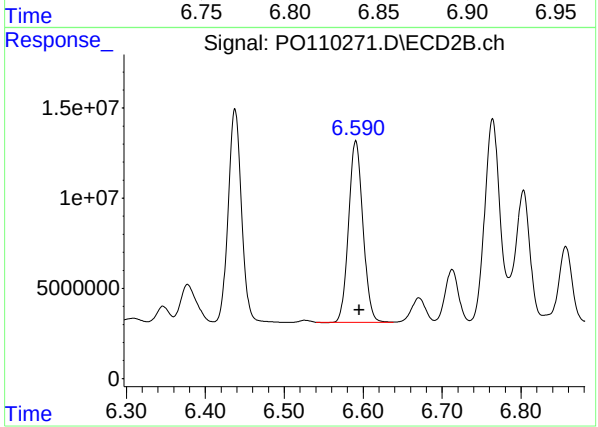

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 136528501
Conc: 454.66 ng/ml



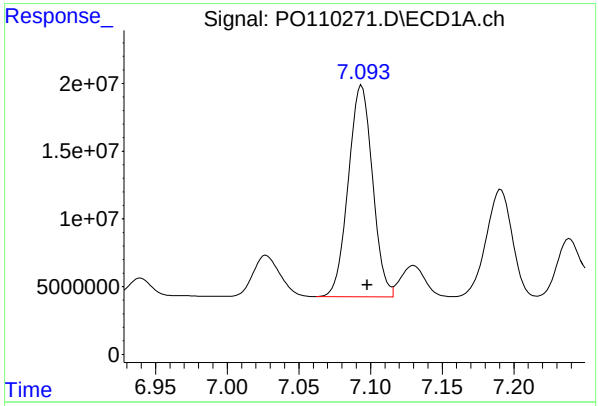

#33 AR-1260-3

R.T.: 6.833 min
Delta R.T.: -0.004 min
Response: 198954290
Conc: 409.96 ng/ml




#33 AR-1260-3

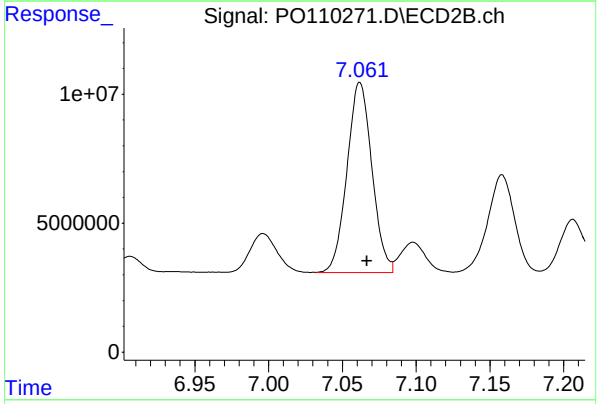
R.T.: 6.591 min
Delta R.T.: -0.005 min
Response: 126832599
Conc: 438.89 ng/ml




#34 AR-1260-4

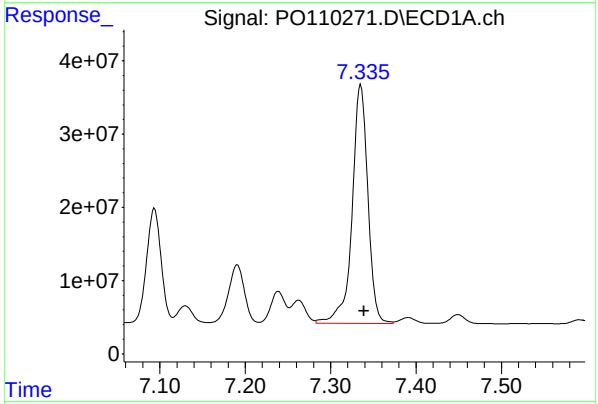
R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 183306711
Conc: 432.16 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MS



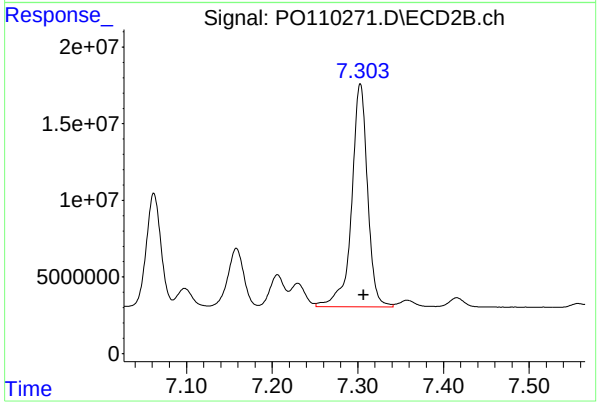

#34 AR-1260-4

R.T.: 7.062 min
Delta R.T.: -0.005 min
Response: 86758507
Conc: 403.38 ng/ml




#35 AR-1260-5

R.T.: 7.335 min
Delta R.T.: -0.004 min
Response: 418228862
Conc: 399.90 ng/ml




#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 188671824
Conc: 378.33 ng/ml

Raw Data: **PO110272.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Nobis Group | Date Collected: | 04/03/25 |
| Project: | Raymark Superfund Site | Date Received: | 04/04/25 |
| Client Sample ID: | OU4-VSL-16-040325MSD | SDG No.: | Q1730 |
| Lab Sample ID: | Q1730-03MSD | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.5 Decanted: |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | SW3541B | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO110272.D | 1 | 04/07/25 08:20 | 04/07/25 14:33 | PB167469 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 164 | | 4.20 | 8.80 | 18.0 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 13.7 | U | 4.30 | 13.7 | 18.0 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 8.80 | U | 3.90 | 8.80 | 18.0 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 8.80 | U | 4.20 | 8.80 | 18.0 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 13.7 | U | 6.30 | 13.7 | 18.0 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 8.80 | U | 3.40 | 8.80 | 18.0 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 13.7 | U | 5.30 | 13.7 | 18.0 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 8.80 | U | 3.80 | 8.80 | 18.0 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 153 | | 3.40 | 8.80 | 18.0 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 44 - 130 | | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.8 | | 60 - 125 | | 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_O\Data\PO040725\
Data File : PO110272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:33
Operator : YP/AJ
Sample : Q1730-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.690 | 3.687 | 196.9E6 | 109.1E6 | 21.633 | 20.795 |
| 2) | SA Decachlor... | 8.739 | 8.690 | 152.2E6 | 41848584 | 19.800 | 17.249 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.782 | 4.768 | 156.1E6 | 82580554 | 463.781 | 450.632 |
| 4) | L1 AR-1016-2 | 4.801 | 4.788 | 219.3E6 | 118.8E6 | 472.954 | 454.443 |
| 5) | L1 AR-1016-3 | 4.857 | 4.963 | 151.9E6 | 64490825 | 473.697 | 454.870 |
| 6) | L1 AR-1016-4 | 4.978 | 5.005 | 118.8E6 | 52631687 | 470.083 | 446.297 |
| 7) | L1 AR-1016-5 | 5.235 | 5.217 | 123.9E6 | 66656091 | 450.663 | 435.892 |
| 31) | L7 AR-1260-1 | 6.276 | 6.250 | 225.9E6 | 115.3E6 | 479.366 | 451.204 |
| 32) | L7 AR-1260-2 | 6.466 | 6.438 | 276.1E6 | 132.5E6 | 463.567 | 441.258 |
| 33) | L7 AR-1260-3 | 6.833 | 6.590 | 196.5E6 | 122.9E6 | 404.805 | 425.130 |
| 34) | L7 AR-1260-4 | 7.093 | 7.061 | 180.2E6 | 84267581 | 424.947 | 391.799 |
| 35) | L7 AR-1260-5 | 7.335 | 7.302 | 409.9E6 | 182.8E6 | 391.944 | 366.611 |

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

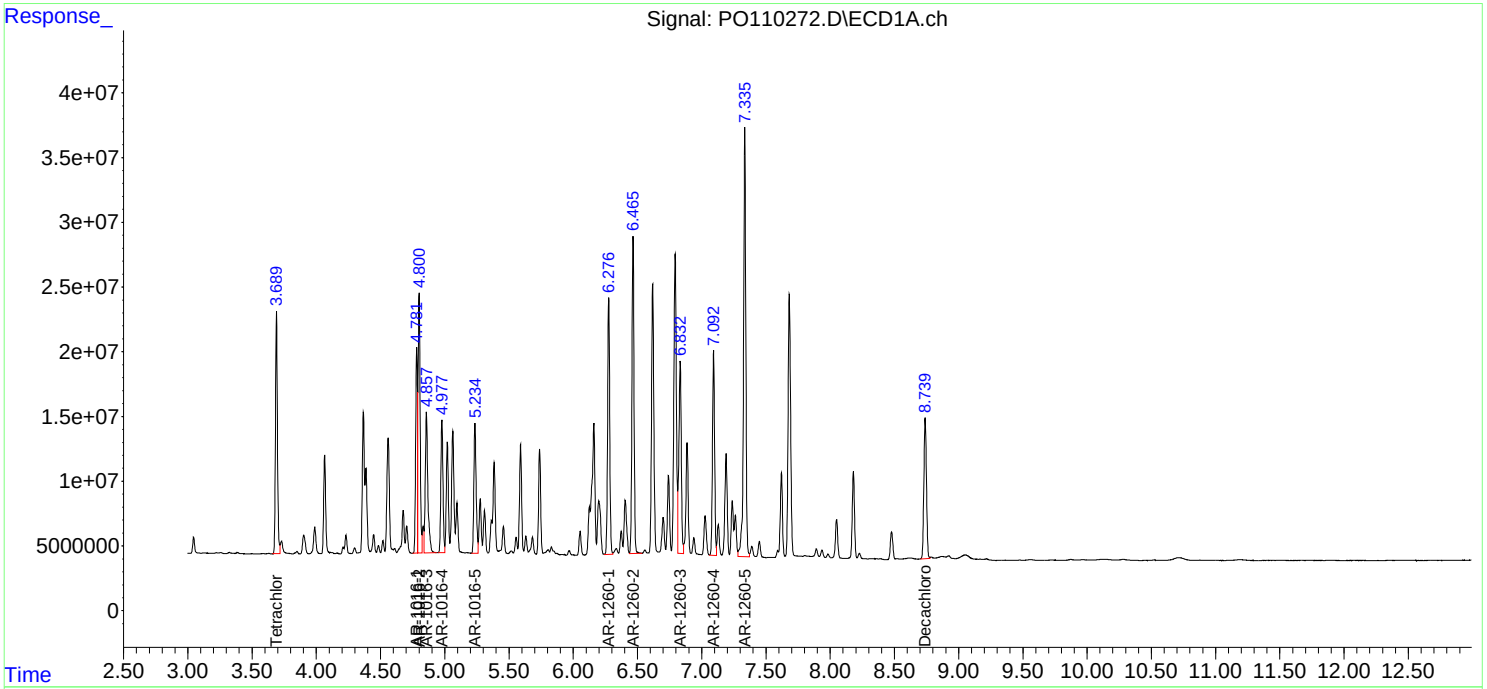
Sample Results: **PO110272.D**

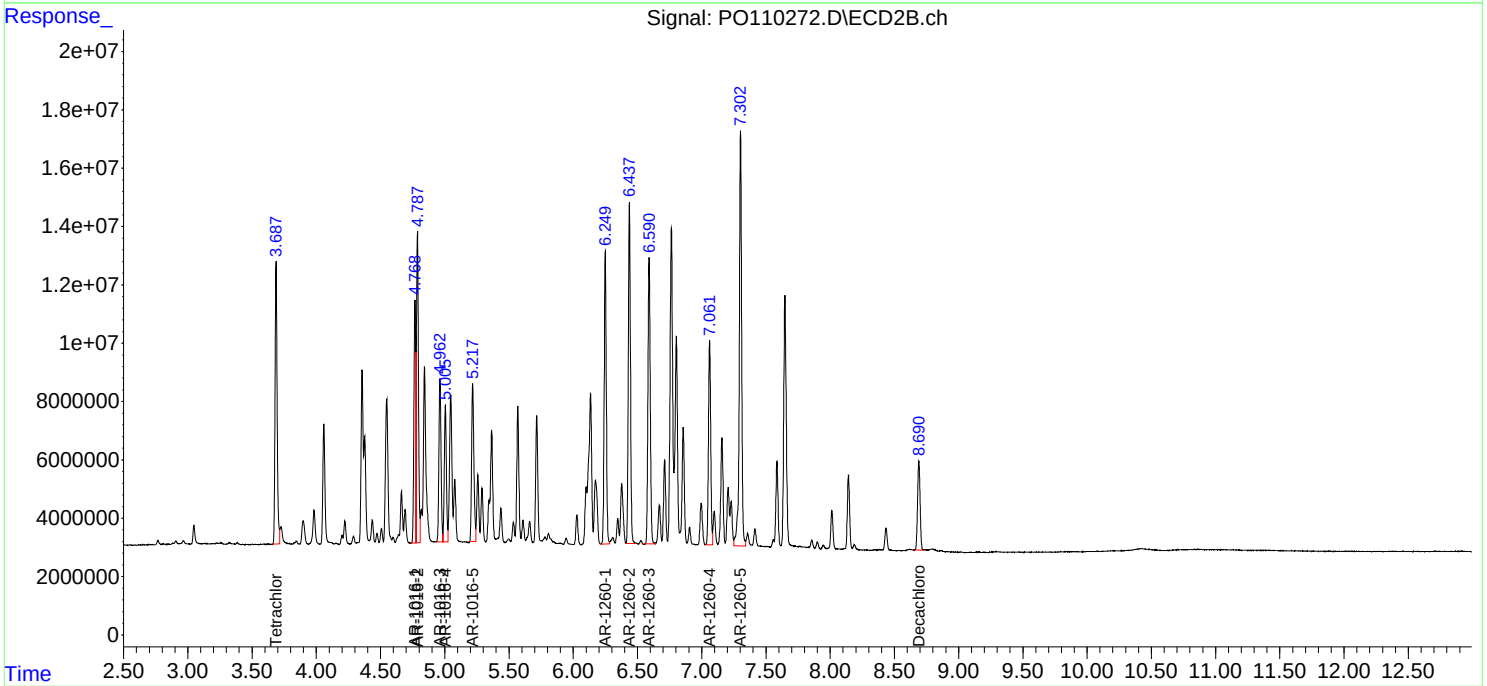
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110272.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 14:33
Operator : YP/AJ
Sample : Q1730-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

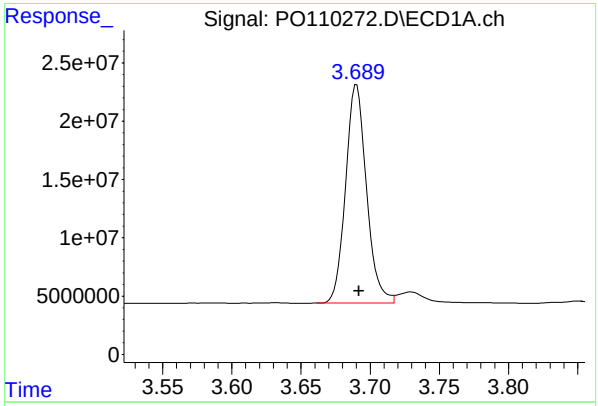
**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 07 14:58:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



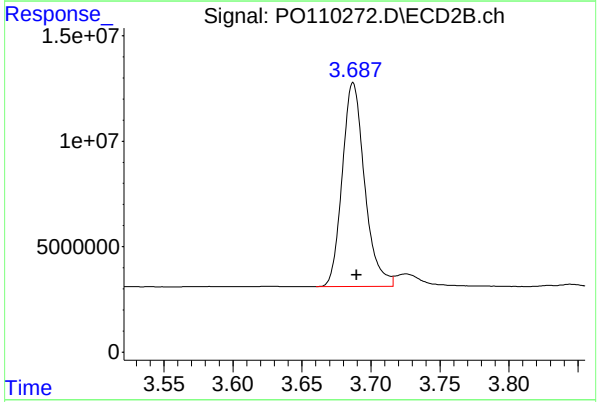






#1 Tetrachloro-m-xylene

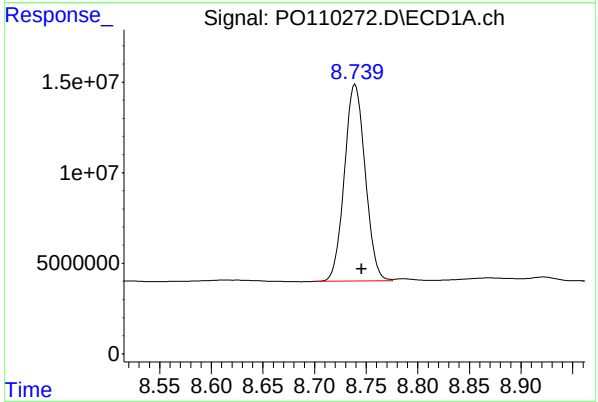
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 196895453
Conc: 21.63 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



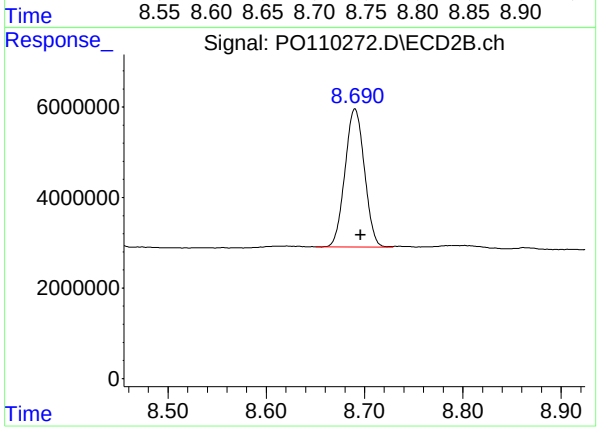

#1 Tetrachloro-m-xylene

R.T.: 3.687 min
Delta R.T.: -0.003 min
Response: 109050960
Conc: 20.79 ng/ml



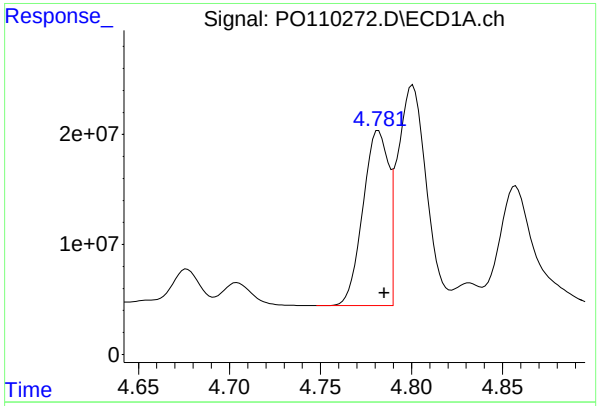

#2 Decachlorobiphenyl

R.T.: 8.739 min
Delta R.T.: -0.006 min
Response: 152232950
Conc: 19.80 ng/ml




#2 Decachlorobiphenyl

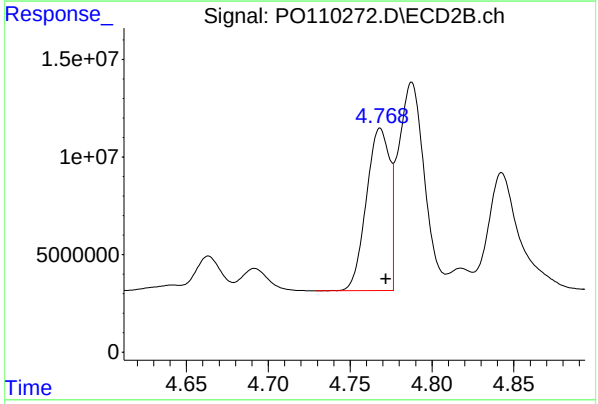
R.T.: 8.690 min
Delta R.T.: -0.006 min
Response: 41848584
Conc: 17.25 ng/ml




#3 AR-1016-1

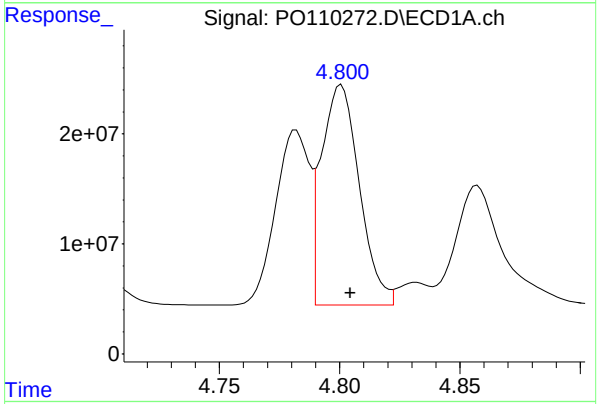
R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 156082810
Conc: 463.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



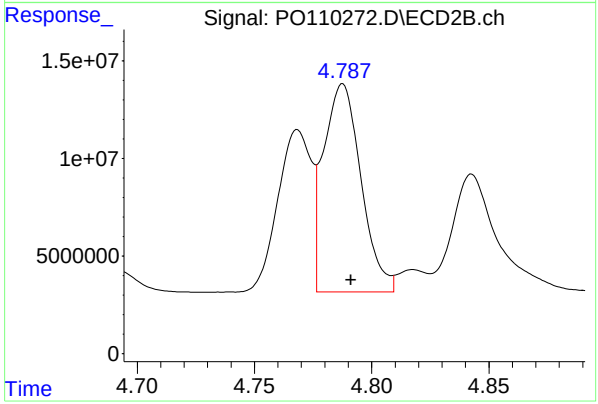

#3 AR-1016-1

R.T.: 4.768 min
Delta R.T.: -0.004 min
Response: 82580554
Conc: 450.63 ng/ml



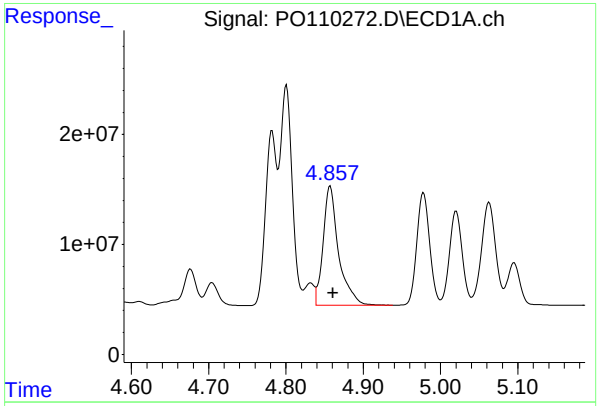

#4 AR-1016-2

R.T.: 4.801 min
Delta R.T.: -0.004 min
Response: 219302002
Conc: 472.95 ng/ml




#4 AR-1016-2

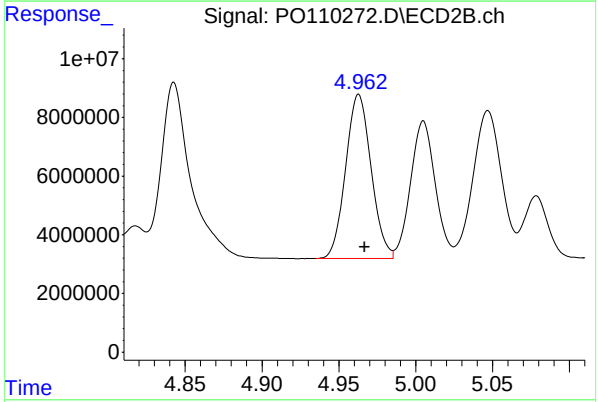
R.T.: 4.788 min
Delta R.T.: -0.004 min
Response: 118838816
Conc: 454.44 ng/ml




#5 AR-1016-3

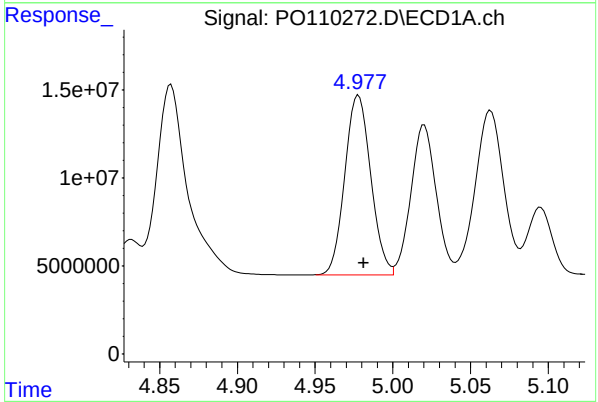
R.T.: 4.857 min
Delta R.T.: -0.004 min
Response: 151860738
Conc: 473.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



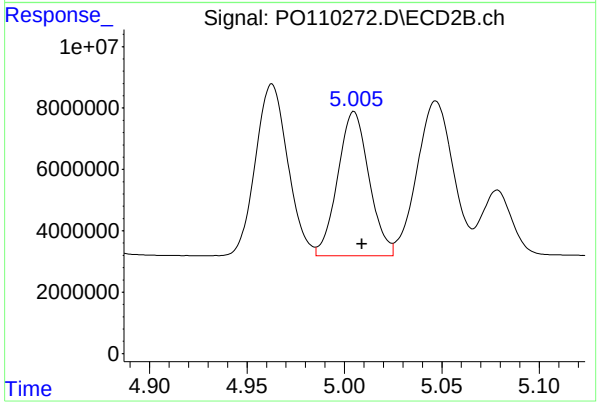

#5 AR-1016-3

R.T.: 4.963 min
Delta R.T.: -0.004 min
Response: 64490825
Conc: 454.87 ng/ml



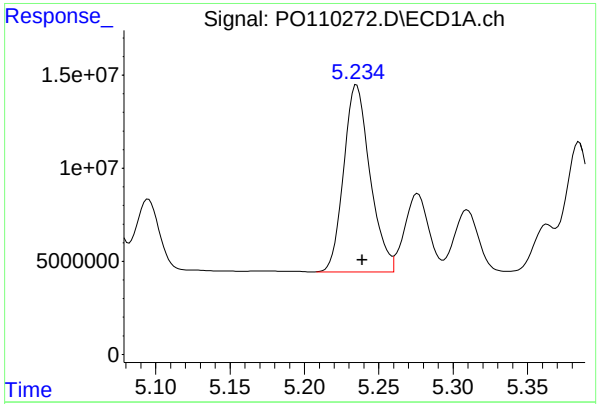

#6 AR-1016-4

R.T.: 4.978 min
Delta R.T.: -0.004 min
Response: 118784963
Conc: 470.08 ng/ml




#6 AR-1016-4

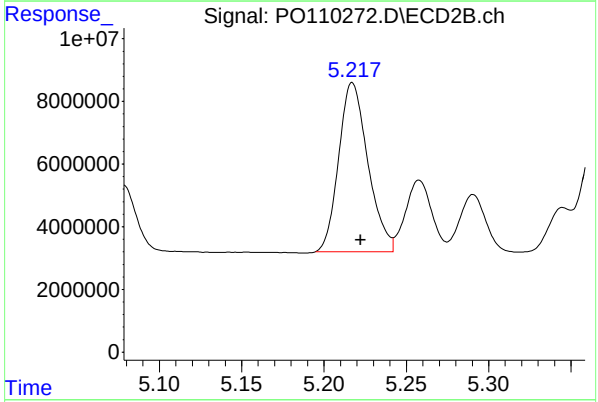
R.T.: 5.005 min
Delta R.T.: -0.004 min
Response: 52631687
Conc: 446.30 ng/ml




#7 AR-1016-5

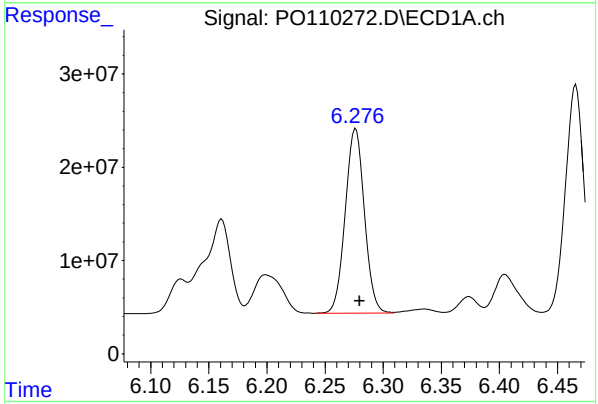
R.T.: 5.235 min
Delta R.T.: -0.004 min
Response: 123872515
Conc: 450.66 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



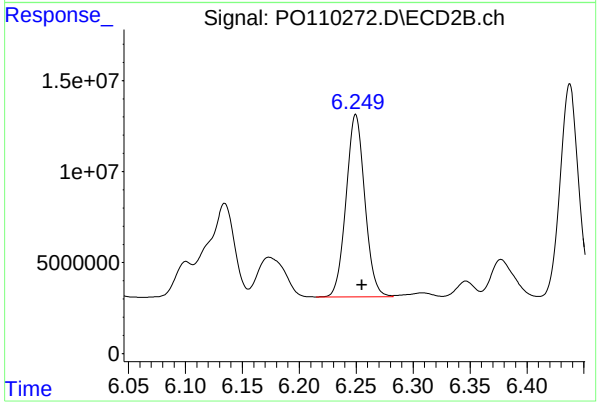

#7 AR-1016-5

R.T.: 5.217 min
Delta R.T.: -0.005 min
Response: 66656091
Conc: 435.89 ng/ml



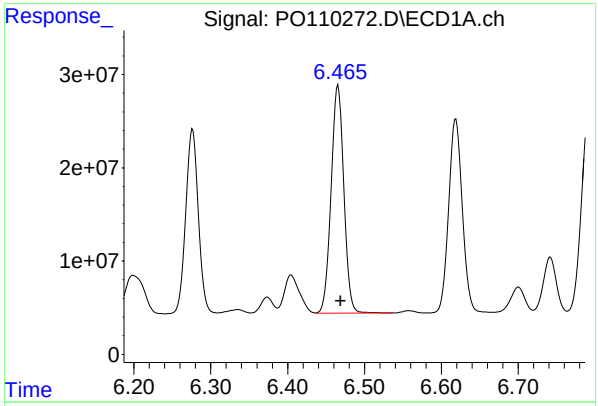

#31 AR-1260-1

R.T.: 6.276 min
Delta R.T.: -0.003 min
Response: 225949528
Conc: 479.37 ng/ml




#31 AR-1260-1

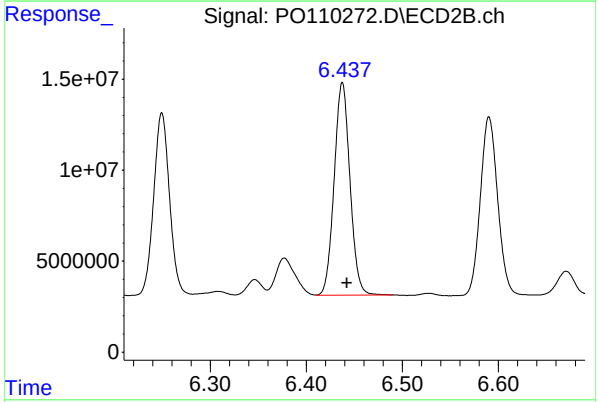
R.T.: 6.250 min
Delta R.T.: -0.005 min
Response: 115256374
Conc: 451.20 ng/ml




#32 AR-1260-2

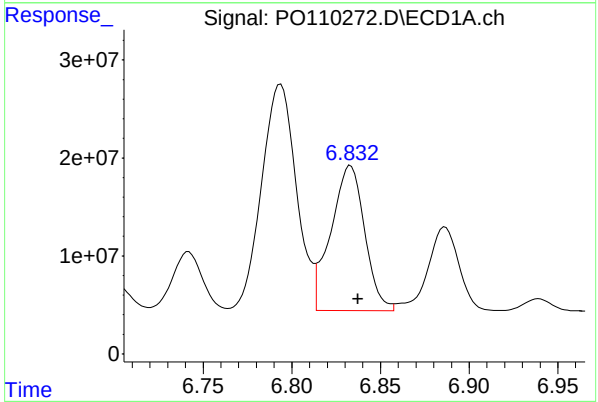
R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 276063046
Conc: 463.57 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



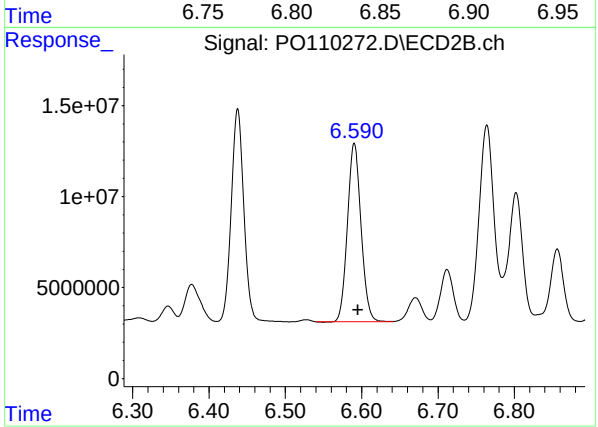

#32 AR-1260-2

R.T.: 6.438 min
Delta R.T.: -0.005 min
Response: 132503405
Conc: 441.26 ng/ml



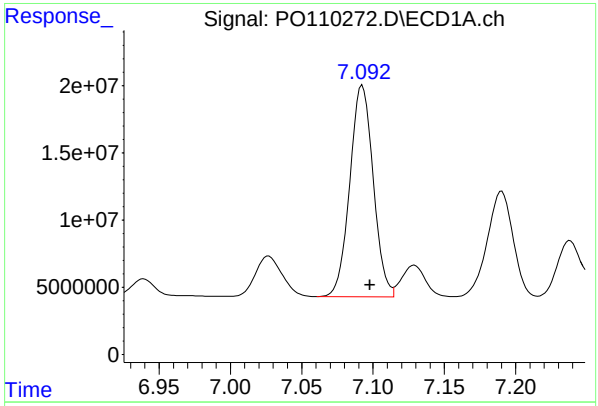

#33 AR-1260-3

R.T.: 6.833 min
Delta R.T.: -0.004 min
Response: 196452347
Conc: 404.80 ng/ml




#33 AR-1260-3

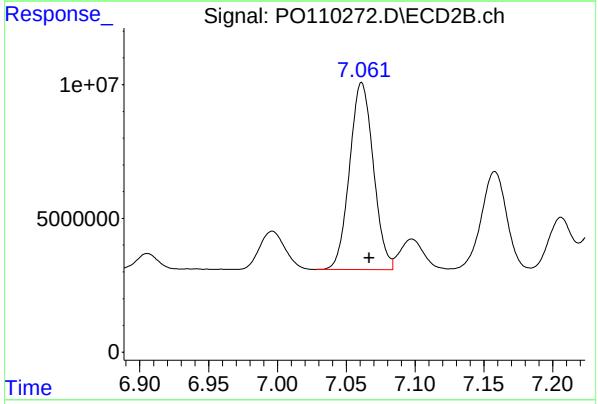
R.T.: 6.590 min
Delta R.T.: -0.005 min
Response: 122855008
Conc: 425.13 ng/ml




#34 AR-1260-4

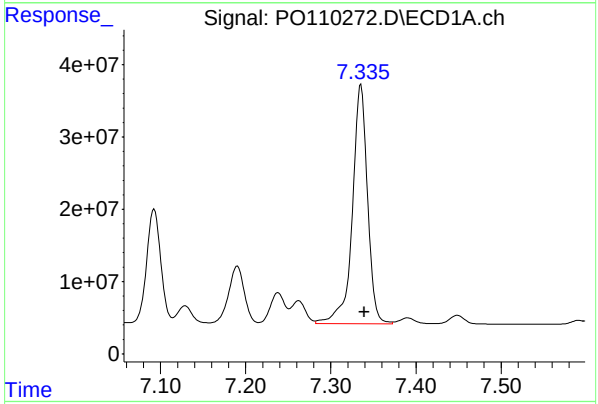
R.T.: 7.093 min
Delta R.T.: -0.005 min
Response: 180248679
Conc: 424.95 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
OU4-VSL-16-040325MSD



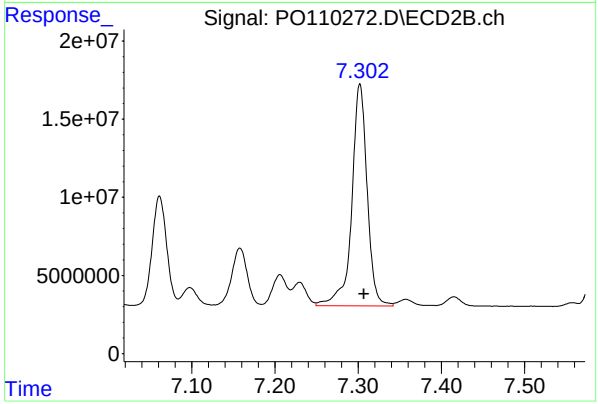

#34 AR-1260-4

R.T.: 7.061 min
Delta R.T.: -0.006 min
Response: 84267581
Conc: 391.80 ng/ml




#35 AR-1260-5

R.T.: 7.335 min
Delta R.T.: -0.004 min
Response: 409913112
Conc: 391.94 ng/ml




#35 AR-1260-5

R.T.: 7.302 min
Delta R.T.: -0.005 min
Response: 182827616
Conc: 366.61 ng/ml

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

# Manual Integration Report

| Sequence: | PO031925 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC750 | PO109973.D | AR-1260-5 #2 | yogesh | 3/19/2025 8:01:07 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1660ICC050 | PO109976.D | AR-1260-1 | yogesh | 3/19/2025 8:01:25 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1660ICC050 | PO109976.D | AR-1260-1 #2 | yogesh | 3/19/2025 8:01:25 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1660ICC050 | PO109976.D | AR-1260-3 #2 | yogesh | 3/19/2025 8:01:25 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | AR-1242-3 #2 | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | AR-1242-4 | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | AR-1242-5 | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | AR-1242-5 #2 | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | Tetrachloro-m-xylene | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1242ICC050 | PO109983.D | Tetrachloro-m-xylene #2 | yogesh | 3/19/2025 8:01:09 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1248ICC050 | PO109988.D | AR-1248-3 | yogesh | 3/19/2025 8:01:10 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1248ICC050 | PO109988.D | AR-1248-4 #2 | yogesh | 3/19/2025 8:01:10 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1254ICC050 | PO109993.D | AR-1254-5 #2 | yogesh | 3/19/2025 8:01:12 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | PO031925 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1268ICC500 | PO109997.D | AR-1268-1 | yogesh | 3/19/2025 8:01:13 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1268ICC250 | PO109998.D | AR-1268-1 | yogesh | 3/19/2025 8:01:15 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1268ICC050 | PO109999.D | AR-1268-1 | yogesh | 3/19/2025 8:01:16 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1268ICC050 | PO109999.D | AR-1268-4 | yogesh | 3/19/2025 8:01:16 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1268ICC050 | PO109999.D | Tetrachloro-m-xylene | yogesh | 3/19/2025 8:01:16 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |
| AR1268ICC050 | PO109999.D | Tetrachloro-m-xylene #2 | yogesh | 3/19/2025 8:01:16 AM | mohammad | 3/24/2025 3:02:46 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO040725 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PO110286.D | AR-1016-5 | yogesh | 4/8/2025 7:46:34 AM | mohammad | 4/9/2025 2:57:57 | Peak Integrated by Software |
| AR1660CCC500 | PO110286.D | AR-1016-5 #2 | yogesh | 4/8/2025 7:46:34 AM | mohammad | 4/9/2025 2:57:57 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO040825 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1254CCC500 | PO110295.D | AR-1254-1 | yogesh | 4/8/2025 2:56:17 PM | mohammad | 4/10/2025 5:29:43 | Peak Integrated by Software |
| AR1254CCC500 | PO110295.D | AR-1254-2 | yogesh | 4/8/2025 2:56:17 PM | mohammad | 4/10/2025 5:29:43 | Peak Integrated by Software |
| AR1254CCC500 | PO110295.D | AR-1254-4 #2 | yogesh | 4/8/2025 2:56:17 PM | mohammad | 4/10/2025 5:29:43 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP032725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PP070920.D | AR-1260-3 | yogesh | 3/28/2025 7:37:36 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC250 | PP070920.D | AR-1260-4 | yogesh | 3/28/2025 7:37:36 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC250 | PP070920.D | AR-1260-5 | yogesh | 3/28/2025 7:37:36 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC050 | PP070921.D | AR-1016-5 | yogesh | 3/28/2025 7:37:38 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC050 | PP070921.D | AR-1260-1 | yogesh | 3/28/2025 7:37:38 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC050 | PP070921.D | AR-1260-3 | yogesh | 3/28/2025 7:37:38 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC050 | PP070921.D | AR-1260-4 | yogesh | 3/28/2025 7:37:38 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1660ICC050 | PP070921.D | AR-1260-5 | yogesh | 3/28/2025 7:37:38 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1232ICC500 | PP070923.D | Decachlorobiphenyl | yogesh | 3/28/2025 7:37:40 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-1 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-2 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-2 #2 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-3 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP032725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242ICC050 | PP070928.D | AR-1242-4 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-4 #2 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-5 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1242ICC050 | PP070928.D | AR-1242-5 #2 | yogesh | 3/28/2025 7:37:42 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1248ICC050 | PP070933.D | AR-1248-2 | yogesh | 3/28/2025 7:37:44 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1248ICC050 | PP070933.D | AR-1248-3 | yogesh | 3/28/2025 7:37:44 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1248ICC050 | PP070933.D | AR-1248-4 | yogesh | 3/28/2025 7:37:44 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1248ICC050 | PP070933.D | AR-1248-5 | yogesh | 3/28/2025 7:37:44 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1254ICC1000 | PP070934.D | AR-1254-5 | yogesh | 3/28/2025 7:37:45 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1254ICC750 | PP070935.D | AR-1254-5 | yogesh | 3/28/2025 7:37:47 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1254ICC250 | PP070937.D | AR-1254-5 | yogesh | 3/28/2025 7:37:48 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC1000 | PP070940.D | AR-1268-1 #2 | yogesh | 3/28/2025 7:37:50 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC750 | PP070941.D | AR-1268-1 #2 | yogesh | 3/28/2025 7:37:51 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP032725 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1268ICC500 | PP070942.D | AR-1268-1 #2 | yogesh | 3/28/2025 7:37:53 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC250 | PP070943.D | AR-1268-1 #2 | yogesh | 3/28/2025 7:37:55 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC050 | PP070944.D | AR-1268-1 #2 | yogesh | 3/28/2025 7:37:56 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC050 | PP070944.D | AR-1268-4 #2 | yogesh | 3/28/2025 7:37:56 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1268ICC050 | PP070944.D | Tetrachloro-m-xylene | yogesh | 3/28/2025 7:37:56 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |
| AR1254ICV500 | PP070948.D | AR-1254-5 | yogesh | 3/28/2025 7:37:58 AM | mohammad | 3/31/2025 1:17:13 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PP040825 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PP071136.D | AR-1260-4 | yogesh | 4/9/2025 9:18:11 AM | mohammad | 4/10/2025 5:29:57 | Peak Integrated by Software |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 3:19:21 PM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:46 AM | | |
| SubDirectory | PO031925 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO109970.D | 18 Mar 2025 13:26 | YP/AJ | Ok |
| 2 | I.BLK | PO109971.D | 18 Mar 2025 13:44 | YP/AJ | Ok |
| 3 | AR1660ICC1000 | PO109972.D | 18 Mar 2025 14:03 | YP/AJ | Ok |
| 4 | AR1660ICC750 | PO109973.D | 18 Mar 2025 14:21 | YP/AJ | Ok,M |
| 5 | AR1660ICC500 | PO109974.D | 18 Mar 2025 14:39 | YP/AJ | Ok |
| 6 | AR1660ICC250 | PO109975.D | 18 Mar 2025 14:58 | YP/AJ | Ok |
| 7 | AR1660ICC050 | PO109976.D | 18 Mar 2025 15:16 | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | PO109977.D | 18 Mar 2025 15:34 | YP/AJ | Ok |
| 9 | AR1232ICC500 | PO109978.D | 18 Mar 2025 15:53 | YP/AJ | Ok |
| 10 | AR1242ICC1000 | PO109979.D | 18 Mar 2025 16:11 | YP/AJ | Ok |
| 11 | AR1242ICC750 | PO109980.D | 18 Mar 2025 16:30 | YP/AJ | Ok |
| 12 | AR1242ICC500 | PO109981.D | 18 Mar 2025 16:48 | YP/AJ | Ok |
| 13 | AR1242ICC250 | PO109982.D | 18 Mar 2025 17:06 | YP/AJ | Ok |
| 14 | AR1242ICC050 | PO109983.D | 18 Mar 2025 17:25 | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | PO109984.D | 18 Mar 2025 17:42 | YP/AJ | Ok |
| 16 | AR1248ICC750 | PO109985.D | 18 Mar 2025 18:00 | YP/AJ | Ok |
| 17 | AR1248ICC500 | PO109986.D | 18 Mar 2025 18:19 | YP/AJ | Ok |
| 18 | AR1248ICC250 | PO109987.D | 18 Mar 2025 18:37 | YP/AJ | Ok |
| 19 | AR1248ICC050 | PO109988.D | 18 Mar 2025 18:54 | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | PO109989.D | 18 Mar 2025 19:13 | YP/AJ | Ok |
| 21 | AR1254ICC750 | PO109990.D | 18 Mar 2025 19:31 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 3:19:21 PM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:46 AM | | |
| SubDirectory | PO031925 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PO109991.D | 18 Mar 2025 19:49 | YP/AJ | Ok |
| 23 | AR1254ICC250 | PO109992.D | 18 Mar 2025 20:07 | YP/AJ | Ok |
| 24 | AR1254ICC050 | PO109993.D | 18 Mar 2025 20:25 | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | PO109994.D | 18 Mar 2025 20:43 | YP/AJ | Ok |
| 26 | AR1268ICC1000 | PO109995.D | 18 Mar 2025 21:02 | YP/AJ | Ok |
| 27 | AR1268ICC750 | PO109996.D | 18 Mar 2025 21:20 | YP/AJ | Ok |
| 28 | AR1268ICC500 | PO109997.D | 18 Mar 2025 21:39 | YP/AJ | Ok,M |
| 29 | AR1268ICC250 | PO109998.D | 18 Mar 2025 21:57 | YP/AJ | Ok,M |
| 30 | AR1268ICC050 | PO109999.D | 18 Mar 2025 22:15 | YP/AJ | Ok,M |
| 31 | PO031925ICV500 | PO110000.D | 18 Mar 2025 22:34 | YP/AJ | Ok |
| 32 | AR1242ICV500 | PO110001.D | 18 Mar 2025 23:47 | YP/AJ | Ok |
| 33 | AR1248ICV500 | PO110002.D | 19 Mar 2025 00:05 | YP/AJ | Ok |
| 34 | AR1254ICV500 | PO110003.D | 19 Mar 2025 00:24 | YP/AJ | Ok |
| 35 | AR1268ICV500 | PO110004.D | 19 Mar 2025 00:42 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/7/2025 11:16:09 AM | | |
| Supervise By | mohammad | Supervise On | 4/9/2025 2:57:57 AM | | |
| SubDirectory | PO040725 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO110262.D | 07 Apr 2025 09:08 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO110263.D | 07 Apr 2025 09:46 | YP/AJ | Ok |
| 3 | AR1242CCC500 | PO110264.D | 07 Apr 2025 10:05 | YP/AJ | Ok |
| 4 | AR1248CCC500 | PO110265.D | 07 Apr 2025 10:23 | YP/AJ | Ok |
| 5 | AR1254CCC500 | PO110266.D | 07 Apr 2025 11:18 | YP/AJ | Ok |
| 6 | I.BLK | PO110267.D | 07 Apr 2025 11:36 | YP/AJ | Ok |
| 7 | Q1723-04DL | PO110268.D | 07 Apr 2025 12:14 | YP/AJ | Ok |
| 8 | Q1730-01 | PO110269.D | 07 Apr 2025 13:38 | YP/AJ | Ok |
| 9 | Q1730-03 | PO110270.D | 07 Apr 2025 13:56 | YP/AJ | Ok |
| 10 | Q1730-03MS | PO110271.D | 07 Apr 2025 14:15 | YP/AJ | Ok |
| 11 | Q1730-03MSD | PO110272.D | 07 Apr 2025 14:33 | YP/AJ | Ok |
| 12 | Q1736-01 | PO110273.D | 07 Apr 2025 14:51 | YP/AJ | Ok |
| 13 | Q1736-02 | PO110274.D | 07 Apr 2025 15:10 | YP/AJ | Ok |
| 14 | Q1737-01 | PO110275.D | 07 Apr 2025 15:28 | YP/AJ | Ok,M |
| 15 | Q1733-01 | PO110276.D | 07 Apr 2025 15:47 | YP/AJ | Ok,M |
| 16 | Q1735-01 | PO110277.D | 07 Apr 2025 16:05 | YP/AJ | Ok |
| 17 | AR1660CCC500 | PO110278.D | 07 Apr 2025 17:14 | YP/AJ | Ok |
| 18 | AR1242CCC500 | PO110279.D | 07 Apr 2025 18:09 | YP/AJ | Ok |
| 19 | AR1248CCC500 | PO110280.D | 07 Apr 2025 18:27 | YP/AJ | Ok |
| 20 | AR1254CCC500 | PO110281.D | 07 Apr 2025 18:45 | YP/AJ | Ok |
| 21 | I.BLK | PO110282.D | 07 Apr 2025 19:04 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/7/2025 11:16:09 AM | | |
| Supervise By | mohammad | Supervise On | 4/9/2025 2:57:57 AM | | |
| SubDirectory | PO040725 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB167469BL | PO110283.D | 07 Apr 2025 19:22 | YP/AJ | Ok |
| 23 | PB167469BS | PO110284.D | 07 Apr 2025 19:41 | YP/AJ | Ok |
| 24 | Q1738-01 | PO110285.D | 07 Apr 2025 19:59 | YP/AJ | Ok |
| 25 | AR1660CCC500 | PO110286.D | 07 Apr 2025 21:27 | YP/AJ | Ok,M |
| 26 | AR1242CCC500 | PO110287.D | 07 Apr 2025 22:22 | YP/AJ | Ok |
| 27 | AR1248CCC500 | PO110288.D | 07 Apr 2025 22:40 | YP/AJ | Ok |
| 28 | AR1254CCC500 | PO110289.D | 07 Apr 2025 22:59 | YP/AJ | Ok |
| 29 | I.BLK | PO110290.D | 07 Apr 2025 23:17 | YP/AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 10:42:21 AM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:43 AM | | |
| SubDirectory | PO040825 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO110291.D | 08 Apr 2025 08:31 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO110292.D | 08 Apr 2025 09:08 | YP/AJ | Ok |
| 3 | AR1242CCC500 | PO110293.D | 08 Apr 2025 09:27 | YP/AJ | Ok |
| 4 | AR1248CCC500 | PO110294.D | 08 Apr 2025 09:45 | YP/AJ | Ok |
| 5 | AR1254CCC500 | PO110295.D | 08 Apr 2025 10:04 | YP/AJ | Ok,M |
| 6 | I.BLK | PO110296.D | 08 Apr 2025 10:21 | YP/AJ | Ok |
| 7 | Q1730-05 | PO110297.D | 08 Apr 2025 10:39 | YP/AJ | Ok |
| 8 | Q1730-07 | PO110298.D | 08 Apr 2025 10:58 | YP/AJ | Ok |
| 9 | Q1730-09 | PO110299.D | 08 Apr 2025 11:16 | YP/AJ | Ok |
| 10 | Q1730-11 | PO110300.D | 08 Apr 2025 11:35 | YP/AJ | Ok |
| 11 | Q1730-13 | PO110301.D | 08 Apr 2025 11:53 | YP/AJ | Ok |
| 12 | AR1660CCC500 | PO110302.D | 08 Apr 2025 12:58 | YP/AJ | Ok |
| 13 | AR1242CCC500 | PO110303.D | 08 Apr 2025 13:17 | YP/AJ | Ok |
| 14 | AR1248CCC500 | PO110304.D | 08 Apr 2025 13:35 | YP/AJ | Ok |
| 15 | AR1254CCC500 | PO110305.D | 08 Apr 2025 13:53 | YP/AJ | Ok |
| 16 | I.BLK | PO110306.D | 08 Apr 2025 14:12 | YP/AJ | Ok |
| 17 | PB167515BL | PO110307.D | 08 Apr 2025 14:30 | YP/AJ | Ok |
| 18 | PB167515BS | PO110308.D | 08 Apr 2025 14:49 | YP/AJ | Ok |
| 19 | PB167515BSD | PO110309.D | 08 Apr 2025 15:07 | YP/AJ | Ok |
| 20 | Q1735-04 | PO110310.D | 08 Apr 2025 15:25 | YP/AJ | Ok |
| 21 | Q1746-05 | PO110311.D | 08 Apr 2025 15:44 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 10:42:21 AM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:43 AM | | |
| SubDirectory | PO040825 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q1746-06 | PO110312.D | 08 Apr 2025 16:02 | YP/AJ | Ok |
| 23 | Q1746-07 | PO110313.D | 08 Apr 2025 16:20 | YP/AJ | Ok |
| 24 | Q1739-01 | PO110314.D | 08 Apr 2025 16:39 | YP/AJ | Ok,M |
| 25 | AR1660CCC500 | PO110315.D | 08 Apr 2025 17:54 | YP/AJ | Ok |
| 26 | AR1242CCC500 | PO110316.D | 08 Apr 2025 18:49 | YP/AJ | Ok |
| 27 | AR1248CCC500 | PO110317.D | 08 Apr 2025 19:08 | YP/AJ | Ok |
| 28 | AR1254CCC500 | PO110318.D | 08 Apr 2025 19:25 | YP/AJ | Ok |
| 29 | I.BLK | PO110319.D | 08 Apr 2025 19:43 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/27/2025 12:19:10 PM | | |
| Supervise By | mohammad | Supervise On | 3/31/2025 1:17:13 AM | | |
| SubDirectory | PP032725 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP070915.D | 27 Mar 2025 09:58 | YP\AJ | Ok |
| 2 | I.BLK | PP070916.D | 27 Mar 2025 10:14 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP070917.D | 27 Mar 2025 10:30 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP070918.D | 27 Mar 2025 10:47 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP070919.D | 27 Mar 2025 11:03 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP070920.D | 27 Mar 2025 11:19 | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | PP070921.D | 27 Mar 2025 11:35 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP070922.D | 27 Mar 2025 11:52 | YP\AJ | Ok |
| 9 | AR1232ICC500 | PP070923.D | 27 Mar 2025 12:11 | YP\AJ | Ok,M |
| 10 | AR1242ICC1000 | PP070924.D | 27 Mar 2025 12:28 | YP\AJ | Ok |
| 11 | AR1242ICC750 | PP070925.D | 27 Mar 2025 12:44 | YP\AJ | Ok |
| 12 | AR1242ICC500 | PP070926.D | 27 Mar 2025 13:00 | YP\AJ | Ok |
| 13 | AR1242ICC250 | PP070927.D | 27 Mar 2025 13:16 | YP\AJ | Ok |
| 14 | AR1242ICC050 | PP070928.D | 27 Mar 2025 13:33 | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | PP070929.D | 27 Mar 2025 13:49 | YP\AJ | Ok |
| 16 | AR1248ICC750 | PP070930.D | 27 Mar 2025 14:05 | YP\AJ | Ok |
| 17 | AR1248ICC500 | PP070931.D | 27 Mar 2025 14:22 | YP\AJ | Ok |
| 18 | AR1248ICC250 | PP070932.D | 27 Mar 2025 14:38 | YP\AJ | Ok |
| 19 | AR1248ICC050 | PP070933.D | 27 Mar 2025 14:55 | YP\AJ | Ok,M |
| 20 | AR1254ICC1000 | PP070934.D | 27 Mar 2025 15:11 | YP\AJ | Ok,M |
| 21 | AR1254ICC750 | PP070935.D | 27 Mar 2025 15:27 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/27/2025 12:19:10 PM | | |
| Supervise By | mohammad | Supervise On | 3/31/2025 1:17:13 AM | | |
| SubDirectory | PP032725 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PP070936.D | 27 Mar 2025 15:43 | YP\AJ | Ok |
| 23 | AR1254ICC250 | PP070937.D | 27 Mar 2025 16:00 | YP\AJ | Ok,M |
| 24 | AR1254ICC050 | PP070938.D | 27 Mar 2025 16:16 | YP\AJ | Ok |
| 25 | AR1262ICC500 | PP070939.D | 27 Mar 2025 16:32 | YP\AJ | Ok |
| 26 | AR1268ICC1000 | PP070940.D | 27 Mar 2025 16:48 | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | PP070941.D | 27 Mar 2025 17:05 | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | PP070942.D | 27 Mar 2025 17:21 | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | PP070943.D | 27 Mar 2025 17:37 | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | PP070944.D | 27 Mar 2025 17:53 | YP\AJ | Ok,M |
| 31 | PP032725ICV500 | PP070945.D | 27 Mar 2025 18:26 | YP\AJ | Ok |
| 32 | AR1242ICV500 | PP070946.D | 27 Mar 2025 18:42 | YP\AJ | Ok |
| 33 | AR1248ICV500 | PP070947.D | 27 Mar 2025 19:15 | YP\AJ | Ok |
| 34 | AR1254ICV500 | PP070948.D | 27 Mar 2025 19:47 | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | PP070949.D | 27 Mar 2025 20:20 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 3:06:55 PM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:57 AM | | |
| SubDirectory | PP040825 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP071135.D | 08 Apr 2025 08:39 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP071136.D | 08 Apr 2025 09:37 | YP\AJ | Ok,M |
| 3 | AR1242CCC500 | PP071137.D | 08 Apr 2025 09:56 | YP\AJ | Ok |
| 4 | AR1248CCC500 | PP071138.D | 08 Apr 2025 10:33 | YP\AJ | Ok |
| 5 | AR1254CCC500 | PP071139.D | 08 Apr 2025 10:49 | YP\AJ | Ok |
| 6 | I.BLK | PP071140.D | 08 Apr 2025 11:05 | YP\AJ | Ok |
| 7 | PB167469BL | PP071141.D | 08 Apr 2025 11:23 | YP\AJ | Not Ok |
| 8 | Q1730-15 | PP071142.D | 08 Apr 2025 11:39 | YP\AJ | Ok |
| 9 | Q1730-17 | PP071143.D | 08 Apr 2025 11:56 | YP\AJ | Ok |
| 10 | Q1730-19 | PP071144.D | 08 Apr 2025 12:12 | YP\AJ | Ok |
| 11 | Q1740-01 | PP071145.D | 08 Apr 2025 13:08 | YP\AJ | Ok |
| 12 | Q1742-01 | PP071146.D | 08 Apr 2025 13:25 | YP\AJ | Ok,M |
| 13 | Q1742-01MS | PP071147.D | 08 Apr 2025 13:41 | YP\AJ | Ok,M |
| 14 | Q1742-01MSD | PP071148.D | 08 Apr 2025 13:57 | YP\AJ | Ok,M |
| 15 | Q1743-01 | PP071149.D | 08 Apr 2025 14:14 | YP\AJ | Ok,M |
| 16 | Q1744-01 | PP071150.D | 08 Apr 2025 14:30 | YP\AJ | Ok |
| 17 | AR1660CCC500 | PP071151.D | 08 Apr 2025 15:29 | YP\AJ | Ok |
| 18 | AR1242CCC500 | PP071152.D | 08 Apr 2025 16:02 | YP\AJ | Ok |
| 19 | AR1248CCC500 | PP071153.D | 08 Apr 2025 16:18 | YP\AJ | Ok |
| 20 | AR1254CCC500 | PP071154.D | 08 Apr 2025 16:34 | YP\AJ | Ok |
| 21 | I.BLK | PP071155.D | 08 Apr 2025 16:51 | YP\AJ | Ok |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 3:06:55 PM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:57 AM | | |
| SubDirectory | PP040825 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344 ,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP2435 9,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | PB167507BL | PP071156.D | 08 Apr 2025 17:07 | YP\AJ | Ok |
| 23 | PB167507BS | PP071157.D | 08 Apr 2025 17:23 | YP\AJ | Ok |
| 24 | Q1744-03 | PP071158.D | 08 Apr 2025 17:40 | YP\AJ | Ok |
| 25 | Q1745-01 | PP071159.D | 08 Apr 2025 17:56 | YP\AJ | Ok,M |
| 26 | Q1745-09 | PP071160.D | 08 Apr 2025 18:12 | YP\AJ | Ok,M |
| 27 | Q1746-01 | PP071161.D | 08 Apr 2025 18:28 | YP\AJ | Ok |
| 28 | Q1746-03 | PP071162.D | 08 Apr 2025 18:45 | YP\AJ | Ok |
| 29 | Q1747-01 | PP071163.D | 08 Apr 2025 19:01 | YP\AJ | Ok,M |
| 30 | AR1660CCC500 | PP071164.D | 08 Apr 2025 20:28 | YP\AJ | Ok |
| 31 | AR1242CCC500 | PP071165.D | 08 Apr 2025 21:17 | YP\AJ | Ok |
| 32 | AR1248CCC500 | PP071166.D | 08 Apr 2025 21:33 | YP\AJ | Ok |
| 33 | AR1254CCC500 | PP071167.D | 08 Apr 2025 21:49 | YP\AJ | Ok |
| 34 | I.BLK | PP071168.D | 08 Apr 2025 22:05 | YP\AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 3:19:21 PM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:46 AM | | |
| SubDirectory | PO031925 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO109970.D | 18 Mar 2025 13:26 | | YP/AJ | Ok |
| 2 | I.BLK | I.BLK | PO109971.D | 18 Mar 2025 13:44 | | YP/AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PO109972.D | 18 Mar 2025 14:03 | | YP/AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PO109973.D | 18 Mar 2025 14:21 | | YP/AJ | Ok,M |
| 5 | AR1660ICC500 | AR1660ICC500 | PO109974.D | 18 Mar 2025 14:39 | | YP/AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PO109975.D | 18 Mar 2025 14:58 | | YP/AJ | Ok |
| 7 | AR1660ICC050 | AR1660ICC050 | PO109976.D | 18 Mar 2025 15:16 | | YP/AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PO109977.D | 18 Mar 2025 15:34 | | YP/AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PO109978.D | 18 Mar 2025 15:53 | | YP/AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PO109979.D | 18 Mar 2025 16:11 | | YP/AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PO109980.D | 18 Mar 2025 16:30 | | YP/AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PO109981.D | 18 Mar 2025 16:48 | | YP/AJ | Ok |
| 13 | AR1242ICC250 | AR1242ICC250 | PO109982.D | 18 Mar 2025 17:06 | | YP/AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PO109983.D | 18 Mar 2025 17:25 | | YP/AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PO109984.D | 18 Mar 2025 17:42 | | YP/AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PO109985.D | 18 Mar 2025 18:00 | | YP/AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PO109986.D | 18 Mar 2025 18:19 | | YP/AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PO109987.D | 18 Mar 2025 18:37 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO031925

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/18/2025 3:19:21 PM | | |
| Supervise By | mohammad | Supervise On | 3/24/2025 3:02:46 AM | | |
| SubDirectory | PO031925 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PO109988.D | 18 Mar 2025 18:54 | | YP/AJ | Ok,M |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PO109989.D | 18 Mar 2025 19:13 | | YP/AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PO109990.D | 18 Mar 2025 19:31 | | YP/AJ | Ok |
| 22 | AR1254ICC500 | AR1254ICC500 | PO109991.D | 18 Mar 2025 19:49 | | YP/AJ | Ok |
| 23 | AR1254ICC250 | AR1254ICC250 | PO109992.D | 18 Mar 2025 20:07 | | YP/AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PO109993.D | 18 Mar 2025 20:25 | | YP/AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PO109994.D | 18 Mar 2025 20:43 | | YP/AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PO109995.D | 18 Mar 2025 21:02 | | YP/AJ | Ok |
| 27 | AR1268ICC750 | AR1268ICC750 | PO109996.D | 18 Mar 2025 21:20 | | YP/AJ | Ok |
| 28 | AR1268ICC500 | AR1268ICC500 | PO109997.D | 18 Mar 2025 21:39 | | YP/AJ | Ok,M |
| 29 | AR1268ICC250 | AR1268ICC250 | PO109998.D | 18 Mar 2025 21:57 | | YP/AJ | Ok,M |
| 30 | AR1268ICC050 | AR1268ICC050 | PO109999.D | 18 Mar 2025 22:15 | | YP/AJ | Ok,M |
| 31 | PO031925ICV500 | ICVPO031925 | PO110000.D | 18 Mar 2025 22:34 | | YP/AJ | Ok |
| 32 | AR1242ICV500 | ICVPO031925AR1242 | PO110001.D | 18 Mar 2025 23:47 | | YP/AJ | Ok |
| 33 | AR1248ICV500 | ICVPO031925AR1248 | PO110002.D | 19 Mar 2025 00:05 | | YP/AJ | Ok |
| 34 | AR1254ICV500 | ICVPO031925AR1254 | PO110003.D | 19 Mar 2025 00:24 | | YP/AJ | Ok |
| 35 | AR1268ICV500 | ICVPO031925AR1268 | PO110004.D | 19 Mar 2025 00:42 | | YP/AJ | Ok |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/7/2025 11:16:09 AM | | |
| Supervise By | mohammad | Supervise On | 4/9/2025 2:57:57 AM | | |
| SubDirectory | PO040725 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO110262.D | 07 Apr 2025 09:08 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO110263.D | 07 Apr 2025 09:46 | | YP/AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PO110264.D | 07 Apr 2025 10:05 | | YP/AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PO110265.D | 07 Apr 2025 10:23 | | YP/AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PO110266.D | 07 Apr 2025 11:18 | | YP/AJ | Ok |
| 6 | I.BLK | I.BLK | PO110267.D | 07 Apr 2025 11:36 | | YP/AJ | Ok |
| 7 | Q1723-04DL | GAS-AUD-25-0037DL | PO110268.D | 07 Apr 2025 12:14 | AR1254 Hit | YP/AJ | Ok |
| 8 | Q1730-01 | OU4-VSL-15-040325 | PO110269.D | 07 Apr 2025 13:38 | | YP/AJ | Ok |
| 9 | Q1730-03 | OU4-VSL-16-040325 | PO110270.D | 07 Apr 2025 13:56 | | YP/AJ | Ok |
| 10 | Q1730-03MS | OU4-VSL-16-040325MS | PO110271.D | 07 Apr 2025 14:15 | | YP/AJ | Ok |
| 11 | Q1730-03MSD | OU4-VSL-16-040325MS | PO110272.D | 07 Apr 2025 14:33 | | YP/AJ | Ok |
| 12 | Q1736-01 | GST1 | PO110273.D | 07 Apr 2025 14:51 | | YP/AJ | Ok |
| 13 | Q1736-02 | GST2 | PO110274.D | 07 Apr 2025 15:10 | | YP/AJ | Ok |
| 14 | Q1737-01 | RT3069 | PO110275.D | 07 Apr 2025 15:28 | AR1260 hit | YP/AJ | Ok,M |
| 15 | Q1733-01 | ETGI-328 | PO110276.D | 07 Apr 2025 15:47 | | YP/AJ | Ok,M |
| 16 | Q1735-01 | 50660-50661-50662-56 | PO110277.D | 07 Apr 2025 16:05 | | YP/AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PO110278.D | 07 Apr 2025 17:14 | | YP/AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PO110279.D | 07 Apr 2025 18:09 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/7/2025 11:16:09 AM | | |
| Supervise By | mohammad | Supervise On | 4/9/2025 2:57:57 AM | | |
| SubDirectory | PO040725 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PO110280.D | 07 Apr 2025 18:27 | | YP/AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PO110281.D | 07 Apr 2025 18:45 | | YP/AJ | Ok |
| 21 | I.BLK | I.BLK | PO110282.D | 07 Apr 2025 19:04 | | YP/AJ | Ok |
| 22 | PB167469BL | PB167469BL | PO110283.D | 07 Apr 2025 19:22 | | YP/AJ | Ok |
| 23 | PB167469BS | PB167469BS | PO110284.D | 07 Apr 2025 19:41 | | YP/AJ | Ok |
| 24 | Q1738-01 | OK-02-040425 | PO110285.D | 07 Apr 2025 19:59 | | YP/AJ | Ok |
| 25 | AR1660CCC500 | AR1660CCC500 | PO110286.D | 07 Apr 2025 21:27 | | YP/AJ | Ok,M |
| 26 | AR1242CCC500 | AR1242CCC500 | PO110287.D | 07 Apr 2025 22:22 | | YP/AJ | Ok |
| 27 | AR1248CCC500 | AR1248CCC500 | PO110288.D | 07 Apr 2025 22:40 | | YP/AJ | Ok |
| 28 | AR1254CCC500 | AR1254CCC500 | PO110289.D | 07 Apr 2025 22:59 | | YP/AJ | Ok |
| 29 | I.BLK | I.BLK | PO110290.D | 07 Apr 2025 23:17 | | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 10:42:21 AM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:43 AM | | |
| SubDirectory | PO040825 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO110291.D | 08 Apr 2025 08:31 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO110292.D | 08 Apr 2025 09:08 | | YP/AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PO110293.D | 08 Apr 2025 09:27 | | YP/AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PO110294.D | 08 Apr 2025 09:45 | | YP/AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PO110295.D | 08 Apr 2025 10:04 | | YP/AJ | Ok,M |
| 6 | I.BLK | I.BLK | PO110296.D | 08 Apr 2025 10:21 | | YP/AJ | Ok |
| 7 | Q1730-05 | OU4-VSL-17-040325 | PO110297.D | 08 Apr 2025 10:39 | | YP/AJ | Ok |
| 8 | Q1730-07 | OU4-PCS-TC-21-04032 | PO110298.D | 08 Apr 2025 10:58 | | YP/AJ | Ok |
| 9 | Q1730-09 | OU4-PCS-TC-22-04032 | PO110299.D | 08 Apr 2025 11:16 | | YP/AJ | Ok |
| 10 | Q1730-11 | OU4-PCS-TC-23-04032 | PO110300.D | 08 Apr 2025 11:35 | | YP/AJ | Ok |
| 11 | Q1730-13 | OU4-PCS-TC-24-04032 | PO110301.D | 08 Apr 2025 11:53 | | YP/AJ | Ok |
| 12 | AR1660CCC500 | AR1660CCC500 | PO110302.D | 08 Apr 2025 12:58 | | YP/AJ | Ok |
| 13 | AR1242CCC500 | AR1242CCC500 | PO110303.D | 08 Apr 2025 13:17 | | YP/AJ | Ok |
| 14 | AR1248CCC500 | AR1248CCC500 | PO110304.D | 08 Apr 2025 13:35 | | YP/AJ | Ok |
| 15 | AR1254CCC500 | AR1254CCC500 | PO110305.D | 08 Apr 2025 13:53 | | YP/AJ | Ok |
| 16 | I.BLK | I.BLK | PO110306.D | 08 Apr 2025 14:12 | | YP/AJ | Ok |
| 17 | PB167515BL | PB167515BL | PO110307.D | 08 Apr 2025 14:30 | | YP/AJ | Ok |
| 18 | PB167515BS | PB167515BS | PO110308.D | 08 Apr 2025 14:49 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 10:42:21 AM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:43 AM | | |
| SubDirectory | PO040825 | HP Acquire Method | | HP Processing Method | PO031925 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | PB167515BSD | PB167515BSD | PO110309.D | 08 Apr 2025 15:07 | | YP/AJ | Ok |
| 20 | Q1735-04 | 0401-A-0401-B-COMP | PO110310.D | 08 Apr 2025 15:25 | | YP/AJ | Ok |
| 21 | Q1746-05 | B-158-GW01 | PO110311.D | 08 Apr 2025 15:44 | | YP/AJ | Ok |
| 22 | Q1746-06 | B-149-GW01 | PO110312.D | 08 Apr 2025 16:02 | | YP/AJ | Ok |
| 23 | Q1746-07 | EB-2025-4-7 | PO110313.D | 08 Apr 2025 16:20 | | YP/AJ | Ok |
| 24 | Q1739-01 | WC-LIQUID-20250404 | PO110314.D | 08 Apr 2025 16:39 | AR1254 Hit | YP/AJ | Ok,M |
| 25 | AR1660CCC500 | AR1660CCC500 | PO110315.D | 08 Apr 2025 17:54 | | YP/AJ | Ok |
| 26 | AR1242CCC500 | AR1242CCC500 | PO110316.D | 08 Apr 2025 18:49 | | YP/AJ | Ok |
| 27 | AR1248CCC500 | AR1248CCC500 | PO110317.D | 08 Apr 2025 19:08 | | YP/AJ | Ok |
| 28 | AR1254CCC500 | AR1254CCC500 | PO110318.D | 08 Apr 2025 19:25 | | YP/AJ | Ok |
| 29 | I.BLK | I.BLK | PO110319.D | 08 Apr 2025 19:43 | | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/27/2025 12:19:10 PM | | |
| Supervise By | mohammad | Supervise On | 3/31/2025 1:17:13 AM | | |
| SubDirectory | PP032725 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP070915.D | 27 Mar 2025 09:58 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP070916.D | 27 Mar 2025 10:14 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP070917.D | 27 Mar 2025 10:30 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP070918.D | 27 Mar 2025 10:47 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP070919.D | 27 Mar 2025 11:03 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP070920.D | 27 Mar 2025 11:19 | | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PP070921.D | 27 Mar 2025 11:35 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP070922.D | 27 Mar 2025 11:52 | | YP\AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PP070923.D | 27 Mar 2025 12:11 | | YP\AJ | Ok,M |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PP070924.D | 27 Mar 2025 12:28 | | YP\AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PP070925.D | 27 Mar 2025 12:44 | | YP\AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PP070926.D | 27 Mar 2025 13:00 | | YP\AJ | Ok |
| 13 | AR1242ICC250 | AR1242ICC250 | PP070927.D | 27 Mar 2025 13:16 | | YP\AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PP070928.D | 27 Mar 2025 13:33 | | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PP070929.D | 27 Mar 2025 13:49 | | YP\AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PP070930.D | 27 Mar 2025 14:05 | | YP\AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PP070931.D | 27 Mar 2025 14:22 | | YP\AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PP070932.D | 27 Mar 2025 14:38 | | YP\AJ | Ok |

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Fax : 908 789 8922

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP032725

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 3/27/2025 12:19:10 PM | | |
| Supervise By | mohammad | Supervise On | 3/31/2025 1:17:13 AM | | |
| SubDirectory | PP032725 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PP070933.D | 27 Mar 2025 14:55 | | YP\AJ | Ok,M |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PP070934.D | 27 Mar 2025 15:11 | | YP\AJ | Ok,M |
| 21 | AR1254ICC750 | AR1254ICC750 | PP070935.D | 27 Mar 2025 15:27 | | YP\AJ | Ok,M |
| 22 | AR1254ICC500 | AR1254ICC500 | PP070936.D | 27 Mar 2025 15:43 | | YP\AJ | Ok |
| 23 | AR1254ICC250 | AR1254ICC250 | PP070937.D | 27 Mar 2025 16:00 | | YP\AJ | Ok,M |
| 24 | AR1254ICC050 | AR1254ICC050 | PP070938.D | 27 Mar 2025 16:16 | | YP\AJ | Ok |
| 25 | AR1262ICC500 | AR1262ICC500 | PP070939.D | 27 Mar 2025 16:32 | | YP\AJ | Ok |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PP070940.D | 27 Mar 2025 16:48 | | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | AR1268ICC750 | PP070941.D | 27 Mar 2025 17:05 | | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | AR1268ICC500 | PP070942.D | 27 Mar 2025 17:21 | | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | AR1268ICC250 | PP070943.D | 27 Mar 2025 17:37 | | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | AR1268ICC050 | PP070944.D | 27 Mar 2025 17:53 | | YP\AJ | Ok,M |
| 31 | PP032725ICV500 | ICVPP032725 | PP070945.D | 27 Mar 2025 18:26 | | YP\AJ | Ok |
| 32 | AR1242ICV500 | ICVPP032725AR1242 | PP070946.D | 27 Mar 2025 18:42 | | YP\AJ | Ok |
| 33 | AR1248ICV500 | ICVPP032725AR1248 | PP070947.D | 27 Mar 2025 19:15 | | YP\AJ | Ok |
| 34 | AR1254ICV500 | ICVPP032725AR1254 | PP070948.D | 27 Mar 2025 19:47 | | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | ICVPP032725AR1268 | PP070949.D | 27 Mar 2025 20:20 | | YP\AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 3:06:55 PM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:57 AM | | |
| SubDirectory | PP040825 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP071135.D | 08 Apr 2025 08:39 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP071136.D | 08 Apr 2025 09:37 | | YP\AJ | Ok,M |
| 3 | AR1242CCC500 | AR1242CCC500 | PP071137.D | 08 Apr 2025 09:56 | | YP\AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PP071138.D | 08 Apr 2025 10:33 | | YP\AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PP071139.D | 08 Apr 2025 10:49 | | YP\AJ | Ok |
| 6 | I.BLK | I.BLK | PP071140.D | 08 Apr 2025 11:05 | | YP\AJ | Ok |
| 7 | PB167469BL | PB167469BL | PP071141.D | 08 Apr 2025 11:23 | not required | YP\AJ | Not Ok |
| 8 | Q1730-15 | OU4-PCS-TC-25-04032 | PP071142.D | 08 Apr 2025 11:39 | | YP\AJ | Ok |
| 9 | Q1730-17 | OU4-PCS-TC-26-04032 | PP071143.D | 08 Apr 2025 11:56 | | YP\AJ | Ok |
| 10 | Q1730-19 | OU4-CF-15-040325 | PP071144.D | 08 Apr 2025 12:12 | DCB High in 2ND column | YP\AJ | Ok |
| 11 | Q1740-01 | TP-20 | PP071145.D | 08 Apr 2025 13:08 | | YP\AJ | Ok |
| 12 | Q1742-01 | TR-06-040725 | PP071146.D | 08 Apr 2025 13:25 | | YP\AJ | Ok,M |
| 13 | Q1742-01MS | TR-06-040725MS | PP071147.D | 08 Apr 2025 13:41 | | YP\AJ | Ok,M |
| 14 | Q1742-01MSD | TR-06-040725MSD | PP071148.D | 08 Apr 2025 13:57 | | YP\AJ | Ok,M |
| 15 | Q1743-01 | TP-16 | PP071149.D | 08 Apr 2025 14:14 | AR1260 Hit | YP\AJ | Ok,M |
| 16 | Q1744-01 | B-158-SB01 | PP071150.D | 08 Apr 2025 14:30 | TCMX High in 2nd column | YP\AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PP071151.D | 08 Apr 2025 15:29 | | YP\AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PP071152.D | 08 Apr 2025 16:02 | | YP\AJ | Ok |

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

**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP040825

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 4/8/2025 3:06:55 PM | | |
| Supervise By | mohammad | Supervise On | 4/10/2025 5:29:57 AM | | |
| SubDirectory | PP040825 | HP Acquire Method | | HP Processing Method | PP032725 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 |
| CCC | PP24332,PP24347,PP24352,PP24357 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PP071153.D | 08 Apr 2025 16:18 | | YP\AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PP071154.D | 08 Apr 2025 16:34 | | YP\AJ | Ok |
| 21 | I.BLK | I.BLK | PP071155.D | 08 Apr 2025 16:51 | | YP\AJ | Ok |
| 22 | PB167507BL | PB167507BL | PP071156.D | 08 Apr 2025 17:07 | | YP\AJ | Ok |
| 23 | PB167507BS | PB167507BS | PP071157.D | 08 Apr 2025 17:23 | | YP\AJ | Ok |
| 24 | Q1744-03 | B-158-SB02 | PP071158.D | 08 Apr 2025 17:40 | | YP\AJ | Ok |
| 25 | Q1745-01 | IB-6A-WC | PP071159.D | 08 Apr 2025 17:56 | | YP\AJ | Ok,M |
| 26 | Q1745-09 | IB-6.5-WC | PP071160.D | 08 Apr 2025 18:12 | | YP\AJ | Ok,M |
| 27 | Q1746-01 | B-149-SB01 | PP071161.D | 08 Apr 2025 18:28 | | YP\AJ | Ok |
| 28 | Q1746-03 | B-149-SB02 | PP071162.D | 08 Apr 2025 18:45 | | YP\AJ | Ok |
| 29 | Q1747-01 | ARS20-0008 | PP071163.D | 08 Apr 2025 19:01 | | YP\AJ | Ok,M |
| 30 | AR1660CCC500 | AR1660CCC500 | PP071164.D | 08 Apr 2025 20:28 | | YP\AJ | Ok |
| 31 | AR1242CCC500 | AR1242CCC500 | PP071165.D | 08 Apr 2025 21:17 | | YP\AJ | Ok |
| 32 | AR1248CCC500 | AR1248CCC500 | PP071166.D | 08 Apr 2025 21:33 | | YP\AJ | Ok |
| 33 | AR1254CCC500 | AR1254CCC500 | PP071167.D | 08 Apr 2025 21:49 | | YP\AJ | Ok |
| 34 | I.BLK | I.BLK | PP071168.D | 08 Apr 2025 22:05 | | YP\AJ | Ok |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/7/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/04/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/05/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135307

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q1729-05 | SVOC-GPC-BLANK | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-06 | PEST-GPC-BLANK | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-07 | PEST-GPC-BLANK-SPIKE | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-08 | PCB-GPC-BLANK | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-09 | PCB-GPC-BLANK-SPIKE | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-10 | SVOC-GPC2-BLANK | 6 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-11 | PEST-GPC2-BLANK | 7 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-12 | PEST-GPC2-BLANK-SPIKE | 8 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-13 | PCB-GPC2-BLANK | 9 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1729-14 | PCB-GPC2-BLANK-SPIKE | 10 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q1730-01 | OU4-VSL-15-040325 | 11 | 1.14 | 10.58 | 11.72 | 11.39 | 96.9 | |
| Q1730-03 | OU4-VSL-16-040325 | 12 | 1.15 | 10.28 | 11.43 | 10.86 | 94.5 | |
| Q1730-05 | OU4-VSL-17-040325 | 13 | 1.16 | 11.32 | 12.48 | 11.62 | 92.4 | |
| Q1730-07 | OU4-PCS-TC-21-040325 | 14 | 1.18 | 10.92 | 12.1 | 10.9 | 89.0 | |
| Q1730-09 | OU4-PCS-TC-22-040325 | 15 | 1.16 | 11.79 | 12.95 | 11.87 | 90.8 | |
| Q1730-11 | OU4-PCS-TC-23-040325 | 16 | 1.19 | 11.24 | 12.43 | 11.41 | 90.9 | |
| Q1730-13 | OU4-PCS-TC-24-040325 | 17 | 1.18 | 10.42 | 11.6 | 10.69 | 91.3 | |
| Q1730-15 | OU4-PCS-TC-25-040325 | 18 | 1.14 | 11.13 | 12.27 | 11.43 | 92.5 | |
| Q1730-17 | OU4-PCS-TC-26-040325 | 19 | 1.15 | 10.84 | 11.99 | 11.13 | 92.1 | |
| Q1730-19 | OU4-CF-15-040325 | 20 | 1.15 | 10.74 | 11.89 | 11.23 | 93.9 | |
| Q1732-01 | TT-8 | 21 | 1.15 | 10.40 | 11.55 | 10.48 | 89.7 | |
| Q1732-02 | TT-8-EPH | 22 | 1.15 | 10.33 | 11.48 | 10.34 | 89.0 | |
| Q1732-03 | TT-8-VOC | 23 | 1.19 | 10.01 | 11.2 | 10.11 | 89.1 | |
| Q1733-01 | ETGI-328 | 24 | 1.18 | 10.19 | 11.37 | 8.37 | 70.6 | |
| Q1733-02 | ETGI-328-E2 | 25 | 1.18 | 10.29 | 11.47 | 8.27 | 68.9 | |
| Q1734-01 | HEH6237-1-1 | 26 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-02 | HEH6237-1-2 | 27 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-03 | STJ23-1-1 | 28 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** jignesh
**Date:** 4/7/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:00
**In Date:** 04/04/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 103
**Time OUT:** 08:25
**Out Date:** 04/05/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID- OVEN

**QC:** LB135307

| 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 |
|---|---|---|---|---|---|---|---|---|
| Q1734-04 | STJ23-1-2 | 29 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-05 | HIA989S-1-1 | 30 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-06 | HIA989S-1-2 | 31 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-07 | HED302R-1-1 | 32 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-08 | HED302R-1-2 | 33 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-09 | HED302R-2-1 | 34 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1734-10 | HED302R-2-2 | 35 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | pilc |
| Q1735-01 | 50660-50661-50662-5663 -COMP | 36 | 1.18 | 10.92 | 12.1 | 10.42 | 84.6 | |
| Q1736-01 | GST1 | 37 | 1.18 | 10.04 | 11.22 | 9.07 | 78.6 | |
| Q1736-02 | GST2 | 38 | 1.18 | 10.93 | 12.11 | 9.98 | 80.5 | |
| Q1737-01 | RT3069 | 39 | 1.19 | 11.58 | 12.77 | 11.34 | 87.7 | |
| Q1738-01 | OK-02-040425 | 40 | 1.16 | 10.34 | 11.5 | 10.06 | 86.1 | |
| Q1738-02 | OK-02-040425-E2 | 41 | 1.19 | 10.54 | 11.73 | 10.37 | 87.1 | |

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

# WORKLIST(Hardcopy Internal Chain)

VB 135307

**WorkList Name :** %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1736-01 | GST1 | Solid | Percent Solids | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | Chemtech -SO |
| Q1736-02 | GST2 | Solid | Percent Solids | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | Chemtech -SO |
| Q1730-01 | OU4-VSL-15-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-03 | OU4-VSL-16-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-05 | OU4-VSL-17-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-13 | OU4-PCS-TC-24-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1730-19 | OU4-CF-15-040325 | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1729-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | Chemtech -SO |
| Q1729-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-08 | PCB-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-09 | PCB-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-10 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-11 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-12 | PEST-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1729-13 | PCB-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |

**Date/Time** 04/04/25 1520

**Raw Sample Received by:** JB CCDC

**Raw Sample Relinquished by:** SM

**Date/Time** 04/04/25 17:15

**Raw Sample Received by:** SM

**Raw Sample Relinquished by:** JB CCDC

# WORKLIST(Hardcopy Internal Chain)

WP135307

**WorkList Name :** %1-040425 **WorkList ID :** 188724 **Department :** Wet-Chemistry **Date :** 04-04-2025 08:12:22

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1729-14 | PCB-GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | CHEM02 | F11 | 04/04/2025 | Chemtech -SO |
| Q1732-01 | TT-8 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1732-02 | TT-8-EPH | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1732-03 | TT-8-VOC | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1733-01 | ETGI-328 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1733-02 | ETGI-328-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | Chemtech -SO |
| Q1734-01 | HEH6237-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | Chemtech -SO |
| Q1734-08 | HED302R-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-09 | HED302R-2-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-10 | HED302R-2-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1735-01 | 50660-50661-50662-5663-COM | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1737-01 | RT3069 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-02 | HEH6237-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-03 | STJ23-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-04 | STJ23-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-05 | HIA989S-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-06 | HIA989S-1-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1734-07 | HED302R-1-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1738-01 | OK-02-040425 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | Chemtech -SO |
| Q1738-02 | OK-02-040425-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | L31 | 04/04/2025 | Chemtech -SO |

**Date/Time** 04/04/25 15:20

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

**Date/Time** 04/04/25 17:15

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167469

**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 :** 04/07/2025

**Extraction Start Time :** 08:20

**Extraction End Date :** 04/07/2025

**Extraction End Time :** 11:30

**Concentration By:** EH

**Supervisor By :** rajesh

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

| Standared Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---|---|---|---|
| Spike Sol 1 | 1.0ML | 5000 PPB | PP24328 |
| 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 | EP2597 |
| Sand | N/A | E2865 |
| Hexane | N/A | E3916 |
| 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 |

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

40 ML Vial lot# 03-40 BTS721. Q1735-01 Limited volume used as sample is Oily matrix.

**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 |
|---|---|---|
| 04/04/25 | RP (Extr. Lab) | Y.P. Pest/PCB. |
| 11:35 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167469**

**Analytical Method:** M3541-ASE Extraction-14 **Concentration Date:** 04/07/2025

| Sample ID | Client Sample ID | Test | g/ mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167469BL | ABLK469 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | | | U7-1 |
| PB167469BS | ALCS469 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | | | 2 |
| Q1730-01 | OU4-VSL-15-040325 | PCB | 30.07 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q1730-03 | OU4-VSL-16-040325 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q1730-03MS | OU4-VSL-16-040325MS | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q1730-03MSD | OU4-VSL-16-040325MSD | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q1730-05 | OU4-VSL-17-040325 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | U2-1 |
| Q1730-07 | OU4-PCS-TC-21-040325 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q1730-09 | OU4-PCS-TC-22-040325 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 3 |
| Q1730-11 | OU4-PCS-TC-23-040325 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | E | | 4 |
| Q1730-13 | OU4-PCS-TC-24-040325 | PCB | 30.08 | N/A | ritesh | Evelyn | 10 | E | | 5 |
| Q1730-15 | OU4-PCS-TC-25-040325 | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | E | | 6 |
| Q1730-17 | OU4-PCS-TC-26-040325 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | E | | U3-1 |
| Q1730-19 | OU4-CF-15-040325 | PCB | 30.02 | N/A | ritesh | Evelyn | 10 | E | | 2 |
| Q1732-01 | TT-8 | PCB | 30.04 | N/A | ritesh | Evelyn | 10 | D | | 3 |
| Q1733-01 | ETGI-328 | PCB | 30.06 | N/A | ritesh | Evelyn | 10 | E | Small Particle | 4 |
| Q1735-01 | 50660-50661-50662-5663-COMP | PCB | 5.06 | N/A | ritesh | Evelyn | 10 | E | Oily Debris | 5 |
| Q1736-01 | GST1 | PCB | 30.07 | N/A | ritesh | Evelyn | 10 | | | 6 |
| Q1736-02 | GST2 | PCB | 30.03 | N/A | ritesh | Evelyn | 10 | | | U6-1 |
| Q1737-01 | RT3069 | PCB | 30.05 | N/A | ritesh | Evelyn | 10 | D | | 2 |
| Q1738-01 | OK-02-040425 | PCB | 30.01 | N/A | ritesh | Evelyn | 10 | E | | 3 |

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

4/7/25

167469
8:20

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1730 **WorkList ID :** 188758 **Department :** Extraction **Date :** 04-07-2025 08:14:10

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1736-01 | GST1 | Solid | PCB | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | 8082A |
| Q1736-02 | GST2 | Solid | PCB | Cool 4 deg C | GENV01 | L21 | 04/04/2025 | 8082A |
| Q1730-01 | OU4-VSL-15-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-03 | OU4-VSL-16-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-05 | OU4-VSL-17-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-13 | OU4-PCS-TC-24-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1730-19 | OU4-CF-15-040325 | Solid | PCB | Cool 4 deg C | NOBI03 | L31 | 04/03/2025 | 8082A |
| Q1732-01 | TT-8 | Solid | PCB | Cool 4 deg C | PSEG03 | L31 | 04/03/2025 | 8082A |
| Q1733-01 | ETGI-328 | Solid | PCB | Cool 4 deg C | PSEG03 | I31 | 04/04/2025 | 8082A |
| Q1735-01 | 50660-50661-50662-5663-COM | Solid | PCB | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | 8082A |
| Q1737-01 | RT3069 | Solid | PCB | Cool 4 deg C | PSEG03 | L31 | 04/04/2025 | 8082A |
| Q1738-01 | OK-02-040425 | Solid | PCB | Cool 4 deg C | PSEG05 | L31 | 04/04/2025 | 8082A |

**Date/Time** 04/07/25 8:17
**Raw Sample Received by:** RJ (Ref Lab)
**Raw Sample Relinquished by:** JD CSM)



**Date/Time** 04/07/25 9:00
**Raw Sample Received by:** JD CSM)
**Raw Sample Relinquished by:** RJ (Ref Lab)

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q1730

**Test :** PCB

**Prepbatch ID :** PB167469,

**Sequence ID/Qc Batch ID:** PO040725,PO040825,PP040825,

**Standard ID :**

EP2565,EP2592,EP2597,PP24217,PP24328,PP24329,PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369,PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,

**Chemical ID :**

E2865,E3551,E3804,E3876,E3877,E3916,M5173,P11522,P12699,P12702,P12931,P12936,P12948,P12949,P12957,P13354,P13356,P13373,P13381,P13589,P13591,P13697,P13702,P13830,P13878,P13883,W3112,W3177,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | 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 | EP2597 | 03/28/2025 | 07/01/2025 | Rajesh Parikh | Extraction_SCALE_2 (EX-SC-2) | None | Evelyn Huang 03/28/2025 |

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

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 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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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3857 | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | PP24328 | 03/17/2025 | 08/25/2025 | Abdul Mirza | None | None | Yogesh Patel 04/02/2025 |

**FROM** 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 84 | Pest/PCB Surrogate Stock 20 PPM | PP24329 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 202 | AR1660 1000/100 ppb working solution 1st source | PP24330 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13697 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 203 | AR1660 750 PPB STD | PP24331 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24330 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 204 | AR1660 500 PPB STD | PP24332 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24330 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 205 | AR1660 250 PPB STD | PP24333 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24330 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 206 | AR1660 50 PPB STD | PP24334 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24332 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 213 | AR1221 1000 PPB WORKING SOLUTION | PP24335 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13702 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1079 | AR1221 750 PPB STD | PP24336 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24335 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 222 | AR1221 500 PPB STD | PP24337 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24335 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1080 | AR1221 250 PPB STD | PP24338 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24335 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1081 | AR1221 50 PPB STD | PP24339 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24337 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 214 | AR1232 1000 PPB WORKING SOLUTION | PP24340 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13878 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1063 | AR1232 750 PPB STD | PP24341 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24340 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 223 | AR1232 500 PPB STD | PP24342 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24340 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1064 | AR1232 250 PPB STD | PP24343 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24340 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1065 | AR1232 50 PPB STD | PP24344 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24342 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 215 | AR1242 1000 PPB WORKING STD | PP24345 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P12931 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1067 | AR1242 750 PPB STD | PP24346 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.75000ml of PP24345 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 224 | AR1242 500 PPB STD | PP24347 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24345 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1068 | AR1242 250 PPB STD | PP24348 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24345 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1069 | AR1242 50 PPB STD | PP24349 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24347 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 216 | AR1248 1000 PPB WORKING STD | PP24350 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P12936 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1075 | AR1248 750 PPB STD | PP24351 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24350 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 225 | AR1248 500 PPB STD | PP24352 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24350 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1076 | AR1248 250 PPB STD | PP24353 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24350 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1077 | AR1248 50 PPB STD | PP24354 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24352 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 217 | AR1254 1000 PPB WORKING STD | PP24355 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13830 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1071 | AR1254 750 PPB STD | PP24356 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24355 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 226 | AR1254 500 PPB STD | PP24357 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24355 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1072 | AR1254 250 PPB STD | PP24358 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24355 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1073 | AR1254 50 PPB STD | PP24359 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24357 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1529 | AR1262 1000 PPB Working Solution | PP24360 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13883 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3753 | AR1262 750 PPB STD | PP24361 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24360 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1530 | AR1262 500 PPB STD | PP24362 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24360 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3754 | AR1262 250 PPB STD | PP24363 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24360 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3755 | AR1262 50 PPB STD | PP24364 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24362 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1532 | AR1268 1000 PPB Working Solution | PP24365 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.10000ml of P13381 + 99.40000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3820 | AR1268 750 PPB STD | PP24366 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.25000ml of W3177 + 0.75000ml of PP24365 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1533 | AR1268 500 PPB STD | PP24367 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24365 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3821 | AR1268 250 PPB STD | PP24368 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.75000ml of W3177 + 0.25000ml of PP24365 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3822 | AR1268 50 PPB STD | PP24369 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.90000ml of W3177 + 0.10000ml of PP24367 = Final Quantity: 1.000 ml

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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 | PP24370 | 03/18/2025 | 09/18/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12949 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 405 | AR1660 1000/100 PPB ICV STD | PP24371 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 98.50000ml of W3177 + 0.50000ml of PP24329 + 1.00000ml of PP24370 = Final Quantity: 100.000 ml

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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 | PP24372 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24371 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3789 | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | PP24373 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13373 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1886 | AR1221 500 PPB ICV | PP24374 | 03/18/2025 | 08/12/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of E3877 + 0.50000ml of W3177 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1887 | AR1232 1000 PPB Working Sol. 2nd Source | PP24375 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12699 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1888 | AR1232 500 PPB ICV | PP24376 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24375 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1889 | AR1242 1000 PPB Working Sol. 2nd Source | PP24377 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13589 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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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 | PP24378 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24377 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1890 | AR1248 1000 PPB Working Sol. 2nd Source | PP24379 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P13591 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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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 | PP24380 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24379 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1893 | AR1254 1000 PPB Working Sol. 2nd Source | PP24381 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12957 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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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 | PP24382 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24381 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3757 | AR1262 1000 PPB Working Solution second source | PP24384 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P12702 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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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 | PP24385 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24384 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3817 | AR1268 1000 ppb Working Soln. 2nd source | PP24386 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza 04/03/2025 |

**FROM** 1.00000ml of P11522 + 98.50000ml of W3177 + 0.50000ml of PP24329 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3823 | AR1268 500 PPB STD ICV | PP24387 | 03/18/2025 | 08/22/2025 | Yogesh Patel | None | None | Abdul Mirza<br>04/03/2025 |

**FROM** 0.50000ml of W3177 + 0.50000ml of PP24386 = Final Quantity: 1.000 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-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 08/25/2025 | 02/25/2025 / | 02/12/2025 / Rajesh | E3876 |

| 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-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 10/03/2025 | 04/03/2025 / Rajesh | 03/31/2025 / Rajesh | E3916 |

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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-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000281827 | 06/02/2025 | 06/01/2022 / william | 04/05/2022 / william | M5173 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-382-1 / Aroclor 1268 | 0006587800 | 09/18/2025 | 03/18/2025 / yogesh | 02/21/2022 / Ankita | P11522 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 91867 / Aroclor 1232 100 ug/mL | 020823 | 09/18/2025 | 03/18/2025 / yogesh | 08/07/2023 / Ankita | P12699 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | x9166 / Aroclor 1262 100 ug/mL | 060523 | 09/18/2025 | 03/18/2025 / yogesh | 08/07/2023 / Ankita | P12702 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 09/18/2025 | 03/18/2025 / yogesh | 12/07/2023 / Ankita | P12931 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 09/18/2025 | 03/18/2025 / yogesh | 12/07/2023 / Ankita | P12936 |

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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. | 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. | 20064 / Aroclor 1016/1260 | 022023 | 09/18/2025 | 03/18/2025 / yogesh | 12/20/2023 / Yogesh | P12949 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / Arochlor 1254 | 121823 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12957 |

| 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 # |
|---|---|---|---|---|---|---|
| Restek | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 09/18/2025 | 03/18/2025 / yogesh | 04/22/2024 / Abdul | P13356 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 09/18/2025 | 03/18/2025 / yogesh | 05/02/2024 / Ankita | P13373 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | A0207475 | 09/18/2025 | 03/18/2025 / yogesh | 05/03/2024 / Abdul | P13381 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 09/18/2025 | 03/18/2025 / yogesh | 10/14/2024 / Ankita | P13589 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006726317 | 09/18/2025 | 03/18/2025 / yogesh | 10/14/2024 / Ankita | P13591 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0210629 | 09/18/2025 | 03/18/2025 / yogesh | 10/17/2024 / yogesh | P13697 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0215270 | 09/18/2025 | 03/18/2025 / yogesh | 10/17/2024 / yogesh | P13702 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0217391 | 09/18/2025 | 03/18/2025 / yogesh | 12/09/2024 / Ankita | P13830 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0219655 | 09/18/2025 | 03/18/2025 / yogesh | 01/23/2025 / Ankita | P13878 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0220950 | 09/18/2025 | 03/18/2025 / yogesh | 01/23/2025 / Ankita | P13883 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 08/22/2025 | 02/03/2025 / jignesh | 01/31/2025 / jignesh | W3177 |

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Substances Soluble in HCl | <= 0.16 % | 0.01 |

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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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.

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

# 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.

Certificate of Analysis

ThermoFisher SCIENTIFIC



# Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

| | | | |
|---|---|---|---|
| Catalog Number | H303 | Quality Test / Release Date | 11/07/2024 |
| Lot Number | 243570 | | |
| Description | HEXANES - OPTIMA | | |
| Country of Origin | United States | Suggested Retest Date | Nov/2029 |
| Chemical Origin | Organic - non animal | | |
| BSE/TSE Comment | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. | | |

N/A

| Result Name | Units | Specifications | Test Value |
|---|---|---|---|
| APPEARANCE | | REPORT | Clear, colorless liquid |
| ASSAY (N-HEXANE) | % | >= 60 | 69 |
| ASSAY (SUM C6 HYDROCARBONS) | % | >= 99.9 | >99.9 |
| COLOR | APHA | <= 5 | <5 |
| DENSITY AT 25 DEGREES C | GM/ML | Inclusive Between 0.653 - 0.673 | 0.669 |
| EVAPORATION RESIDUE | ppm | <= 1 | <1 |
| FLUORESCENCE BACKGROUND | ppb | <= 1 | <1 |
| IDENTIFICATION | PASS/FAIL | = PASS TEST | PASS TEST |
| OPTICAL ABS AT 195 NM | ABS. UNITS | <= 1 | 0.74 |
| OPTICAL ABS AT 210 NM | ABS. UNITS | <= 0.25 | 0.17 |
| OPTICAL ABS AT 220 NM | ABS. UNITS | <= 0.07 | 0.05 |
| OPTICAL ABS AT 254 NM | ABS. UNITS | <= 0.005 | 0.001 |
| PESTICIDE RESIDUE ANALYSIS | NG/L | <= 10 | <10 |
| REFRACTIVE INDEX @ 25 DEG C | | Inclusive Between 1.375 - 1.385 | 1.379 |
| SUITABILITY FOR GC/MS | | = PASS TEST | PASS TEST |
| SULFUR COMPOUNDS | % | <= 0.005 | <0.005 |
| THIOPHENE | PASS/FAIL | = PASS TEST | PASS TEST |
| WATER (H2O) | % | <= 0.01 | <0.01 |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G | <= 0.0003 | 0.0001 |

Harout Sahagian - Quality Control Manager - Fair Lawn

Rec'd by RP on 3/31/25

E3916

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.

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

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

Material No.: 9530-33
Batch No.: 0000281827

| 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

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

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



www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 www.agilent.com/quality

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Refere*

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(**
Aceton

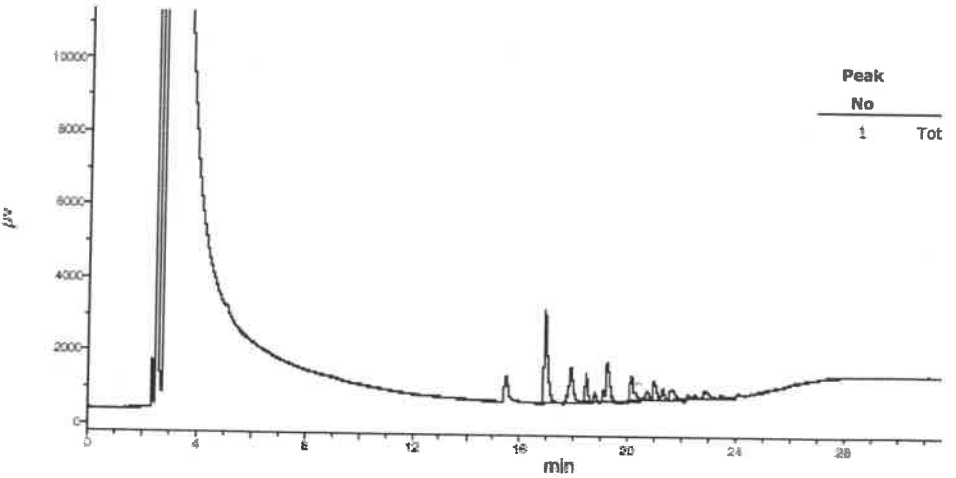
Weight(s) shown below were combined and diluted to (mL): 100.0

5E-05 Balance Uncertainty
0.057 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g |
|---|---|---|---|---|---|---|
| 1. Aroclor 1232 | 17 | 45-6A | 100 | 100 | 0.5 | 0.01000 |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32009 **Lot No.:** A0203672

**Description :** Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1242 | 53469-21-9 | 01141 | ---% | 1,004.7 µg/mL | +/- 55.7515 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

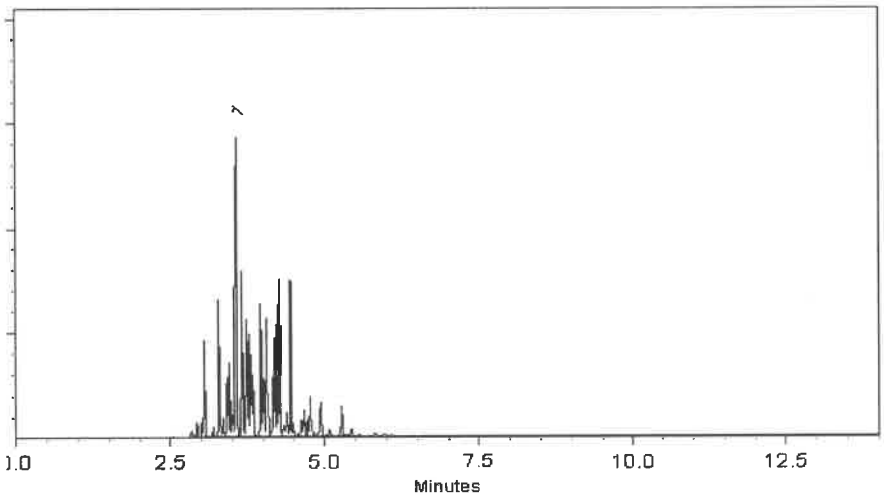
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

**Date Mixed:** 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 06-Nov-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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.*

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.)

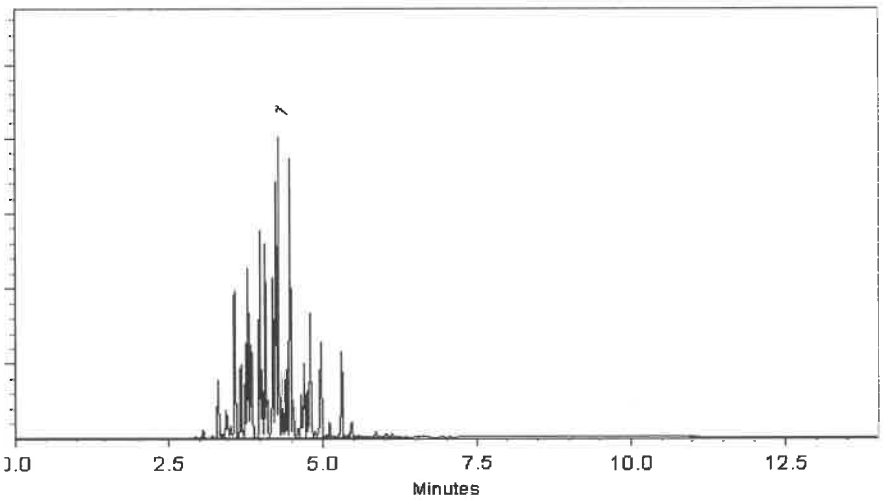
**Inj. Temp:**
250°C

**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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 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

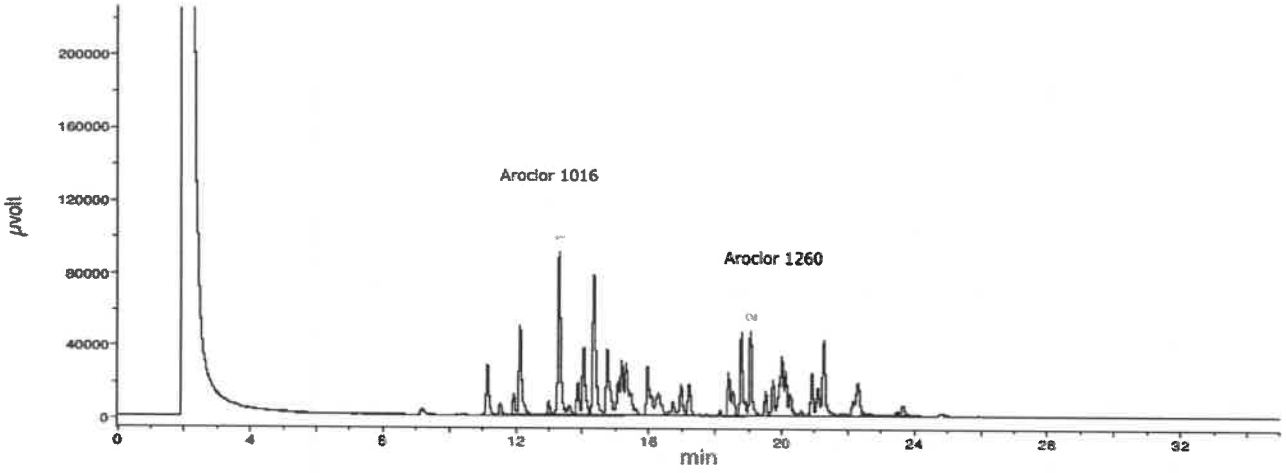
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

P12946 ↓ P12955 — Y.P. 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



**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

| | | | | |
|---|---|---|---|---|
| **Part Number:** | 99139 | **Solvent(s):** | **Lot#** | |
| **Lot Number:** | 121823 | Iso-octane | 82227 | |
| **Description:** | Aroclor 1254 | | | |
| **Expiration Date:** | 121833 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | 100 | | | |
| **NIST Test ID#:** | 6UTB | 5E-05 | Balance Uncertainty | |
| Volume(s) shown below were combined and diluted to (mL): | | 20.0 | 0.003 | Flask Uncertainty |

**Note: Aroclor 1254 is a mix of isomers.**

| | | |
|---|---|---|
| Formulated By: | Anthony Mahoney | 121823 DATE |
| Reviewed By: | Pedro L. Rentas | 121823 DATE |

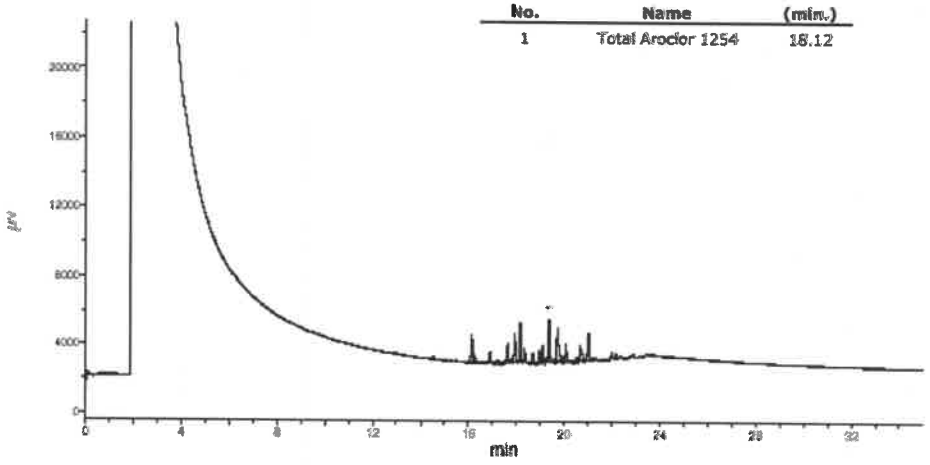
P12956 & P12957 Y.P. 12/20/23

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1254 | 79100 | 121823 | 0.10 | 2.00 | 0.017 | 1003.3 | 100.1 | 1.8 | 11097-69-1 | 0.5mg/m3 (skin) | orl-rat 1295mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | Total Aroclor 1254 | 18.12 |



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P13348 → P13357 (10)

**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.)

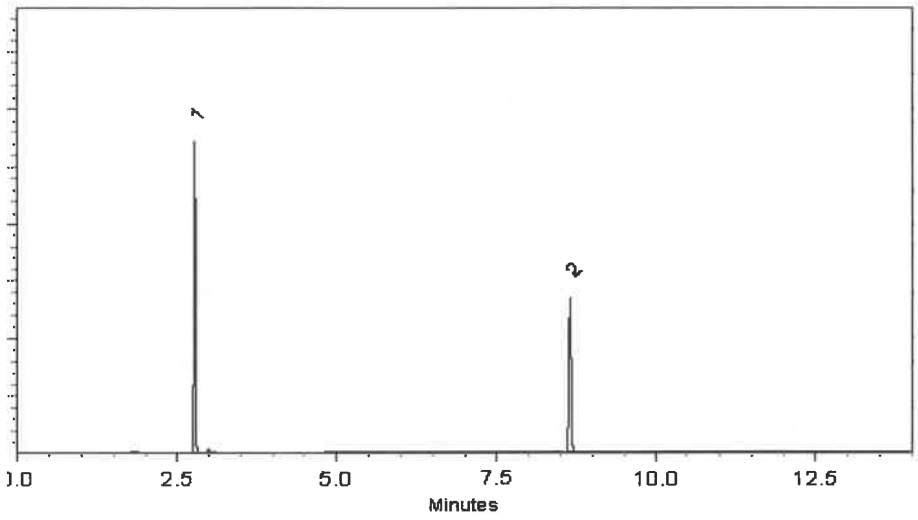
**Inj. Temp:**
250°C

**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)

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P13357

04/25/2025

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**ISO 17034**

# Reference Material Certificate

## Product Information Sheet

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1221 Standard | **Lot Number:** | 0006783205 |
| **Product Number:** | PP-292-1 | **Lot Issue Date:** | 20-Feb-2024 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Mar-2032 |

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1221 | 100.3 | ± | 0.5 µg/mL | 011104-28-2 | NT01017 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
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P133f3

AJ
05106124







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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

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32410 **Lot No.:** A0207475

**Description :** Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1268 | 11100-14-4 | 10947000 | ----% | 1,000.0 µg/mL | +/- 55.4925 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 13380 (2)
P 13381 (1)
05/6/2024

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

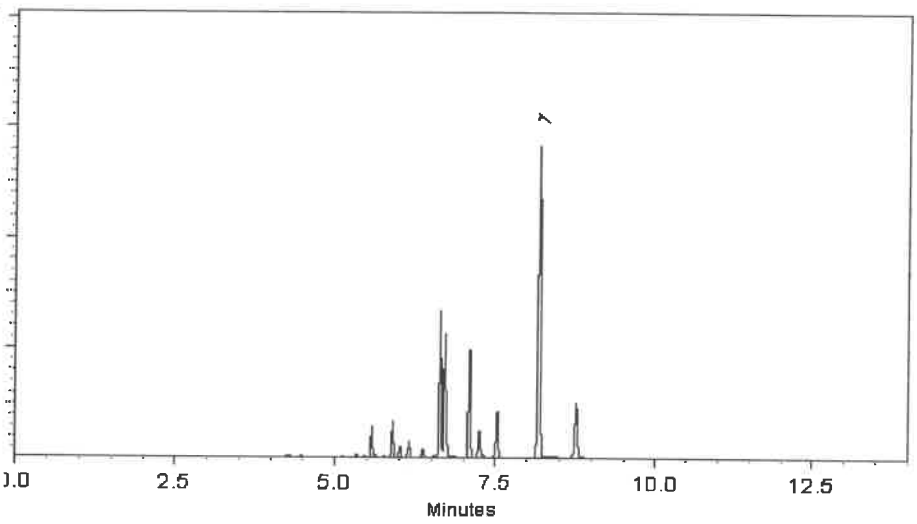
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
Split ratio 500:1

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

**Date Mixed:** 06-Feb-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

**Date Passed:** 09-Feb-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P13380 (2)
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P13381
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05/6/2024

ISO 17034

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# 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 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13589
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P13590

AJ
10/14/24

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

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ISO 17034

# Reference Material Certificate

## Product Information Sheet

**Product Name:** Aroclor 1248 Standard
**Product Number:** PP-342-1
**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Lot Number:** 0006726317
**Lot Issue Date:** 27-Jan-2023
**Expiration Date:** 28-Feb-2031

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1248 | 100.3 | ± | 0.5 µg/mL | 012672-29-6 | NT01582 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above. Purity values are taken from approved vendor raw material certificates.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference (RM) standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13591
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P13592

AJ
10/14/2024

Agilent

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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-015.1

ISO 17025

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32039 **Lot No.:** A0210629

**Description :** Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P13697 ↓ P13701 } Y.P. 10/19/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1016 | 12674-11-2 | 07 | ----% | 1,005.3 µg/mL | +/- 55.7809 |
| 2 | Aroclor 1260 | 11096-82-5 | 1320657 | ----% | 1,000.0 µg/mL | +/- 55.4850 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

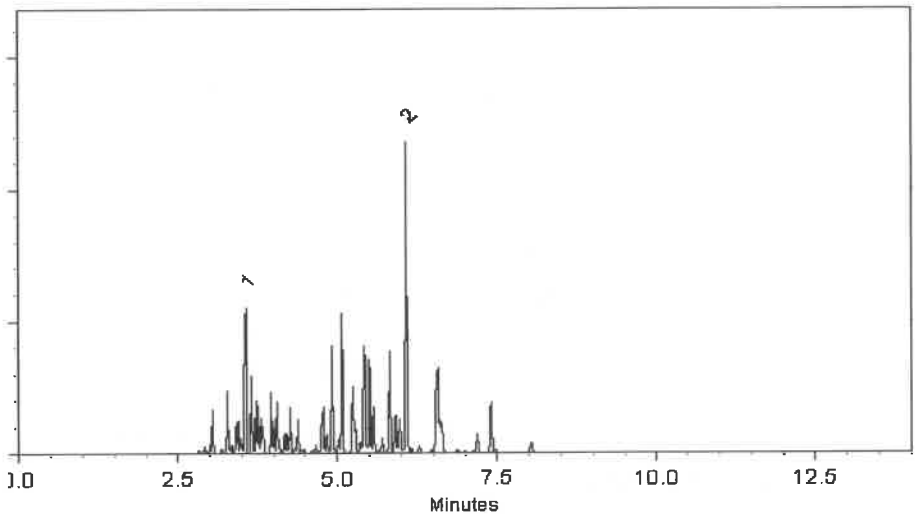
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Apr-2024 **Balance Serial #** B442140311

Dillan Murphy - Operations Technician I

**Date Passed:** 24-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32007 **Lot No.:** A0215270

**Description :** Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P13702 & P13703 } Y.P. 10/17/24

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1221 | 11104-28-2 | 14969200 | ----% | 1,005.0 µg/mL | +/- 55.7700 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

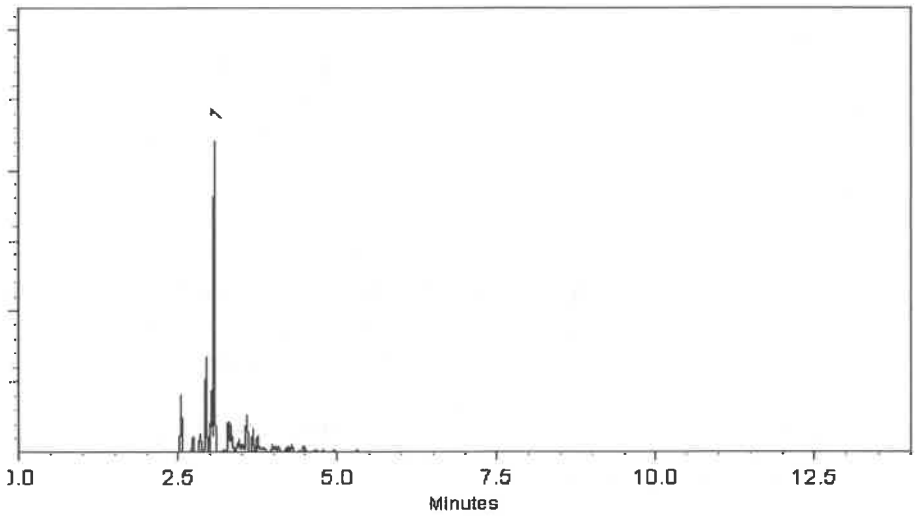
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

**Date Mixed:** 16-Aug-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 20-Aug-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32011 **Lot No.:** A0217391

**Description :** Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1254 | 11097-69-1 | 124-191-B | ----% | 1,004.7 µg/mL | +/- 55.7515 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13830
↓
P13832

AJ
12/09/24

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

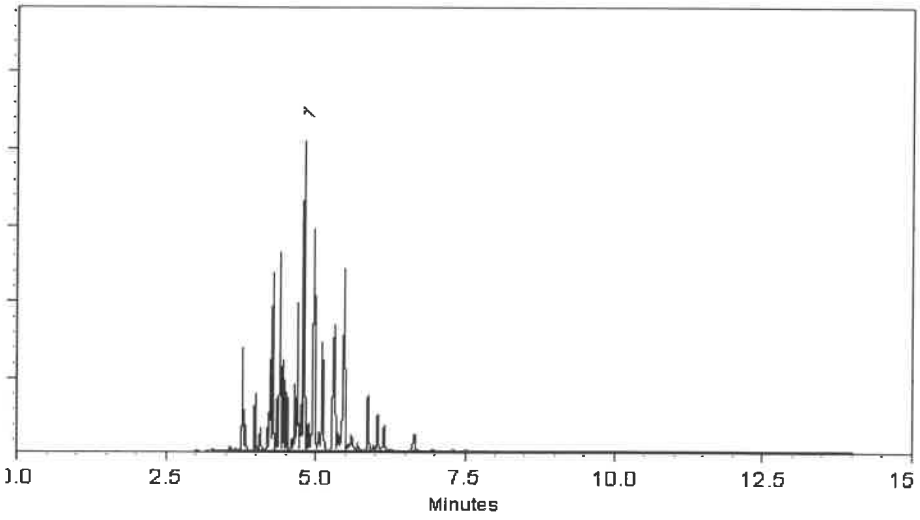
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
300 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

**Date Mixed:** 02-Oct-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 07-Oct-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32008 **Lot No.:** A0219655

**Description :** Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** March 31, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1232 | 11141-16-5 | 15665-01 | ----% | 1,007.0 µg/mL | +/- 55.8810 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13878
↓
P13880

AJ
01/28/25

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

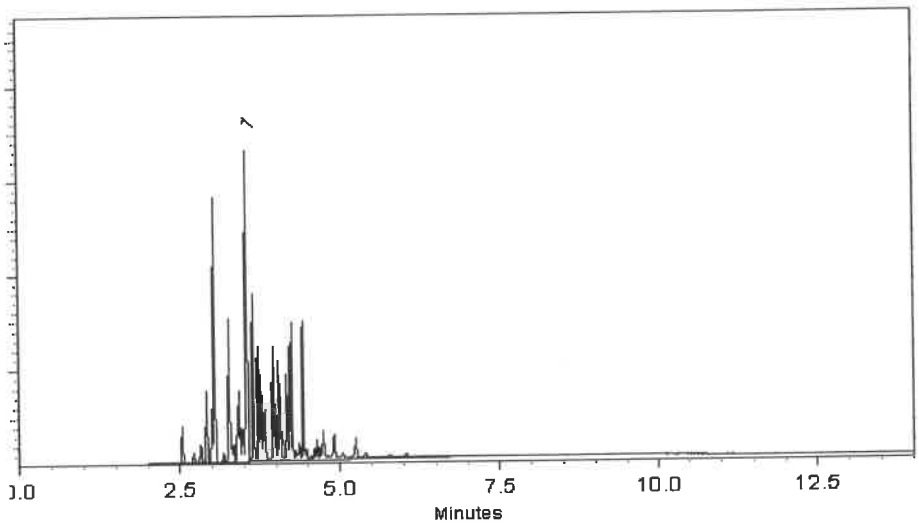
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

**Date Mixed:** 02-Dec-2024 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

**Date Passed:** 05-Dec-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32409 **Lot No.:** A0220950

**Description :** Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2031 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1262 | 37324-23-5 | 10849100 | ----% | 1,002.0 µg/mL | +/- 55.6035 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P13852
↓
P13853

AJ
01/28/25

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

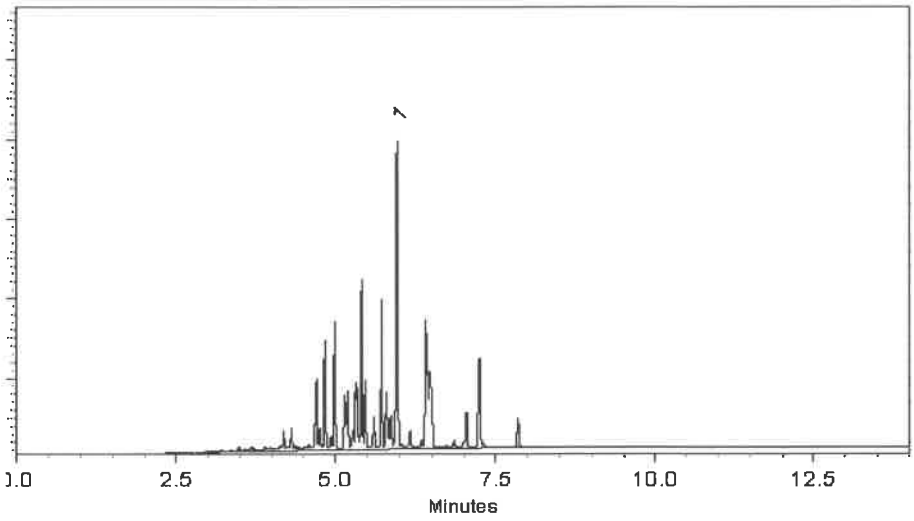
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
300 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 09-Jan-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

**Date Passed:** 14-Jan-2025

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.1 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

# SHIPPING DOCUMENTS

Q1730

# Chemtech

Phone: (908) 789-8900
Fax: (908) 789-8922
284 Sheffield Street, Mountainside, NJ 07092

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020



| | |
|---|---|
| Company Name: | Nobis Group |
| Address: | 55 Technology Dr Suite 101, Lowell, MA 01851 |
| Phone: | 978-703-6014 |
| Project Name: | Raymark |
| Project Location: | Stratford, CT |
| Project Number: | 95700 |
| Project Manager: | Adam Roy |
| Con-Test Quote Name/Number: | |
| Invoice Recipient: | |
| Sampled By: | C. Odell |

**Requested Turnaround Time**
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

**Rush-Approval Required**
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

**Data Delivery**
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

**Dissolved Metals Samples**
○ Field Filtered
○ Lab to Filter

**Orthophosphate Samples**
○ Field Filtered
○ Lab to Filter

**PCB ONLY**
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | COMP/GRAB | [1]Matrix Code | Conc Code | VIALS | GLASS | PLASTIC | BACTERIA | ENCORE | M/O | RCP VOCs | % Solids | PAHs | Herbicides | Pesticides | PCBs | Metals ICP + Hg - 6010 | Cyanide | SPLP RCP Metals - 6020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OU4-VSL-15-040325 | 4/3/25 | 1210 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-VSL-16-040325 | 4/3/25 | 1220 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-VSL-17-040325 | 4/3/25 | 1230 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-21-040325 | 4/3/25 | 1345 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-22-040325 | 4/3/25 | 1350 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-23-040325 | 4/3/25 | 1355 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-24-040325 | 4/3/25 | 1400 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-25-040325 | 4/3/25 | 1405 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-PCS-TC-26-040325 | 4/3/25 | 1410 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |
| | OU4-CF-15-040325 | 4/3/25 | 1300 | G | S | | 3 | 2 | 1 | | | | X | X | X | X | X | X | X | X | X |

[2] Preservation Code

Lab Use Only
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N
*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

| | | |
|---|---|---|
| Relinquished by: (signature) | Date/Time: 4/3/25 1700 | Client Comments: |
| Received by: (signature) | Date/Time: 4/4/25 1045 | 2.7 ; 2.6 |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |
| Relinquished by: (signature) | Date/Time: | |
| Received by: (signature) | Date/Time: | |

**Detection Limit Requirements**
MA
CT
Other:

**Special Requirements**
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

**Project Entity**
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
MWRA ☐ School ☐ MBTA ☐
WRTA ☐

**Other**
☐ Chromatogram
☐ AIHA-LAP,LLC

**Lab Comments:**

**Disclaimer:** Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1730 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 4/4/2025 10:51:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 4/4/2025 10:45:00 AM
**Purchase Order :**

**Project Mgr :** Yazmeen
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :** 4/4/2025 11:24:53 AM

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1730-01 | OU4-VSL-15-040325 | Solid | 04/03/2025 | 12:10 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-03 | OU4-VSL-16-040325 | Solid | 04/03/2025 | 12:20 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-05 | OU4-VSL-17-040325 | Solid | 04/03/2025 | 12:30 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-07 | OU4-PCS-TC-21-040325 | Solid | 04/03/2025 | 13:45 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-09 | OU4-PCS-TC-22-040325 | Solid | 04/03/2025 | 13:50 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-11 | OU4-PCS-TC-23-040325 | Solid | 04/03/2025 | 13:55 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-13 | OU4-PCS-TC-24-040325 | Solid | 04/03/2025 | 14:00 | VOCMS Group3 | | 8260D | | 10 Bus. Days |
| Q1730-15 | OU4-PCS-TC-25-040325 | Solid | 04/03/2025 | 14:05 | | | | | |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1730 NOBI03
**Client Name :** Nobis Group
**Client Contact :** Adam Roy
**Invoice Name :** Nobis Group
**Invoice Contact :** Adam Roy

**Order Date :** 4/4/2025 10:51:00 AM
**Project Name :** Raymark Superfund Site
**Receive DateTime :** 4/4/2025 10:45:00 AM
**Purchase Order :**

**Project Mgr :** Yazmeen
**Report Type :** Level 4
**EDD Type :** EQUIS
**Hard Copy Date :**
**Date Signoff :** 4/4/2025 11:24:53 AM

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1730-17 | OU4-PCS-TC-26-040325 | Solid | 04/03/2025 | 14:10 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |
| Q1730-19 | OU4-CF-15-040325 | Solid | 04/03/2025 | 13:00 | | | | | |
| | | | | | VOCMS Group3 | | 8260D | 10 Bus. Days | |

**Relinguished By :**
**Date / Time :** 4/4/25 1145

**Received By :**
**Date / Time :** 4/4/25 14:15

**Storage Area :** **VOA Refridgerator Room**

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.693 | 3.690 | 705.7E6 | 403.4E6 | 75.190 | 74.986 |
| 2) | SA Decachlor... | 8.745 | 8.696 | 568.9E6 | 170.8E6 | 75.465 | 72.950 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 4.785 | 4.772 | 246.8E6 | 133.8E6 | 747.915 | 745.960 |
| 4) | L1 AR-1016-2 | 4.805 | 4.791 | 347.8E6 | 195.6E6 | 753.172 | 750.675 |
| 5) | L1 AR-1016-3 | 4.862 | 4.967 | 233.7E6 | 104.0E6 | 751.394 | 748.099 |
| 6) | L1 AR-1016-4 | 4.982 | 5.009 | 186.4E6 | 84297055 | 751.636 | 746.609 |
| 7) | L1 AR-1016-5 | 5.239 | 5.222 | 197.8E6 | 110.8E6 | 753.927 | 750.256 |
| 31) | L7 AR-1260-1 | 6.280 | 6.255 | 350.7E6 | 185.8E6 | 755.816 | 746.573 |
| 32) | L7 AR-1260-2 | 6.470 | 6.442 | 429.8E6 | 216.7E6 | 759.623 | 745.669 |
| 33) | L7 AR-1260-3 | 6.837 | 6.595 | 362.6E6 | 209.2E6 | 757.414 | 751.587 |
| 34) | L7 AR-1260-4 | 7.098 | 7.067 | 310.3E6 | 154.0E6 | 751.251 | 745.577 |
| 35) | L7 AR-1260-5 | 7.340 | 7.307 | 800.9E6 | 394.6E6 | 755.153 | 803.094 |

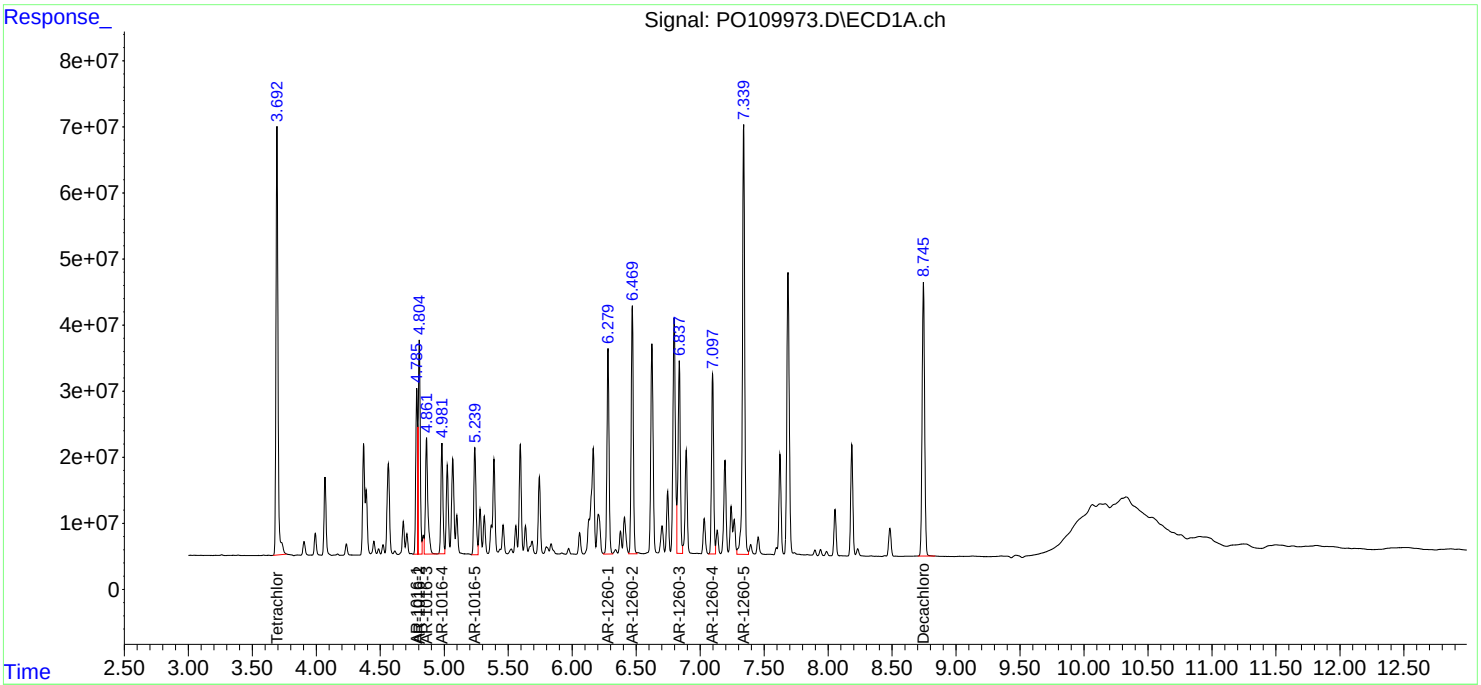
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

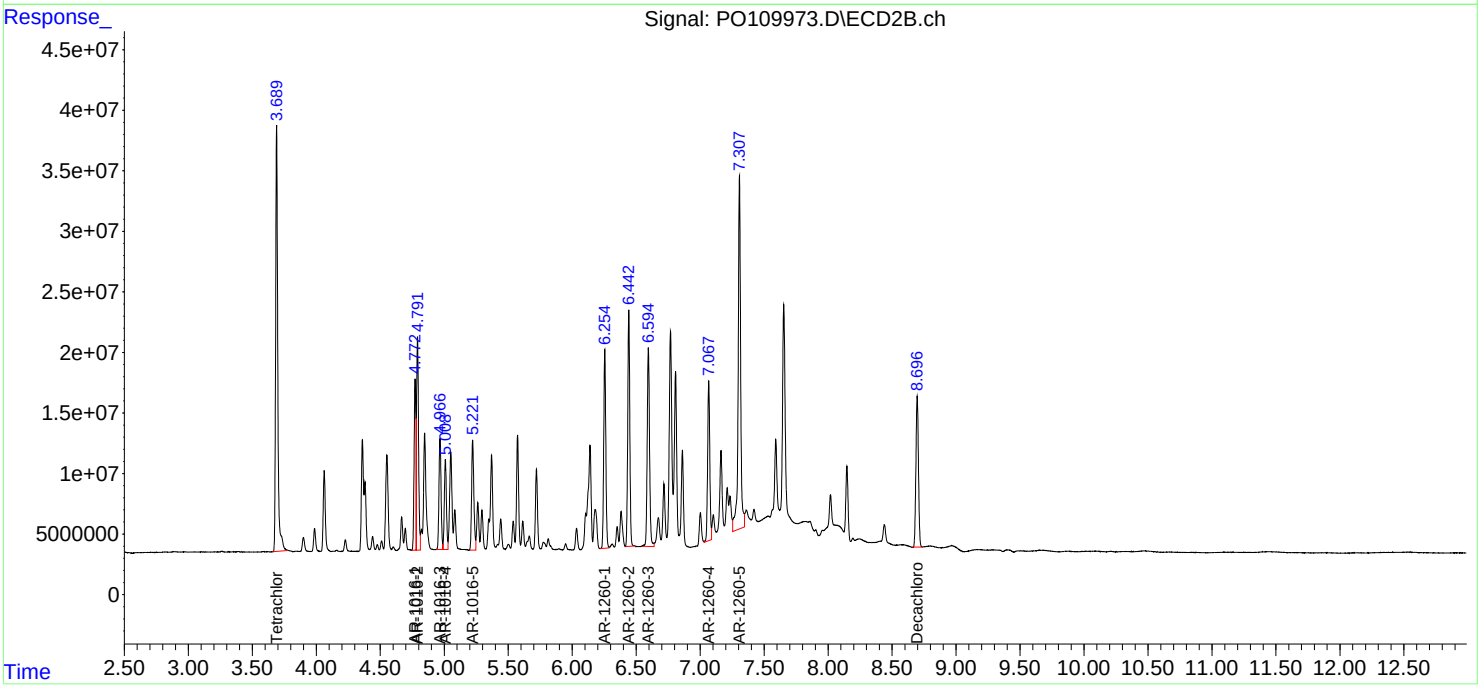
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109973.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 14:21
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

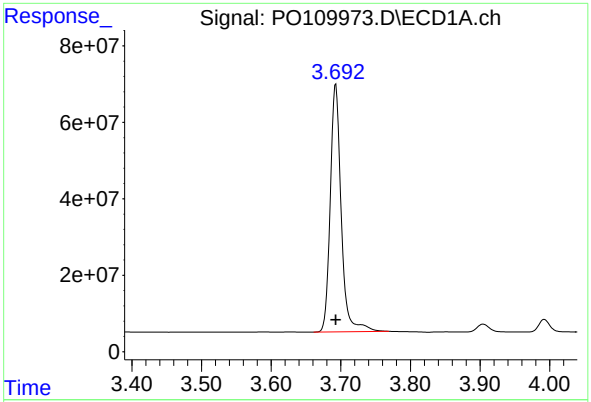
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:36:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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



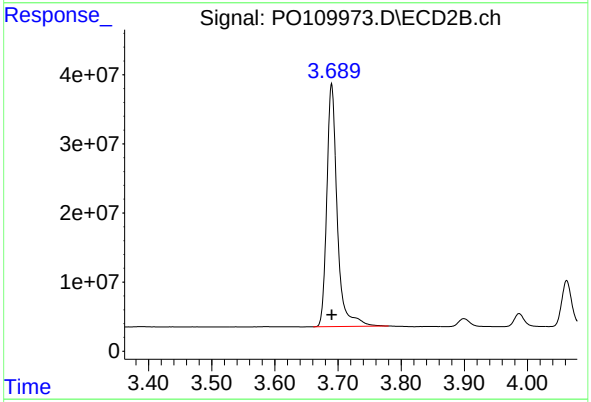






#1 Tetrachloro-m-xylene

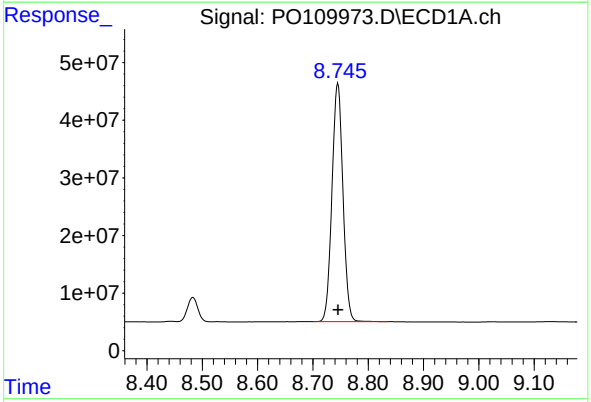
R.T.: 3.693 min
Delta R.T.: 0.000 min
Response: 705727801
Conc: 75.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



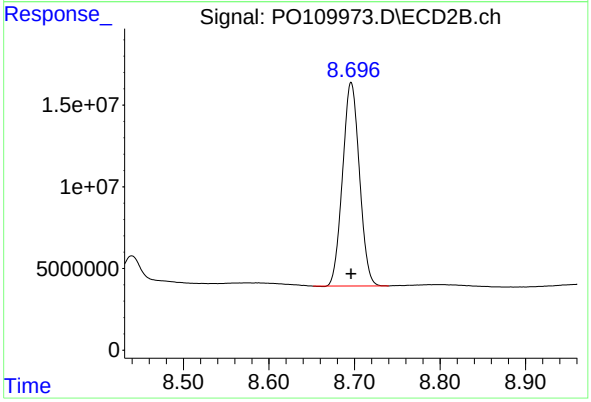

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 403376580
Conc: 74.99 ng/ml



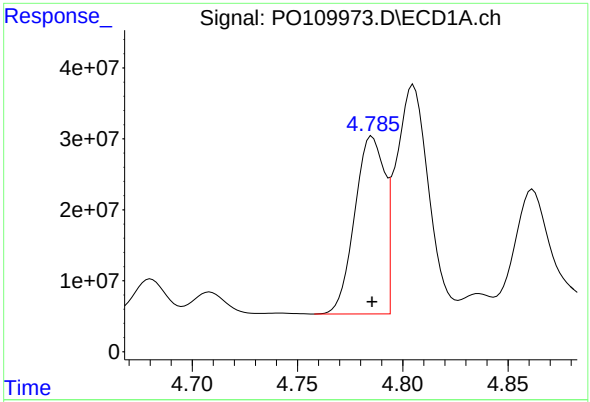

#2 Decachlorobiphenyl

R.T.: 8.745 min
Delta R.T.: 0.000 min
Response: 568890214
Conc: 75.47 ng/ml




#2 Decachlorobiphenyl

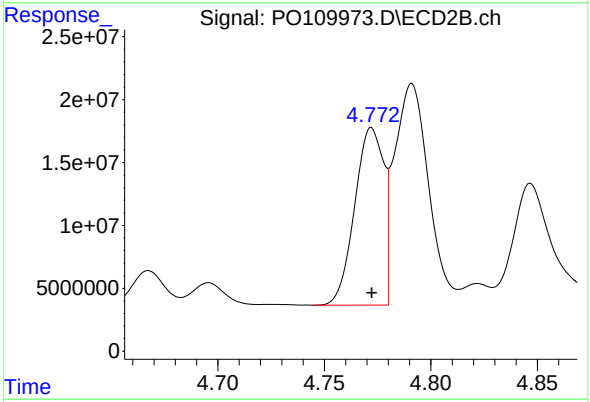
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 170836588
Conc: 72.95 ng/ml




#3 AR-1016-1

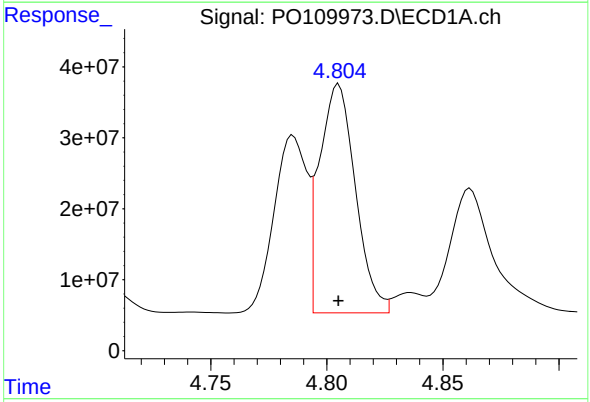
R.T.: 4.785 min
Delta R.T.: 0.000 min
Response: 246831835
Conc: 747.92 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



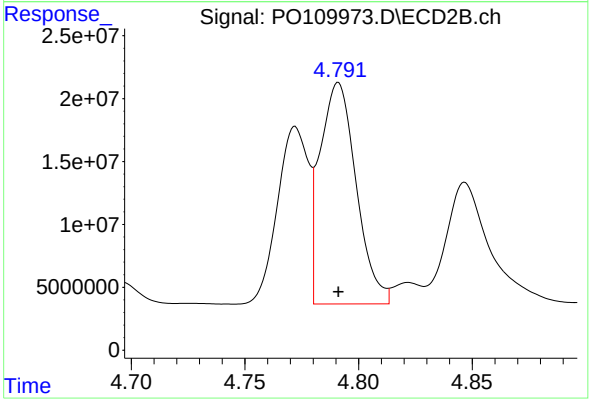

#3 AR-1016-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 133795284
Conc: 745.96 ng/ml



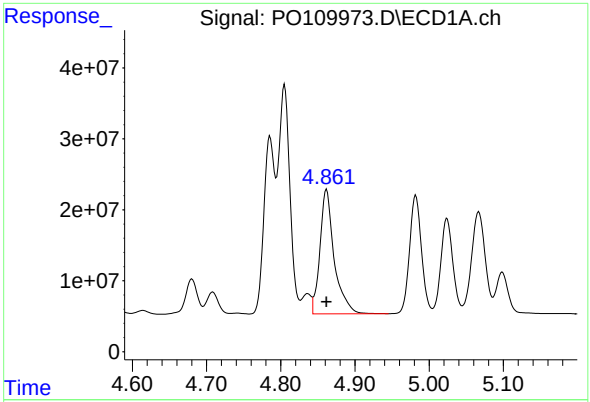

#4 AR-1016-2

R.T.: 4.805 min
Delta R.T.: 0.000 min
Response: 347782380
Conc: 753.17 ng/ml




#4 AR-1016-2

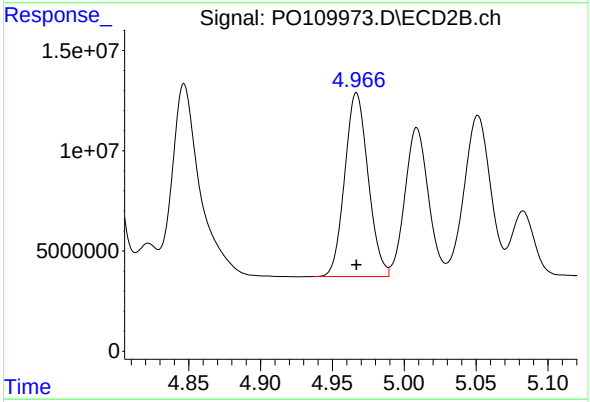
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 195632208
Conc: 750.68 ng/ml




#5 AR-1016-3

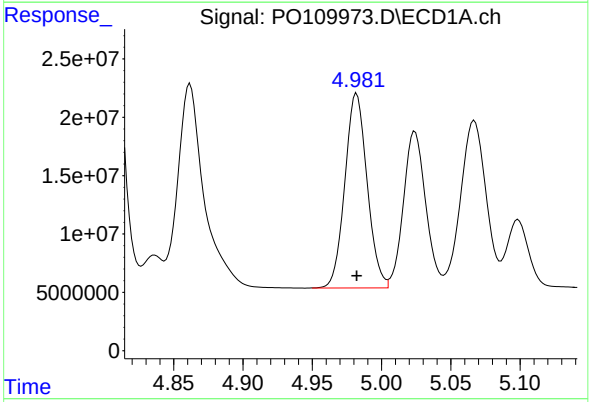
R.T.: 4.862 min
Delta R.T.: 0.000 min
Response: 233678232
Conc: 751.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



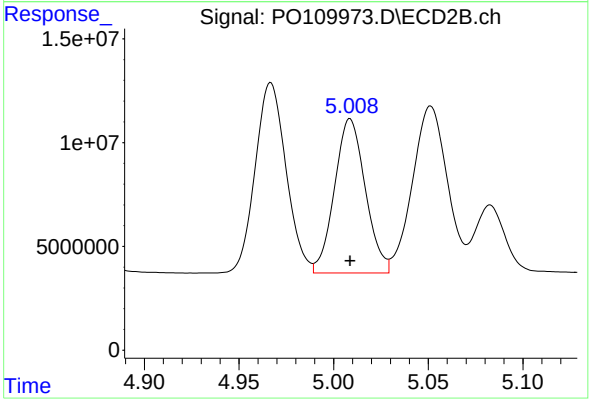

#5 AR-1016-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 103988837
Conc: 748.10 ng/ml



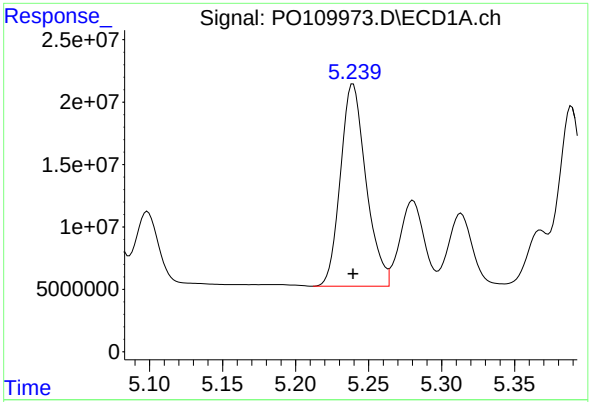

#6 AR-1016-4

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 186394664
Conc: 751.64 ng/ml




#6 AR-1016-4

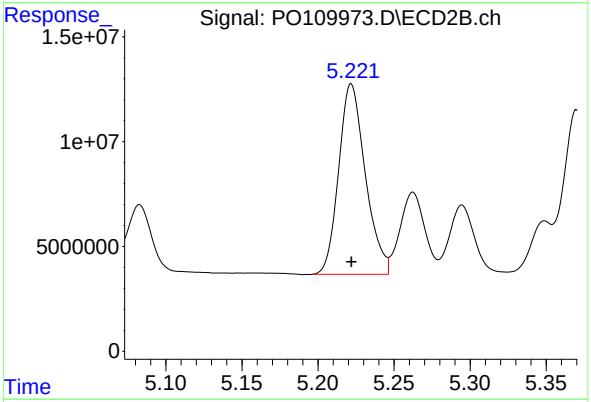
R.T.: 5.009 min
Delta R.T.: 0.000 min
Response: 84297055
Conc: 746.61 ng/ml




#7 AR-1016-5

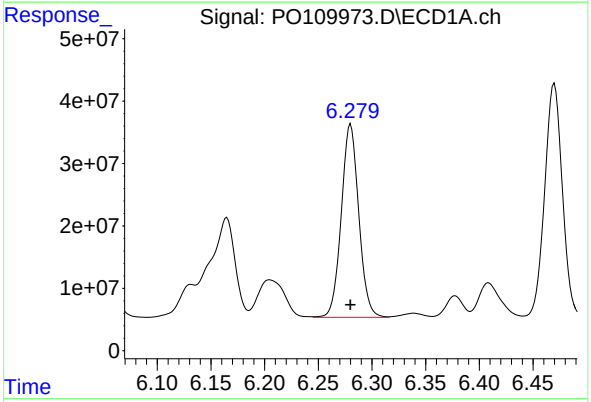
R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 197756047
Conc: 753.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



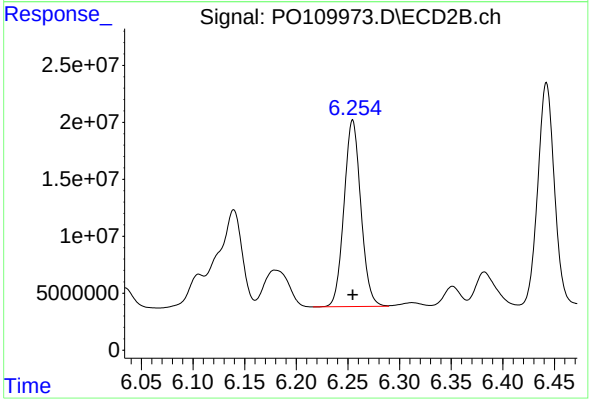

#7 AR-1016-5

R.T.: 5.222 min
Delta R.T.: 0.000 min
Response: 110764402
Conc: 750.26 ng/ml



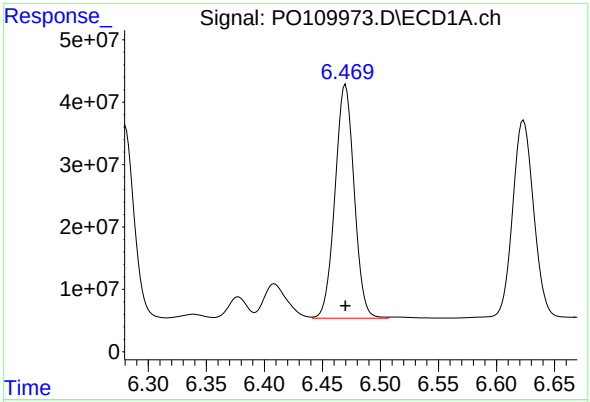

#31 AR-1260-1

R.T.: 6.280 min
Delta R.T.: 0.000 min
Response: 350689884
Conc: 755.82 ng/ml




#31 AR-1260-1

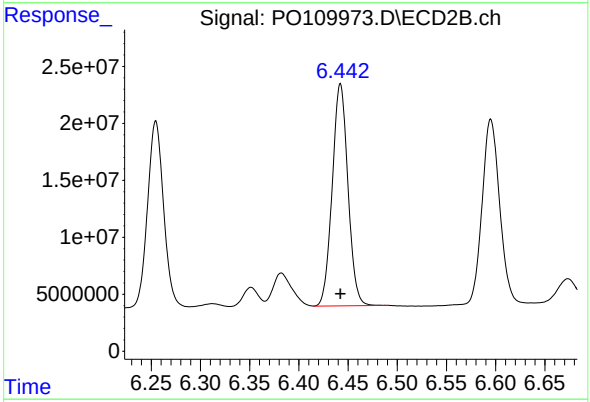
R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 185810579
Conc: 746.57 ng/ml




#32 AR-1260-2

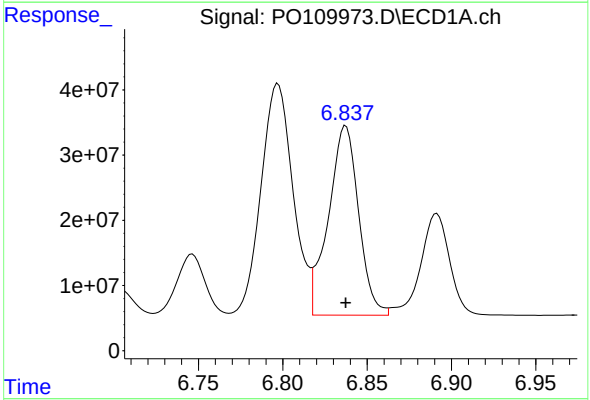
R.T.: 6.470 min
Delta R.T.: 0.000 min
Response: 429776784
Conc: 759.62 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



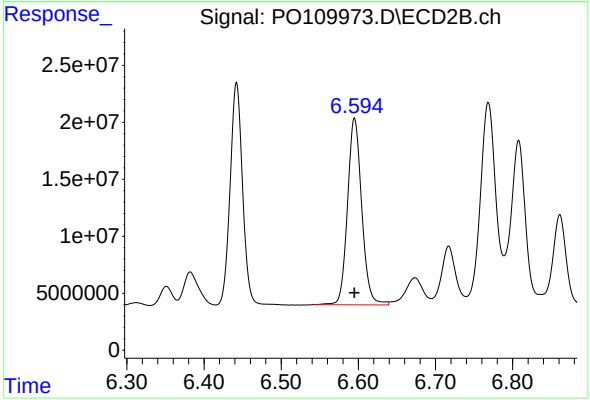

#32 AR-1260-2

R.T.: 6.442 min
Delta R.T.: 0.000 min
Response: 216749564
Conc: 745.67 ng/ml



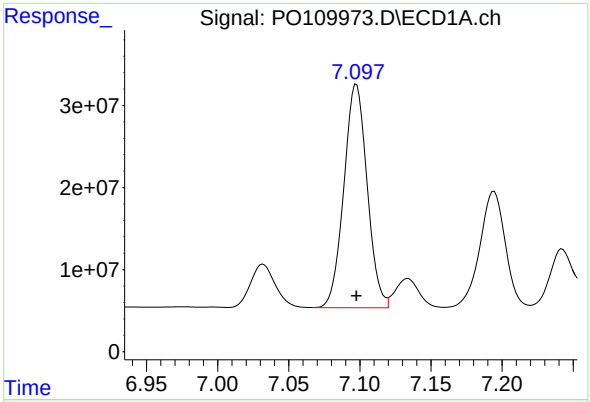

#33 AR-1260-3

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 362605874
Conc: 757.41 ng/ml




#33 AR-1260-3

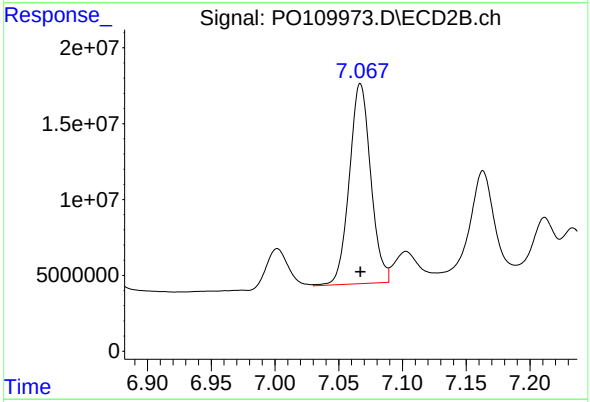
R.T.: 6.595 min
Delta R.T.: 0.000 min
Response: 209216211
Conc: 751.59 ng/ml




#34 AR-1260-4

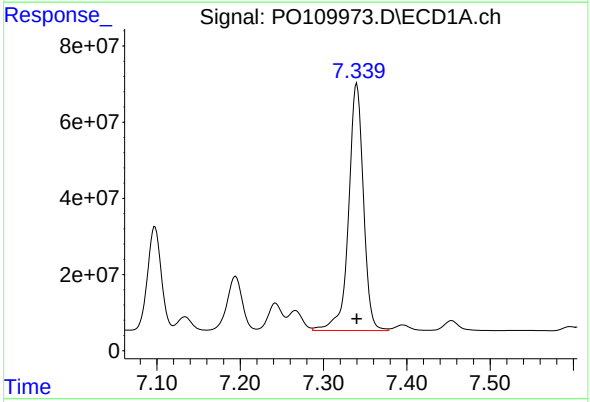
R.T.: 7.098 min
Delta R.T.: 0.000 min
Response: 310296283
Conc: 751.25 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750



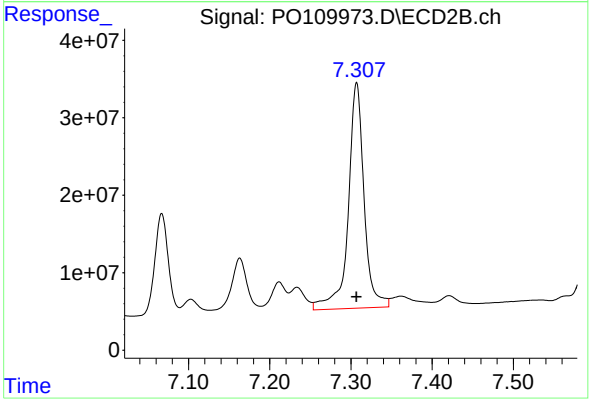

#34 AR-1260-4

R.T.: 7.067 min
Delta R.T.: 0.000 min
Response: 154008109
Conc: 745.58 ng/ml




#35 AR-1260-5

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 800891670
Conc: 755.15 ng/ml




#35 AR-1260-5

R.T.: 7.307 min
Delta R.T.: 0.000 min
Response: 394605629
Conc: 803.09 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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... | 3.691 | 3.688 | 39998137 | 22828400 | 4.395 | 4.353 | |
| 2) | SA Decachlor... | 8.744 | 8.695 | 38817794 | 12425222 | 5.049 | 5.121 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 4.784 | 4.771 | 16902653 | 9160493 | 50.224 | 49.988 | |
| 4) | L1 AR-1016-2 | 4.804 | 4.790 | 22043406 | 12469957 | 47.540 | 47.685 | |
| 5) | L1 AR-1016-3 | 4.860 | 4.965 | 16411868 | 7085785 | 51.193 | 49.978 | |
| 6) | L1 AR-1016-4 | 4.981 | 5.008 | 12569483 | 6253080 | 49.743 | 53.024 | |
| 7) | L1 AR-1016-5 | 5.238 | 5.220 | 14890720 | 7955288 | 54.174 | 52.023 | |
| 31) | L7 AR-1260-1 | 6.279 | 6.253 | 27190975 | 14406182 | 57.396 | 56.300 | |
| 32) | L7 AR-1260-2 | 6.468 | 6.441 | 33768251 | 15676301 | 56.704 | 52.205 | |
| 33) | L7 AR-1260-3 | 6.836 | 6.594 | 24202394 | 18027606 | 49.871 | 62.952 | # |
| 34) | L7 AR-1260-4 | 7.096 | 7.065 | 21433117 | 11320638 | 50.530 | 52.635 | |
| 35) | L7 AR-1260-5 | 7.339 | 7.306 | 47957612 | 24758089 | 45.855 | 49.646 | |

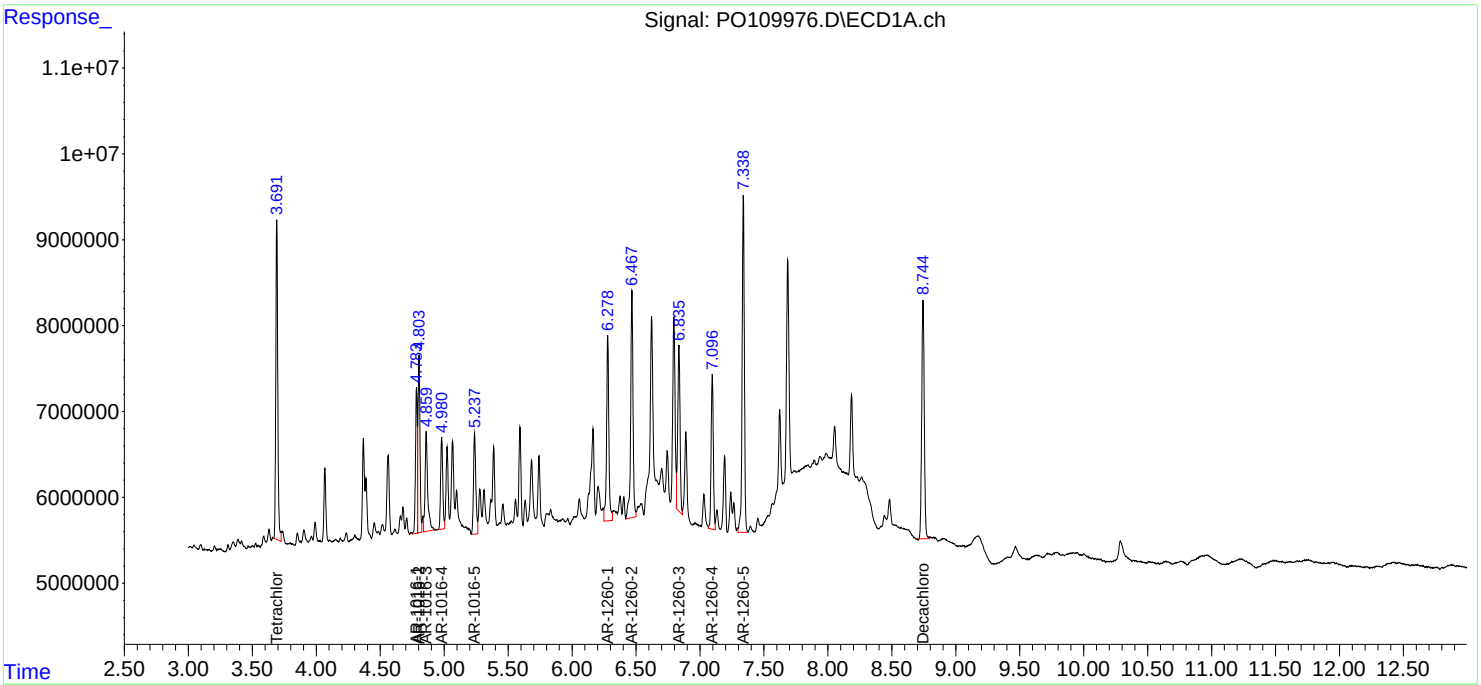
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

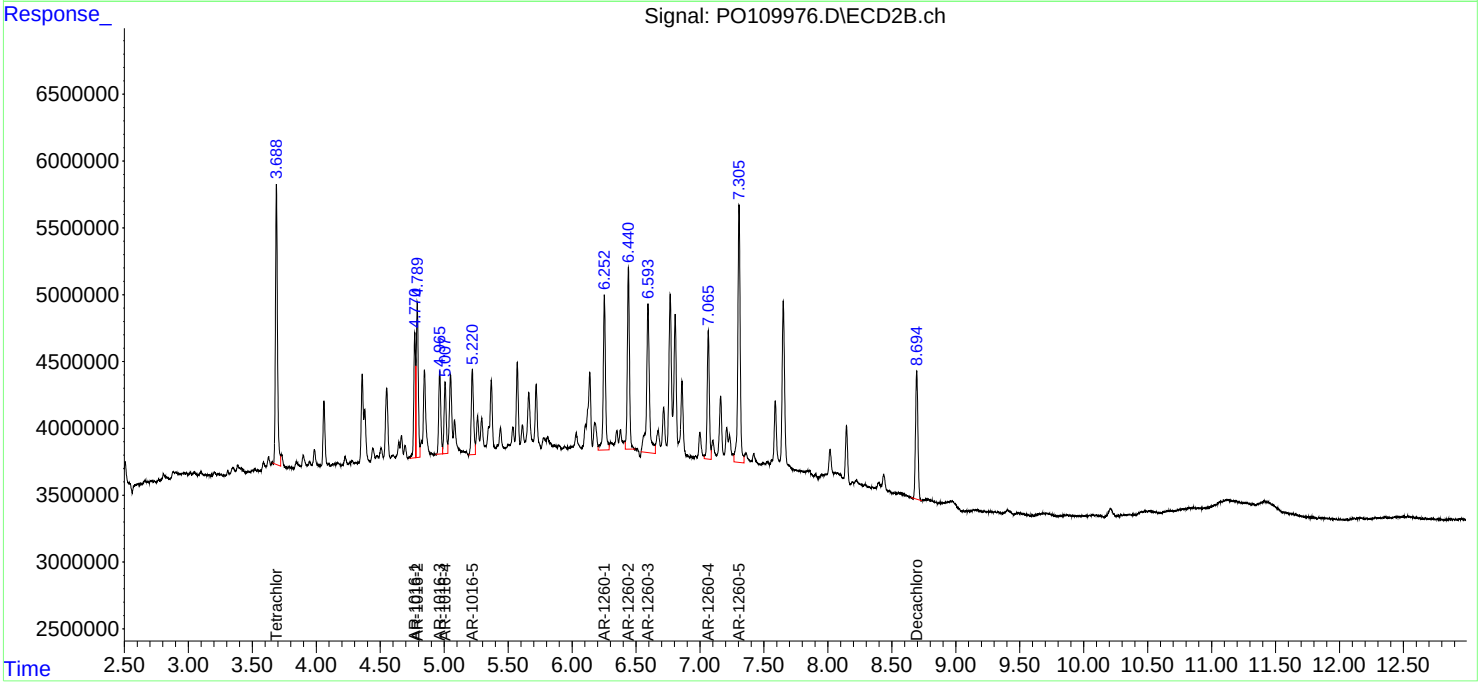
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109976.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 15:16
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

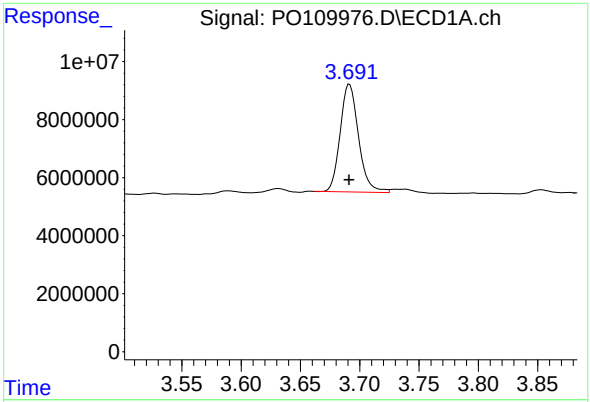
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 16:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 16:30:31 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



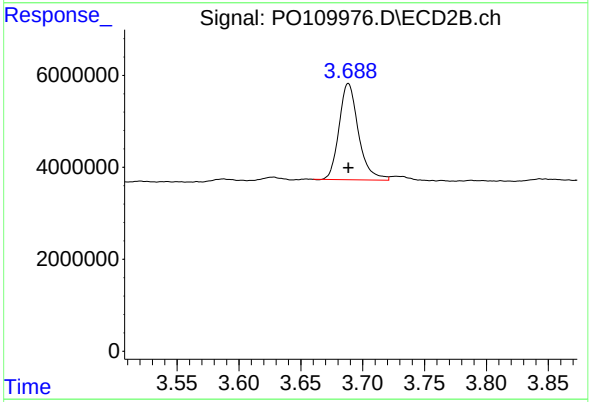






#1 Tetrachloro-m-xylene

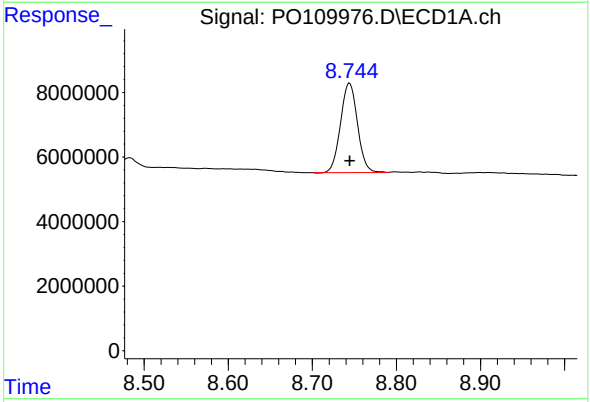
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 39998137
Conc: 4.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



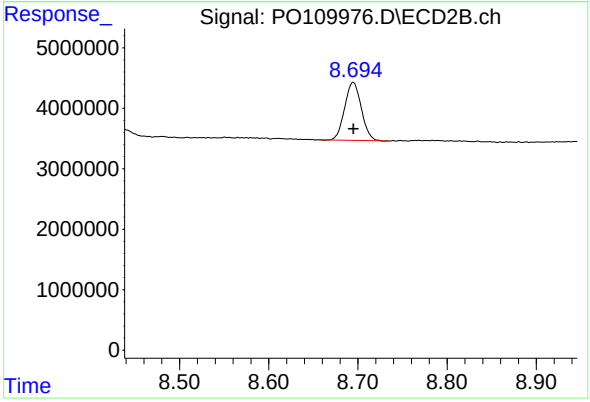

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: 0.000 min
Response: 22828400
Conc: 4.35 ng/ml



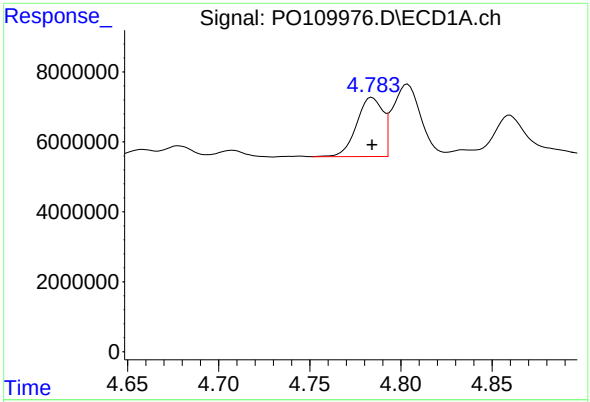

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 38817794
Conc: 5.05 ng/ml




#2 Decachlorobiphenyl

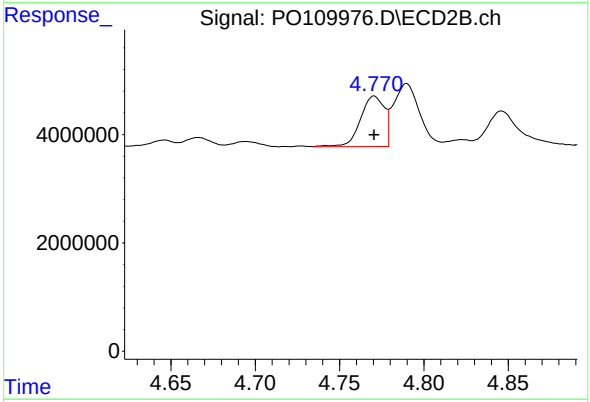
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 12425222
Conc: 5.12 ng/ml




#3 AR-1016-1

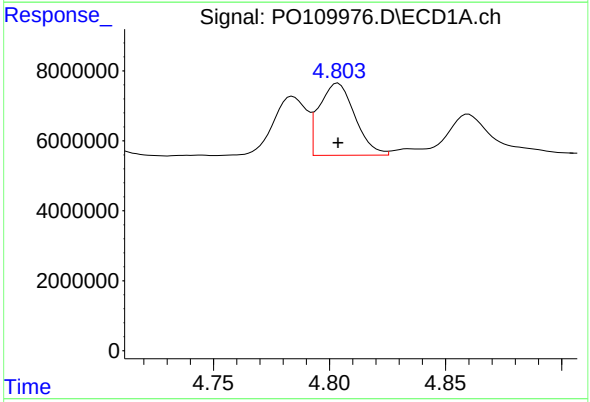
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 16902653
Conc: 50.22 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



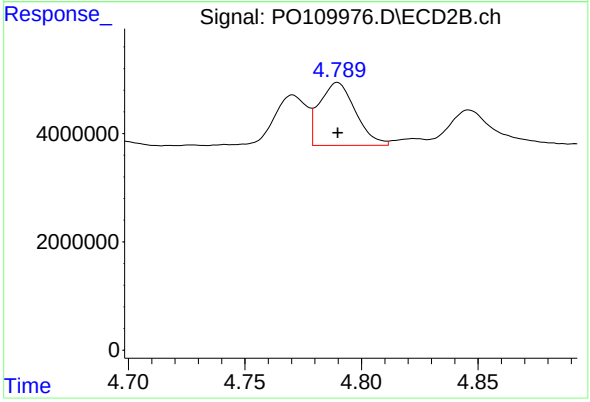

#3 AR-1016-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 9160493
Conc: 49.99 ng/ml



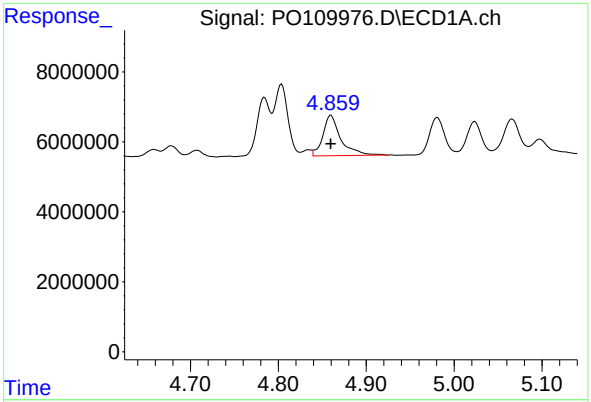

#4 AR-1016-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 22043406
Conc: 47.54 ng/ml




#4 AR-1016-2

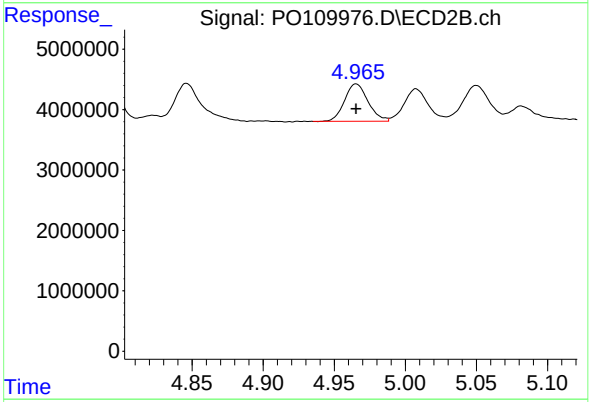
R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 12469957
Conc: 47.69 ng/ml




#5 AR-1016-3

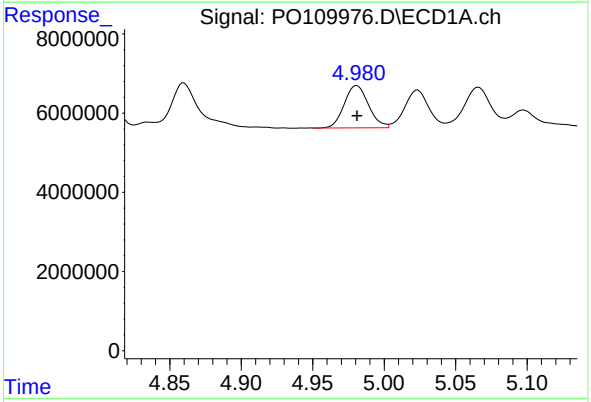
R.T.: 4.860 min
Delta R.T.: 0.000 min
Response: 16411868
Conc: 51.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



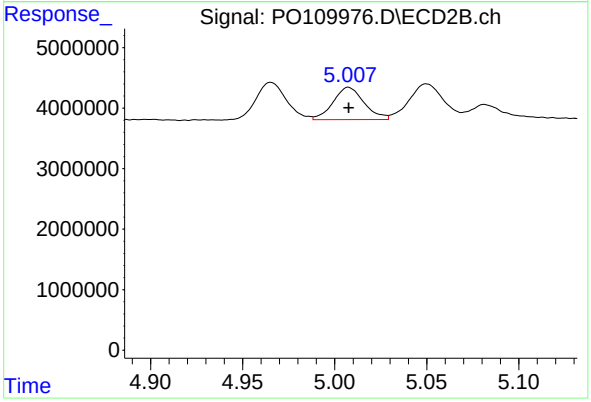

#5 AR-1016-3

R.T.: 4.965 min
Delta R.T.: 0.000 min
Response: 7085785
Conc: 49.98 ng/ml



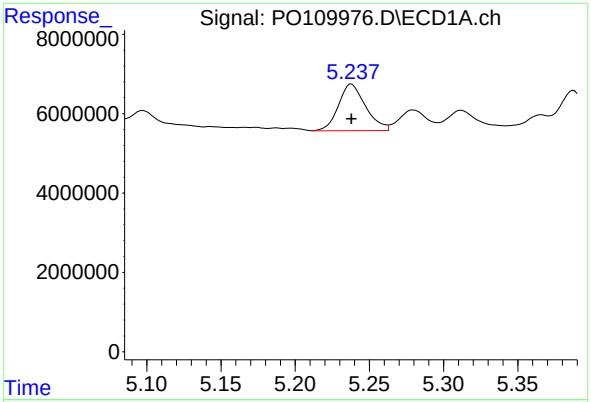

#6 AR-1016-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 12569483
Conc: 49.74 ng/ml




#6 AR-1016-4

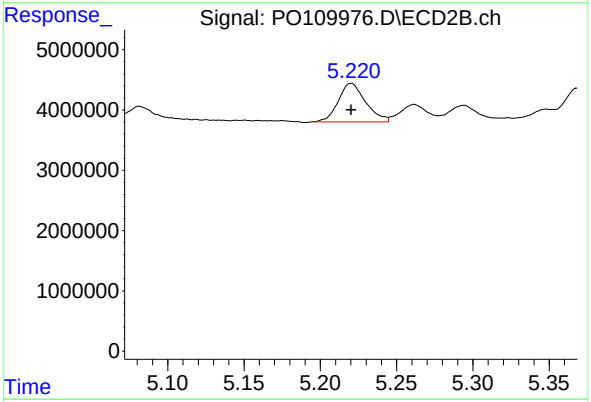
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 6253080
Conc: 53.02 ng/ml




#7 AR-1016-5

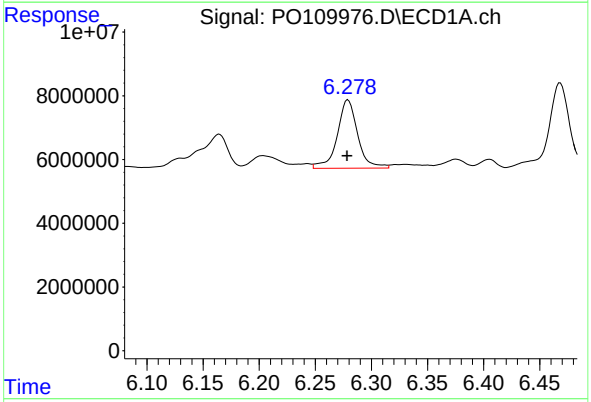
R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 14890720
Conc: 54.17 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



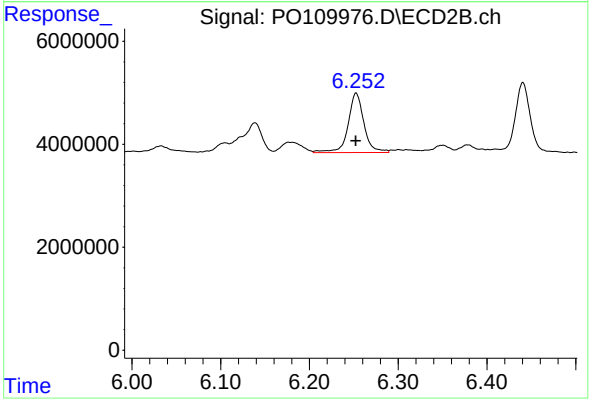

#7 AR-1016-5

R.T.: 5.220 min
Delta R.T.: 0.000 min
Response: 7955288
Conc: 52.02 ng/ml



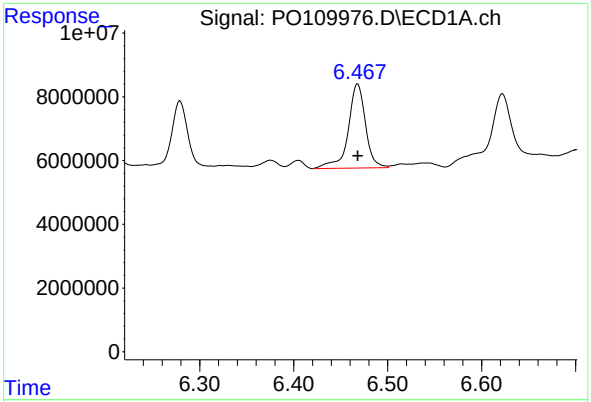

#31 AR-1260-1

R.T.: 6.279 min
Delta R.T.: 0.000 min
Response: 27190975
Conc: 57.40 ng/ml




#31 AR-1260-1

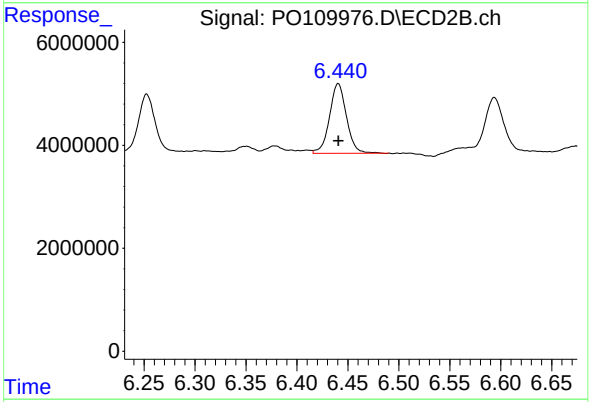
R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 14406182
Conc: 56.30 ng/ml




#32 AR-1260-2

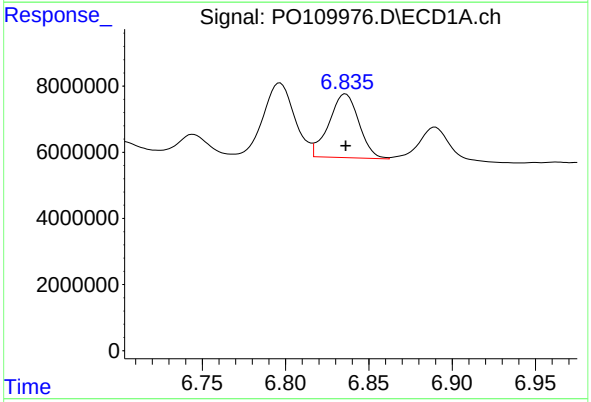
R.T.: 6.468 min
Delta R.T.: 0.000 min
Response: 33768251
Conc: 56.70 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



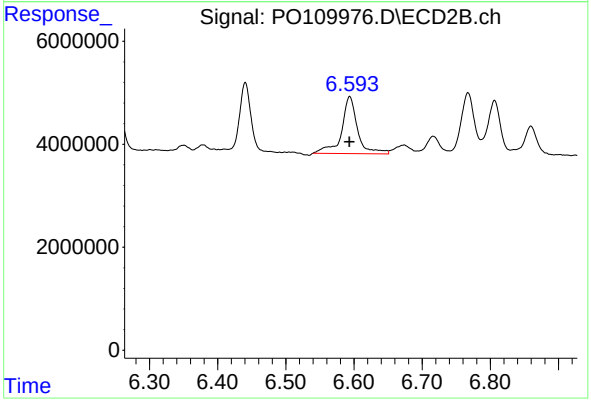

#32 AR-1260-2

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 15676301
Conc: 52.20 ng/ml



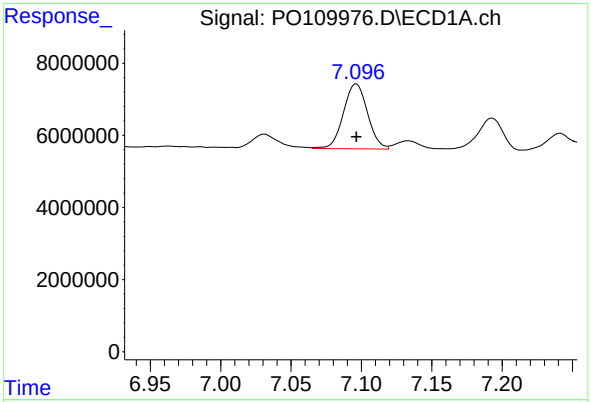

#33 AR-1260-3

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 24202394
Conc: 49.87 ng/ml




#33 AR-1260-3

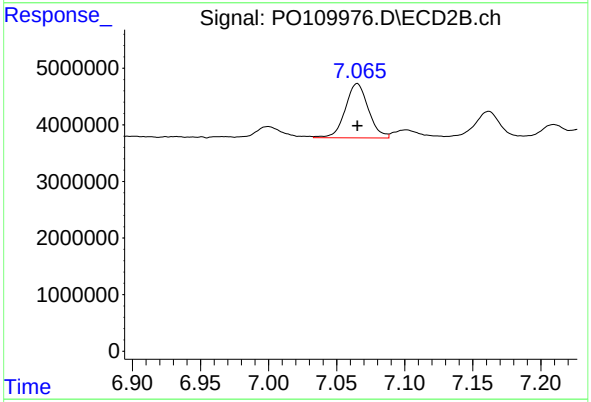
R.T.: 6.594 min
Delta R.T.: 0.000 min
Response: 18027606
Conc: 62.95 ng/ml




#34 AR-1260-4

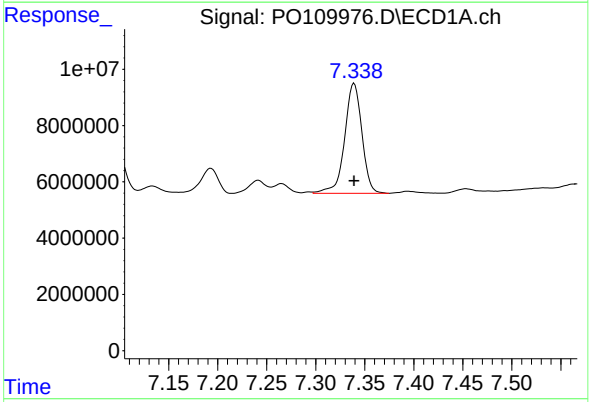
R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 21433117
Conc: 50.53 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050



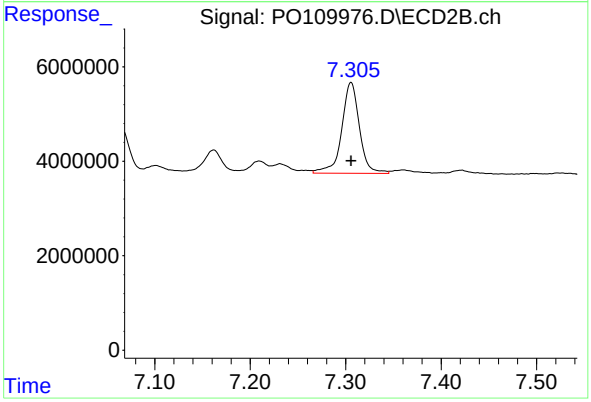

#34 AR-1260-4

R.T.: 7.065 min
Delta R.T.: 0.000 min
Response: 11320638
Conc: 52.63 ng/ml




#35 AR-1260-5

R.T.: 7.339 min
Delta R.T.: 0.000 min
Response: 47957612
Conc: 45.86 ng/ml




#35 AR-1260-5

R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 24758089
Conc: 49.65 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 27043743 | 15260251 | 3.233 | 3.182 |
| 2) | SA Decachlor... | 8.744 | 8.696 | 32408304 | 10337597 | 4.500 | 4.624 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 4.784 | 4.772 | 12333502 | 6612130 | 46.123 | 45.222 |
| 17) | L4 AR-1242-2 | 4.804 | 4.791 | 16261465 | 8959332 | 44.164 | 43.066 |
| 18) | L4 AR-1242-3 | 4.859 | 4.967 | 12804073 | 4612927 | 49.638 | 41.322 |
| 19) | L4 AR-1242-4 | 4.981 | 5.051 | 8657409 | 5726073 | 43.398 | 49.373 |
| 20) | L4 AR-1242-5 | 5.634 | 5.572 | 14229681 | 8157544 | 67.609 | 59.247 |

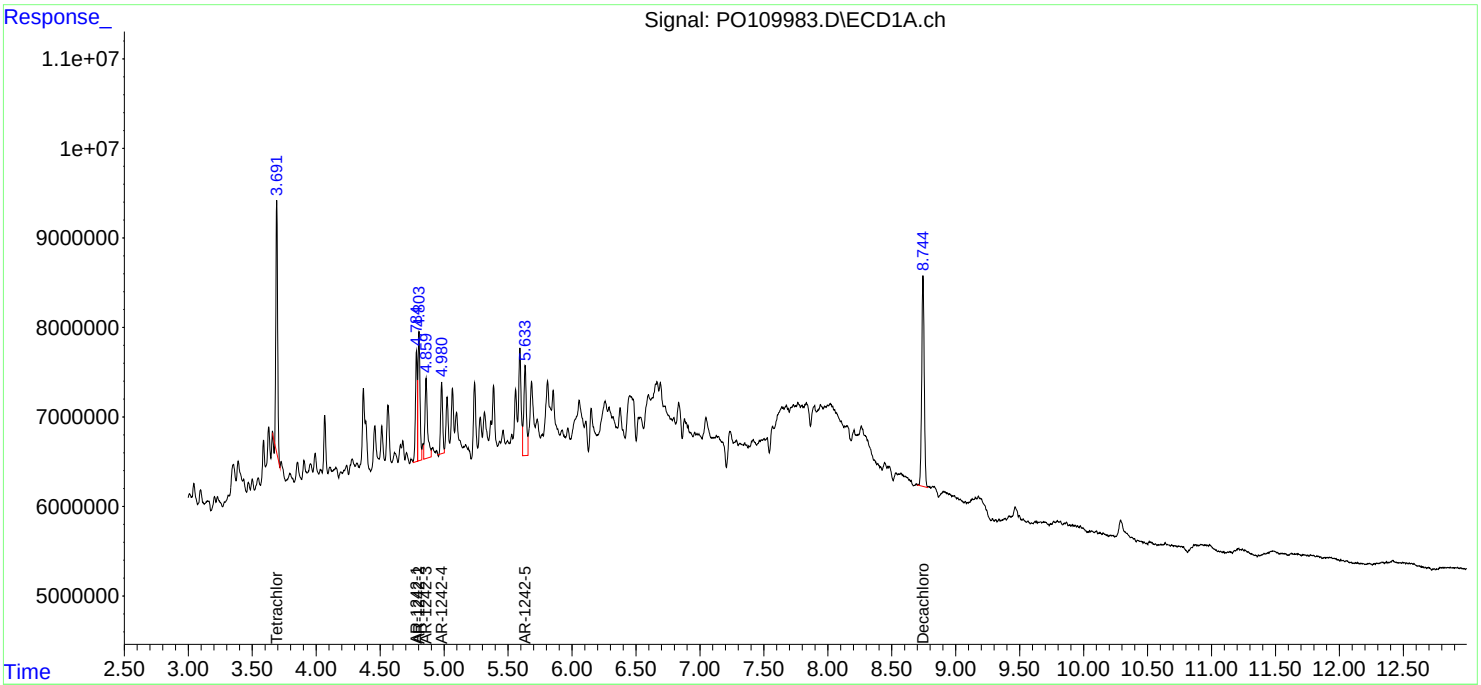
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

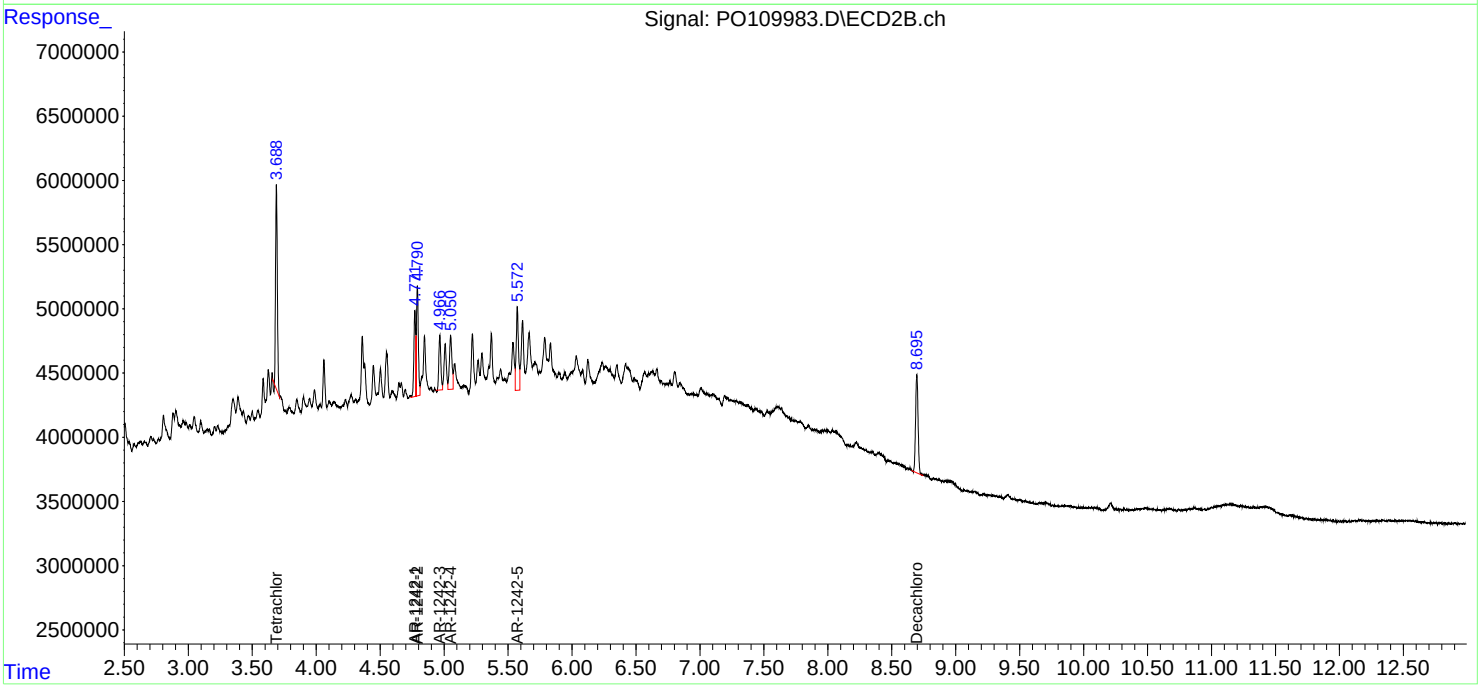
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109983.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 17:25
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

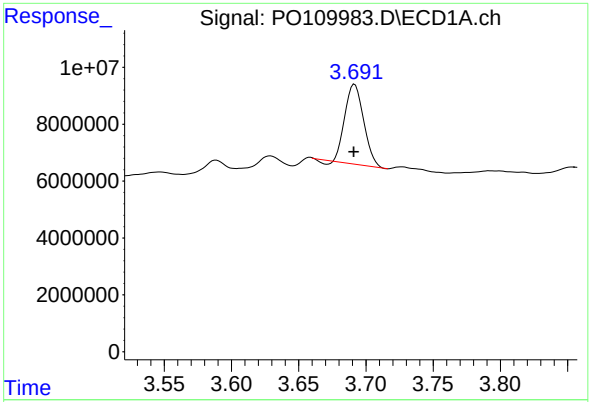
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 17:34:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Mar 18 17:34:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



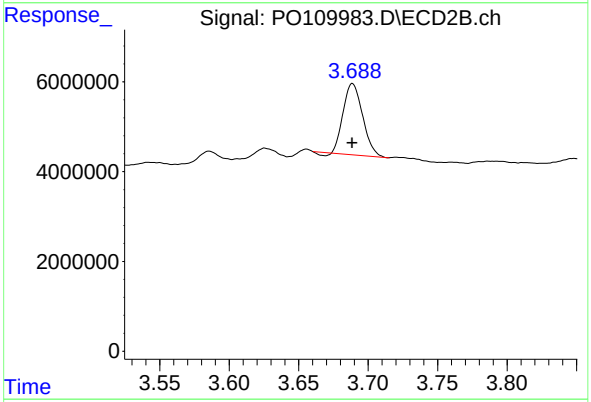






#1 Tetrachloro-m-xylene

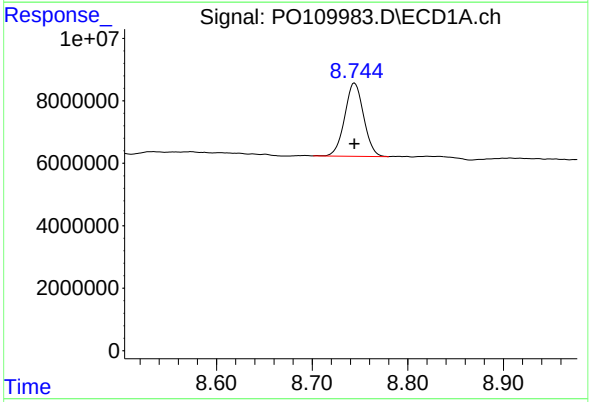
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 27043743
Conc: 3.23 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050



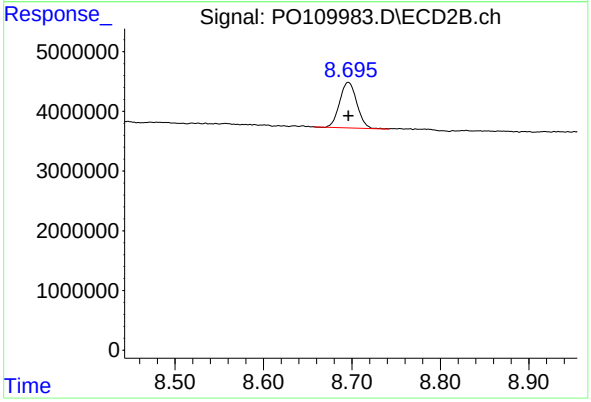

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 15260251
Conc: 3.18 ng/ml



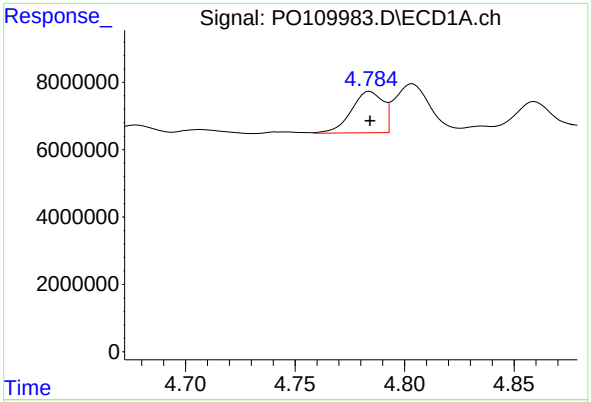

#2 Decachlorobiphenyl

R.T.: 8.744 min
Delta R.T.: 0.000 min
Response: 32408304
Conc: 4.50 ng/ml




#2 Decachlorobiphenyl

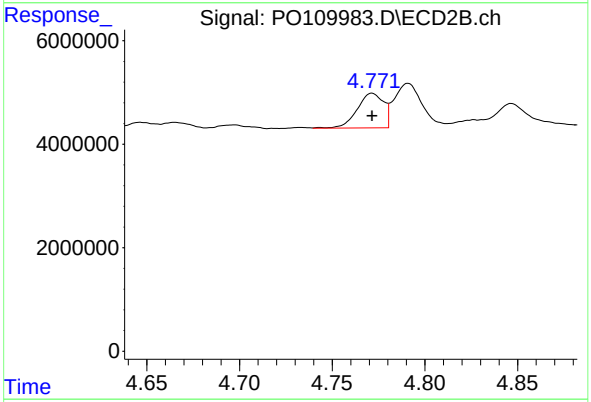
R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 10337597
Conc: 4.62 ng/ml




#16 AR-1242-1

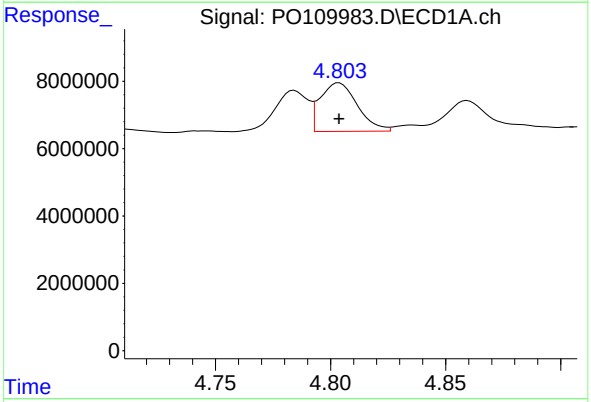
R.T.: 4.784 min
Delta R.T.: 0.000 min
Response: 12333502
Conc: 46.12 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050



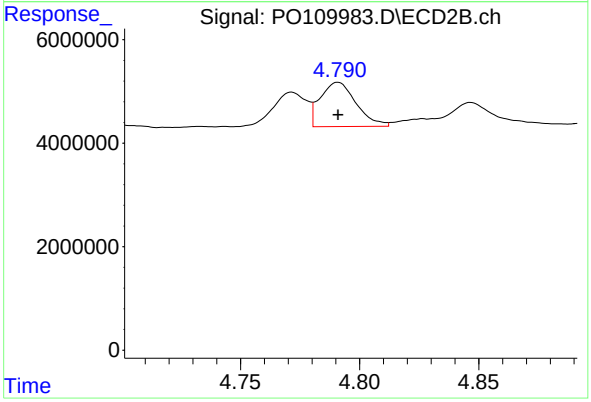

#16 AR-1242-1

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 6612130
Conc: 45.22 ng/ml



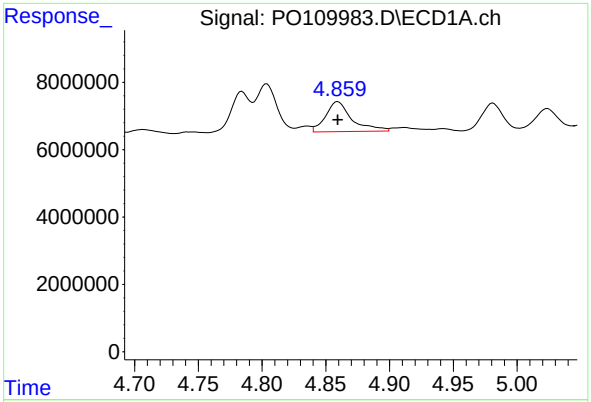

#17 AR-1242-2

R.T.: 4.804 min
Delta R.T.: 0.000 min
Response: 16261465
Conc: 44.16 ng/ml




#17 AR-1242-2

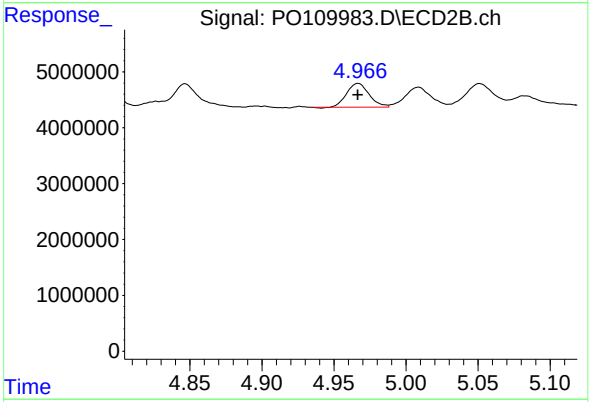
R.T.: 4.791 min
Delta R.T.: 0.000 min
Response: 8959332
Conc: 43.07 ng/ml




#18 AR-1242-3

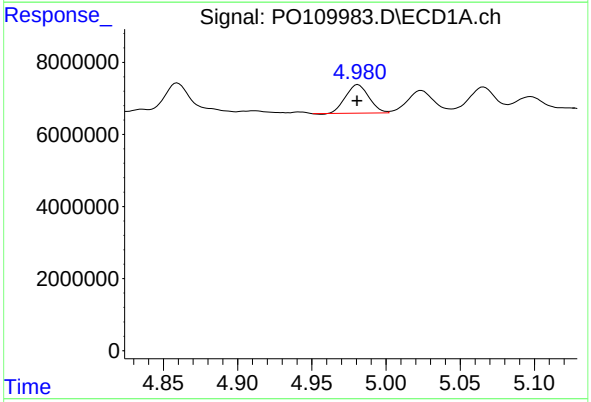
R.T.: 4.859 min
Delta R.T.: 0.000 min
Response: 12804073
Conc: 49.64 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050



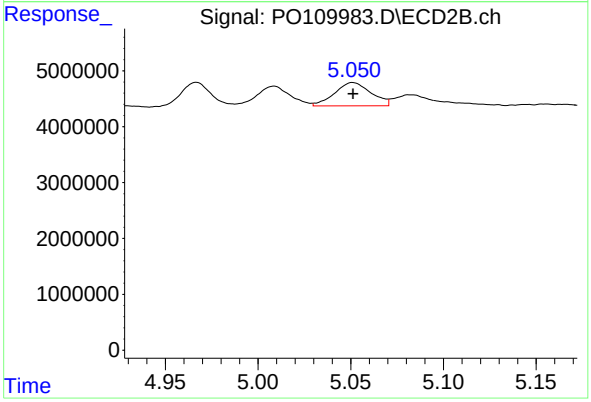

#18 AR-1242-3

R.T.: 4.967 min
Delta R.T.: 0.000 min
Response: 4612927
Conc: 41.32 ng/ml



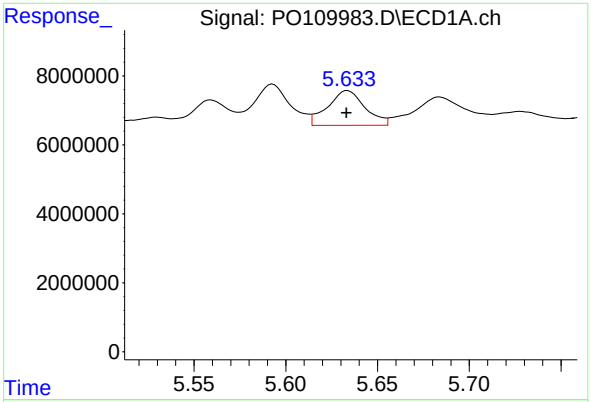

#19 AR-1242-4

R.T.: 4.981 min
Delta R.T.: 0.000 min
Response: 8657409
Conc: 43.40 ng/ml




#19 AR-1242-4

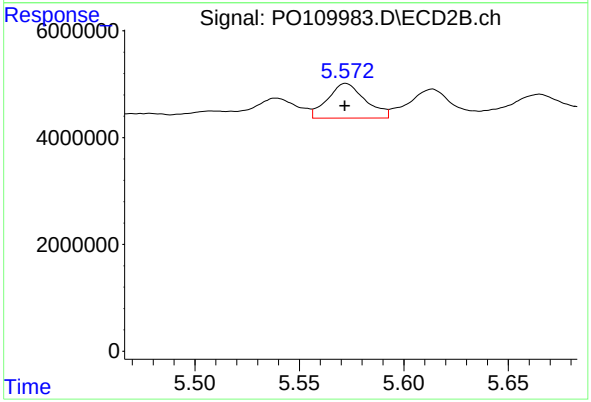
R.T.: 5.051 min
Delta R.T.: 0.000 min
Response: 5726073
Conc: 49.37 ng/ml




#20 AR-1242-5

R.T.: 5.634 min
Delta R.T.: 0.000 min
Response: 14229681
Conc: 67.61 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050




#20 AR-1242-5

R.T.: 5.572 min
Delta R.T.: 0.000 min
Response: 8157544
Conc: 59.25 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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... | 3.690 | 3.689 | 43788277 | 25352976 | 4.721 | 4.788 |
| 2) | SA Decachlor... | 8.742 | 8.695 | 41310164 | 13029410 | 5.300 | 5.557 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 4.782 | 4.771 | 11846805 | 6686511 | 53.863 | 55.572 |
| 22) | L5 AR-1248-2 | 5.021 | 5.008 | 16385888 | 9031427 | 54.426 | 53.593 |
| 23) | L5 AR-1248-3 | 5.236 | 5.050 | 22145957 | 10026048 | 59.149 | 55.979 |
| 24) | L5 AR-1248-4 | 5.591 | 5.221 | 29227773 | 12176632 | 55.856 | 58.382 |
| 25) | L5 AR-1248-5 | 5.632 | 5.613 | 20545156 | 11669383 | 55.569 | 57.295 |

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

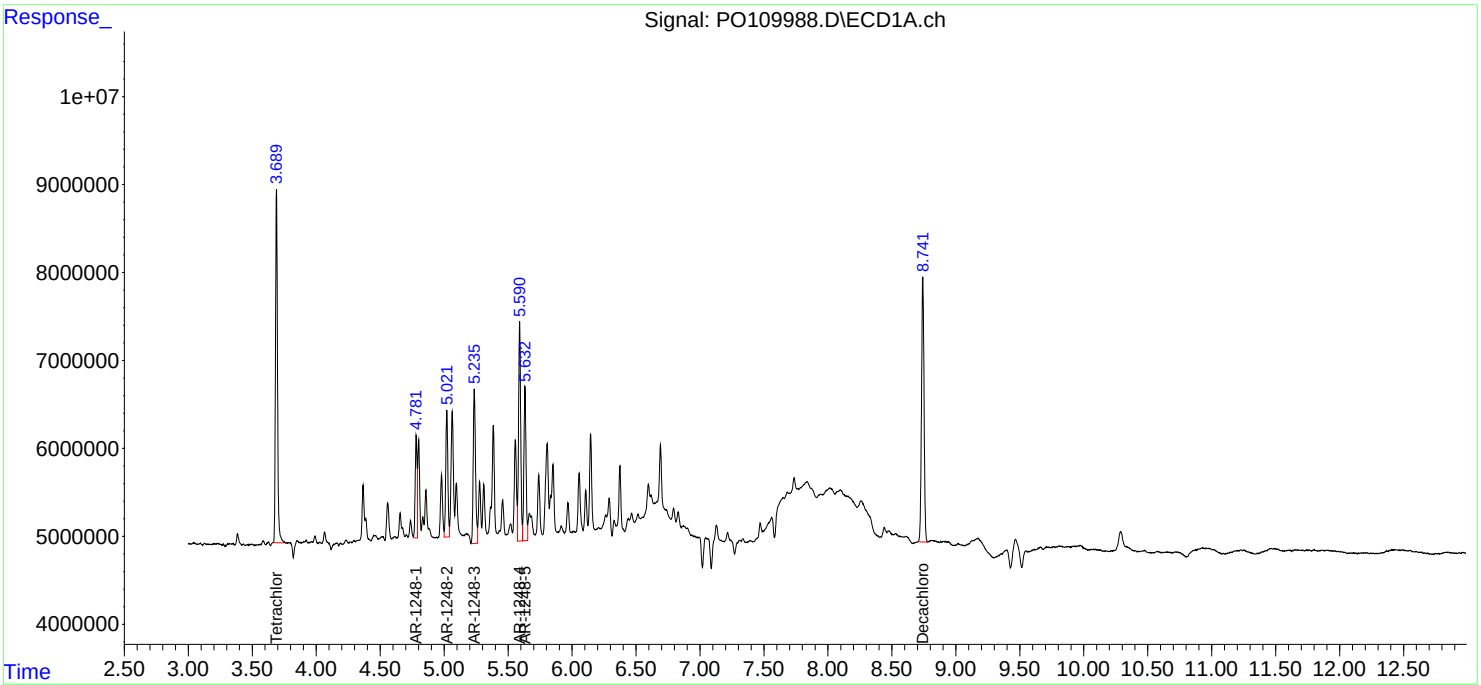
Quantitation Report (Not Reviewed)

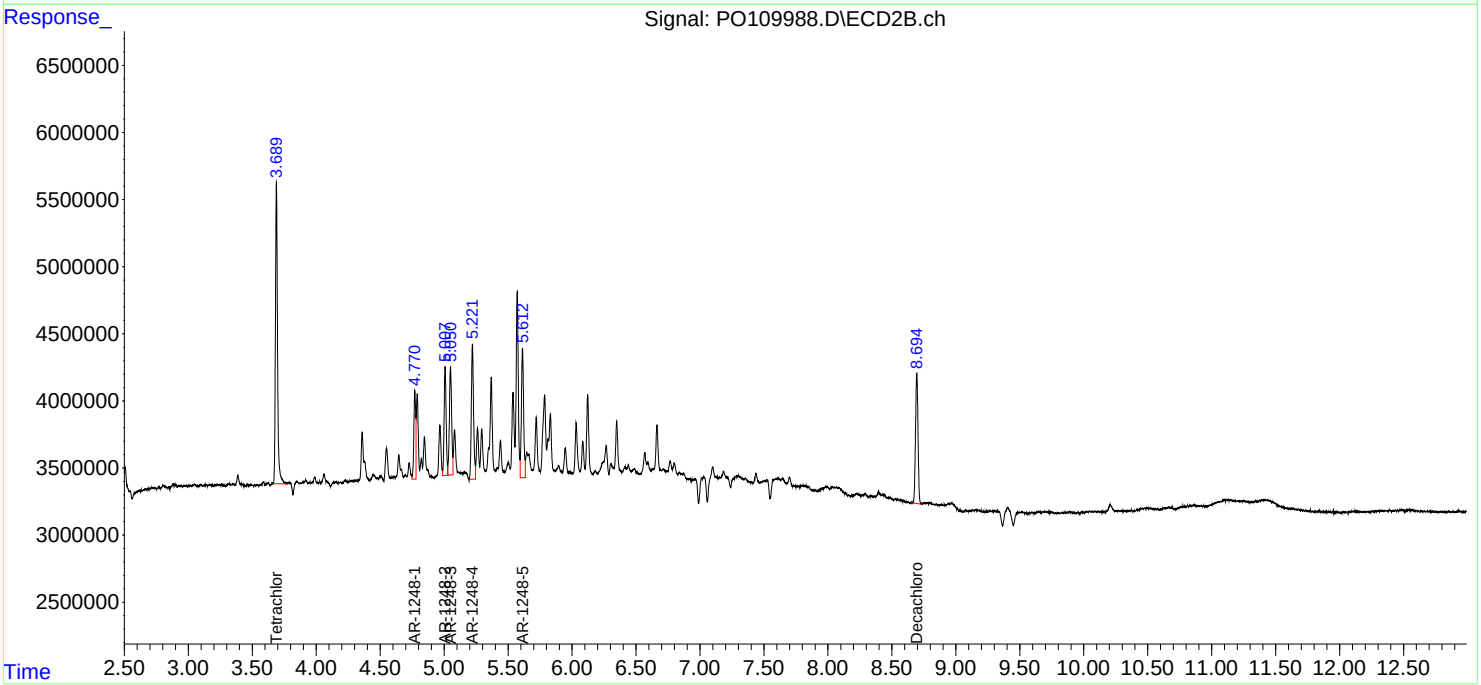
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 18:54
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

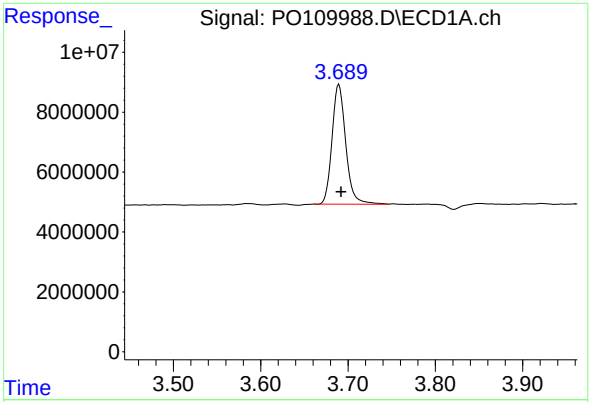
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:40:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:38:33 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



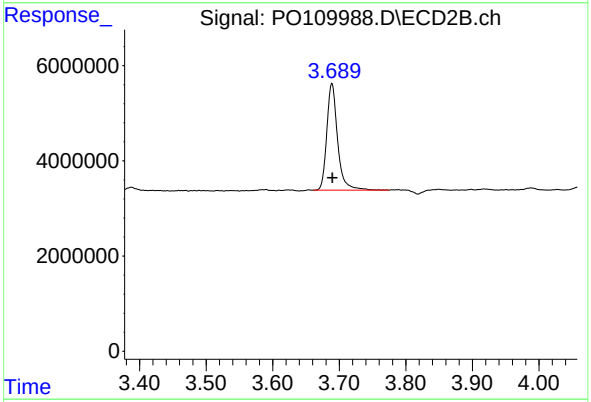






#1 Tetrachloro-m-xylene

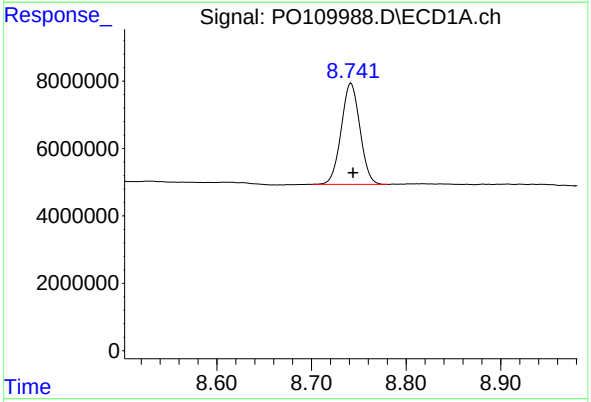
R.T.: 3.690 min
Delta R.T.: -0.002 min
Response: 43788277
Conc: 4.72 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050



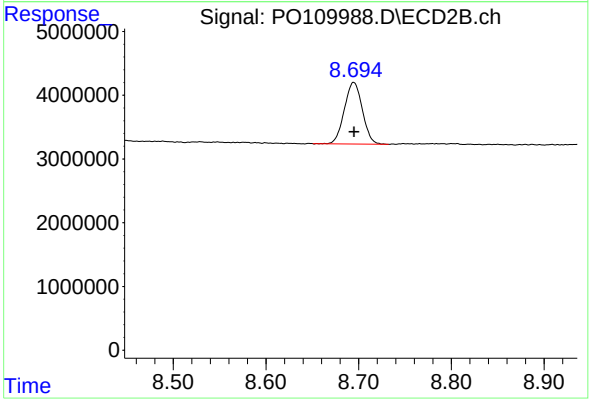

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25352976
Conc: 4.79 ng/ml



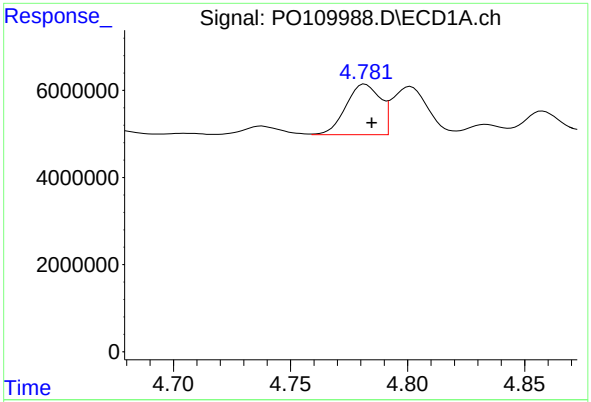

#2 Decachlorobiphenyl

R.T.: 8.742 min
Delta R.T.: -0.002 min
Response: 41310164
Conc: 5.30 ng/ml




#2 Decachlorobiphenyl

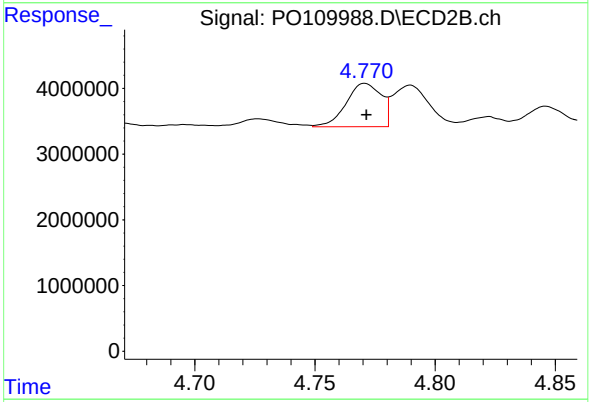
R.T.: 8.695 min
Delta R.T.: 0.000 min
Response: 13029410
Conc: 5.56 ng/ml




#21 AR-1248-1

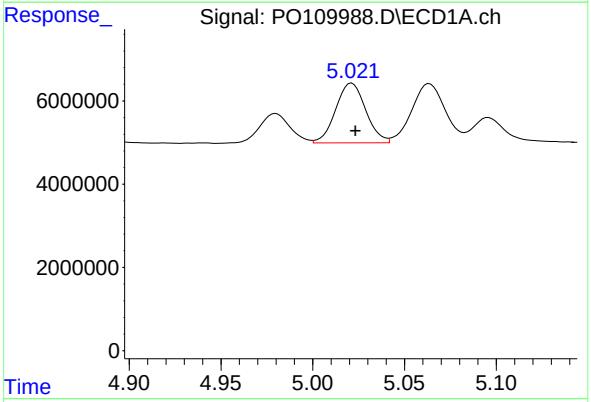
R.T.: 4.782 min
Delta R.T.: -0.003 min
Response: 11846805
Conc: 53.86 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050



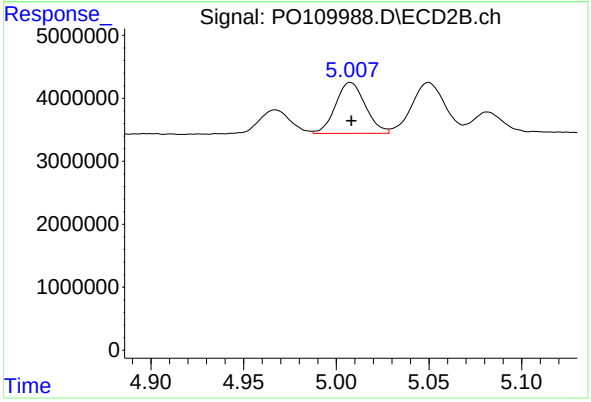

#21 AR-1248-1

R.T.: 4.771 min
Delta R.T.: 0.000 min
Response: 6686511
Conc: 55.57 ng/ml



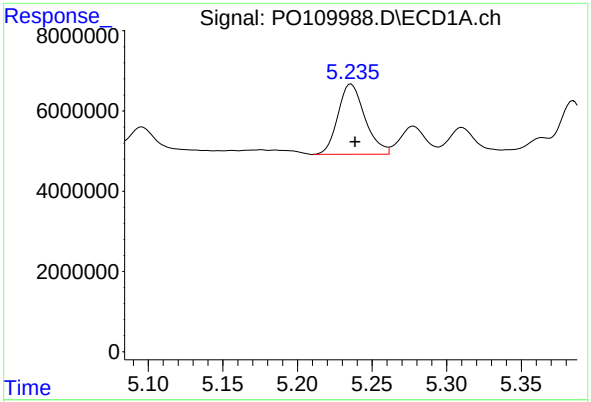

#22 AR-1248-2

R.T.: 5.021 min
Delta R.T.: -0.002 min
Response: 16385888
Conc: 54.43 ng/ml




#22 AR-1248-2

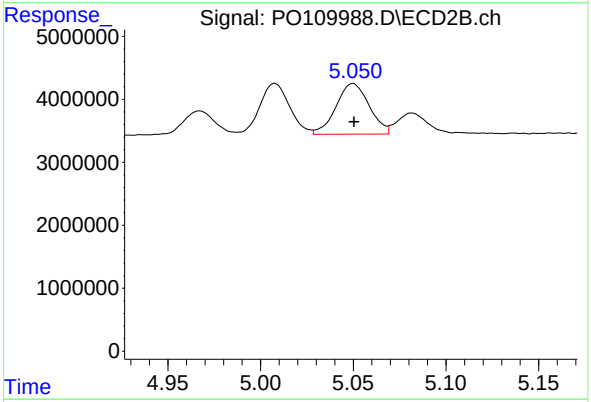
R.T.: 5.008 min
Delta R.T.: 0.000 min
Response: 9031427
Conc: 53.59 ng/ml




#23 AR-1248-3

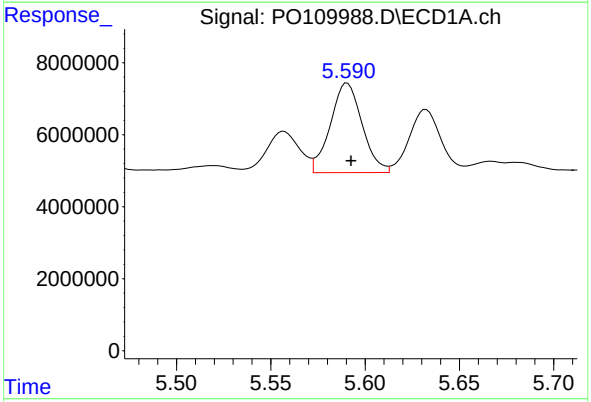
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 22145957
Conc: 59.15 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050



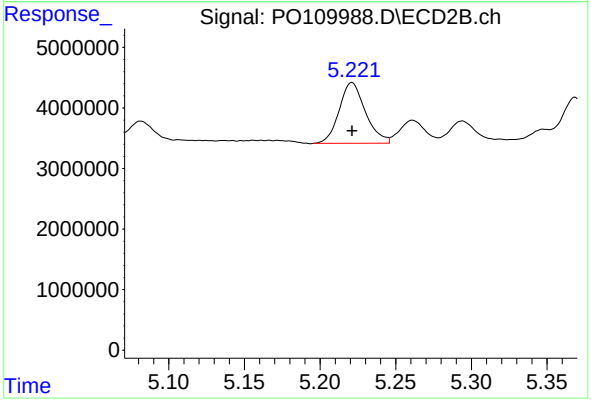

#23 AR-1248-3

R.T.: 5.050 min
Delta R.T.: 0.000 min
Response: 10026048
Conc: 55.98 ng/ml



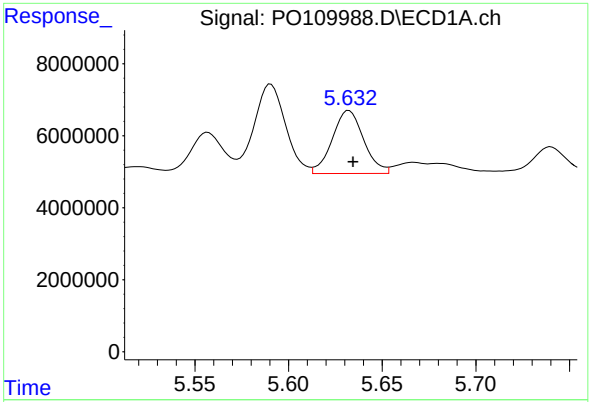

#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.002 min
Response: 29227773
Conc: 55.86 ng/ml




#24 AR-1248-4

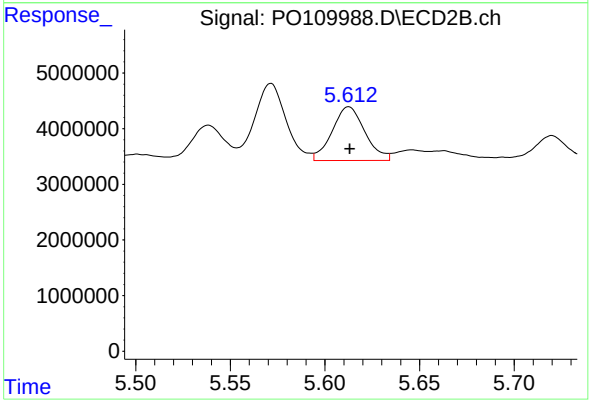
R.T.: 5.221 min
Delta R.T.: 0.000 min
Response: 12176632
Conc: 58.38 ng/ml




#25 AR-1248-5

R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 20545156
Conc: 55.57 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050




#25 AR-1248-5

R.T.: 5.613 min
Delta R.T.: 0.000 min
Response: 11669383
Conc: 57.30 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.692 | 3.689 | 43445665 | 25306006 | 4.628 | 4.733 |
| 2) | SA Decachlor... | 8.743 | 8.694 | 41266656 | 13227136 | 5.245 | 5.469 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 5.593 | 5.573 | 31329450 | 17649915 | 56.014 | 57.357 |
| 27) | L6 AR-1254-2 | 5.742 | 5.720 | 26381750 | 15388259 | 54.541 | 57.314 |
| 28) | L6 AR-1254-3 | 6.148 | 6.123 | 39484048 | 21241930 | 50.026 | 50.431 |
| 29) | L6 AR-1254-4 | 6.377 | 6.350 | 23571245 | 12628885 | 48.456 | 51.676 |
| 30) | L6 AR-1254-5 | 6.797 | 6.768 | 28479203 | 19977415 | 41.849 | 57.297 # |

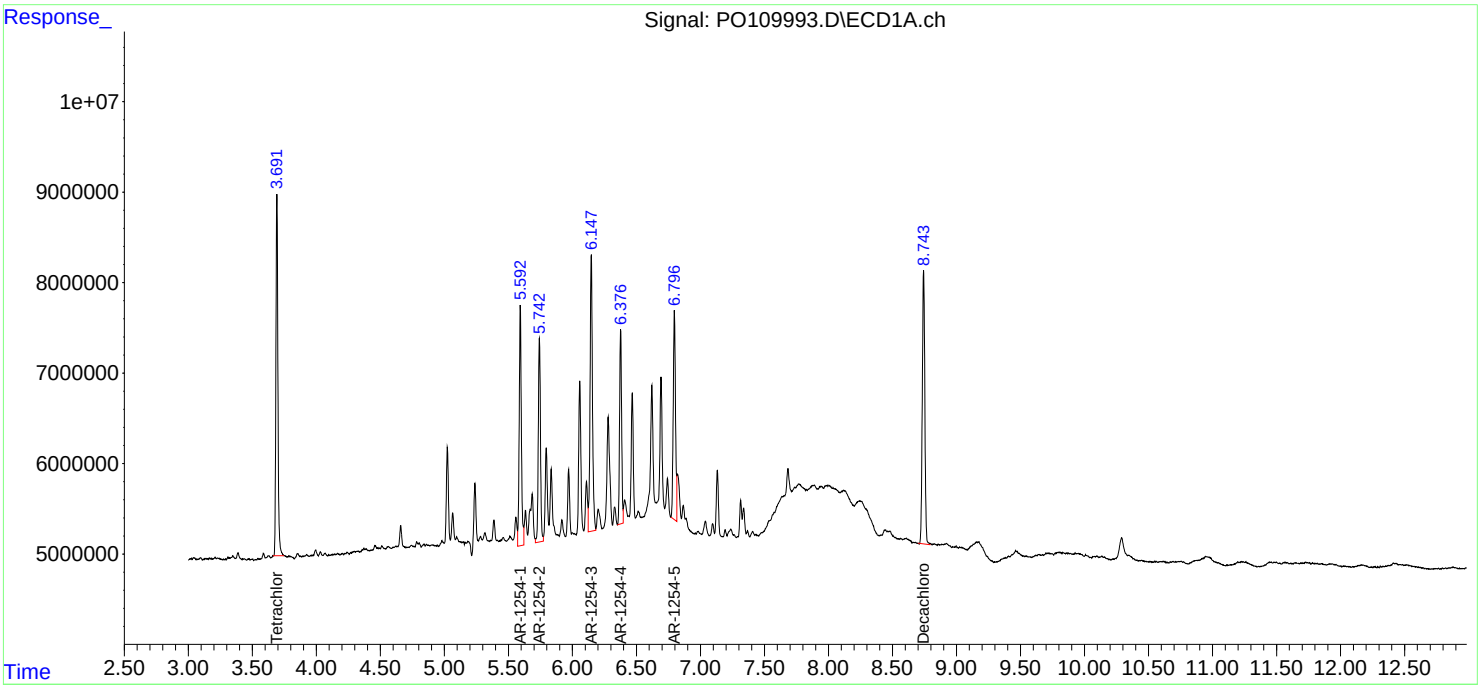
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

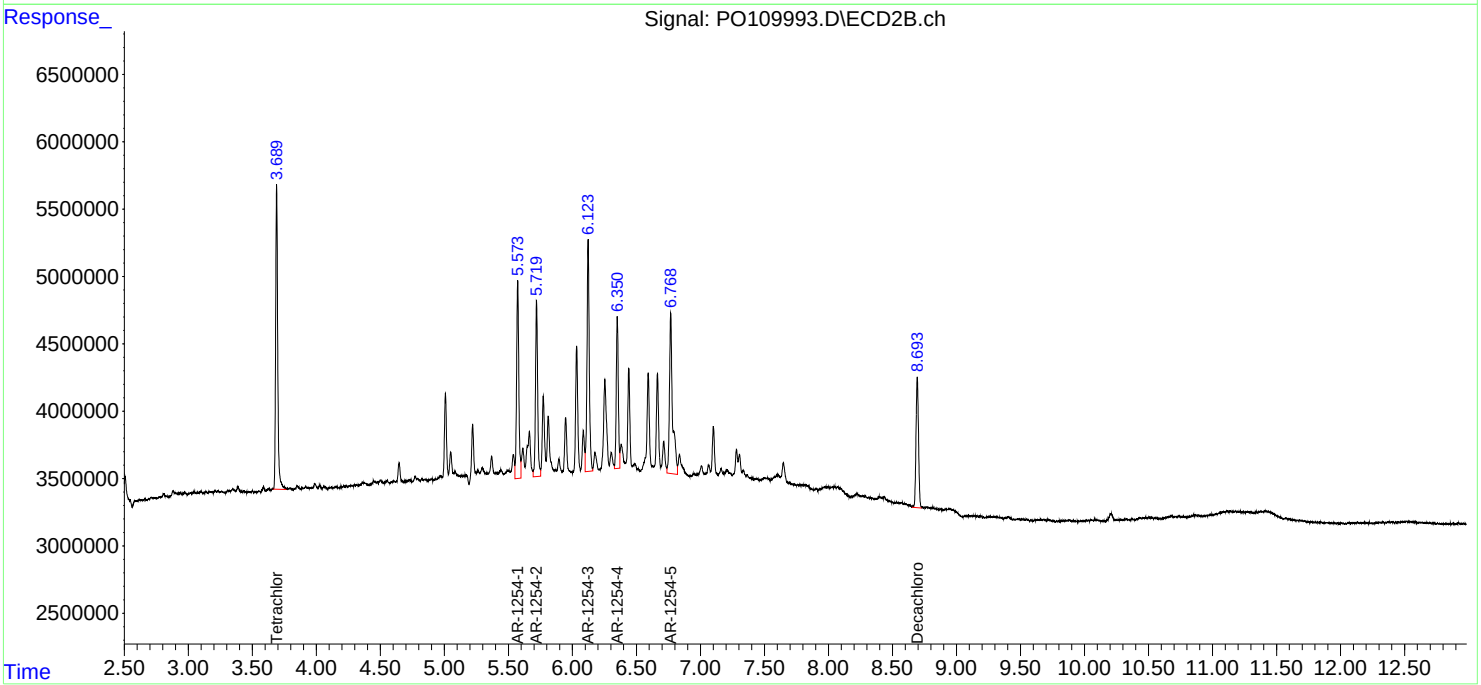
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109993.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 20:25
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

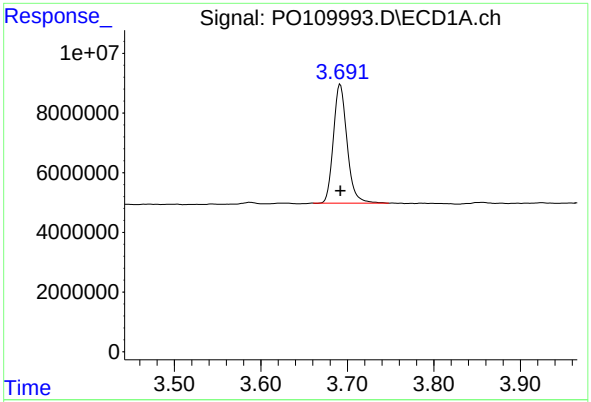
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 01:50:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 01:48:40 2025
Response via : Initial Calibration
Integrator: ChemStation

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



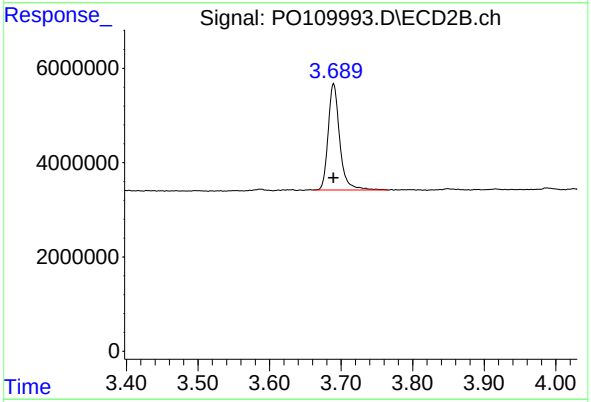






#1 Tetrachloro-m-xylene

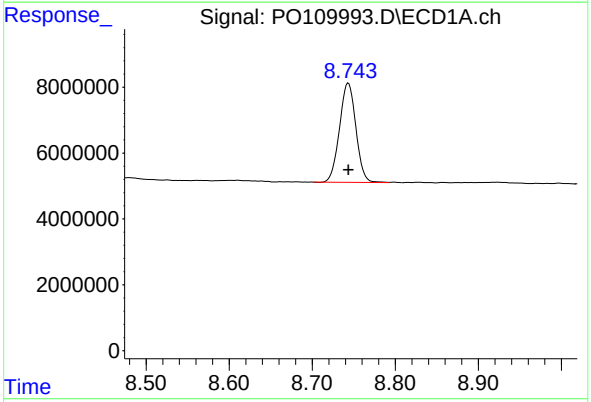
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 43445665
Conc: 4.63 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



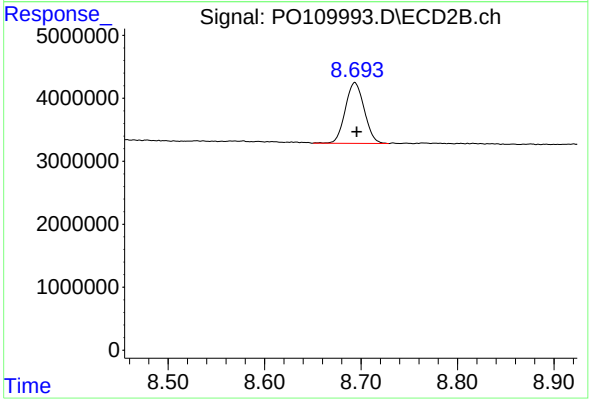

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 25306006
Conc: 4.73 ng/ml



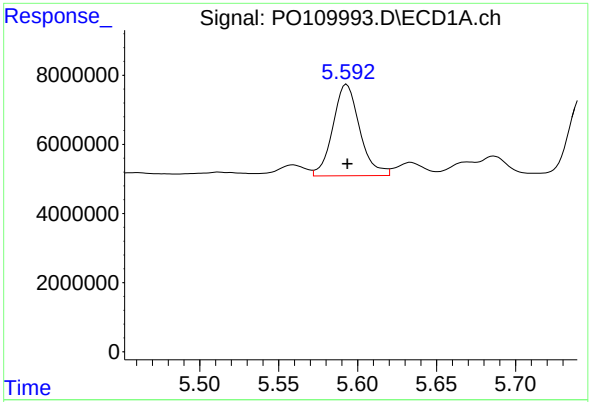

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 41266656
Conc: 5.25 ng/ml




#2 Decachlorobiphenyl

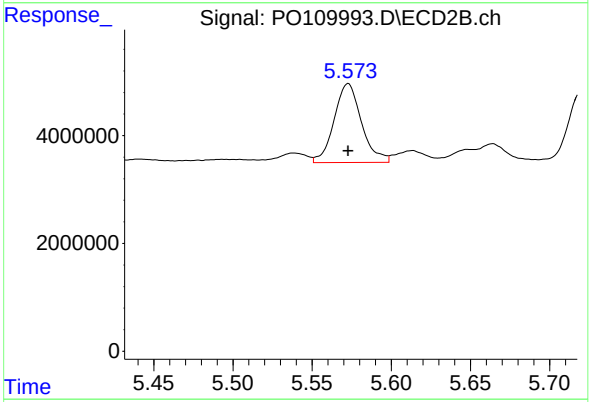
R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 13227136
Conc: 5.47 ng/ml




#26 AR-1254-1

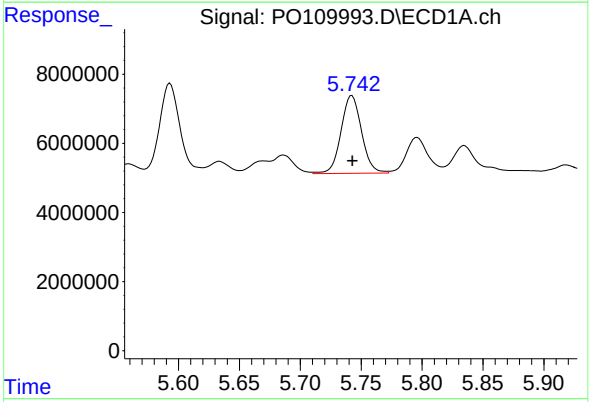
R.T.: 5.593 min
Delta R.T.: 0.000 min
Response: 31329450
Conc: 56.01 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



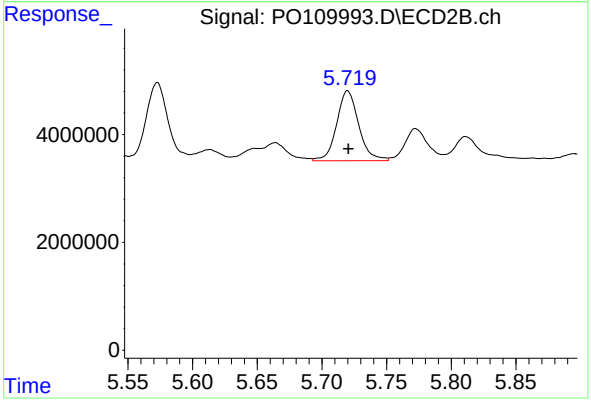

#26 AR-1254-1

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 17649915
Conc: 57.36 ng/ml



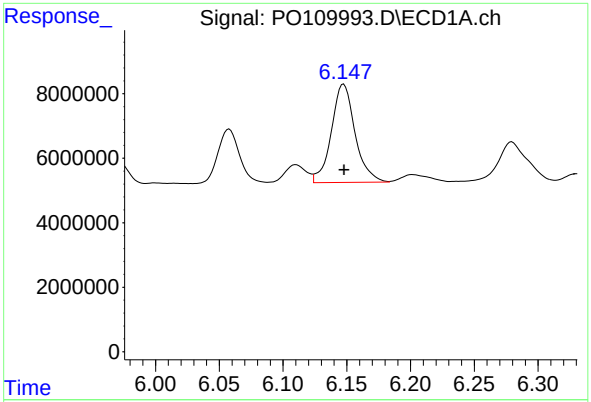

#27 AR-1254-2

R.T.: 5.742 min
Delta R.T.: 0.000 min
Response: 26381750
Conc: 54.54 ng/ml




#27 AR-1254-2

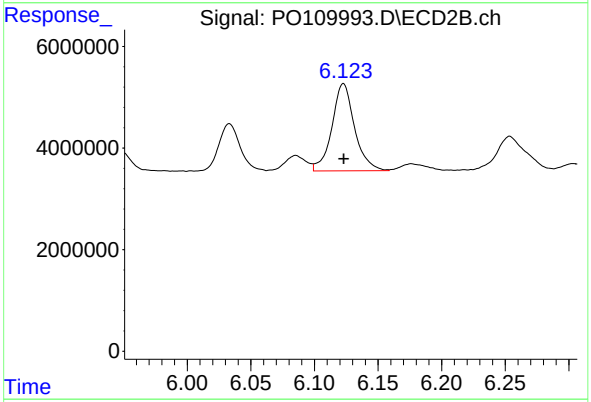
R.T.: 5.720 min
Delta R.T.: 0.000 min
Response: 15388259
Conc: 57.31 ng/ml




#28 AR-1254-3

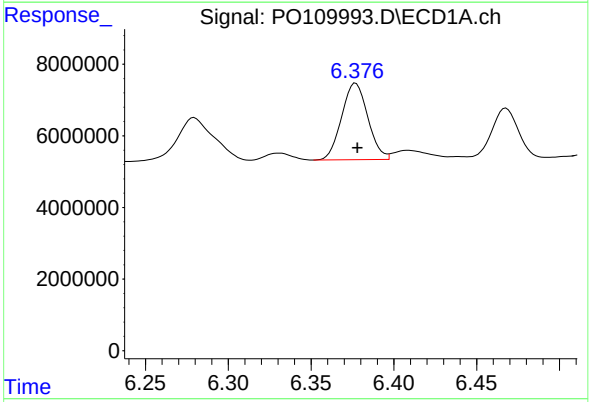
R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 39484048
Conc: 50.03 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



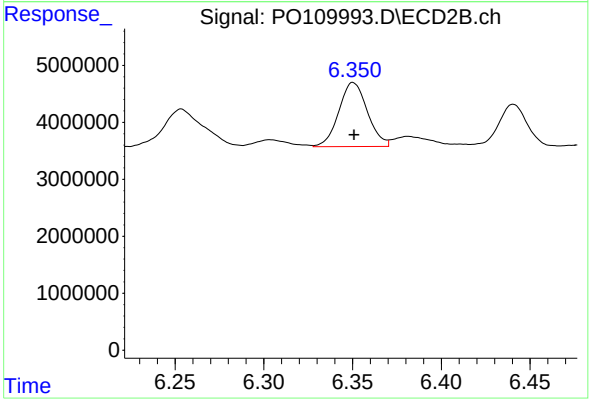

#28 AR-1254-3

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 21241930
Conc: 50.43 ng/ml



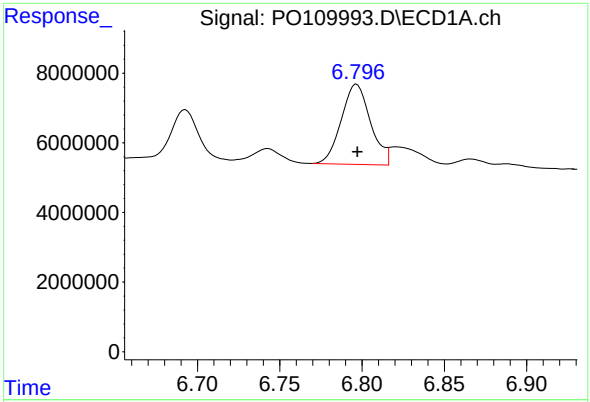

#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 23571245
Conc: 48.46 ng/ml




#29 AR-1254-4

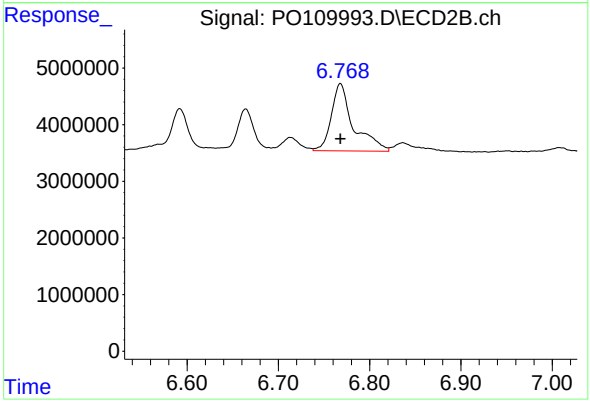
R.T.: 6.350 min
Delta R.T.: 0.000 min
Response: 12628885
Conc: 51.68 ng/ml




#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 28479203
Conc: 41.85 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050




#30 AR-1254-5

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 19977415
Conc: 57.30 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.689 | 463.9E6 | 264.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 8.743 | 8.694 | 706.0E6 | 207.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.623 | 7.589 | 699.8E6 | 289.1E6 | 498.680 | 500.000 |
| 42) | L9 AR-1268-2 | 7.688 | 7.653 | 639.8E6 | 266.3E6 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 7.896 | 7.861 | 519.3E6 | 206.5E6 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 8.185 | 8.145 | 223.7E6 | 81011977 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 8.482 | 8.439 | 1614.3E6 | 493.6E6 | 500.000 | 500.000 |

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

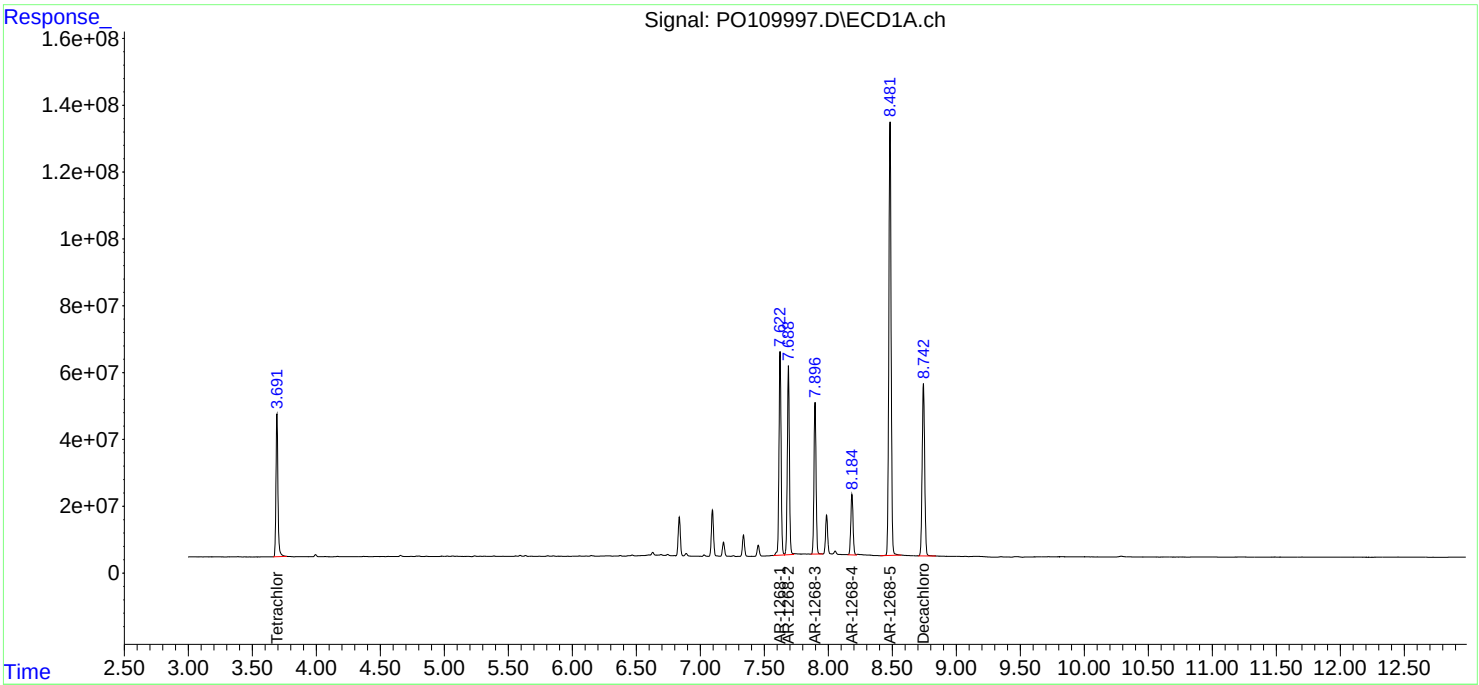
Quantitation Report (Not Reviewed)

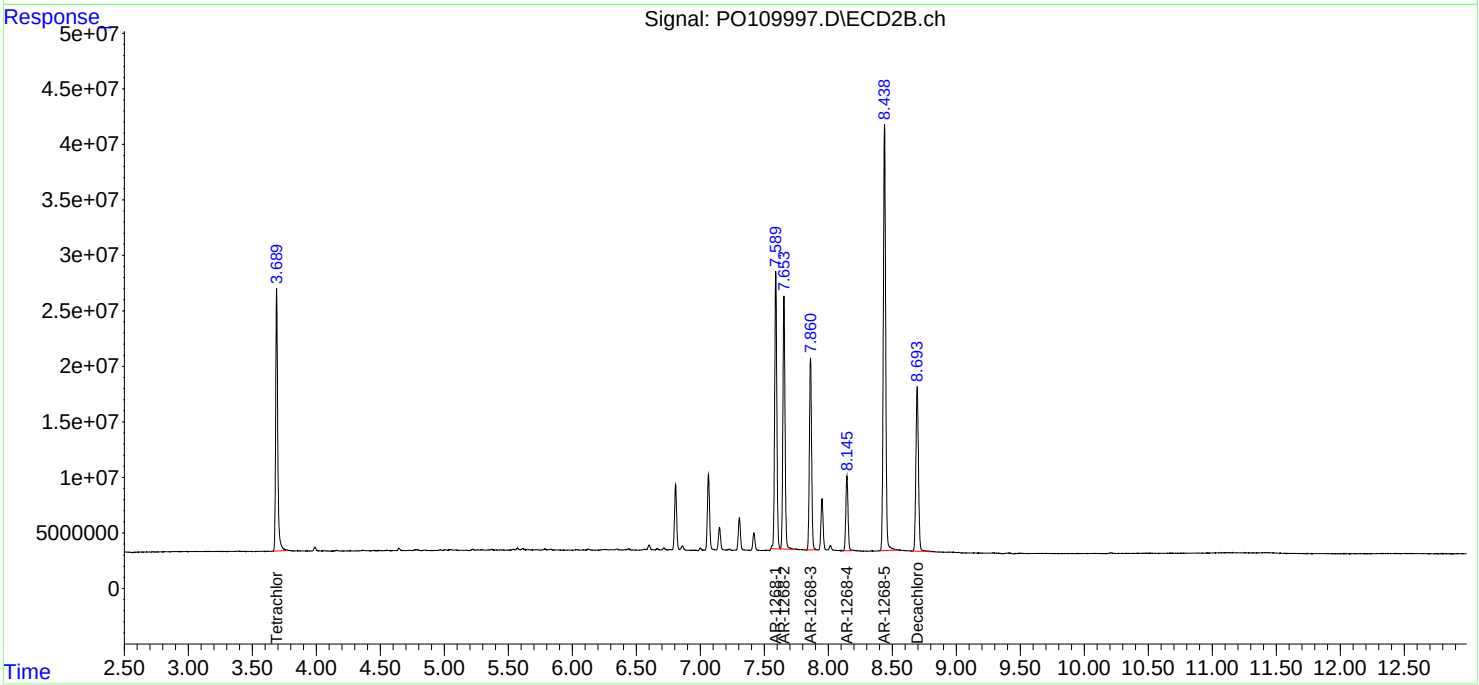
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109997.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:39
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

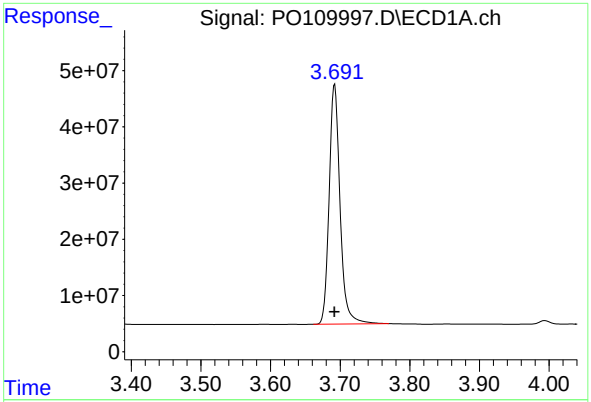
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



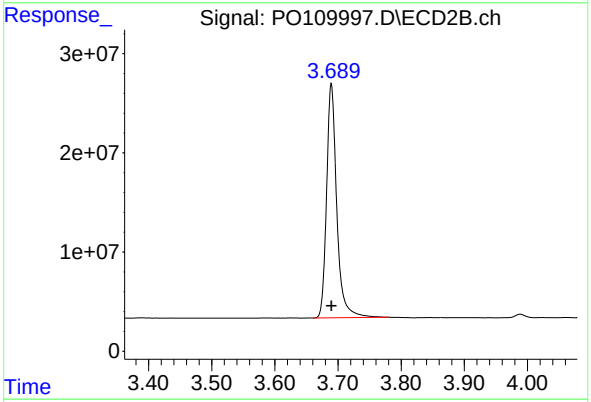






#1 Tetrachloro-m-xylene

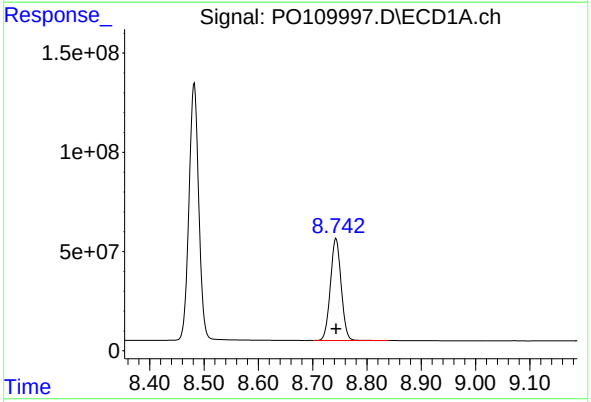
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 463875726
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



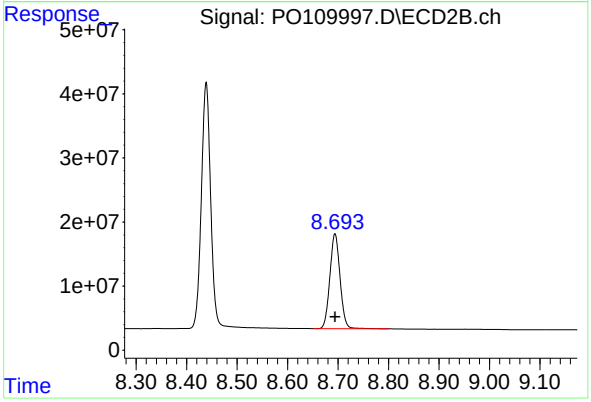

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 264095871
Conc: 50.00 ng/ml



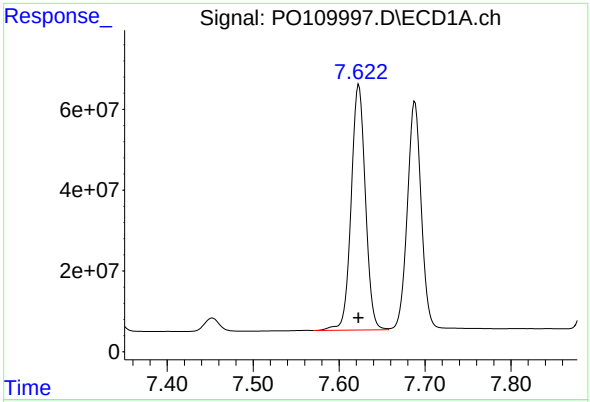

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 706011522
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

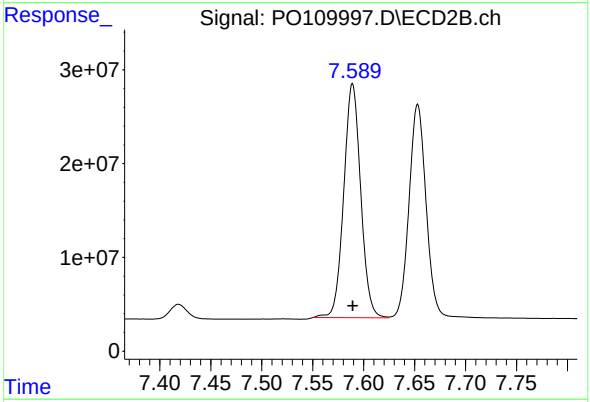
R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 207212938
Conc: 50.00 ng/ml




#41 AR-1268-1

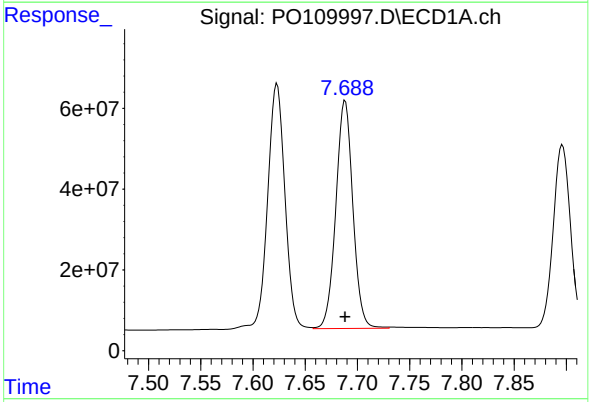
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 699811647
Conc: 498.68 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



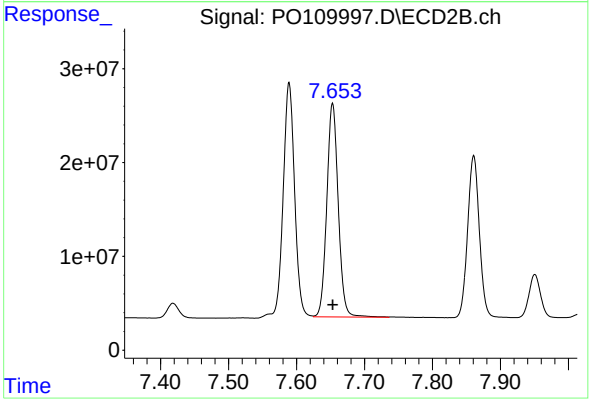

#41 AR-1268-1

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 289102857
Conc: 500.00 ng/ml



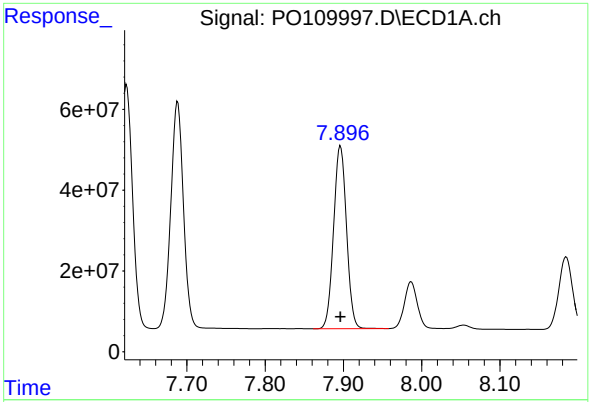

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 639816344
Conc: 500.00 ng/ml




#42 AR-1268-2

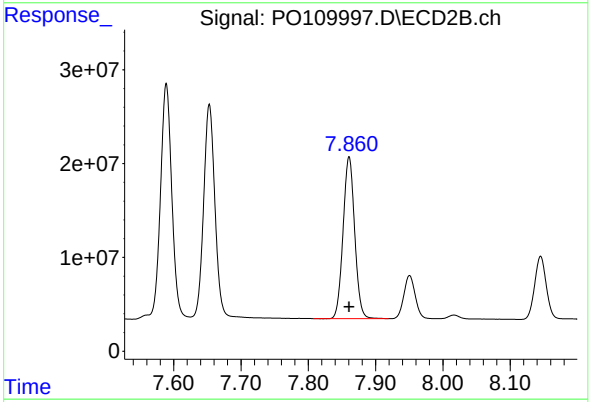
R.T.: 7.653 min
Delta R.T.: 0.000 min
Response: 266318012
Conc: 500.00 ng/ml




#43 AR-1268-3

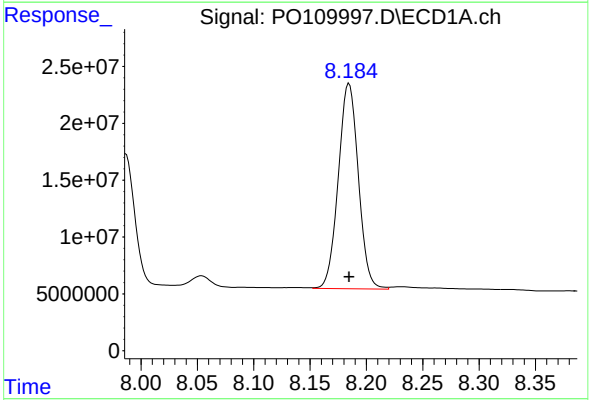
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 519324293
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



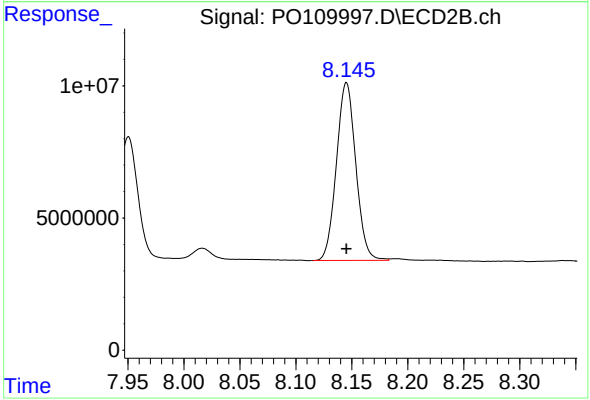

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 206458519
Conc: 500.00 ng/ml



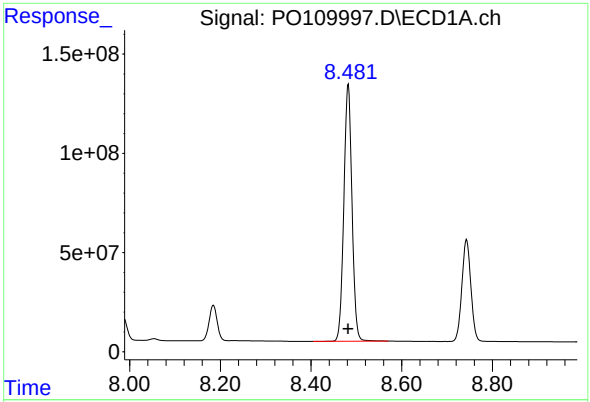

#44 AR-1268-4

R.T.: 8.185 min
Delta R.T.: 0.000 min
Response: 223719543
Conc: 500.00 ng/ml




#44 AR-1268-4

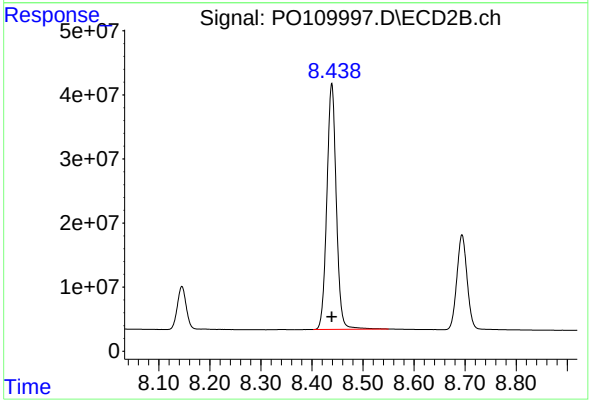
R.T.: 8.145 min
Delta R.T.: 0.000 min
Response: 81011977
Conc: 500.00 ng/ml




#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 1614304087
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500




#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 493570508
Conc: 500.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.692 | 3.690 | 233.0E6 | 133.0E6 | 25.112 | 25.182 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 364.2E6 | 110.3E6 | 25.791 | 26.624 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.623 | 7.590 | 361.1E6 | 149.6E6 | 257.304 | 258.814 |
| 42) | L9 AR-1268-2 | 7.688 | 7.654 | 330.4E6 | 137.2E6 | 258.196 | 257.558 |
| 43) | L9 AR-1268-3 | 7.897 | 7.861 | 264.1E6 | 107.0E6 | 254.288 | 259.017 |
| 44) | L9 AR-1268-4 | 8.184 | 8.146 | 118.3E6 | 42174671 | 264.470 | 260.299 |
| 45) | L9 AR-1268-5 | 8.482 | 8.439 | 811.9E6 | 254.0E6 | 251.483 | 257.325 |

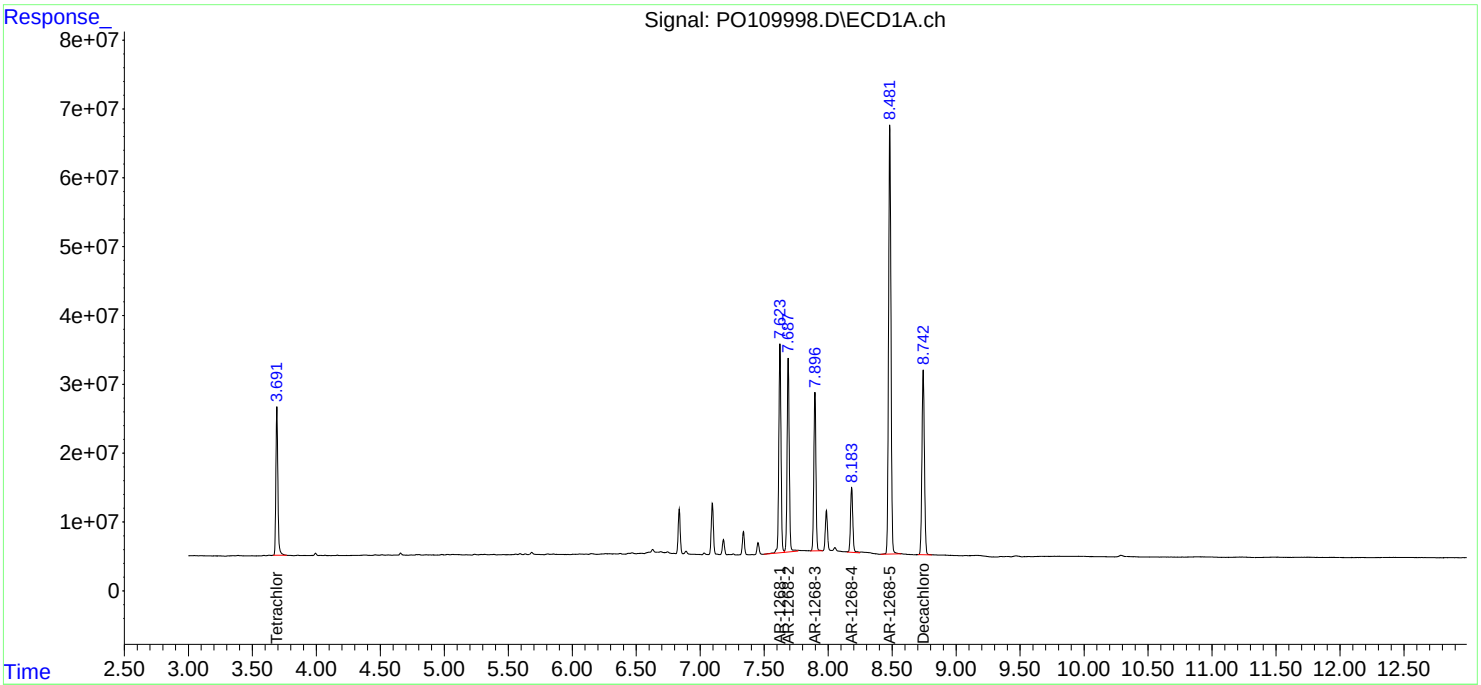
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

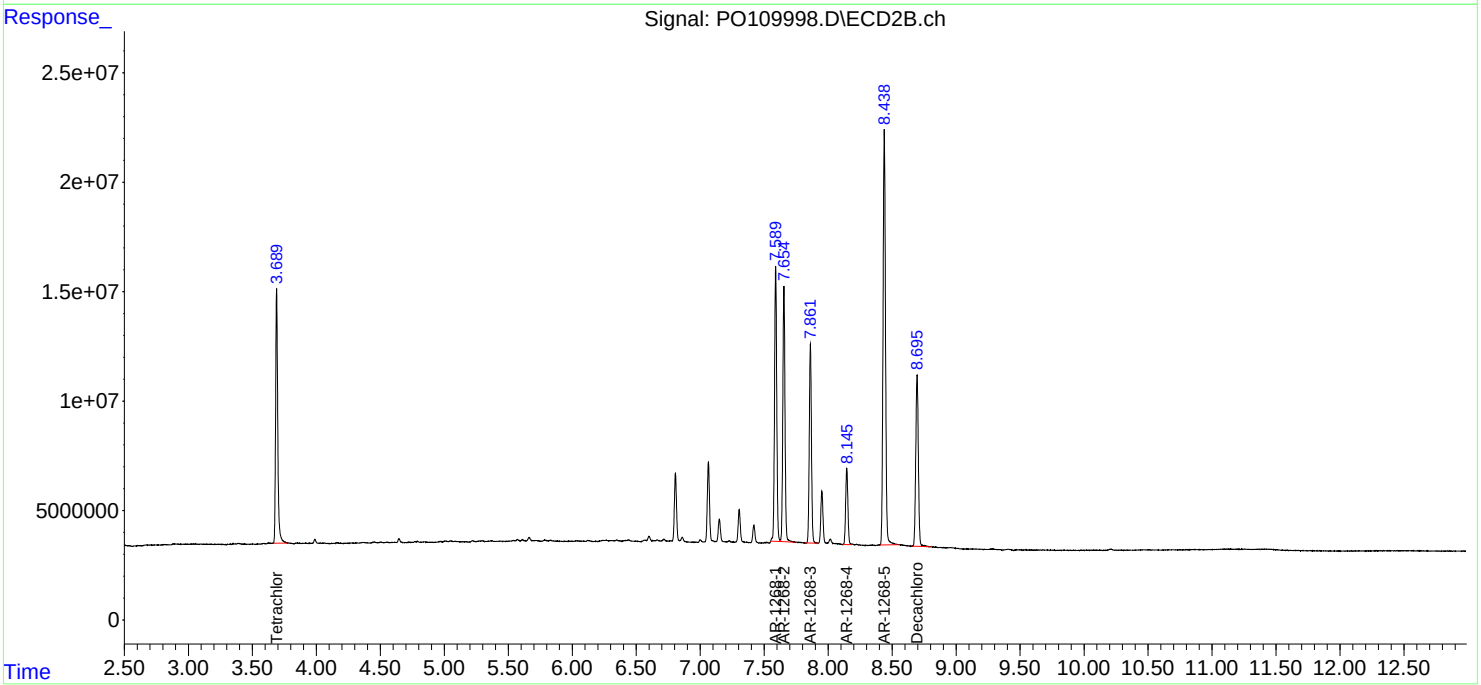
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109998.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 21:57
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

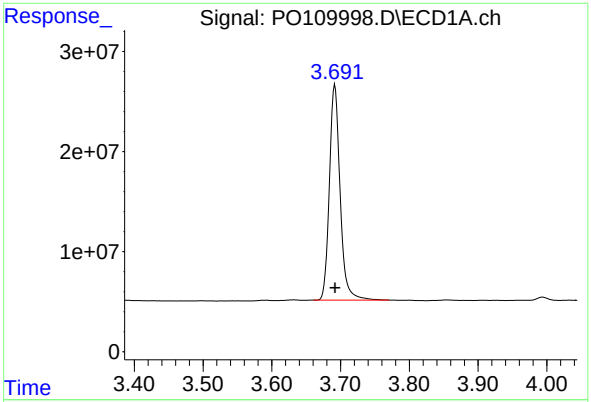
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:06:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



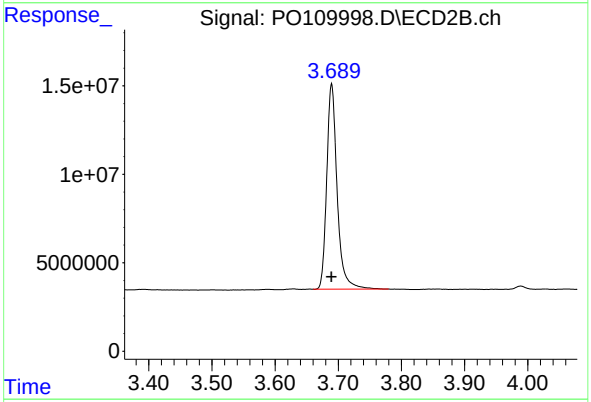






#1 Tetrachloro-m-xylene

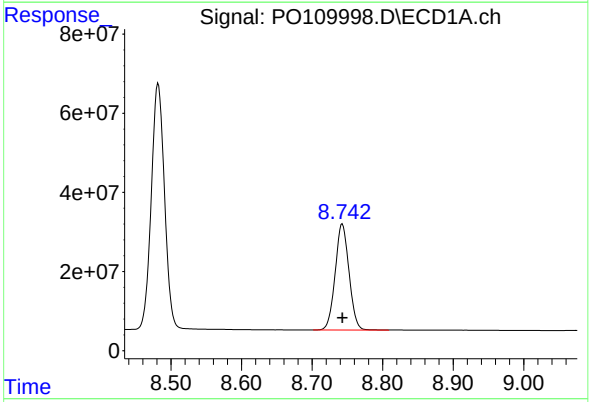
R.T.: 3.692 min
Delta R.T.: 0.000 min
Response: 232978846
Conc: 25.11 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



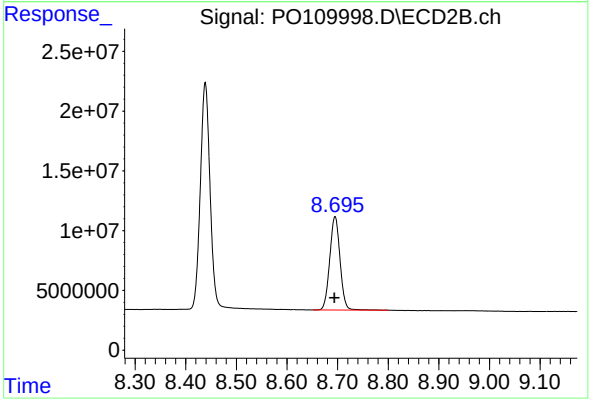

#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: 0.000 min
Response: 133010597
Conc: 25.18 ng/ml



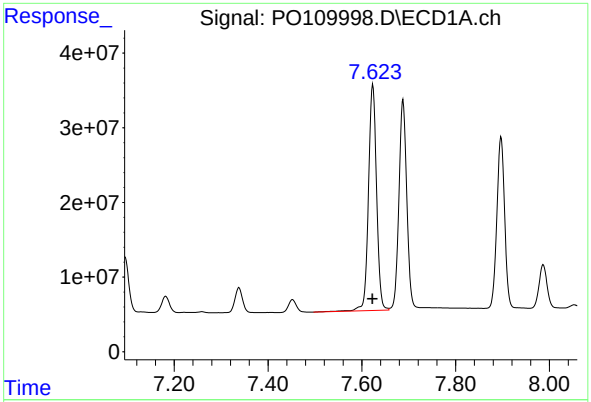

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 364169510
Conc: 25.79 ng/ml




#2 Decachlorobiphenyl

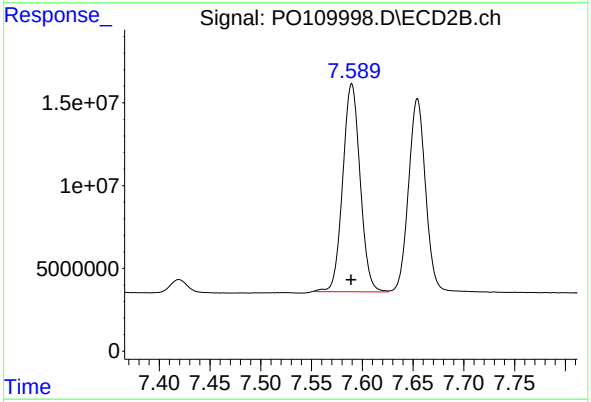
R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 110337267
Conc: 26.62 ng/ml




#41 AR-1268-1

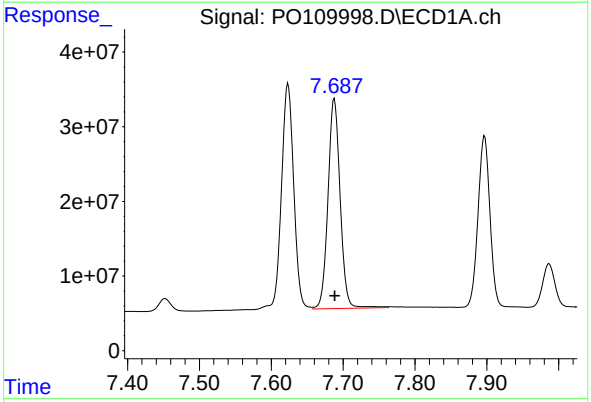
R.T.: 7.623 min
Delta R.T.: 0.001 min
Response: 361082289
Conc: 257.30 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



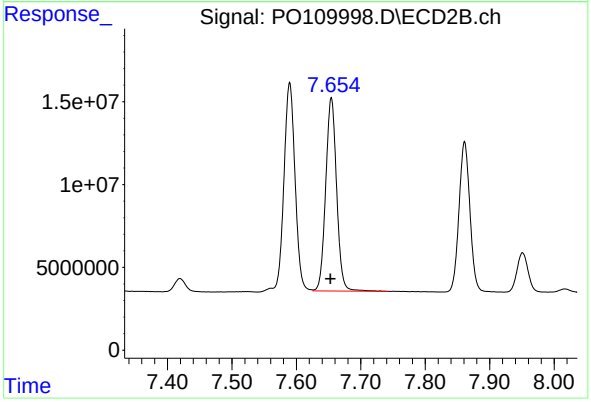

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 149647905
Conc: 258.81 ng/ml



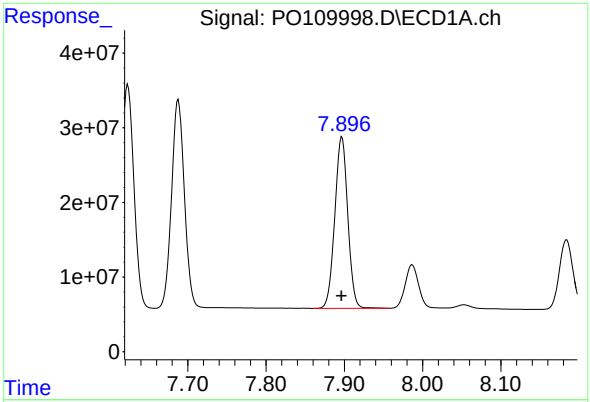

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 330395950
Conc: 258.20 ng/ml




#42 AR-1268-2

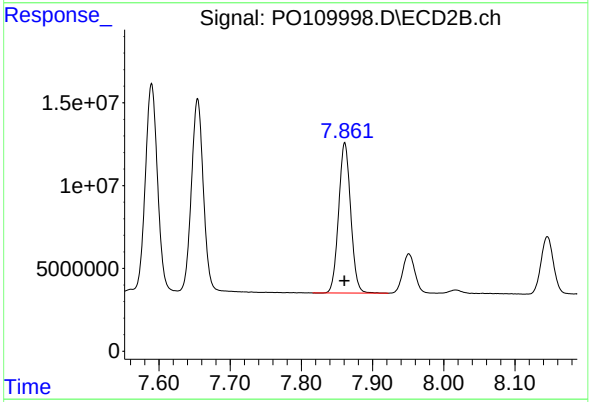
R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 137184821
Conc: 257.56 ng/ml




#43 AR-1268-3

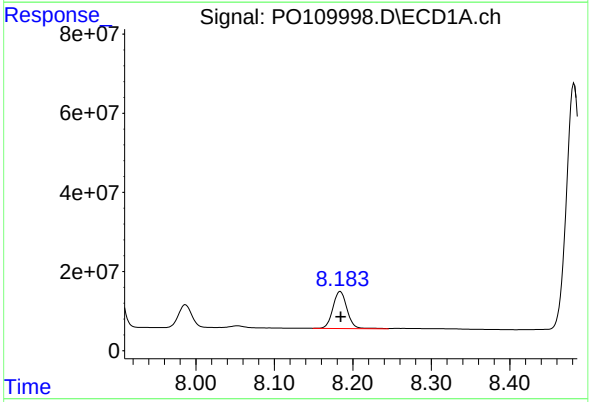
R.T.: 7.897 min
Delta R.T.: 0.000 min
Response: 264115362
Conc: 254.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



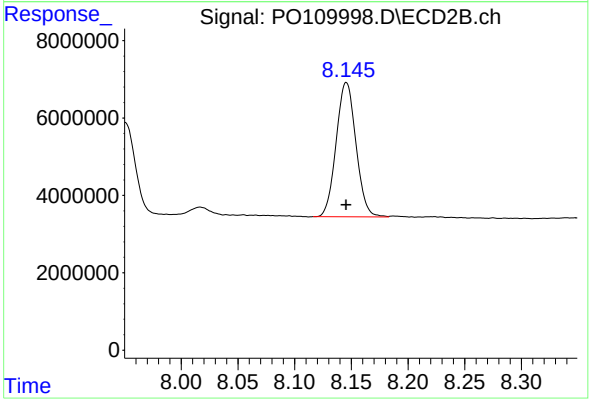

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 106952452
Conc: 259.02 ng/ml



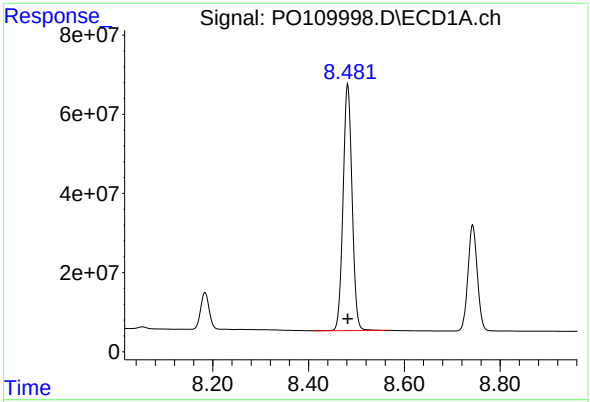

#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 118334390
Conc: 264.47 ng/ml




#44 AR-1268-4

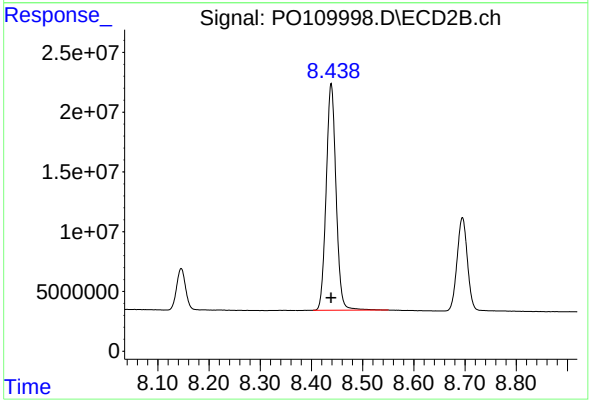
R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 42174671
Conc: 260.30 ng/ml




#45 AR-1268-5

R.T.: 8.482 min
Delta R.T.: 0.000 min
Response: 811940473
Conc: 251.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250




#45 AR-1268-5

R.T.: 8.439 min
Delta R.T.: 0.000 min
Response: 254015607
Conc: 257.32 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 3.691 | 3.689 | 36859656 | 18867712 | 3.973 | 3.572 |
| 2) | SA Decachlor... | 8.743 | 8.695 | 72973489 | 22764198 | 5.168 | 5.493 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 7.623 | 7.590 | 72851126 | 31006348 | 51.913 | 53.625 |
| 42) | L9 AR-1268-2 | 7.688 | 7.654 | 63525178 | 28112917 | 49.643 | 52.781 |
| 43) | L9 AR-1268-3 | 7.896 | 7.861 | 50172519 | 22018734 | 48.306 | 53.325 |
| 44) | L9 AR-1268-4 | 8.184 | 8.146 | 23615947 | 8301200 | 52.780 | 51.234 |
| 45) | L9 AR-1268-5 | 8.481 | 8.438 | 151.8E6 | 51592382 | 47.022 | 52.264 |

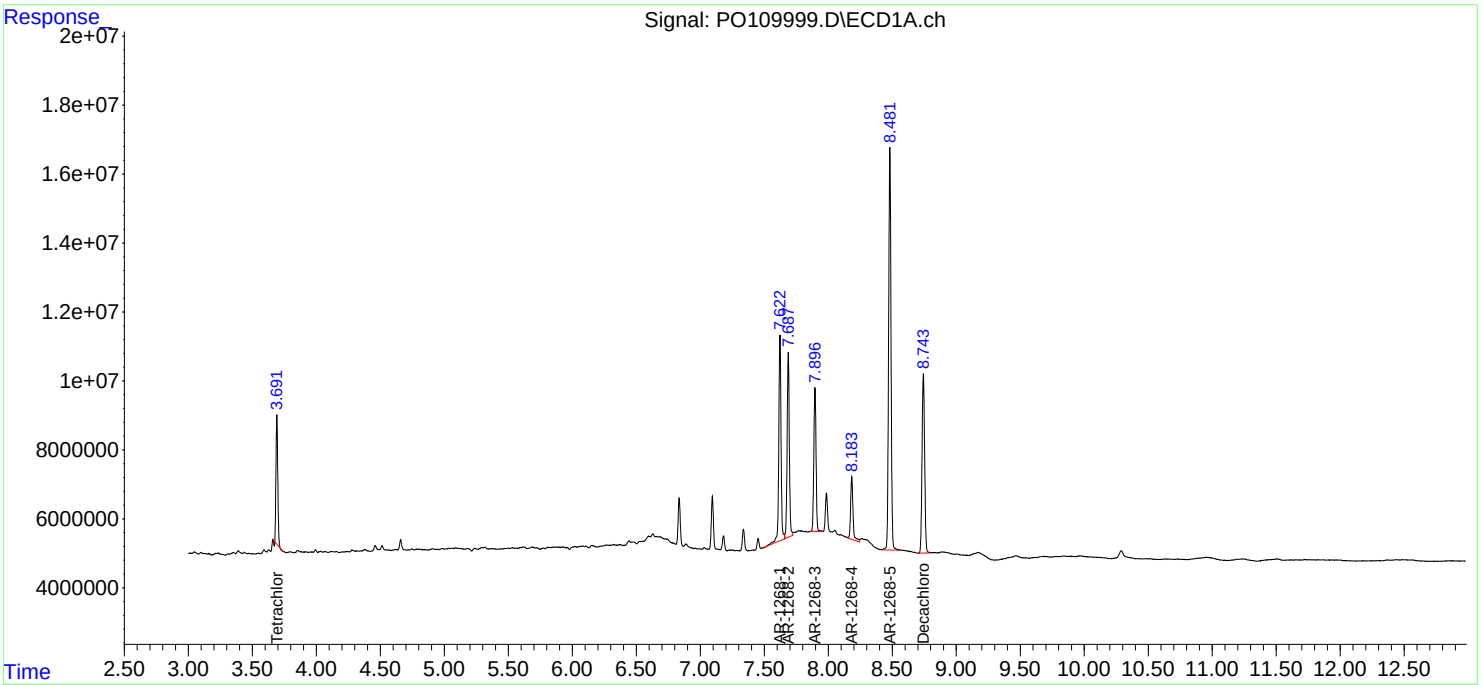
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

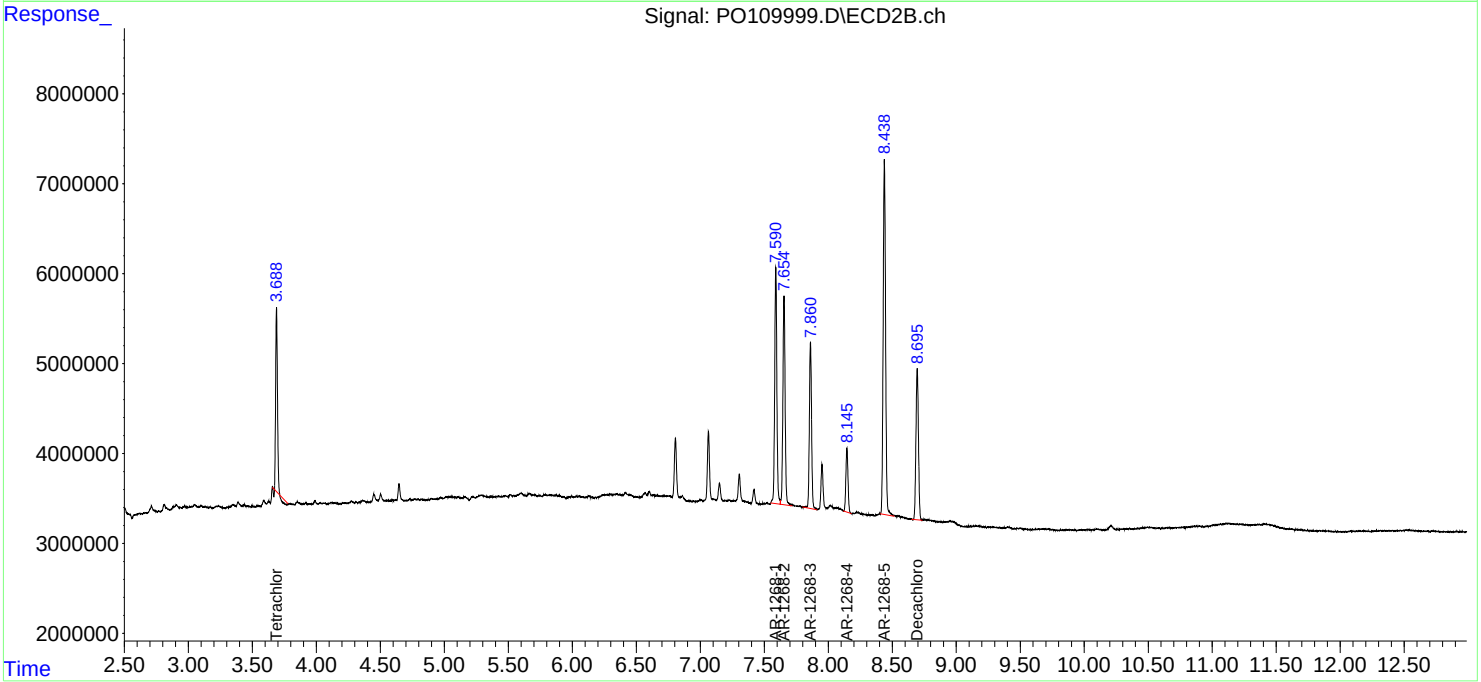
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031925\
Data File : PO109999.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Mar 2025 22:15
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

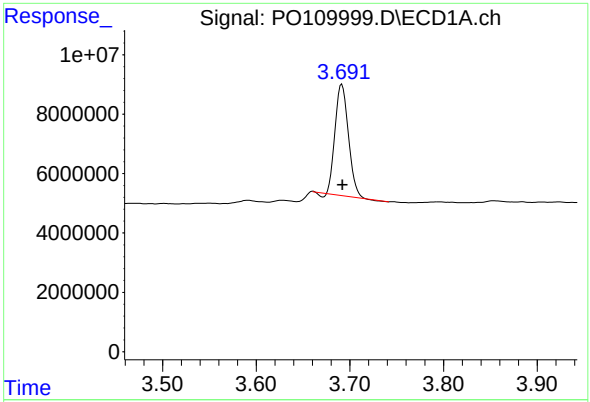
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 19 02:07:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:04:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



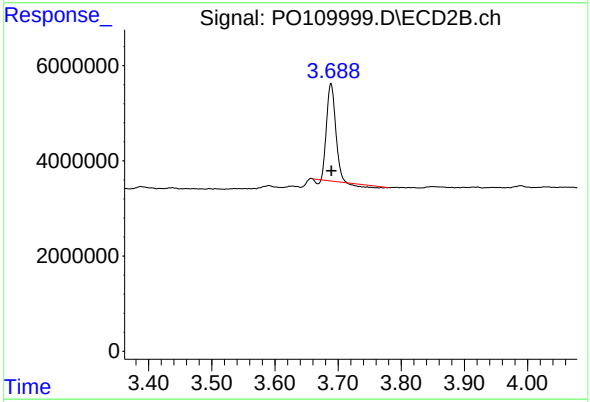






#1 Tetrachloro-m-xylene

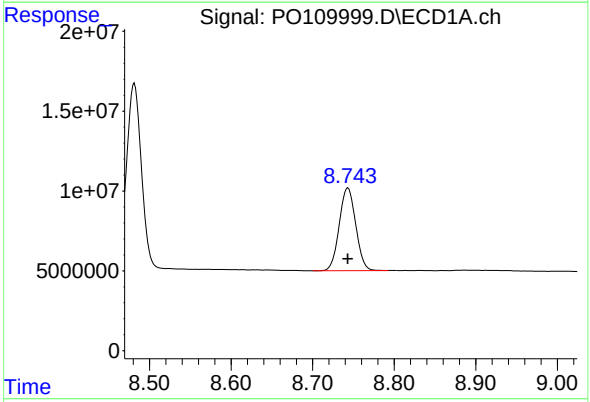
R.T.: 3.691 min
Delta R.T.: 0.000 min
Response: 36859656
Conc: 3.97 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050



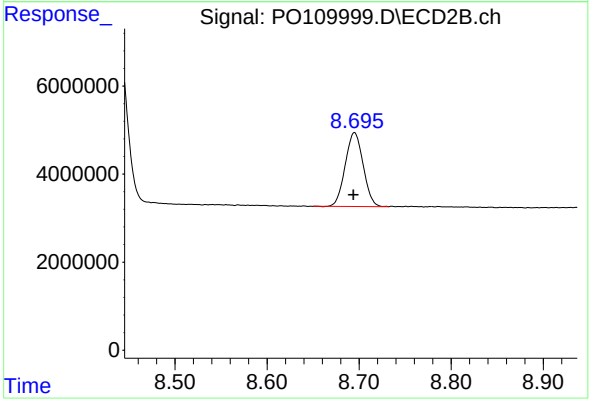

#1 Tetrachloro-m-xylene

R.T.: 3.689 min
Delta R.T.: 0.000 min
Response: 18867712
Conc: 3.57 ng/ml



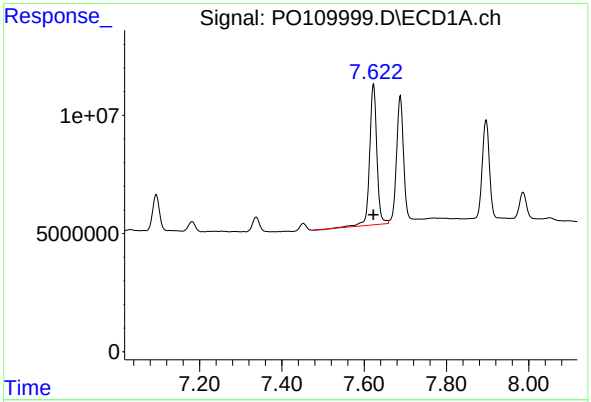

#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: 0.000 min
Response: 72973489
Conc: 5.17 ng/ml




#2 Decachlorobiphenyl

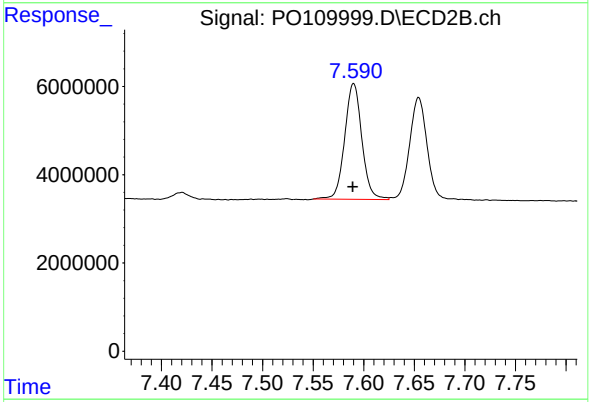
R.T.: 8.695 min
Delta R.T.: 0.001 min
Response: 22764198
Conc: 5.49 ng/ml




#41 AR-1268-1

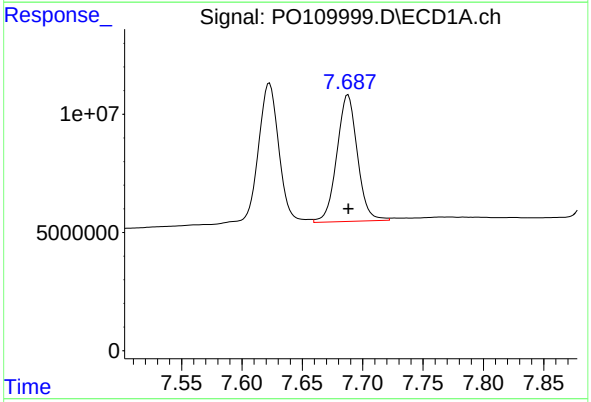
R.T.: 7.623 min
Delta R.T.: 0.000 min
Response: 72851126
Conc: 51.91 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050



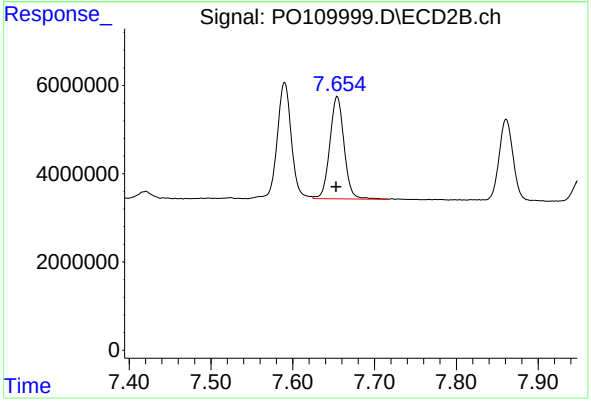

#41 AR-1268-1

R.T.: 7.590 min
Delta R.T.: 0.000 min
Response: 31006348
Conc: 53.63 ng/ml



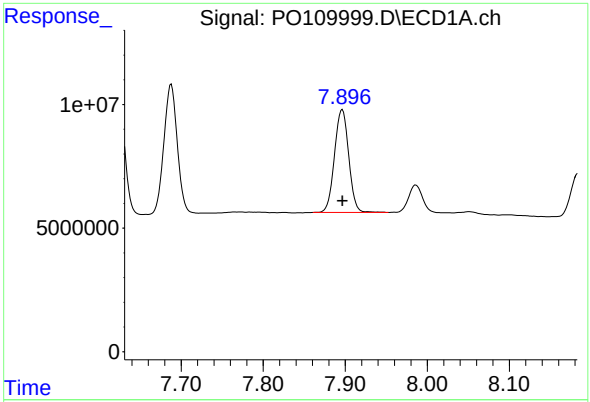

#42 AR-1268-2

R.T.: 7.688 min
Delta R.T.: 0.000 min
Response: 63525178
Conc: 49.64 ng/ml




#42 AR-1268-2

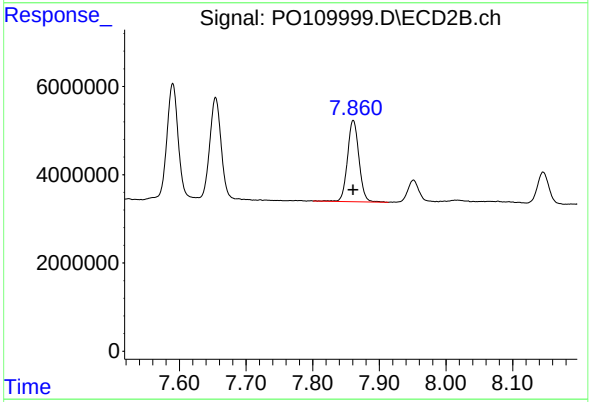
R.T.: 7.654 min
Delta R.T.: 0.001 min
Response: 28112917
Conc: 52.78 ng/ml




#43 AR-1268-3

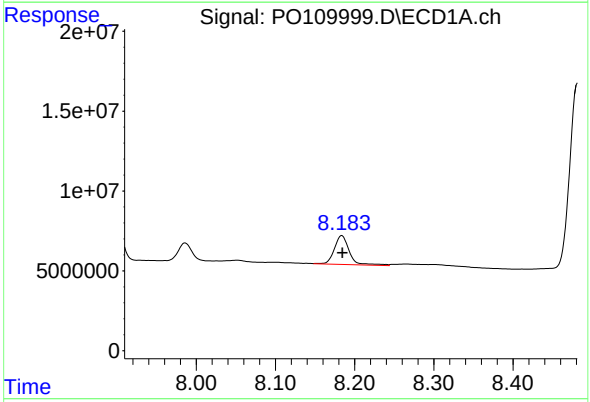
R.T.: 7.896 min
Delta R.T.: 0.000 min
Response: 50172519
Conc: 48.31 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050



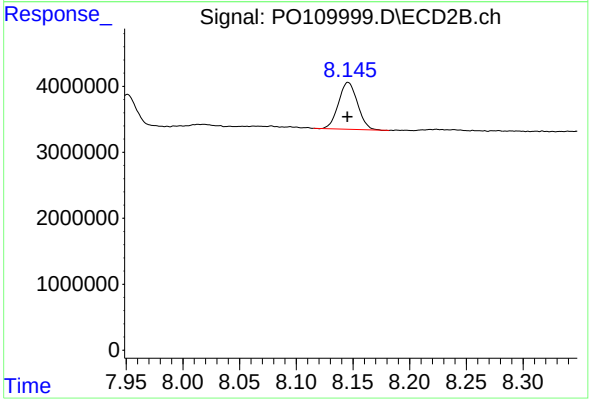

#43 AR-1268-3

R.T.: 7.861 min
Delta R.T.: 0.000 min
Response: 22018734
Conc: 53.32 ng/ml



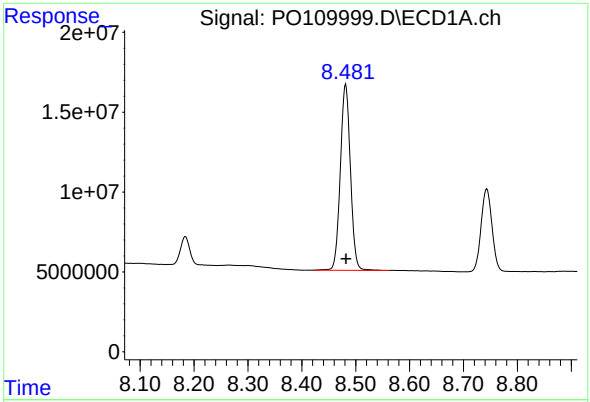

#44 AR-1268-4

R.T.: 8.184 min
Delta R.T.: 0.000 min
Response: 23615947
Conc: 52.78 ng/ml




#44 AR-1268-4

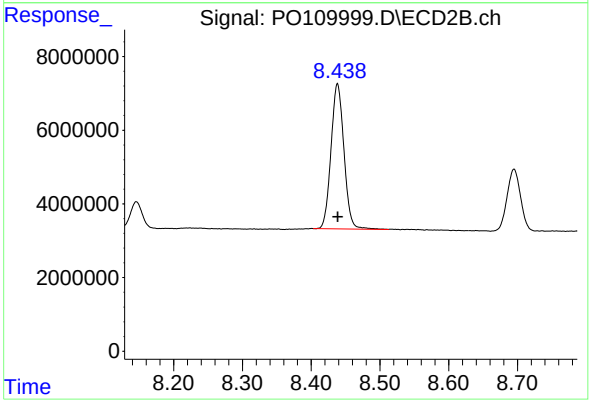
R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 8301200
Conc: 51.23 ng/ml




#45 AR-1268-5

R.T.: 8.481 min
Delta R.T.: 0.000 min
Response: 151815895
Conc: 47.02 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050




#45 AR-1268-5

R.T.: 8.438 min
Delta R.T.: 0.000 min
Response: 51592382
Conc: 52.26 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 3.691 | 3.688 | 486.8E6 | 278.7E6 | 53.484 | 53.152 | |
| 2) | SA | Decachlor... | 8.740 | 8.691 | 420.5E6 | 118.3E6 | 54.690 | 48.766 | |
| | Target Compounds | | | | | | | | |
| 3) | L1 | AR-1016-1 | 4.783 | 4.769 | 177.8E6 | 93902896 | 528.316 | 512.417 | |
| 4) | L1 | AR-1016-2 | 4.802 | 4.788 | 244.1E6 | 134.4E6 | 526.454 | 514.067 | |
| 5) | L1 | AR-1016-3 | 4.858 | 4.964 | 169.7E6 | 73038464 | 529.369 | 515.158 | |
| 6) | L1 | AR-1016-4 | 4.979 | 5.006 | 131.1E6 | 55338718 | 518.987 | 469.252 | |
| 7) | L1 | AR-1016-5 | 5.236 | 5.219 | 150.5E6 | 83969338 | 547.465 | 549.111 | |
| 8) | L2 | AR-1221-1 | 3.903 | 3.897 | 19462416 | 11025922 | 168.028 | 164.856 | |
| 9) | L2 | AR-1221-2 | 3.990 | 3.984 | 28148560 | 15829281 | 325.418 | 320.550 | |
| 10) | L2 | AR-1221-3 | 4.066 | 4.059 | 98013268 | 55109401 | 374.531 | 363.317 | |
| 11) | L3 | AR-1232-1 | 4.066 | 4.059 | 98013268 | 55109401 | 454.302 | 444.096 | |
| 12) | L3 | AR-1232-2 | 4.560 | 4.788 | 132.9E6 | 134.4E6 | 1157.840 | 1117.012 | |
| 13) | L3 | AR-1232-3 | 4.802 | 4.964 | 244.1E6 | 73038464 | 1152.657 | 1147.393 | |
| 14) | L3 | AR-1232-4 | 4.979 | 5.048 | 131.1E6 | 73350252 | 1154.819 | 1236.083 | |
| 15) | L3 | AR-1232-5 | 5.021 | 5.219 | 95769846 | 83969338 | 1190.368 | 1328.253 | |
| 16) | L4 | AR-1242-1 | 4.783 | 4.769 | 177.8E6 | 93902896 | 664.910 | 642.223 | |
| 17) | L4 | AR-1242-2 | 4.802 | 4.788 | 244.1E6 | 134.4E6 | 662.975 | 646.191 | |
| 18) | L4 | AR-1242-3 | 4.858 | 4.964 | 169.7E6 | 73038464 | 657.909 | 654.391 | |
| 19) | L4 | AR-1242-4 | 4.979 | 5.048 | 131.1E6 | 73350252 | 655.404 | 632.458 | |
| 20) | L4 | AR-1242-5 | 5.632 | 5.570 | 47210124 | 77845170 | 223.685 | 567.211 | # |
| 21) | L5 | AR-1248-1 | 4.783 | 4.769 | 177.8E6 | 93902896 | 806.421 | 772.628 | |
| 22) | L5 | AR-1248-2 | 5.021 | 5.006 | 95769846 | 55338718 | 317.974 | 328.500 | |
| 23) | L5 | AR-1248-3 | 5.236 | 5.048 | 150.5E6 | 73350252 | 403.228 | 404.826 | |
| 24) | L5 | AR-1248-4 | 5.591 | 5.219 | 148.5E6 | 83969338 | 281.330 | 398.985 | # |
| 25) | L5 | AR-1248-5 | 5.632 | 5.611 | 47210124 | 22863074 | 126.586 | 109.986 | |
| 26) | L6 | AR-1254-1 | 5.591 | 5.570 | 148.5E6 | 77845170 | 262.801 | 248.949 | |
| 27) | L6 | AR-1254-2 | 5.740 | 5.717 | 117.1E6 | 57497390 | 243.333 | 211.748 | |
| 28) | L6 | AR-1254-3 | 6.161 | 6.136 | 199.8E6 | 94798356 | 258.500 | 228.191 | |
| 29) | L6 | AR-1254-4 | 6.375 | 6.348 | 32159525 | 13331170 | 66.979 | 54.958 | |
| 30) | L6 | AR-1254-5 | 6.794 | 6.765 | 299.0E6 | 152.0E6 | 459.925 | 452.452 | |
| 31) | L7 | AR-1260-1 | 6.277 | 6.251 | 259.3E6 | 123.5E6 | 550.162 | 483.373 | |
| 32) | L7 | AR-1260-2 | 6.466 | 6.439 | 302.8E6 | 143.3E6 | 508.402 | 477.179 | |
| 33) | L7 | AR-1260-3 | 6.834 | 6.591 | 233.8E6 | 133.6E6 | 481.744 | 462.164 | |
| 34) | L7 | AR-1260-4 | 7.094 | 7.063 | 200.0E6 | 99360275 | 471.486 | 461.972 | |
| 35) | L7 | AR-1260-5 | 7.336 | 7.303 | 484.1E6 | 221.7E6 | 462.918 | 444.506 | |
| 36) | L8 | AR-1262-1 | 6.834 | 6.804 | 233.8E6 | 118.1E6 | 339.753 | 342.880 | |
| 37) | L8 | AR-1262-2 | 7.336 | 7.303 | 484.1E6 | 221.7E6 | 406.167 | 412.630 | |
| 38) | L8 | AR-1262-3 | 7.621 | 7.587 | 112.7E6 | 45025623 | 239.417 | 232.030 | |
| 39) | L8 | AR-1262-4 | 7.684 | 7.649 | 350.3E6 | 141.7E6 | 400.497 | 391.534 | |
| 40) | L8 | AR-1262-5 | 8.182 | 8.143 | 121.0E6 | 43223300 | 306.815 | 306.197 | |
| 41) | L9 | AR-1268-1 | 7.621 | 7.587 | 112.7E6 | 45025623 | 80.476 | 76.923 | |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 |
|---|---|---|---|---|---|---|---|
| 42) L9 | AR-1268-2 | 7.684 | 7.649 | 350.3E6 | 141.7E6 | 273.612 | 263.471 |
| 43) L9 | AR-1268-3 | 7.893 | 7.857 | 6384140 | 2701969 | 6.213 | 6.500 |
| 44) L9 | AR-1268-4 | 8.182 | 8.143 | 121.0E6 | 43223300 | 273.806 | 268.395 |
| 45) L9 | AR-1268-5 | 8.480 | 8.436 | 34068238 | 11602754 | 10.709 | 11.684 |

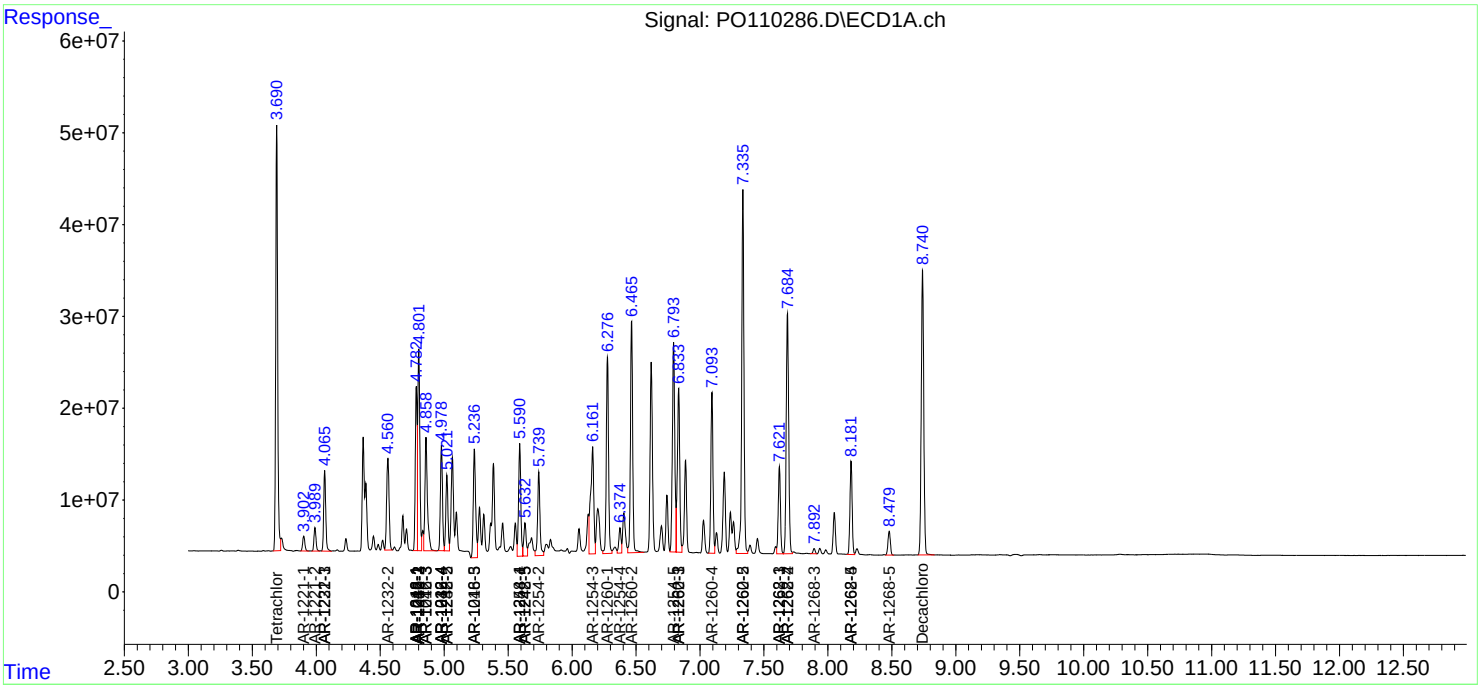
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

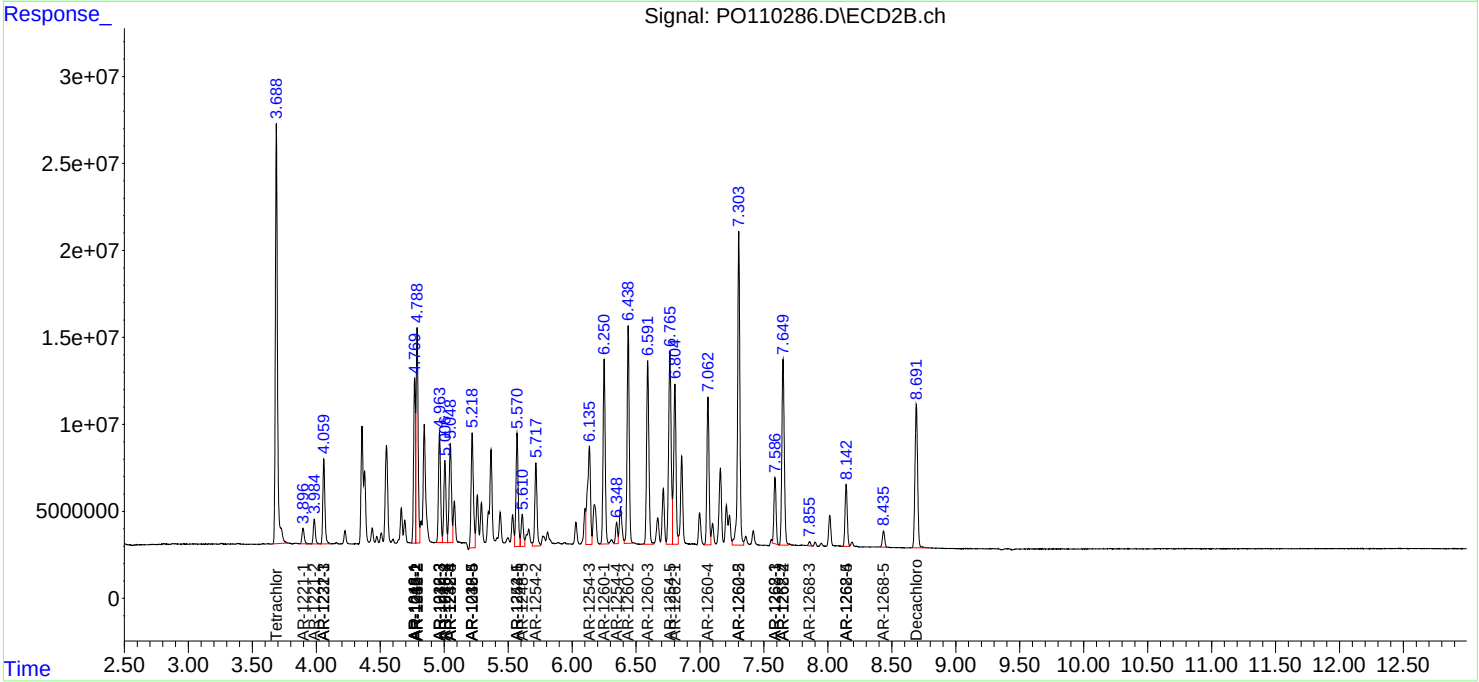
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO040725\
Data File : PO110286.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Apr 2025 21:27
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

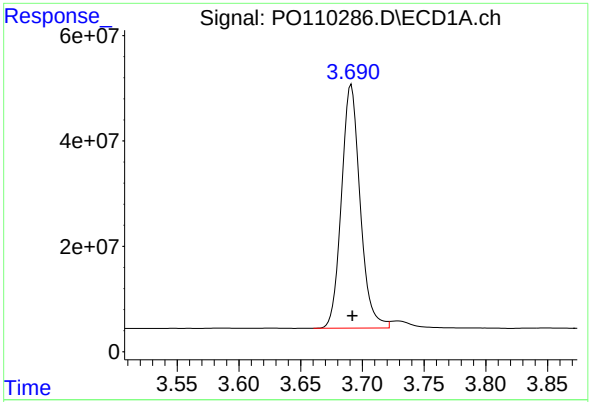
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 01:36:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO031925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 19 02:52:01 2025
Response via : Initial Calibration
Integrator: ChemStation

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



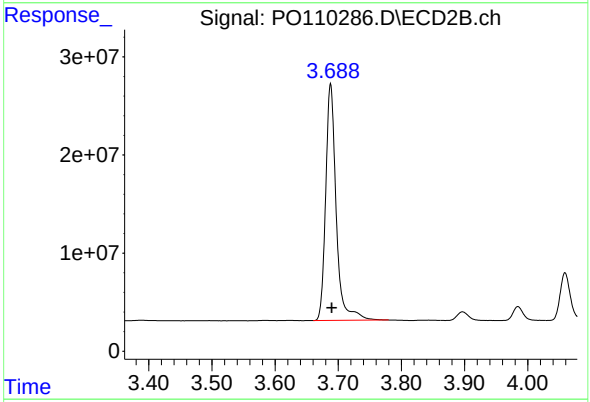






#1 Tetrachloro-m-xylene

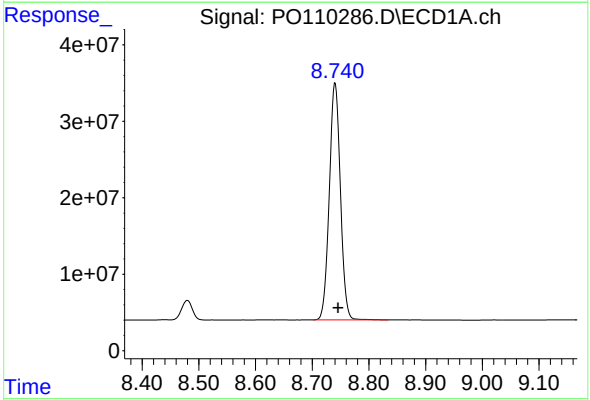
R.T.: 3.691 min
Delta R.T.: -0.001 min
Response: 486781502
Conc: 53.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



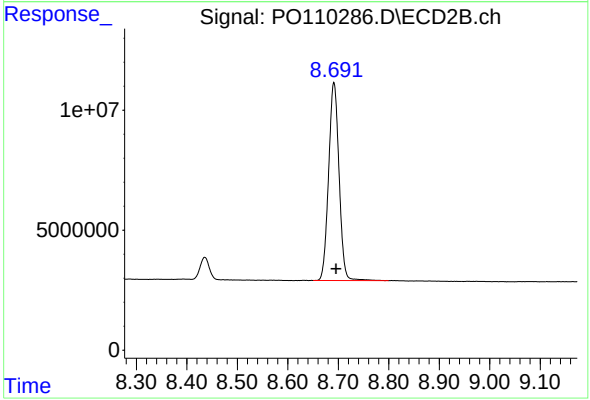

#1 Tetrachloro-m-xylene

R.T.: 3.688 min
Delta R.T.: -0.002 min
Response: 278731990
Conc: 53.15 ng/ml



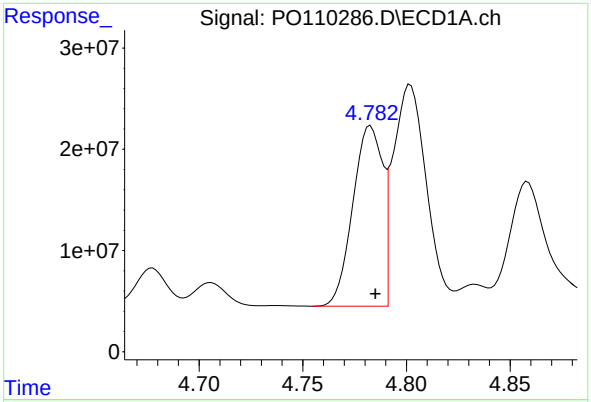

#2 Decachlorobiphenyl

R.T.: 8.740 min
Delta R.T.: -0.005 min
Response: 420491355
Conc: 54.69 ng/ml




#2 Decachlorobiphenyl

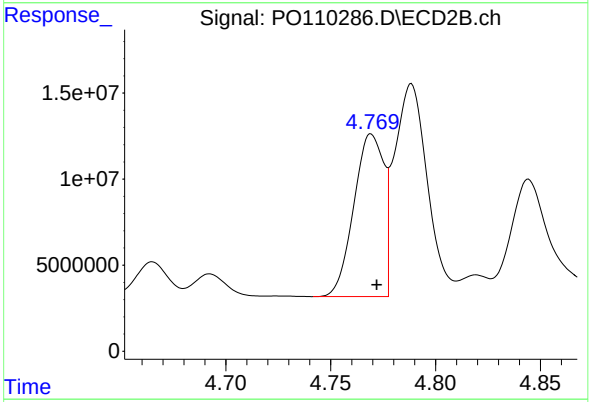
R.T.: 8.691 min
Delta R.T.: -0.004 min
Response: 118311884
Conc: 48.77 ng/ml




#3 AR-1016-1

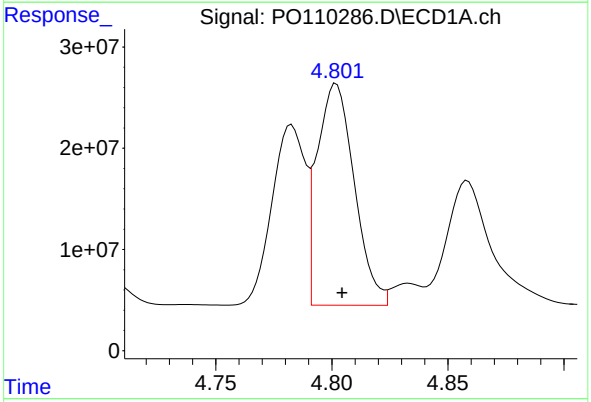
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 177801623
Conc: 528.32 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



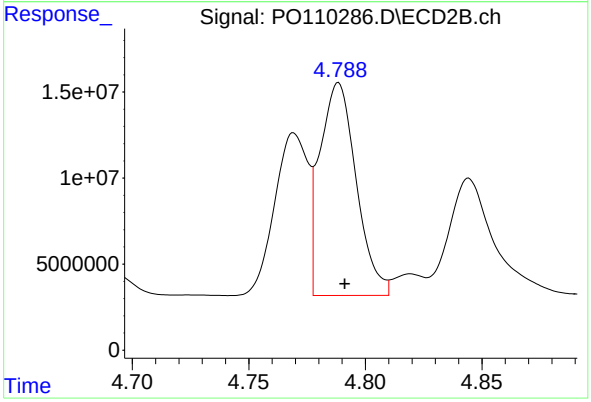

#3 AR-1016-1

R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 93902896
Conc: 512.42 ng/ml



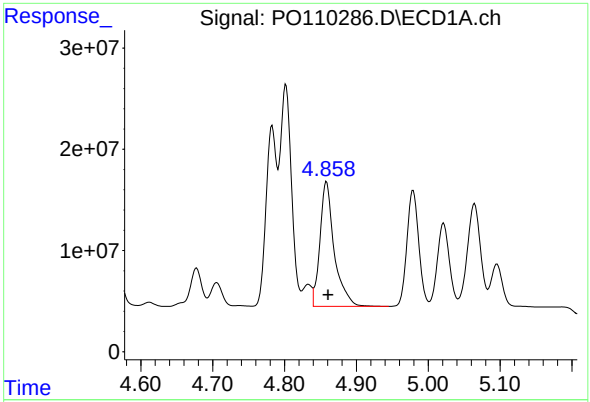

#4 AR-1016-2

R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 244109403
Conc: 526.45 ng/ml




#4 AR-1016-2

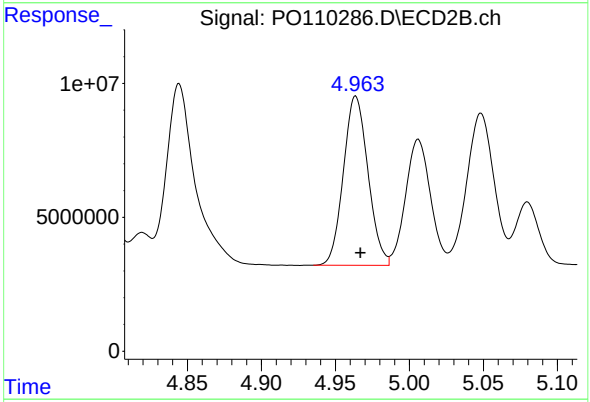
R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 134430740
Conc: 514.07 ng/ml




#5 AR-1016-3

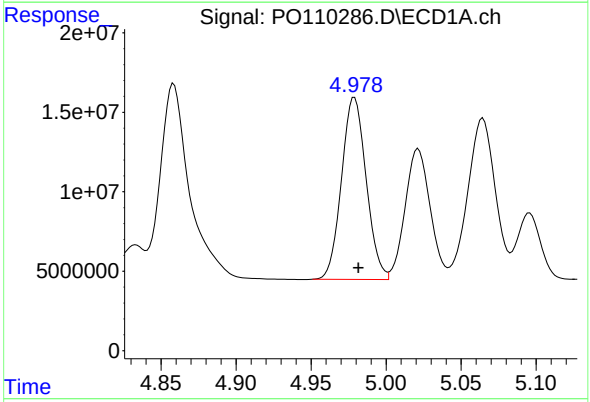
R.T.: 4.858 min
Delta R.T.: -0.002 min
Response: 169708224
Conc: 529.37 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



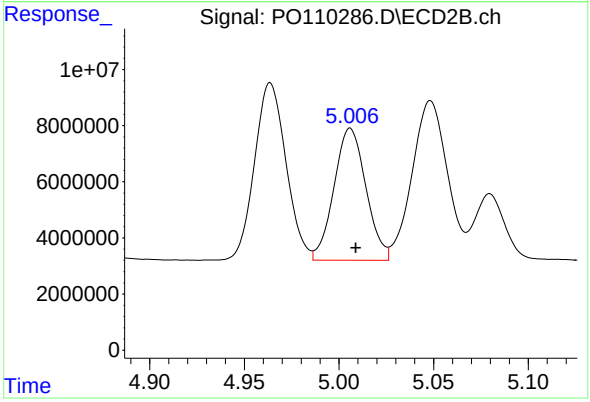

#5 AR-1016-3

R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 73038464
Conc: 515.16 ng/ml



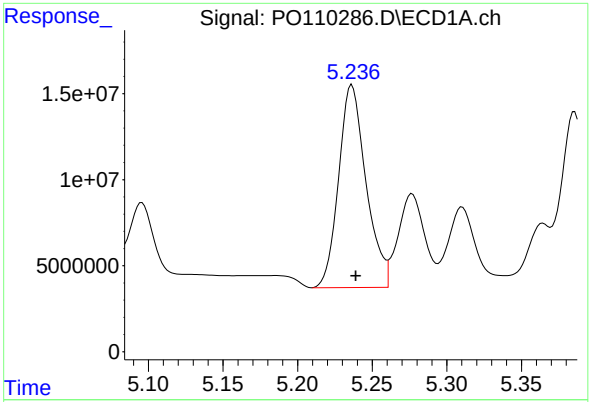

#6 AR-1016-4

R.T.: 4.979 min
Delta R.T.: -0.002 min
Response: 131142472
Conc: 518.99 ng/ml




#6 AR-1016-4

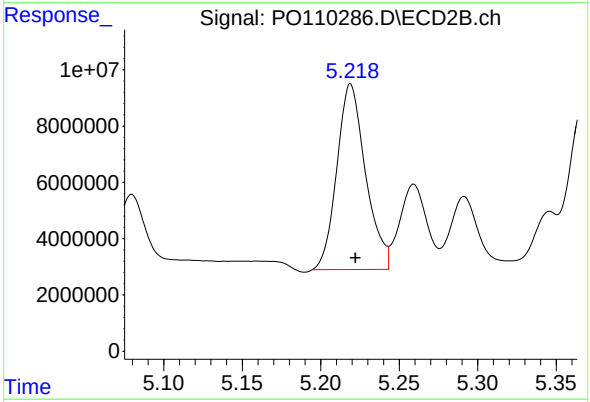
R.T.: 5.006 min
Delta R.T.: -0.003 min
Response: 55338718
Conc: 469.25 ng/ml




#7 AR-1016-5

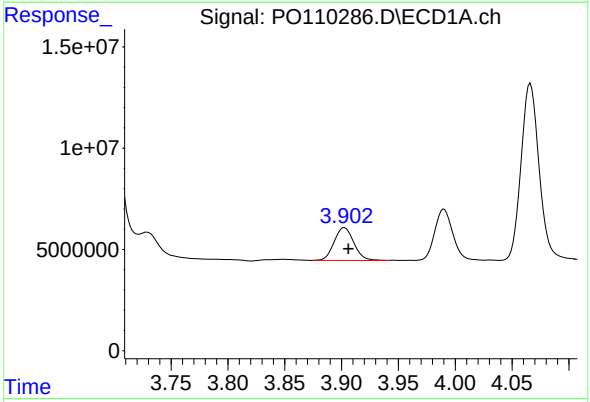
R.T.: 5.236 min
Delta R.T.: -0.003 min
Response: 150479994
Conc: 547.46 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



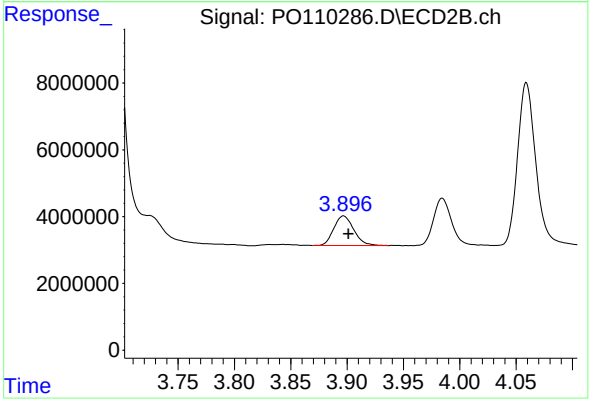

#7 AR-1016-5

R.T.: 5.219 min
Delta R.T.: -0.003 min
Response: 83969338
Conc: 549.11 ng/ml



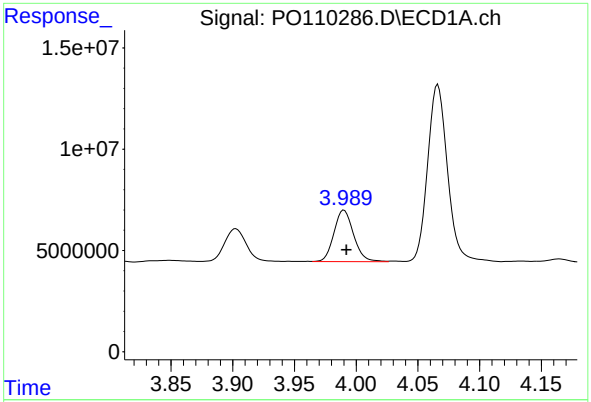

#8 AR-1221-1

R.T.: 3.903 min
Delta R.T.: -0.003 min
Response: 19462416
Conc: 168.03 ng/ml




#8 AR-1221-1

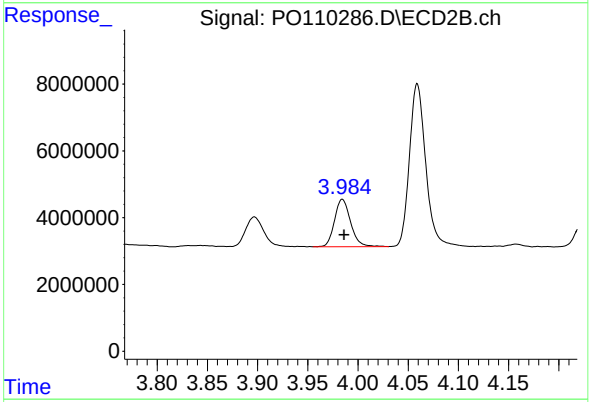
R.T.: 3.897 min
Delta R.T.: -0.004 min
Response: 11025922
Conc: 164.86 ng/ml




#9 AR-1221-2

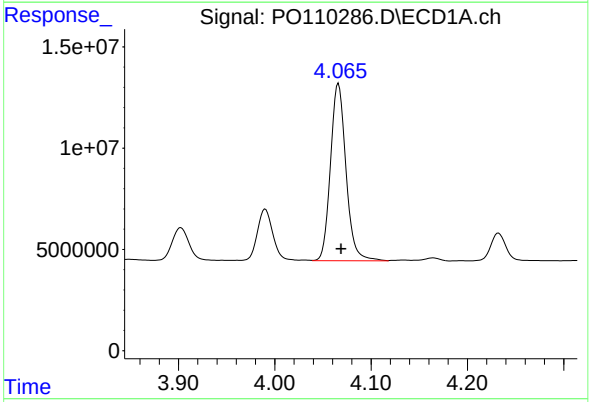
R.T.: 3.990 min
Delta R.T.: -0.002 min
Response: 28148560
Conc: 325.42 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



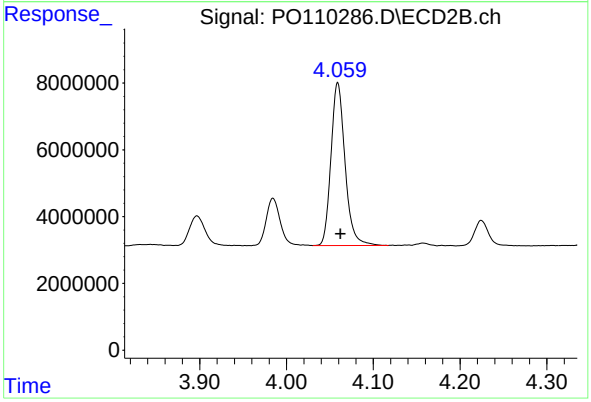

#9 AR-1221-2

R.T.: 3.984 min
Delta R.T.: -0.002 min
Response: 15829281
Conc: 320.55 ng/ml



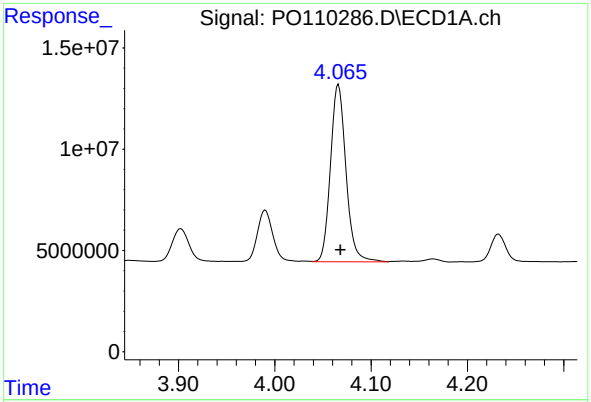

#10 AR-1221-3

R.T.: 4.066 min
Delta R.T.: -0.003 min
Response: 98013268
Conc: 374.53 ng/ml




#10 AR-1221-3

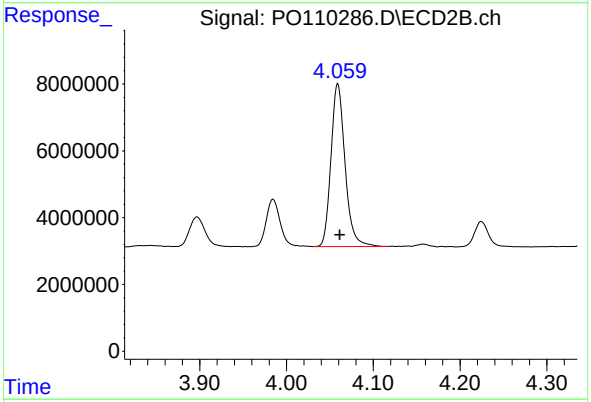
R.T.: 4.059 min
Delta R.T.: -0.003 min
Response: 55109401
Conc: 363.32 ng/ml




#11 AR-1232-1

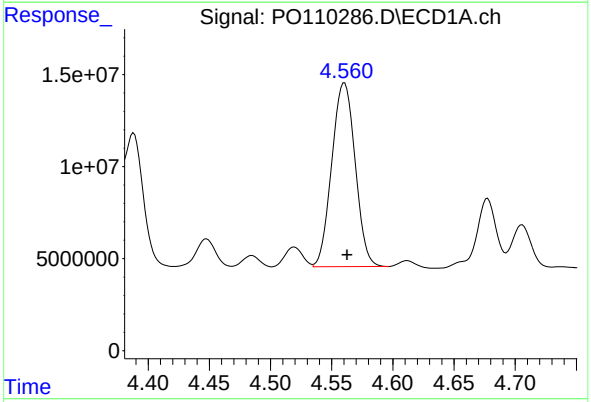
R.T.: 4.066 min
Delta R.T.: -0.002 min
Response: 98013268
Conc: 454.30 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



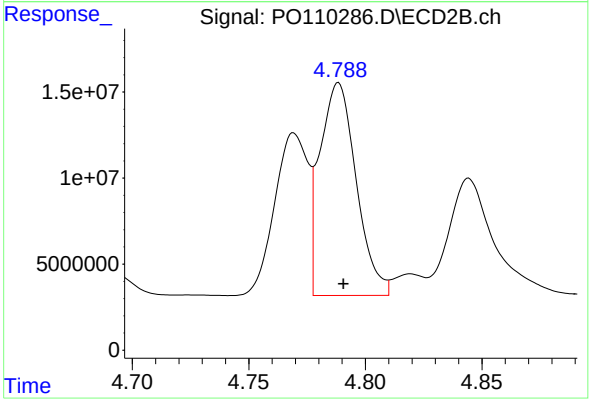

#11 AR-1232-1

R.T.: 4.059 min
Delta R.T.: -0.002 min
Response: 55109401
Conc: 444.10 ng/ml



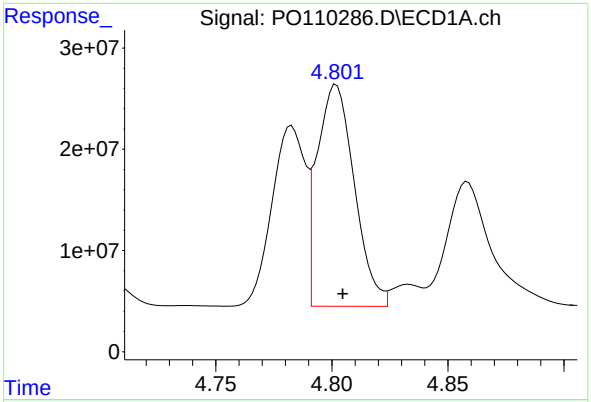

#12 AR-1232-2

R.T.: 4.560 min
Delta R.T.: -0.002 min
Response: 132903875
Conc: 1157.84 ng/ml




#12 AR-1232-2

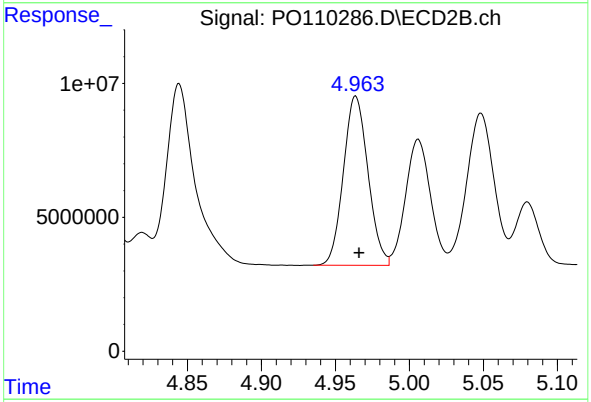
R.T.: 4.788 min
Delta R.T.: -0.002 min
Response: 134430740
Conc: 1117.01 ng/ml




#13 AR-1232-3

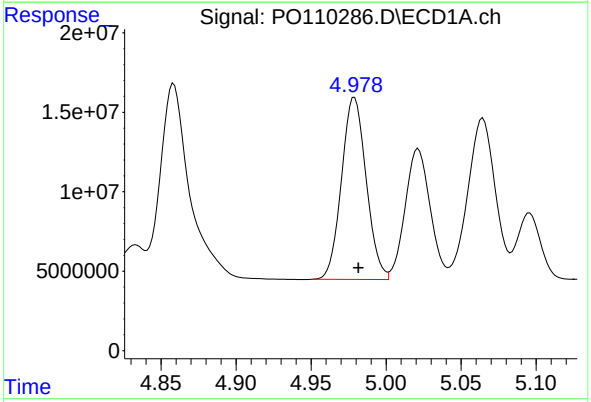
R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 244109403
Conc: 1152.66 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



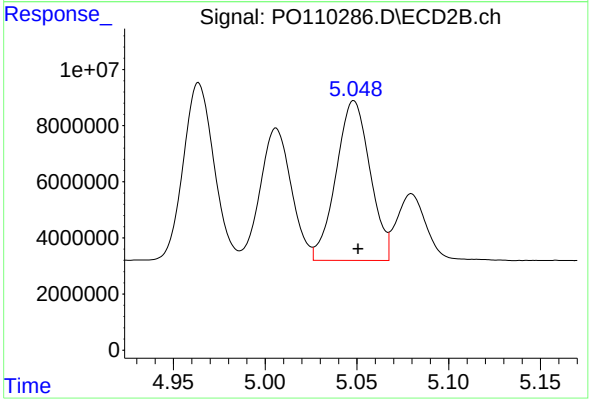

#13 AR-1232-3

R.T.: 4.964 min
Delta R.T.: -0.002 min
Response: 73038464
Conc: 1147.39 ng/ml



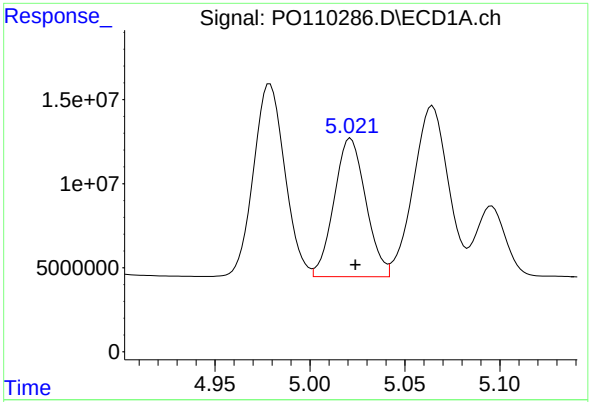

#14 AR-1232-4

R.T.: 4.979 min
Delta R.T.: -0.003 min
Response: 131142472
Conc: 1154.82 ng/ml




#14 AR-1232-4

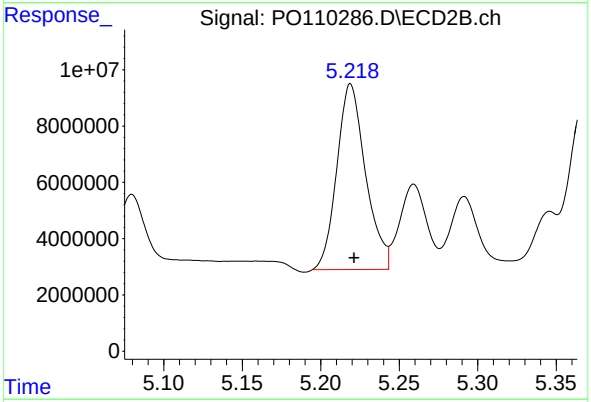
R.T.: 5.048 min
Delta R.T.: -0.002 min
Response: 73350252
Conc: 1236.08 ng/ml




#15 AR-1232-5

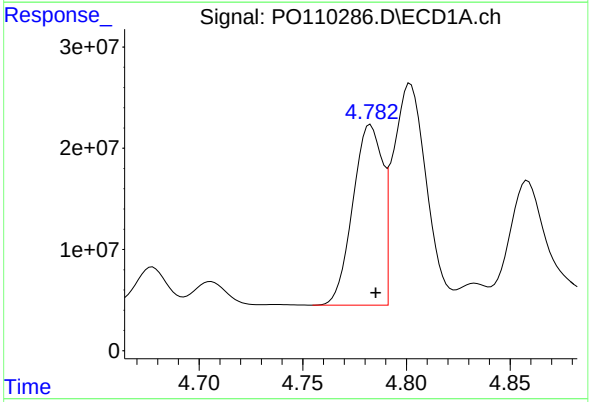
R.T.: 5.021 min
Delta R.T.: -0.002 min
Response: 95769846
Conc: 1190.37 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



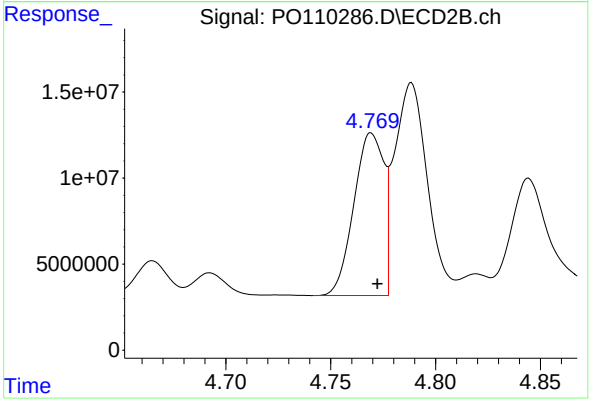

#15 AR-1232-5

R.T.: 5.219 min
Delta R.T.: -0.002 min
Response: 83969338
Conc: 1328.25 ng/ml



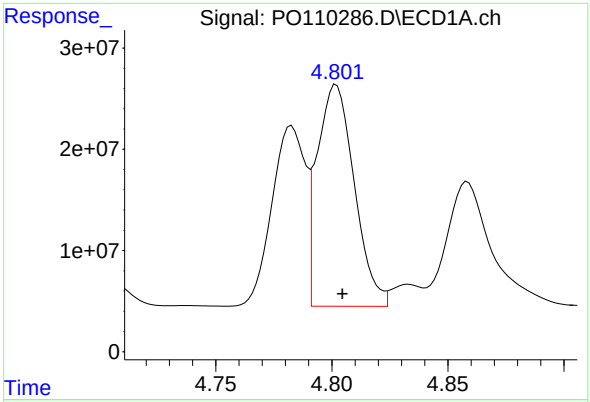

#16 AR-1242-1

R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 177801623
Conc: 664.91 ng/ml




#16 AR-1242-1

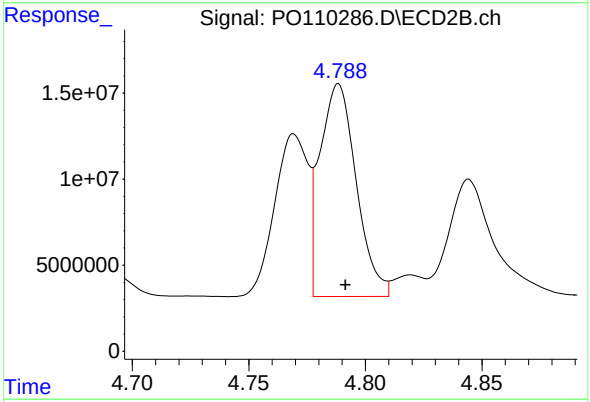
R.T.: 4.769 min
Delta R.T.: -0.003 min
Response: 93902896
Conc: 642.22 ng/ml




#17 AR-1242-2

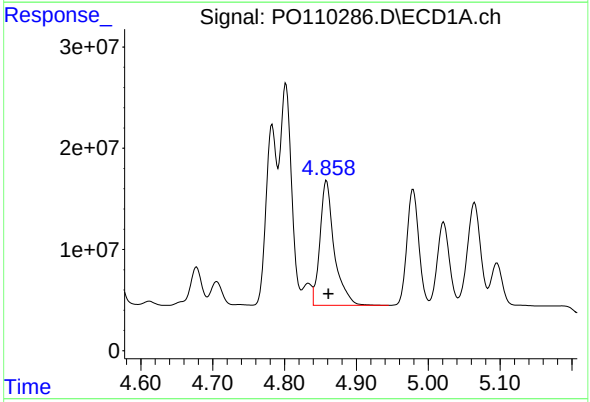
R.T.: 4.802 min
Delta R.T.: -0.003 min
Response: 244109403
Conc: 662.97 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



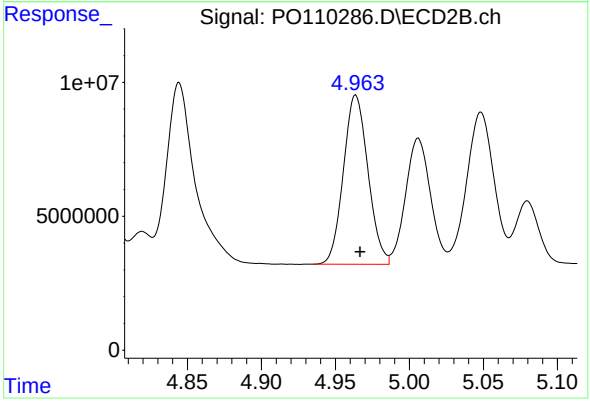

#17 AR-1242-2

R.T.: 4.788 min
Delta R.T.: -0.003 min
Response: 134430740
Conc: 646.19 ng/ml



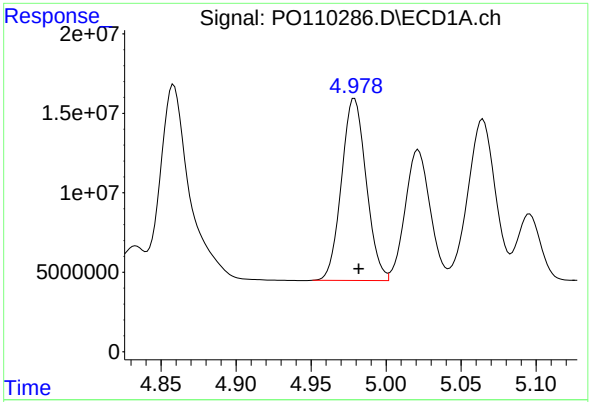

#18 AR-1242-3

R.T.: 4.858 min
Delta R.T.: -0.003 min
Response: 169708224
Conc: 657.91 ng/ml




#18 AR-1242-3

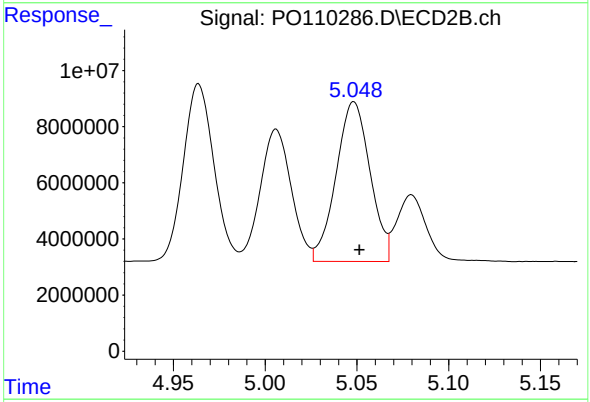
R.T.: 4.964 min
Delta R.T.: -0.003 min
Response: 73038464
Conc: 654.39 ng/ml




#19 AR-1242-4

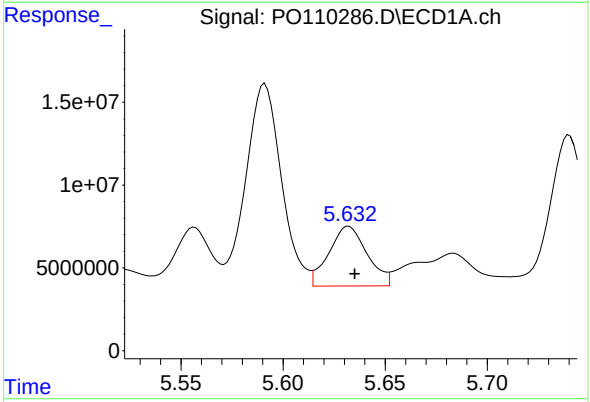
R.T.: 4.979 min
Delta R.T.: -0.003 min
Response: 131142472
Conc: 655.40 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



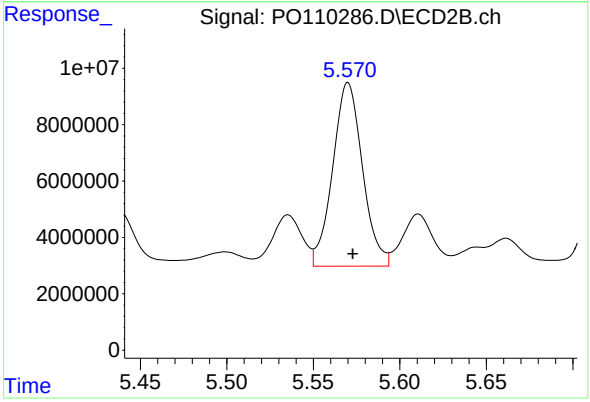

#19 AR-1242-4

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 73350252
Conc: 632.46 ng/ml



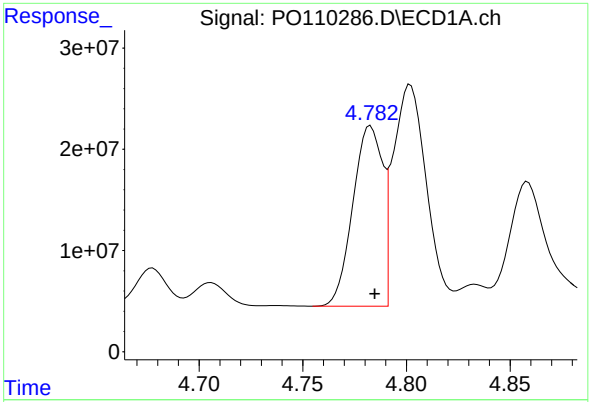

#20 AR-1242-5

R.T.: 5.632 min
Delta R.T.: -0.003 min
Response: 47210124
Conc: 223.69 ng/ml




#20 AR-1242-5

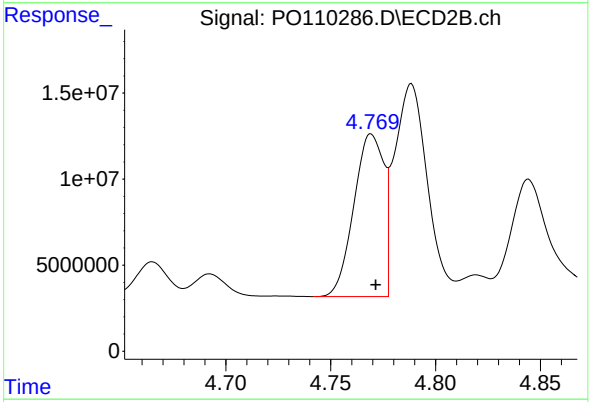
R.T.: 5.570 min
Delta R.T.: -0.003 min
Response: 77845170
Conc: 567.21 ng/ml




#21 AR-1248-1

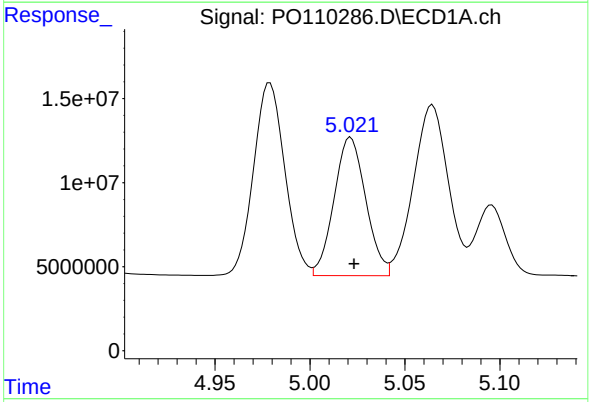
R.T.: 4.783 min
Delta R.T.: -0.002 min
Response: 177801623
Conc: 806.42 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



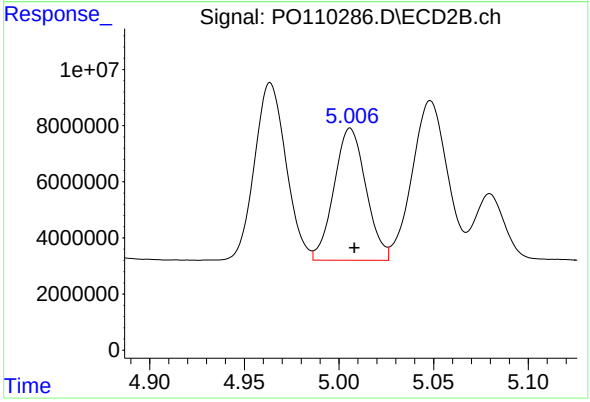

#21 AR-1248-1

R.T.: 4.769 min
Delta R.T.: -0.002 min
Response: 93902896
Conc: 772.63 ng/ml



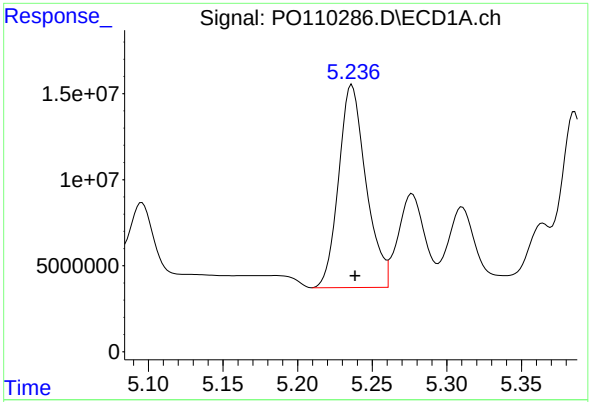

#22 AR-1248-2

R.T.: 5.021 min
Delta R.T.: -0.002 min
Response: 95769846
Conc: 317.97 ng/ml




#22 AR-1248-2

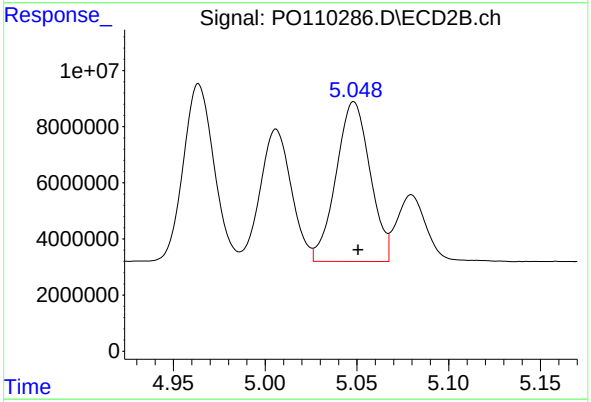
R.T.: 5.006 min
Delta R.T.: -0.002 min
Response: 55338718
Conc: 328.50 ng/ml




#23 AR-1248-3

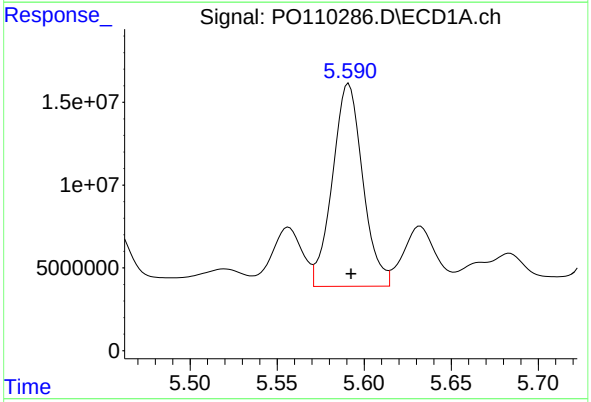
R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 150479994
Conc: 403.23 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



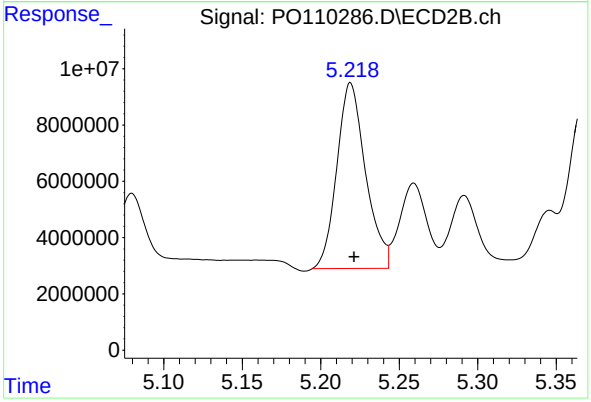

#23 AR-1248-3

R.T.: 5.048 min
Delta R.T.: -0.002 min
Response: 73350252
Conc: 404.83 ng/ml



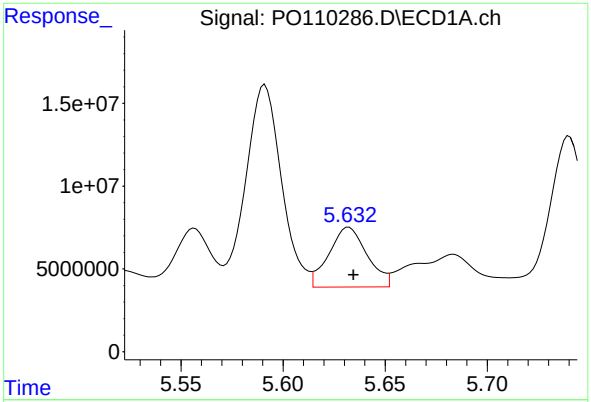

#24 AR-1248-4

R.T.: 5.591 min
Delta R.T.: -0.001 min
Response: 148547870
Conc: 281.33 ng/ml




#24 AR-1248-4

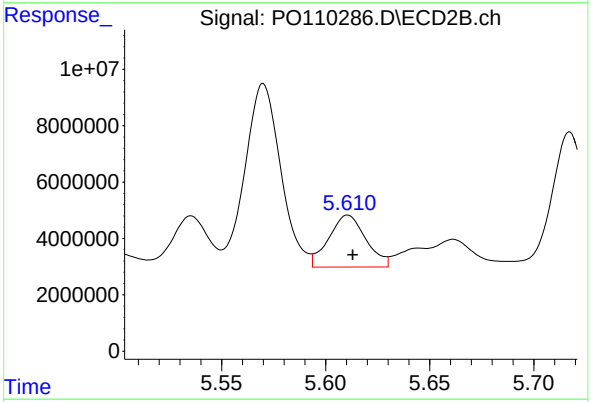
R.T.: 5.219 min
Delta R.T.: -0.002 min
Response: 83969338
Conc: 398.98 ng/ml




#25 AR-1248-5

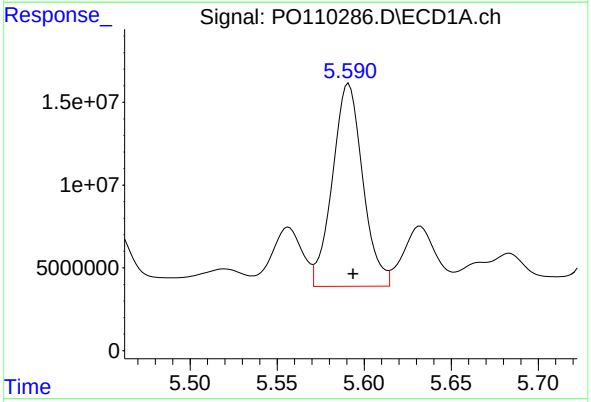
R.T.: 5.632 min
Delta R.T.: -0.002 min
Response: 47210124
Conc: 126.59 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



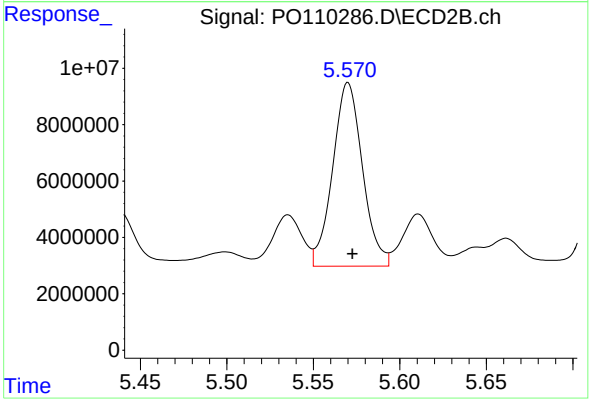

#25 AR-1248-5

R.T.: 5.611 min
Delta R.T.: -0.002 min
Response: 22863074
Conc: 109.99 ng/ml



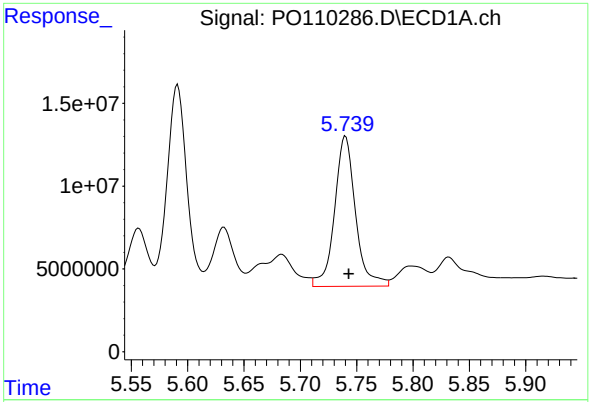

#26 AR-1254-1

R.T.: 5.591 min
Delta R.T.: -0.002 min
Response: 148547870
Conc: 262.80 ng/ml




#26 AR-1254-1

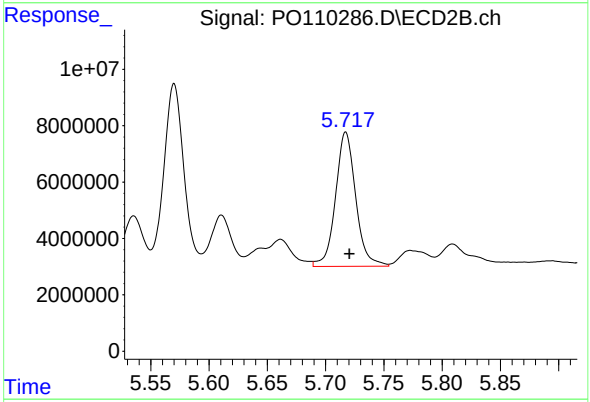
R.T.: 5.570 min
Delta R.T.: -0.003 min
Response: 77845170
Conc: 248.95 ng/ml




#27 AR-1254-2

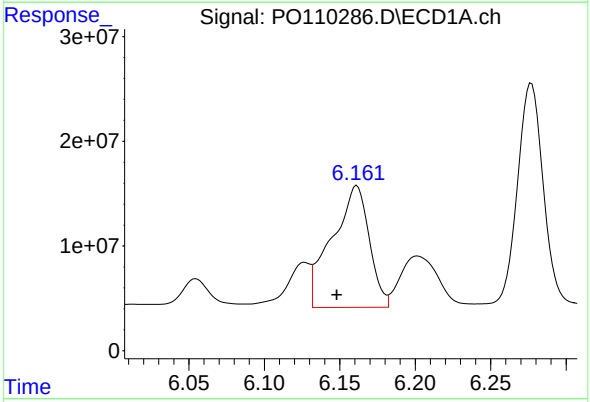
R.T.: 5.740 min
Delta R.T.: -0.003 min
Response: 117101241
Conc: 243.33 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



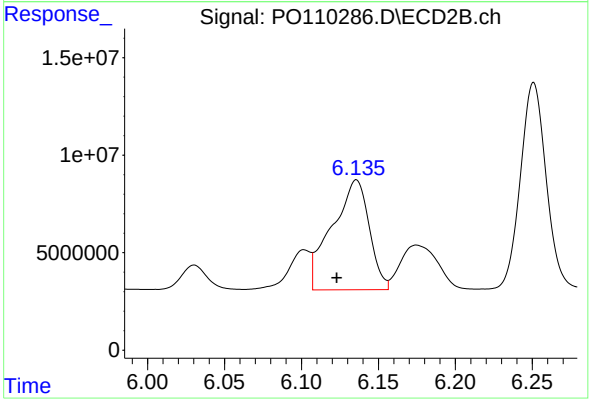

#27 AR-1254-2

R.T.: 5.717 min
Delta R.T.: -0.003 min
Response: 57497390
Conc: 211.75 ng/ml



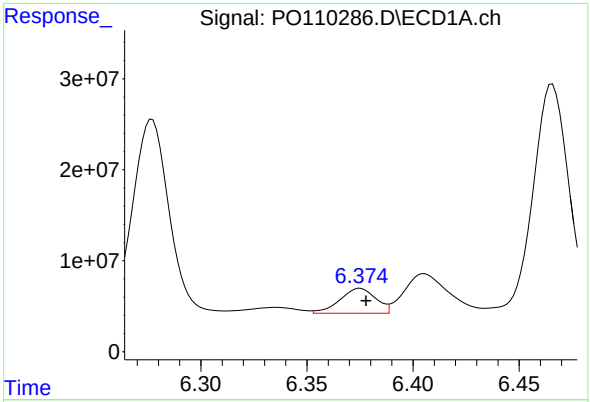

#28 AR-1254-3

R.T.: 6.161 min
Delta R.T.: 0.013 min
Response: 199842623
Conc: 258.50 ng/ml




#28 AR-1254-3

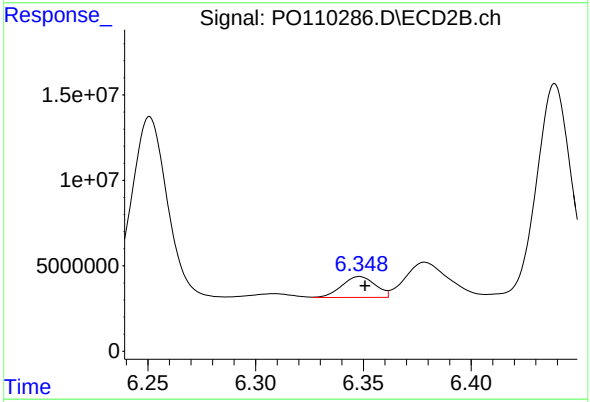
R.T.: 6.136 min
Delta R.T.: 0.013 min
Response: 94798356
Conc: 228.19 ng/ml




#29 AR-1254-4

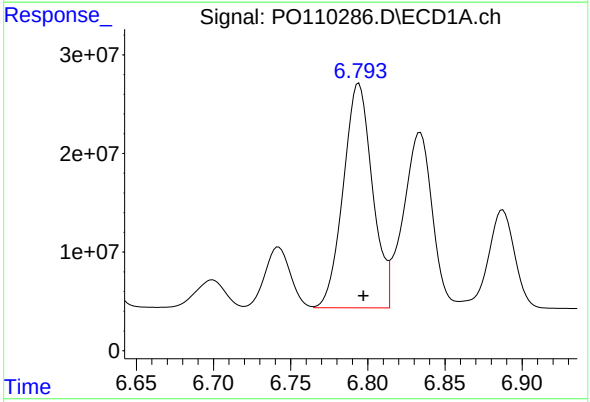
R.T.: 6.375 min
Delta R.T.: -0.003 min
Response: 32159525
Conc: 66.98 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



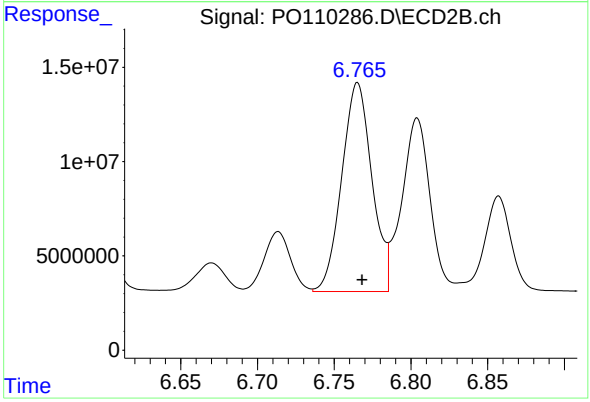

#29 AR-1254-4

R.T.: 6.348 min
Delta R.T.: -0.003 min
Response: 13331170
Conc: 54.96 ng/ml



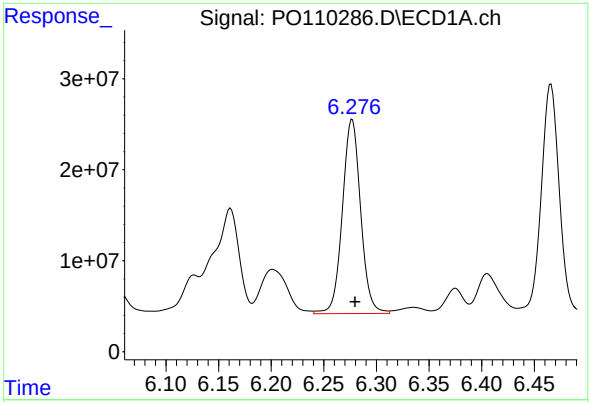

#30 AR-1254-5

R.T.: 6.794 min
Delta R.T.: -0.003 min
Response: 299018131
Conc: 459.92 ng/ml




#30 AR-1254-5

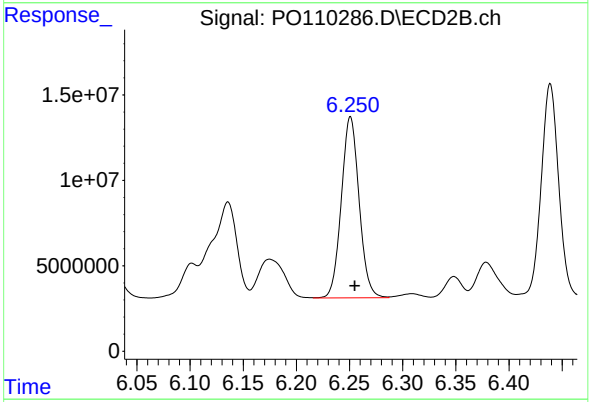
R.T.: 6.765 min
Delta R.T.: -0.003 min
Response: 151977984
Conc: 452.45 ng/ml




#31 AR-1260-1

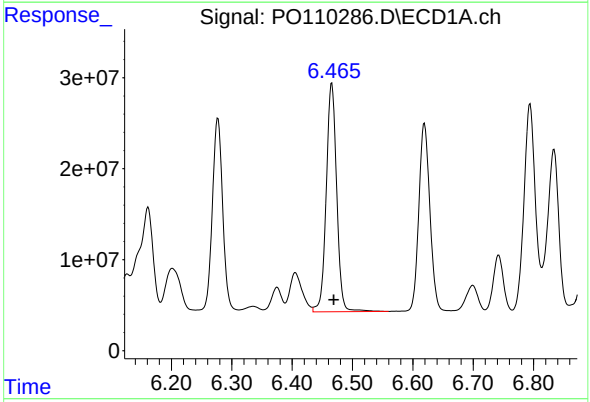
R.T.: 6.277 min
Delta R.T.: -0.003 min
Response: 259319565
Conc: 550.16 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



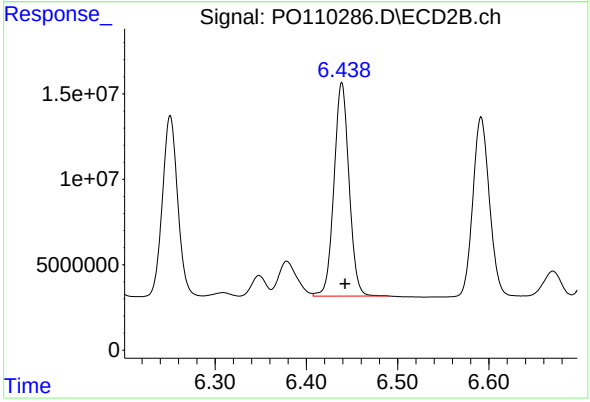

#31 AR-1260-1

R.T.: 6.251 min
Delta R.T.: -0.004 min
Response: 123473695
Conc: 483.37 ng/ml



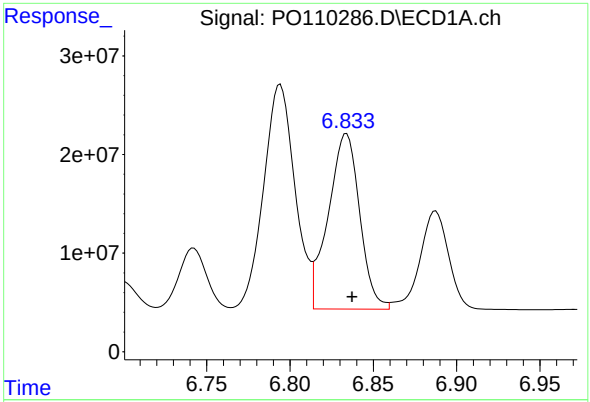

#32 AR-1260-2

R.T.: 6.466 min
Delta R.T.: -0.003 min
Response: 302763163
Conc: 508.40 ng/ml




#32 AR-1260-2

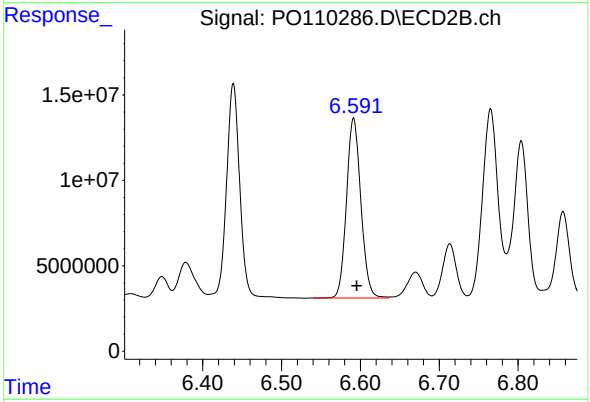
R.T.: 6.439 min
Delta R.T.: -0.004 min
Response: 143289838
Conc: 477.18 ng/ml




#33 AR-1260-3

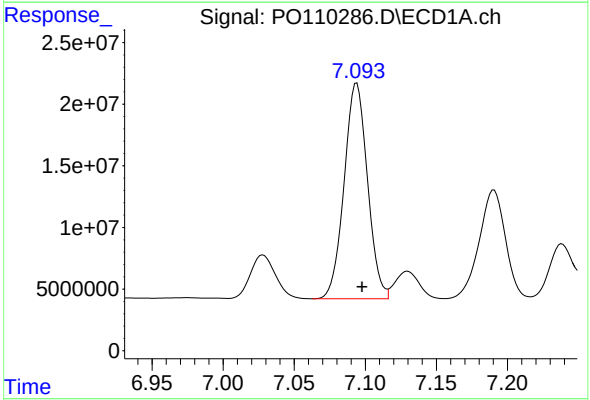
R.T.: 6.834 min
Delta R.T.: -0.003 min
Response: 233791087
Conc: 481.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



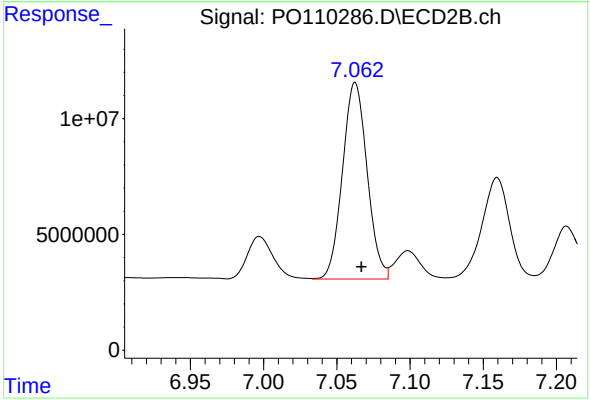

#33 AR-1260-3

R.T.: 6.591 min
Delta R.T.: -0.004 min
Response: 133557256
Conc: 462.16 ng/ml



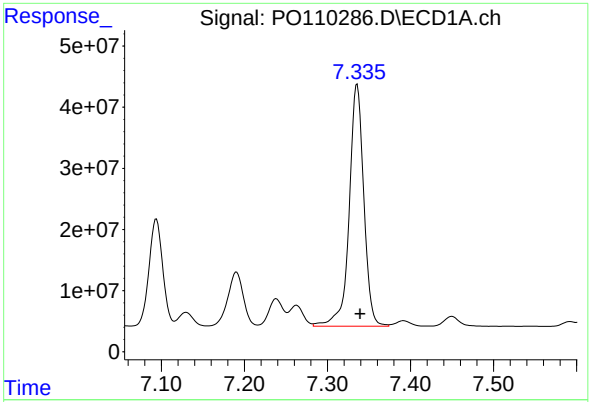

#34 AR-1260-4

R.T.: 7.094 min
Delta R.T.: -0.004 min
Response: 199989246
Conc: 471.49 ng/ml




#34 AR-1260-4

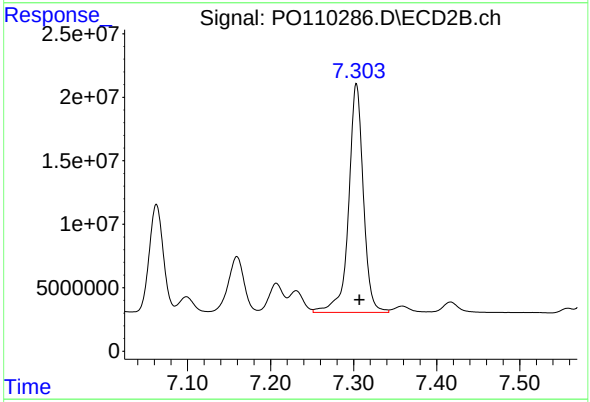
R.T.: 7.063 min
Delta R.T.: -0.004 min
Response: 99360275
Conc: 461.97 ng/ml




#35 AR-1260-5

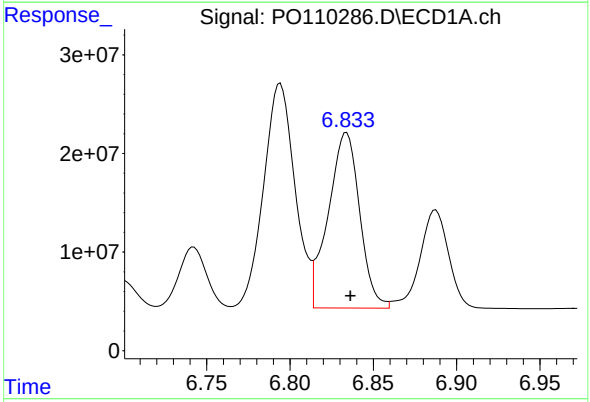
R.T.: 7.336 min
Delta R.T.: -0.004 min
Response: 484140405
Conc: 462.92 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



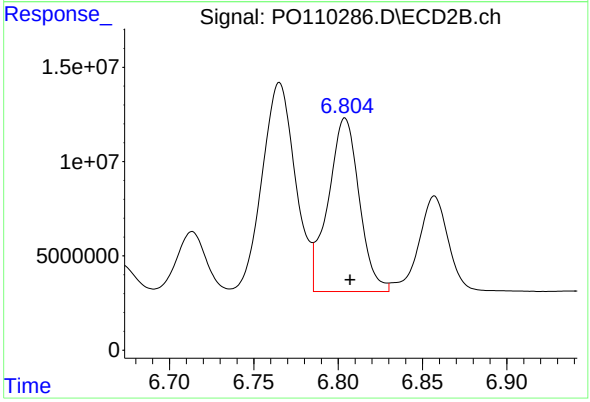

#35 AR-1260-5

R.T.: 7.303 min
Delta R.T.: -0.004 min
Response: 221673295
Conc: 444.51 ng/ml



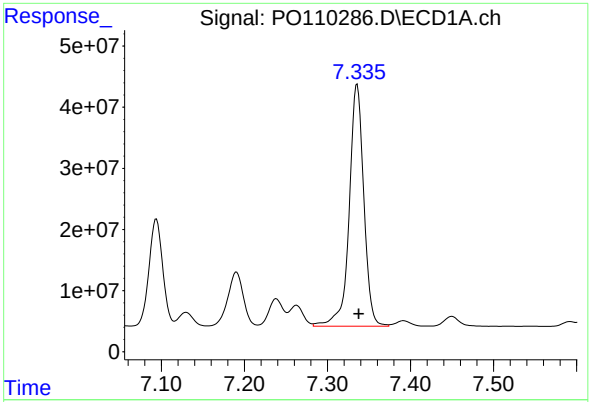

#36 AR-1262-1

R.T.: 6.834 min
Delta R.T.: -0.002 min
Response: 233791087
Conc: 339.75 ng/ml




#36 AR-1262-1

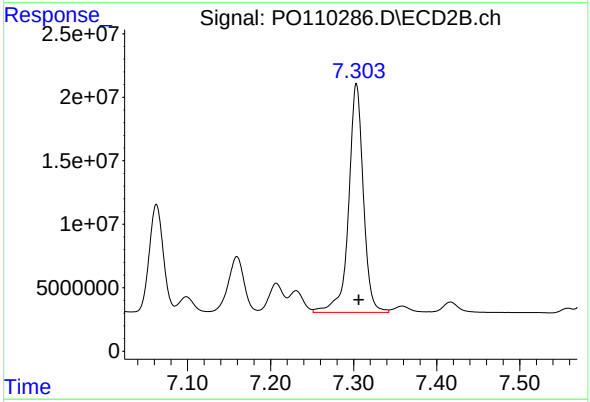
R.T.: 6.804 min
Delta R.T.: -0.003 min
Response: 118057901
Conc: 342.88 ng/ml




#37 AR-1262-2

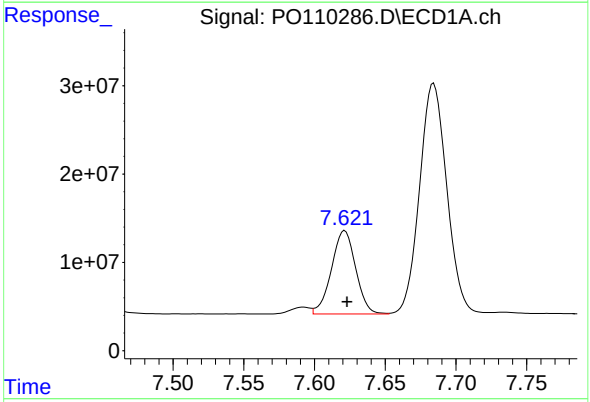
R.T.: 7.336 min
Delta R.T.: -0.002 min
Response: 484140405
Conc: 406.17 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



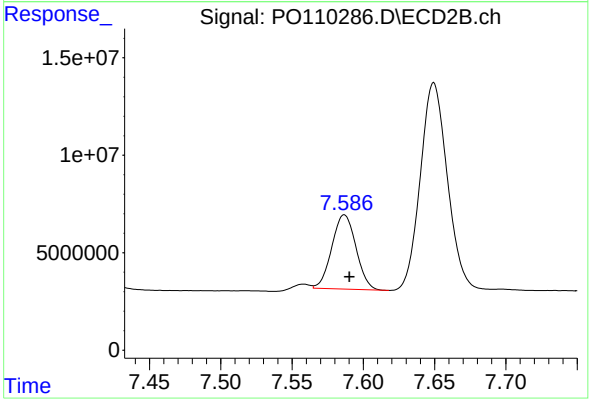

#37 AR-1262-2

R.T.: 7.303 min
Delta R.T.: -0.003 min
Response: 221673295
Conc: 412.63 ng/ml



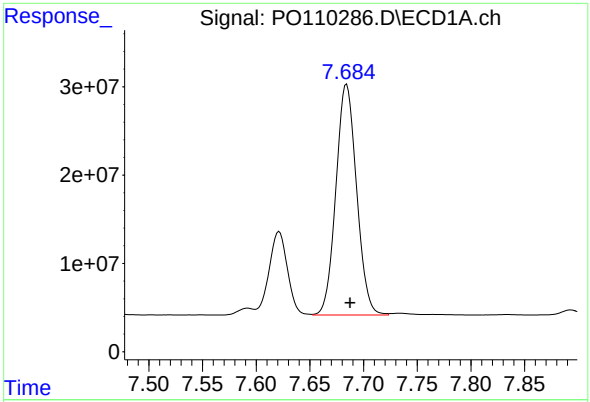

#38 AR-1262-3

R.T.: 7.621 min
Delta R.T.: -0.002 min
Response: 112676982
Conc: 239.42 ng/ml




#38 AR-1262-3

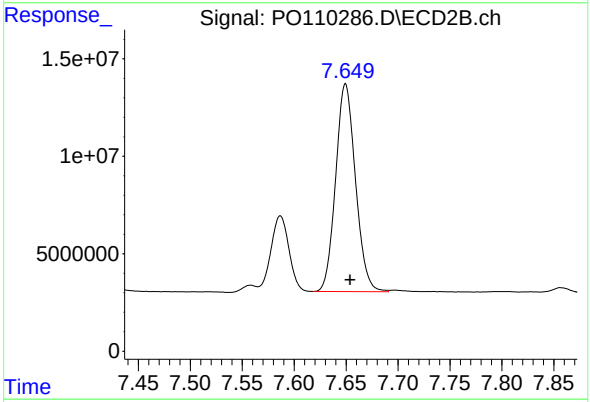
R.T.: 7.587 min
Delta R.T.: -0.003 min
Response: 45025623
Conc: 232.03 ng/ml




#39 AR-1262-4

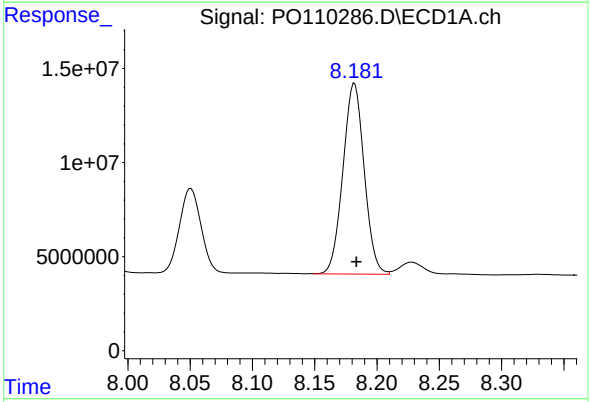
R.T.: 7.684 min
Delta R.T.: -0.003 min
Response: 350265107
Conc: 400.50 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



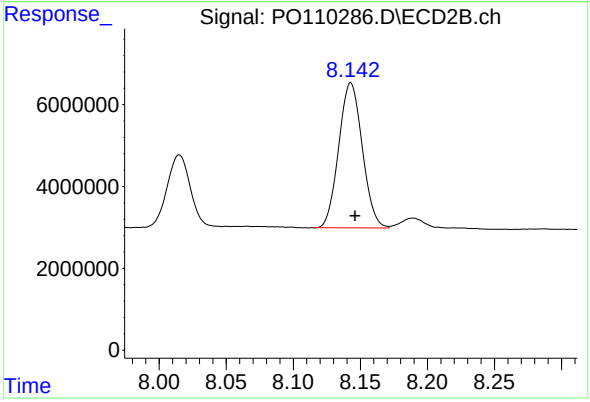

#39 AR-1262-4

R.T.: 7.649 min
Delta R.T.: -0.004 min
Response: 141651763
Conc: 391.53 ng/ml



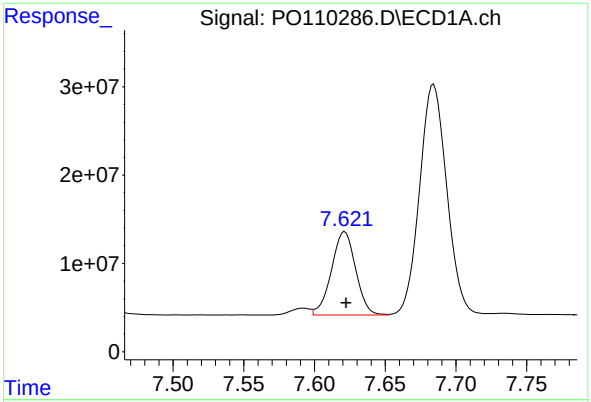

#40 AR-1262-5

R.T.: 8.182 min
Delta R.T.: -0.002 min
Response: 121020918
Conc: 306.82 ng/ml




#40 AR-1262-5

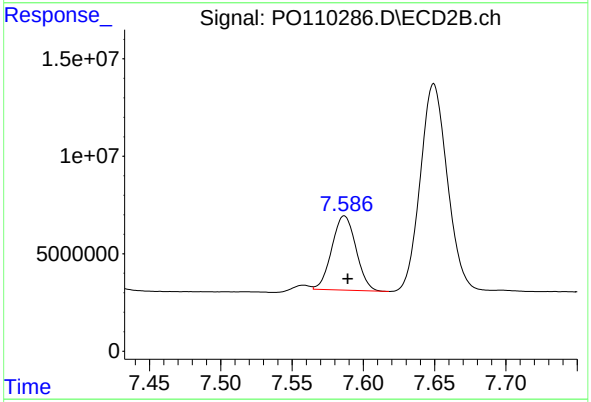
R.T.: 8.143 min
Delta R.T.: -0.003 min
Response: 43223300
Conc: 306.20 ng/ml




#41 AR-1268-1

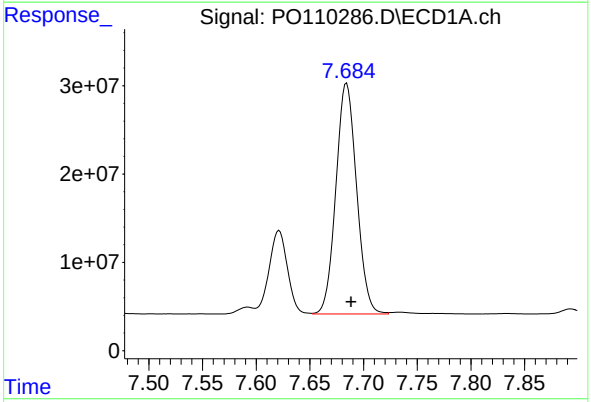
R.T.: 7.621 min
Delta R.T.: 0.000 min
Response: 112676982
Conc: 80.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



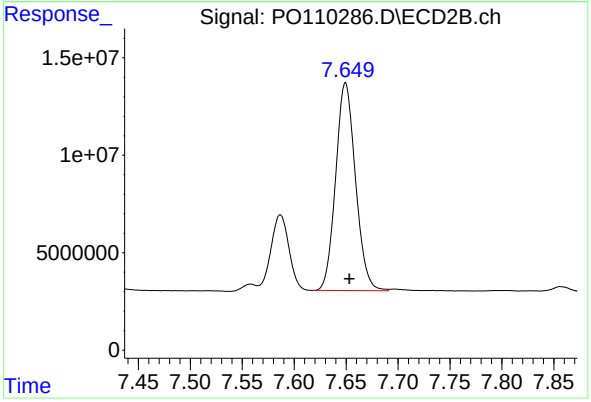

#41 AR-1268-1

R.T.: 7.587 min
Delta R.T.: -0.002 min
Response: 45025623
Conc: 76.92 ng/ml



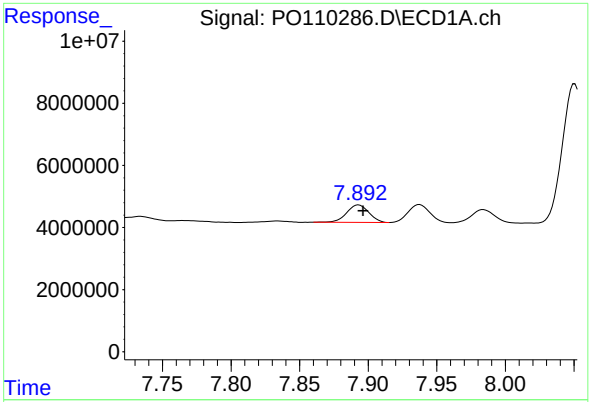

#42 AR-1268-2

R.T.: 7.684 min
Delta R.T.: -0.004 min
Response: 350265107
Conc: 273.61 ng/ml




#42 AR-1268-2

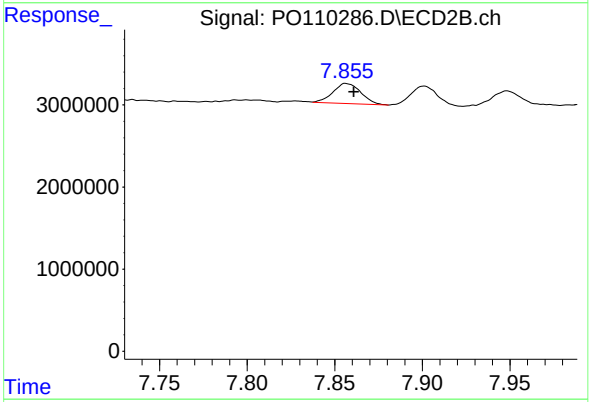
R.T.: 7.649 min
Delta R.T.: -0.004 min
Response: 141651763
Conc: 263.47 ng/ml




#43 AR-1268-3

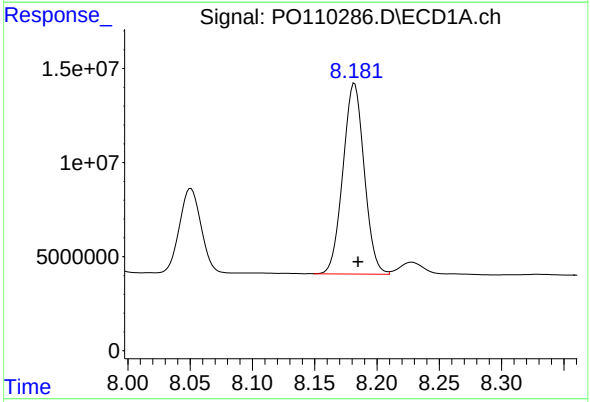
R.T.: 7.893 min
Delta R.T.: -0.003 min
Response: 6384140
Conc: 6.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500



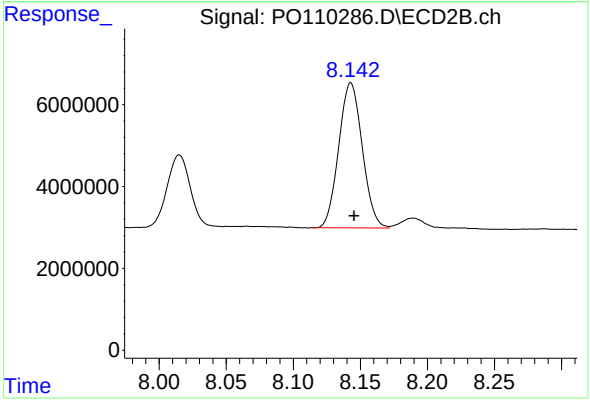

#43 AR-1268-3

R.T.: 7.857 min
Delta R.T.: -0.004 min
Response: 2701969
Conc: 6.50 ng/ml



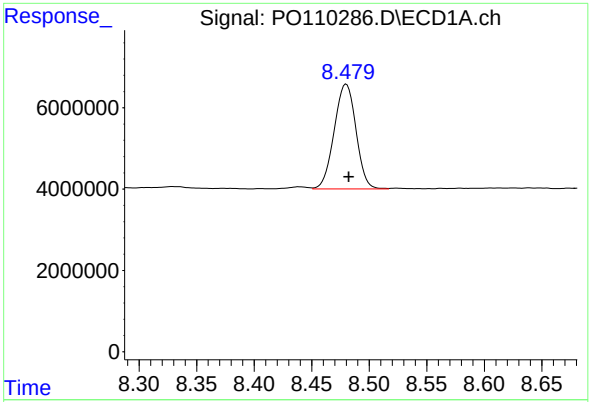

#44 AR-1268-4

R.T.: 8.182 min
Delta R.T.: -0.003 min
Response: 121020918
Conc: 273.81 ng/ml




#44 AR-1268-4

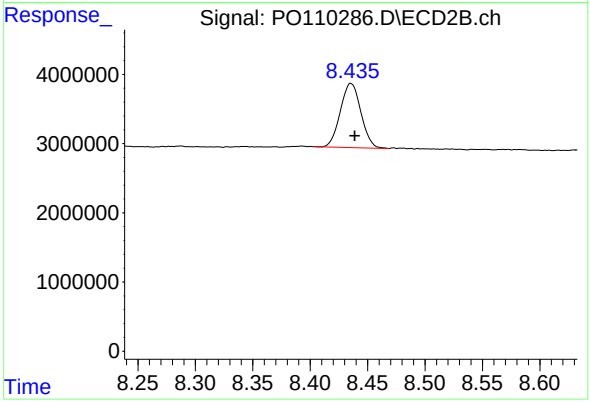
R.T.: 8.143 min
Delta R.T.: -0.002 min
Response: 43223300
Conc: 268.40 ng/ml




#45 AR-1268-5

R.T.: 8.480 min
Delta R.T.: -0.002 min
Response: 34068238
Conc: 10.71 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500




#45 AR-1268-5

R.T.: 8.436 min
Delta R.T.: -0.003 min
Response: 11602754
Conc: 11.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.515 | 3.816 | 39892911 | 28120307 | 27.294 | 27.126 | |
| 2) | SA Decachlor... | 10.229 | 8.859 | 27877719 | 18839232 | 26.484 | 23.902 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.667 | 4.903 | 13581167 | 11323714 | 267.076 | 282.470 | |
| 4) | L1 AR-1016-2 | 5.689 | 4.922 | 20108471 | 16375760 | 257.624 | 282.999 | |
| 5) | L1 AR-1016-3 | 5.751 | 5.099 | 12212490 | 8877034 | 258.878 | 287.066 | |
| 6) | L1 AR-1016-4 | 5.848 | 5.141 | 9803037 | 7158830 | 266.708 | 293.926 | |
| 7) | L1 AR-1016-5 | 6.141 | 5.355 | 9152735 | 9323046 | 269.896 | 288.450 | |
| 8) | L2 AR-1221-1 | 4.717 | 4.026 | 1321625 | 1122384 | 76.158 | 73.630 | |
| 9) | L2 AR-1221-2 | 4.802 | 4.115 | 2090814 | 1735253 | 161.416 | 151.732 | |
| 10) | L2 AR-1221-3 | 4.877 | 4.190 | 7052777 | 6326573 | 169.061 | 185.590 | |
| 11) | L3 AR-1232-1 | 4.877 | 4.190 | 7052777 | 6326573 | 211.867 | 226.056 | |
| 12) | L3 AR-1232-2 | 5.402 | 4.922 | 9379837 | 16375760 | 589.544 | 583.574 | |
| 13) | L3 AR-1232-3 | 5.689 | 5.099 | 20108471 | 8877034 | 586.759 | 596.191 | |
| 14) | L3 AR-1232-4 | 5.848 | 5.183 | 9803037 | 8604427 | 624.096 | 671.992 | |
| 15) | L3 AR-1232-5 | 5.939 | 5.355 | 7957300 | 9323046 | 747.842 | 657.721 | |
| 16) | L4 AR-1242-1 | 5.667 | 4.903 | 13581167 | 11323714 | 308.823 | 331.143 | |
| 17) | L4 AR-1242-2 | 5.689 | 4.922 | 20108471 | 16375760 | 312.650 | 332.451 | |
| 18) | L4 AR-1242-3 | 5.751 | 5.099 | 12212490 | 8877034 | 297.579 | 333.169 | |
| 19) | L4 AR-1242-4 | 5.848 | 5.183 | 9803037 | 8604427 | 321.165 | 326.194 | |
| 20) | L4 AR-1242-5 | 6.579 | 5.708 | 4761571 | 8766943 | 130.417 | 283.186 | # |
| 21) | L5 AR-1248-1 | 5.667 | 4.903 | 13581167 | 11323714 | 374.266 | 418.158 | |
| 22) | L5 AR-1248-2 | 5.939 | 5.141 | 7957300 | 7158830 | 177.071 | 194.944 | |
| 23) | L5 AR-1248-3 | 6.141 | 5.183 | 9152735 | 8604427 | 180.750 | 222.570 | |
| 24) | L5 AR-1248-4 | 6.539 | 5.355 | 4049391 | 9323046 | 63.126 | 206.532 | # |
| 25) | L5 AR-1248-5 | 6.579 | 5.749 | 4761571 | 2416322 | 78.256 | 56.617 | # |
| 26) | L6 AR-1254-1 | 6.515 | 5.708 | 10069870 | 8766943 | 156.388 | 132.797 | |
| 27) | L6 AR-1254-2 | 6.731 | 5.856 | 10106718 | 6407649 | 99.977 | 112.222 | |
| 28) | L6 AR-1254-3 | 7.094 | 6.276 | 7072472 | 11091003 | 70.918 | 127.716 | # |
| 29) | L6 AR-1254-4 | 7.379 | 6.489 | 4686448 | 1684678 | 54.118 | 30.030 | # |
| 30) | L6 AR-1254-5 | 7.792 | 6.906 | 26750553 | 17034582 | 332.921 | 236.097 | # |
| 31) | L7 AR-1260-1 | 7.260 | 6.391 | 18182257 | 14056672 | 270.759 | 274.511 | |
| 32) | L7 AR-1260-2 | 7.513 | 6.579 | 26780079 | 17295947 | 278.563 | 271.122 | |
| 33) | L7 AR-1260-3 | 7.871 | 6.733 | 23122222 | 14684885 | 289.324 | 269.513 | |
| 34) | L7 AR-1260-4 | 8.095 | 7.205 | 23709378 | 12488782 | 301.122 | 261.128 | |
| 35) | L7 AR-1260-5 | 8.415 | 7.446 | 43743345 | 31815782 | 275.313 | 255.527 | |
| 36) | L8 AR-1262-1 | 8.095 | 6.945 | 23709378 | 15226146 | 223.042 | 177.951 | |
| 37) | L8 AR-1262-2 | 8.415 | 7.205 | 43743345 | 12488782 | 220.500 | 182.413 | |
| 38) | L8 AR-1262-3 | 8.737 | 7.728 | 26257171 | 6907710 | 199.308 | 113.757 | # |
| 39) | L8 AR-1262-4 | 8.806 | 7.792 | 15776574 | 20963428 | 165.001 | 210.885 | # |
| 40) | L8 AR-1262-5 | 9.472 | 8.293 | 11555188 | 7670514 | 177.591 | 163.649 | |
| 41) | L9 AR-1268-1 | 8.737 | 7.728 | 26257171 | 6907710 | 111.492 | 40.301 | # |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 | |
|---|---|---|---|---|---|---|---|---|
| 42) L9 | AR-1268-2 | 8.806 | 7.792 | 15776574 | 20963428 | 80.775 | 146.308 | # |
| 43) L9 | AR-1268-3 | 0.000 | 8.001 | 0 | 412782 | N.D. | 3.352 | # |
| 44) L9 | AR-1268-4 | 9.472 | 8.293 | 11555188 | 7670514 | 163.331 | 145.239 | |
| 45) L9 | AR-1268-5 | 9.890 | 8.596 | 2482779 | 969431 | 5.214 | 2.679 | # |

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

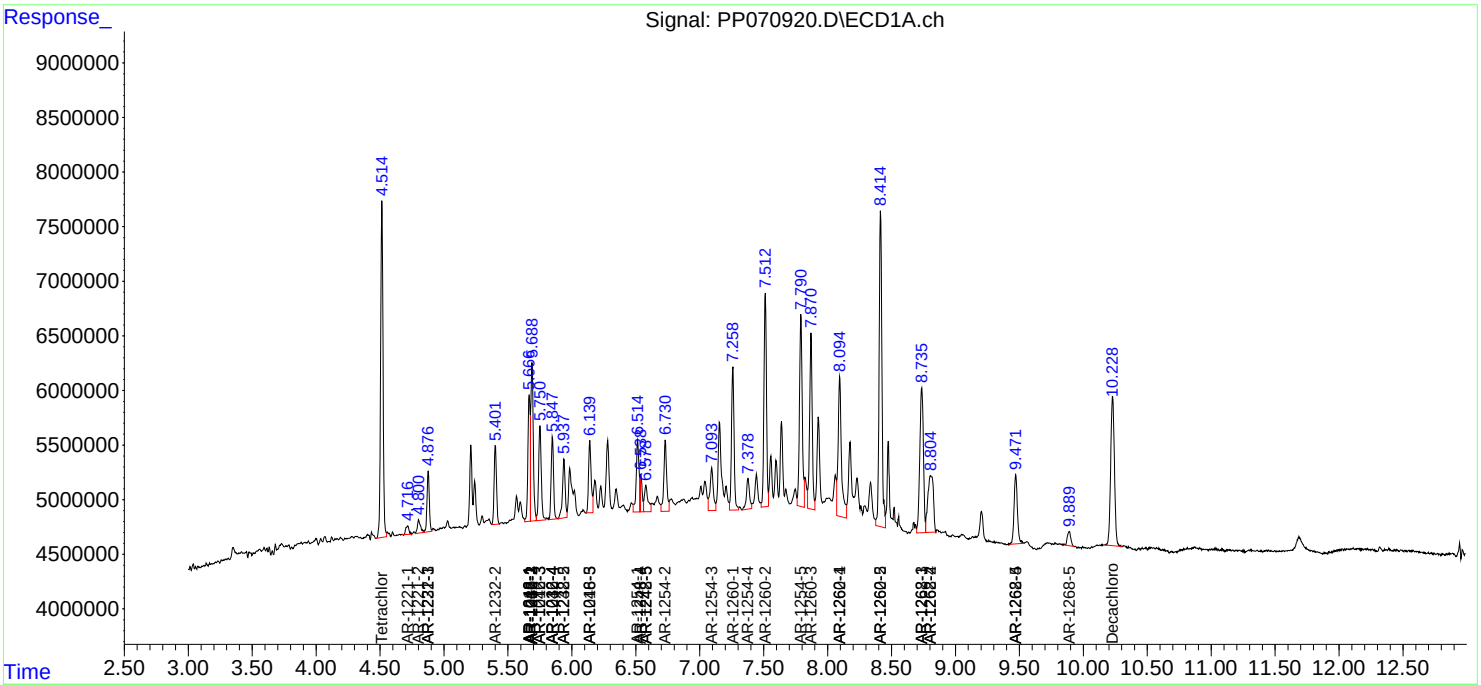
Quantitation Report (Not Reviewed)

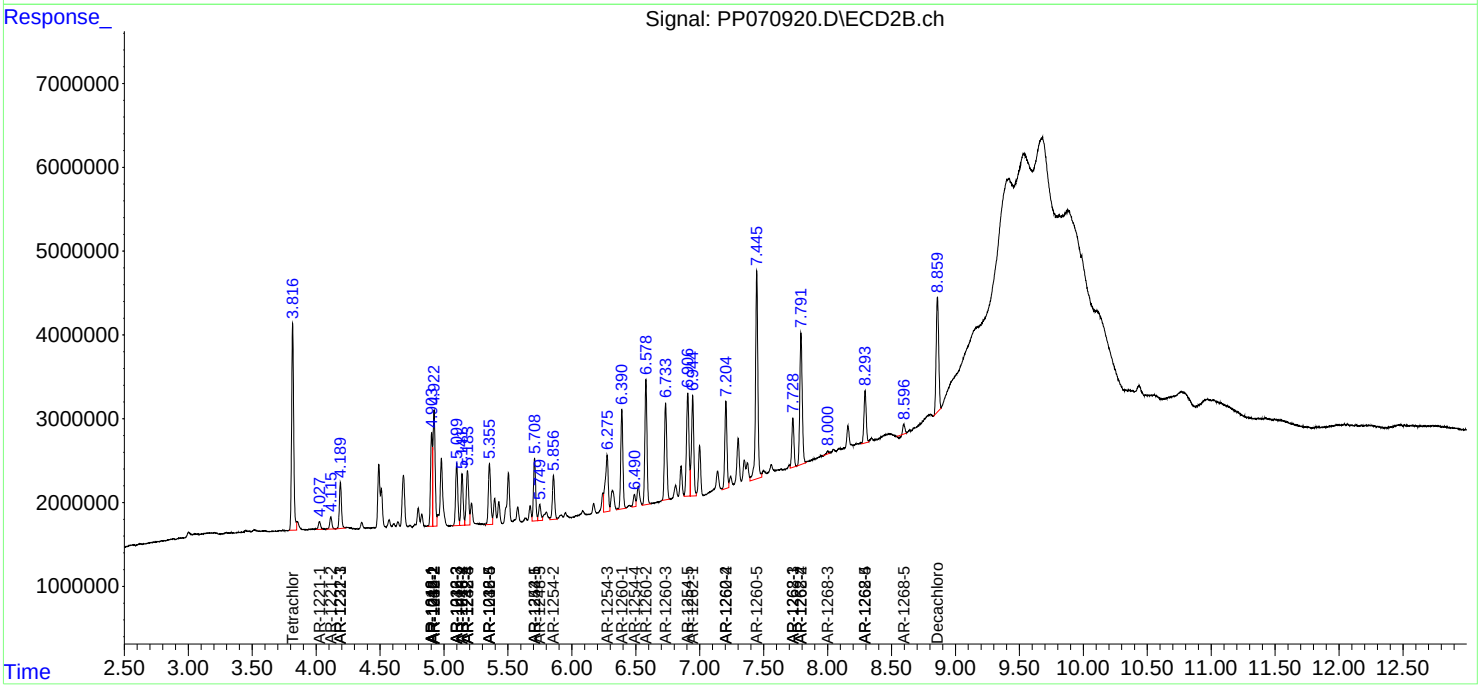
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

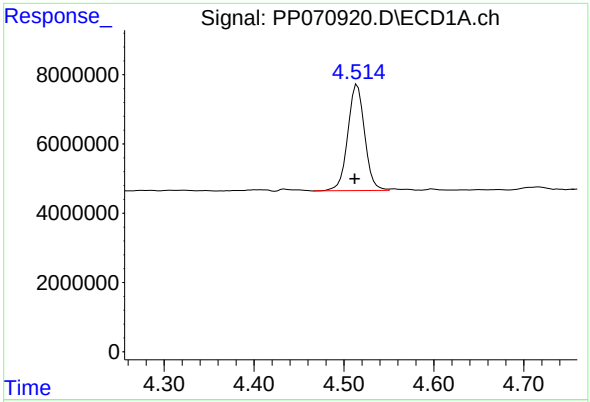
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:02:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



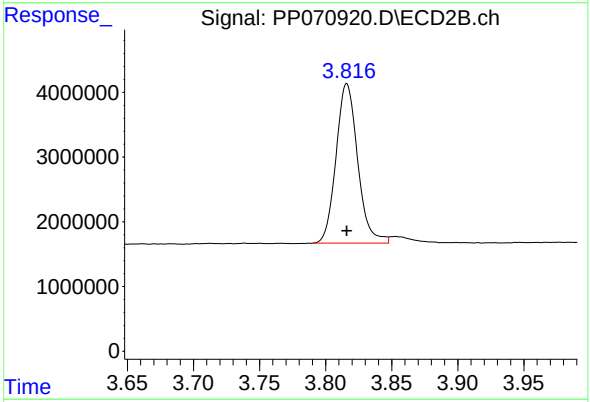






#1 Tetrachloro-m-xylene

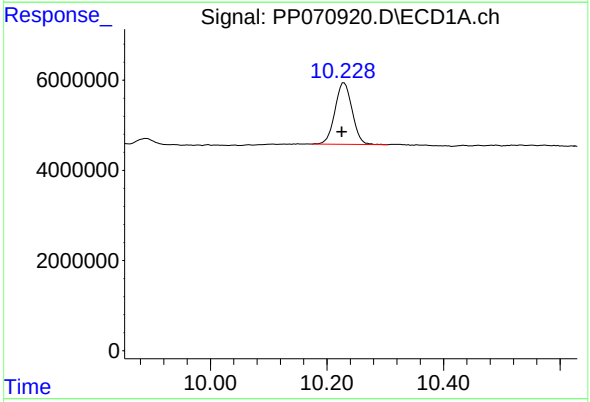
R.T.: 4.515 min
Delta R.T.: 0.003 min
Response: 39892911
Conc: 27.29 ng/ml

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



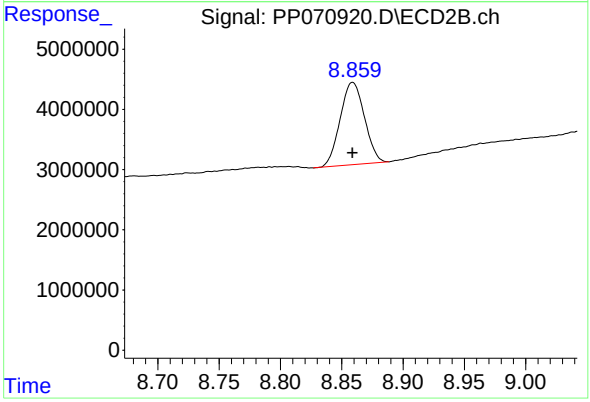

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 28120307
Conc: 27.13 ng/ml



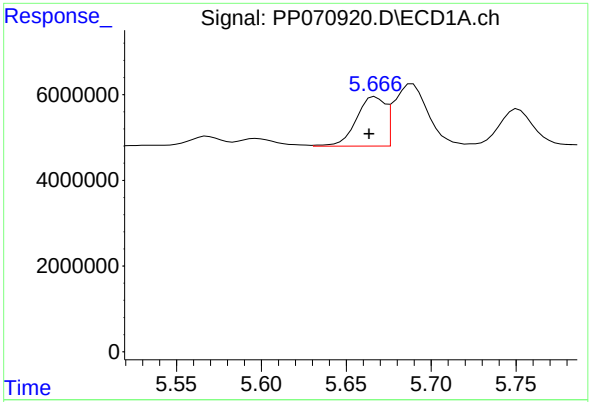

#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: 0.004 min
Response: 27877719
Conc: 26.48 ng/ml




#2 Decachlorobiphenyl

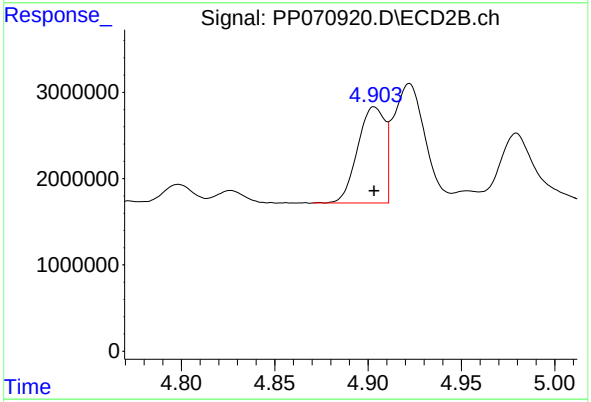
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 18839232
Conc: 23.90 ng/ml




#3 AR-1016-1

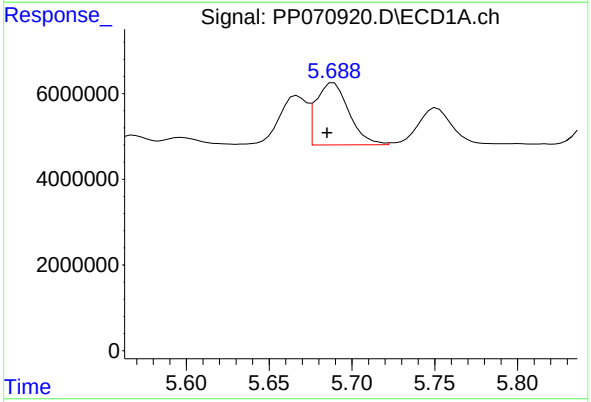
R.T.: 5.667 min
Delta R.T.: 0.004 min
Response: 13581167
Conc: 267.08 ng/ml

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



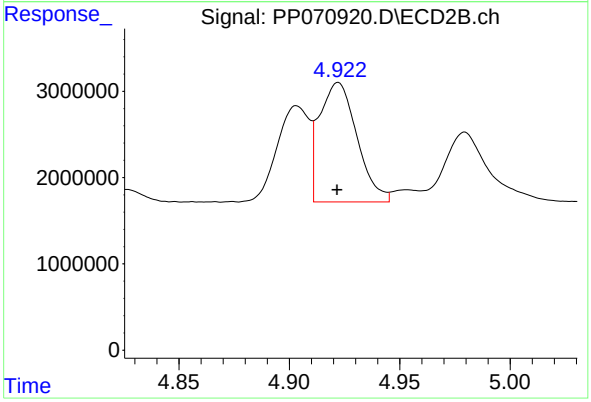

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 11323714
Conc: 282.47 ng/ml



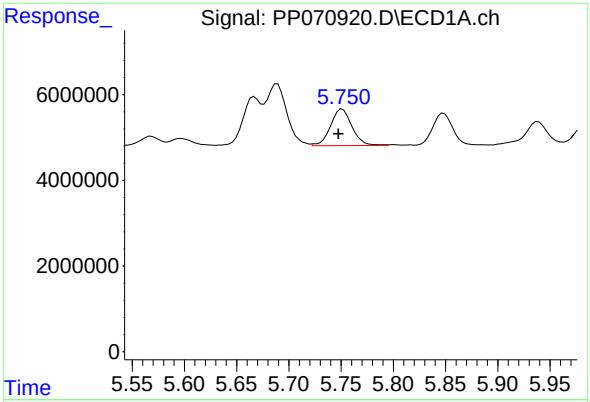

#4 AR-1016-2

R.T.: 5.689 min
Delta R.T.: 0.004 min
Response: 20108471
Conc: 257.62 ng/ml




#4 AR-1016-2

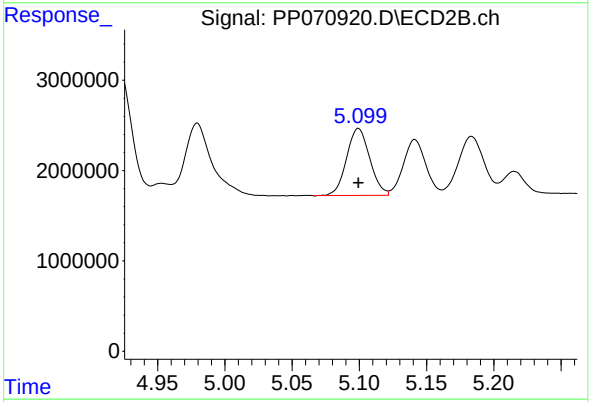
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16375760
Conc: 283.00 ng/ml




#5 AR-1016-3

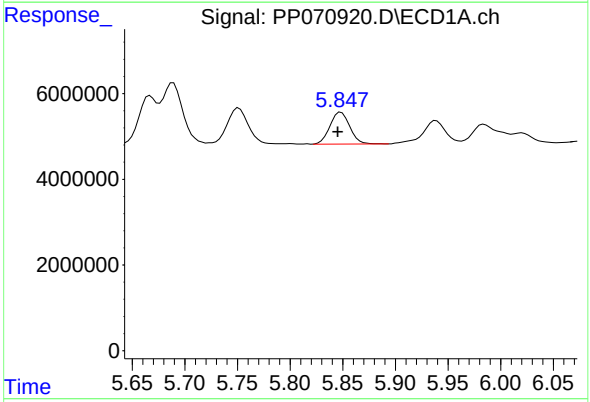
R.T.: 5.751 min
Delta R.T.: 0.004 min
Response: 12212490
Conc: 258.88 ng/ml

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



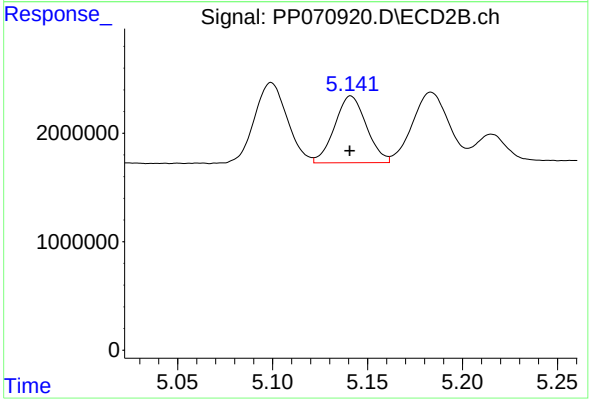

#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 8877034
Conc: 287.07 ng/ml



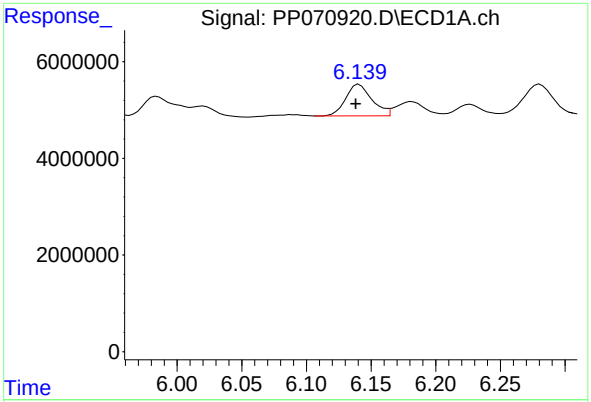

#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 9803037
Conc: 266.71 ng/ml




#6 AR-1016-4

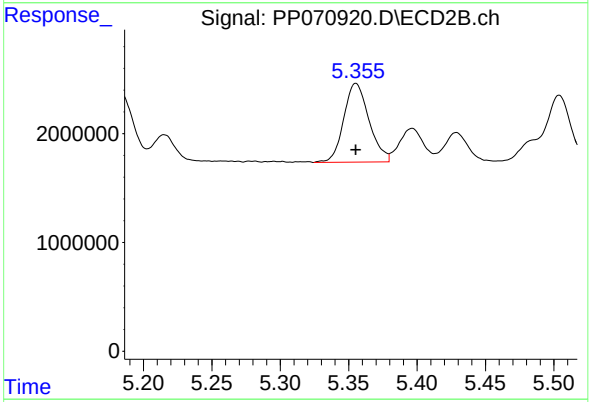
R.T.: 5.141 min
Delta R.T.: 0.000 min
Response: 7158830
Conc: 293.93 ng/ml




#7 AR-1016-5

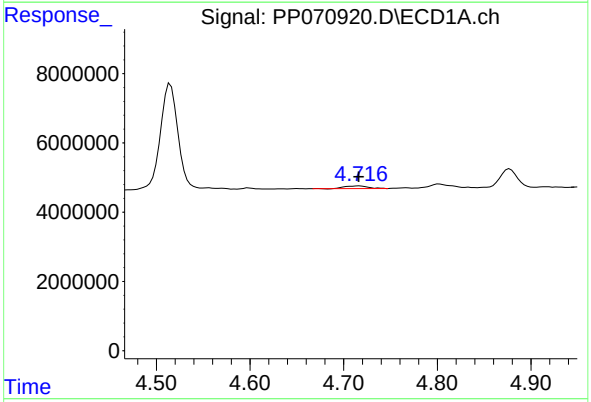
R.T.: 6.141 min
Delta R.T.: 0.003 min
Response: 9152735
Conc: 269.90 ng/ml

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



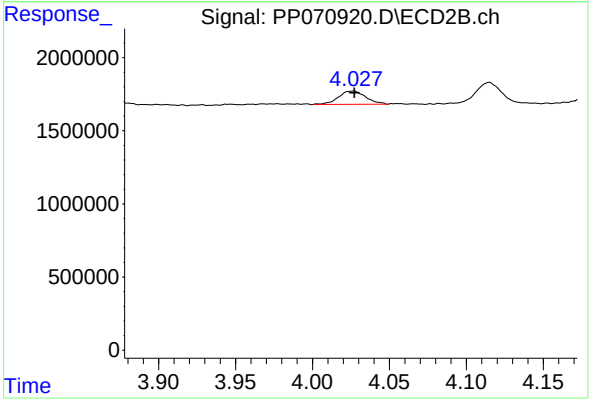

#7 AR-1016-5

R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 9323046
Conc: 288.45 ng/ml



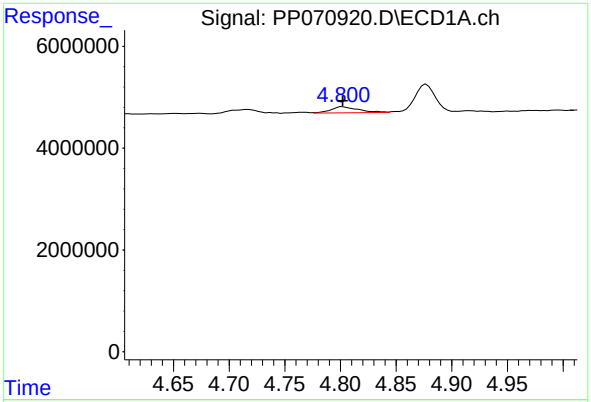

#8 AR-1221-1

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 1321625
Conc: 76.16 ng/ml




#8 AR-1221-1

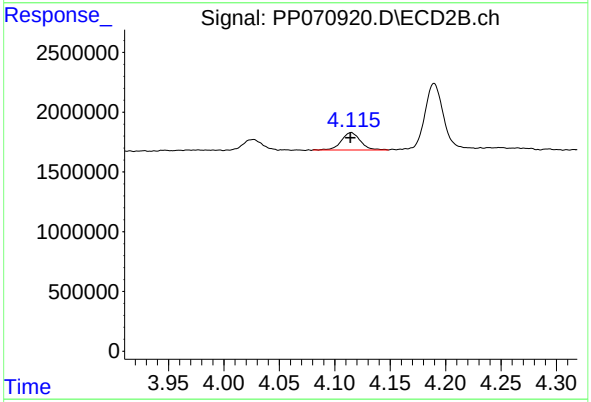
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 1122384
Conc: 73.63 ng/ml




#9 AR-1221-2

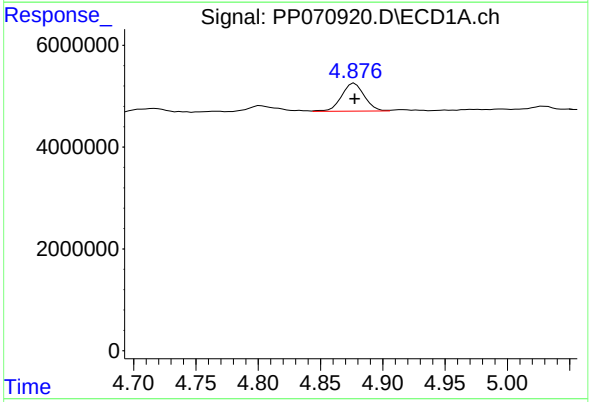
R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 2090814
Conc: 161.42 ng/ml

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



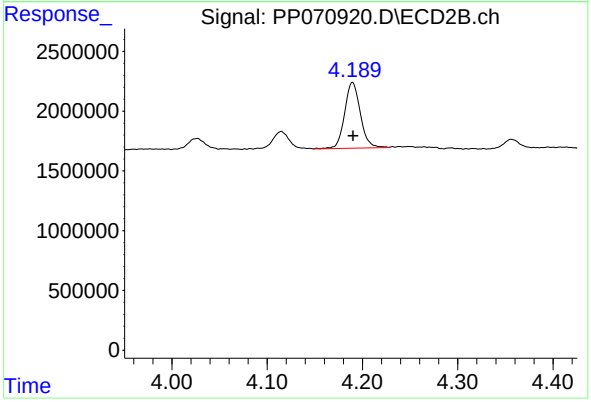

#9 AR-1221-2

R.T.: 4.115 min
Delta R.T.: 0.000 min
Response: 1735253
Conc: 151.73 ng/ml



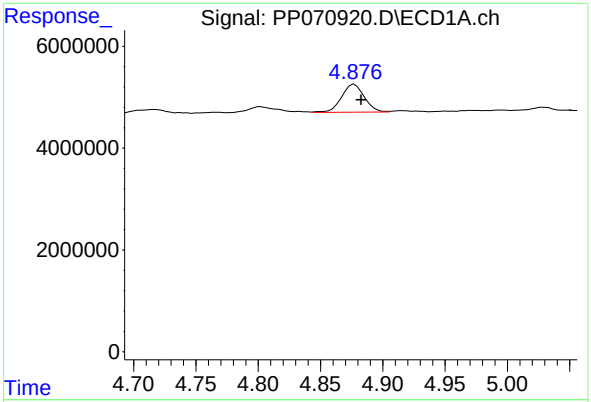

#10 AR-1221-3

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 7052777
Conc: 169.06 ng/ml




#10 AR-1221-3

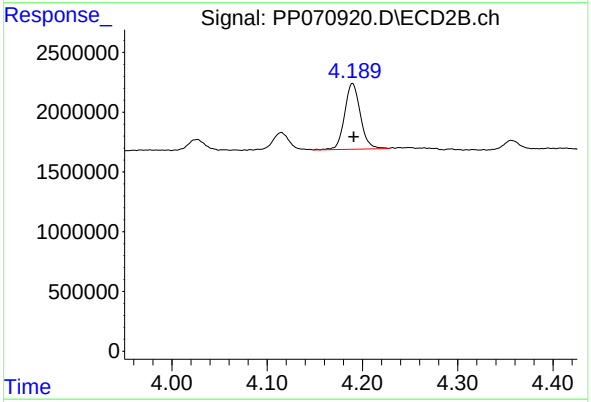
R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 6326573
Conc: 185.59 ng/ml




#11 AR-1232-1

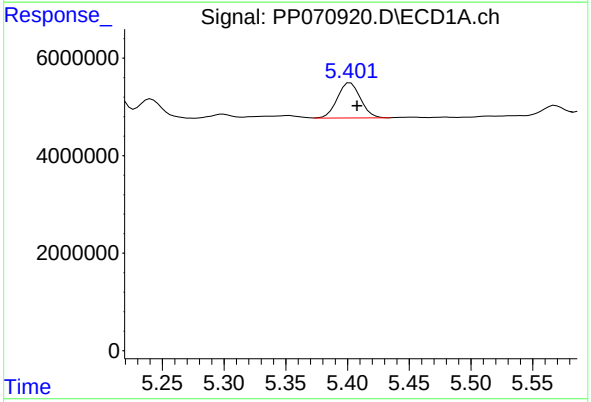
R.T.: 4.877 min
Delta R.T.: -0.005 min
Response: 7052777
Conc: 211.87 ng/ml

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



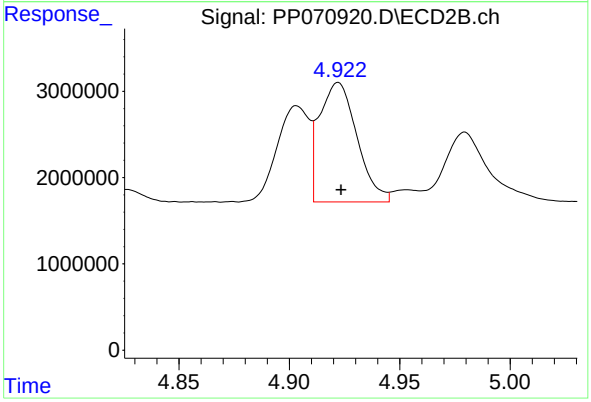

#11 AR-1232-1

R.T.: 4.190 min
Delta R.T.: -0.001 min
Response: 6326573
Conc: 226.06 ng/ml



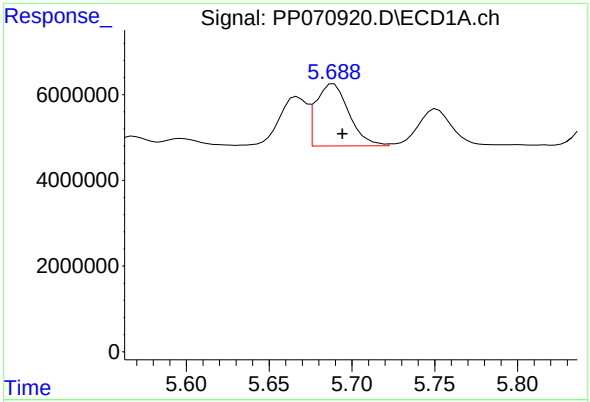

#12 AR-1232-2

R.T.: 5.402 min
Delta R.T.: -0.005 min
Response: 9379837
Conc: 589.54 ng/ml




#12 AR-1232-2

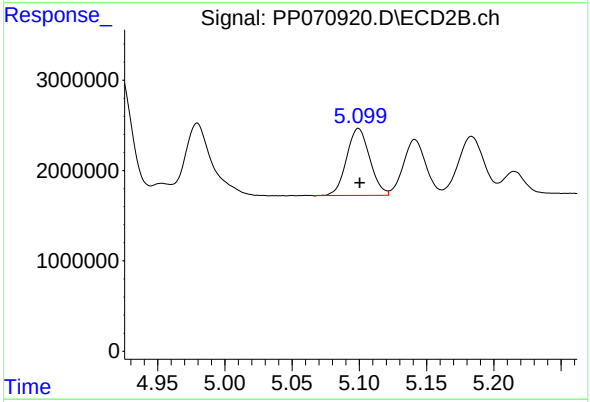
R.T.: 4.922 min
Delta R.T.: -0.001 min
Response: 16375760
Conc: 583.57 ng/ml




#13 AR-1232-3

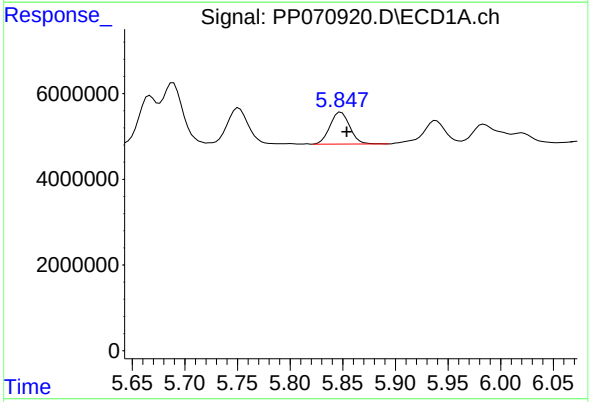
R.T.: 5.689 min
Delta R.T.: -0.005 min
Response: 20108471
Conc: 586.76 ng/ml

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



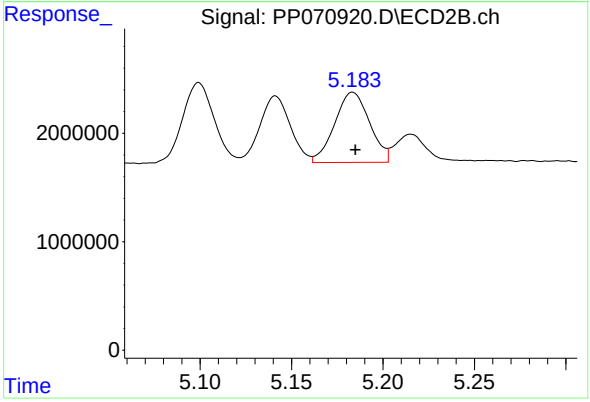

#13 AR-1232-3

R.T.: 5.099 min
Delta R.T.: -0.001 min
Response: 8877034
Conc: 596.19 ng/ml



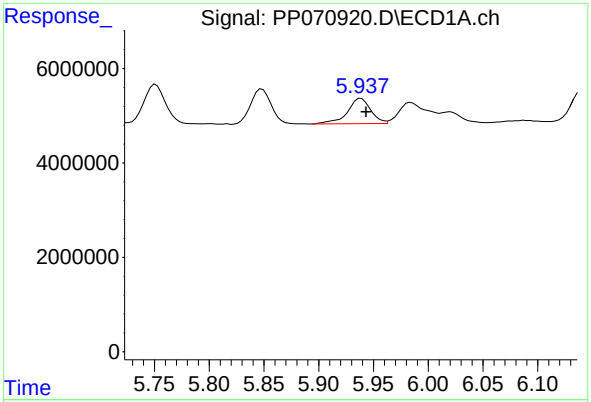

#14 AR-1232-4

R.T.: 5.848 min
Delta R.T.: -0.006 min
Response: 9803037
Conc: 624.10 ng/ml




#14 AR-1232-4

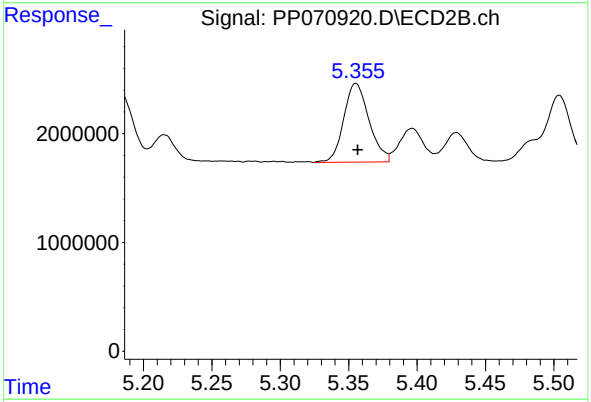
R.T.: 5.183 min
Delta R.T.: -0.001 min
Response: 8604427
Conc: 671.99 ng/ml




#15 AR-1232-5

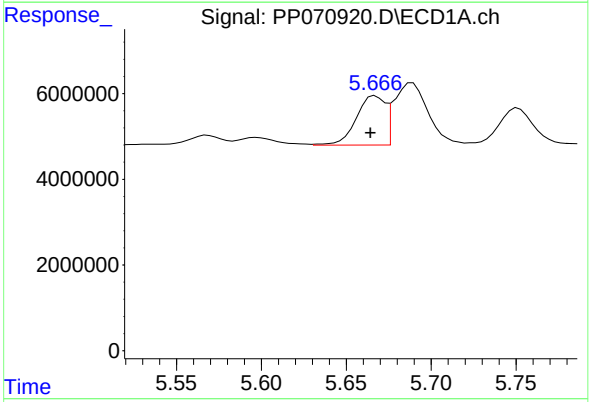
R.T.: 5.939 min
Delta R.T.: -0.005 min
Response: 7957300
Conc: 747.84 ng/ml

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



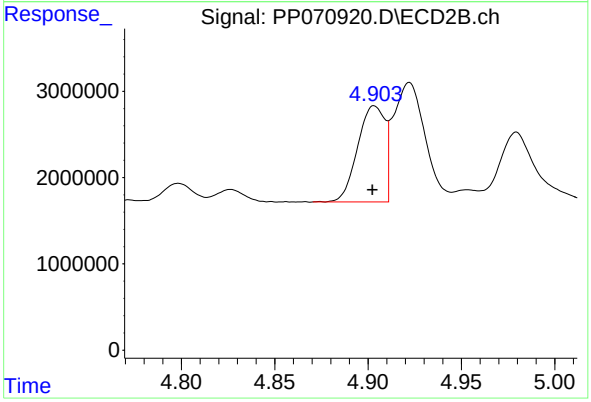

#15 AR-1232-5

R.T.: 5.355 min
Delta R.T.: -0.001 min
Response: 9323046
Conc: 657.72 ng/ml



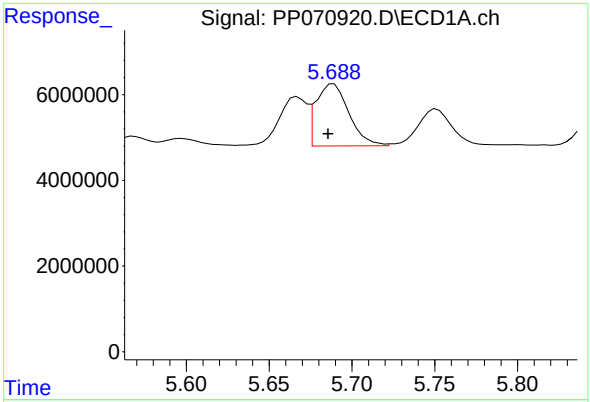

#16 AR-1242-1

R.T.: 5.667 min
Delta R.T.: 0.003 min
Response: 13581167
Conc: 308.82 ng/ml




#16 AR-1242-1

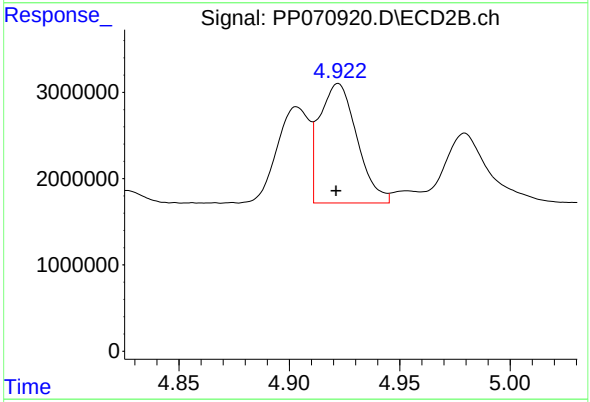
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 11323714
Conc: 331.14 ng/ml




#17 AR-1242-2

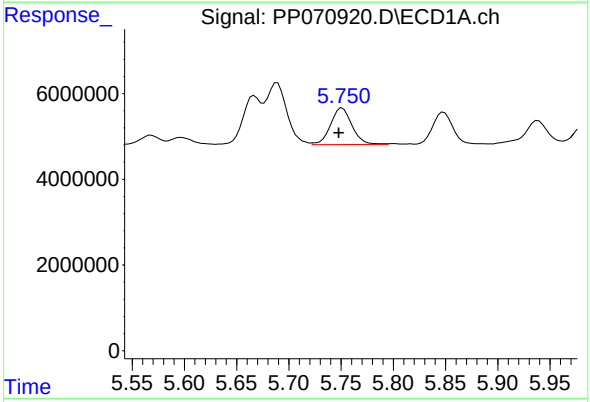
R.T.: 5.689 min
Delta R.T.: 0.003 min
Response: 20108471
Conc: 312.65 ng/ml

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



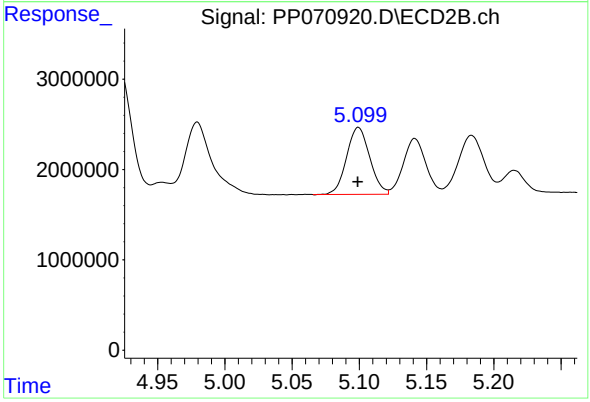

#17 AR-1242-2

R.T.: 4.922 min
Delta R.T.: 0.001 min
Response: 16375760
Conc: 332.45 ng/ml



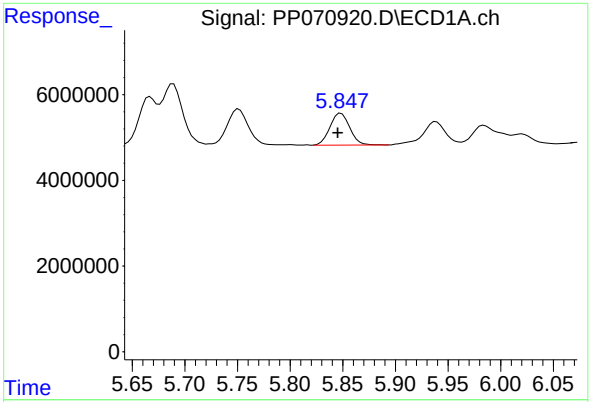

#18 AR-1242-3

R.T.: 5.751 min
Delta R.T.: 0.003 min
Response: 12212490
Conc: 297.58 ng/ml




#18 AR-1242-3

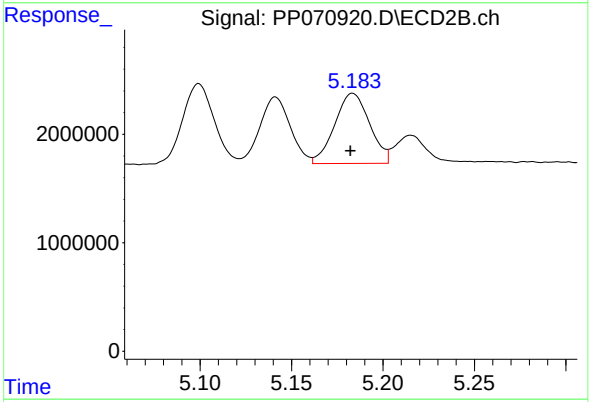
R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 8877034
Conc: 333.17 ng/ml




#19 AR-1242-4

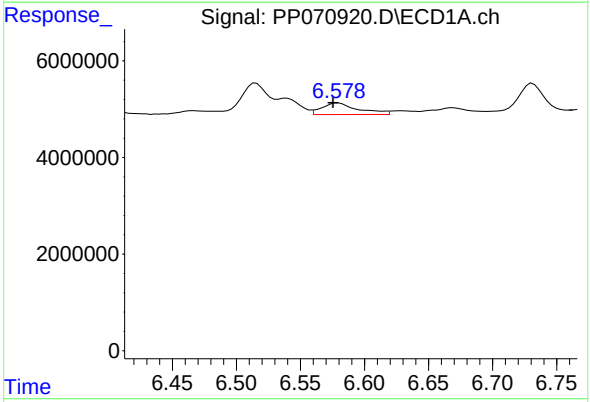
R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 9803037
Conc: 321.17 ng/ml

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



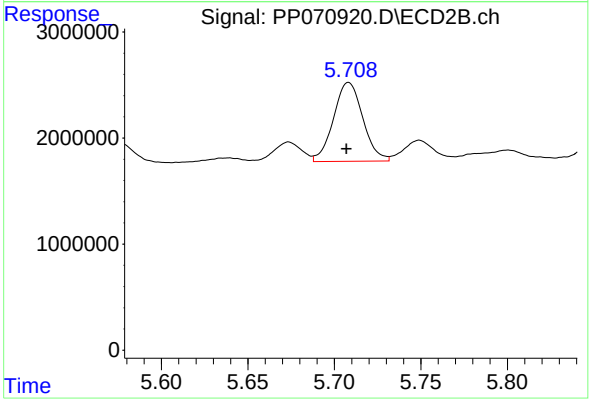

#19 AR-1242-4

R.T.: 5.183 min
Delta R.T.: 0.001 min
Response: 8604427
Conc: 326.19 ng/ml



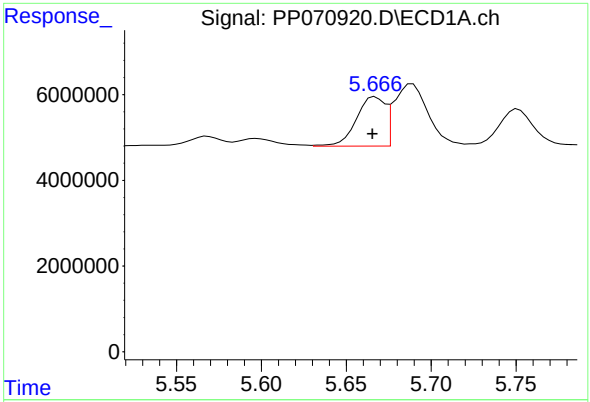

#20 AR-1242-5

R.T.: 6.579 min
Delta R.T.: 0.004 min
Response: 4761571
Conc: 130.42 ng/ml




#20 AR-1242-5

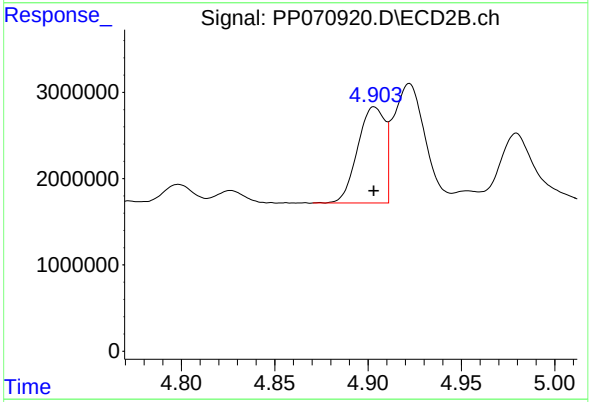
R.T.: 5.708 min
Delta R.T.: 0.001 min
Response: 8766943
Conc: 283.19 ng/ml




#21 AR-1248-1

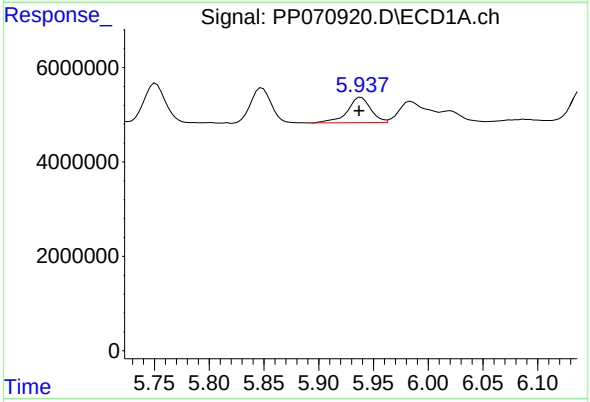
R.T.: 5.667 min
Delta R.T.: 0.002 min
Response: 13581167
Conc: 374.27 ng/ml

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



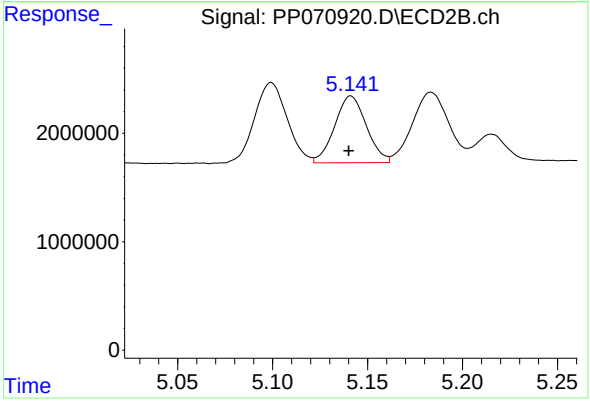

#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 11323714
Conc: 418.16 ng/ml



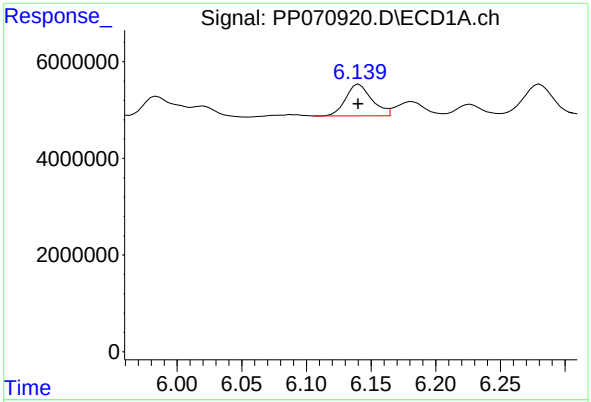

#22 AR-1248-2

R.T.: 5.939 min
Delta R.T.: 0.002 min
Response: 7957300
Conc: 177.07 ng/ml




#22 AR-1248-2

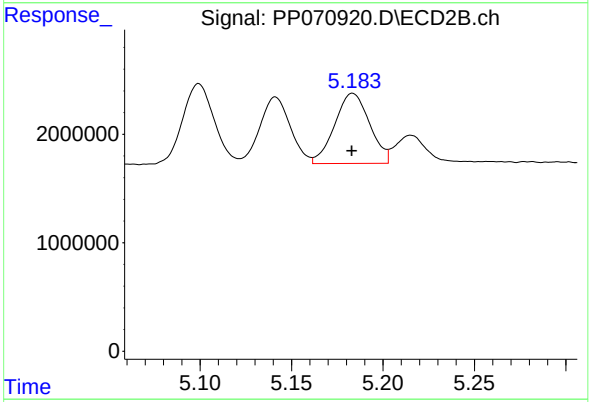
R.T.: 5.141 min
Delta R.T.: 0.001 min
Response: 7158830
Conc: 194.94 ng/ml




#23 AR-1248-3

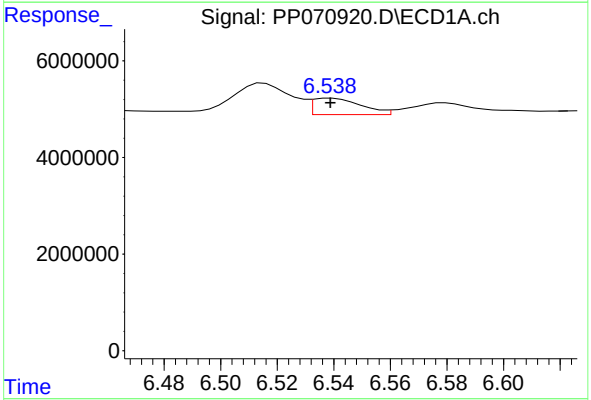
R.T.: 6.141 min
Delta R.T.: 0.000 min
Response: 9152735
Conc: 180.75 ng/ml

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



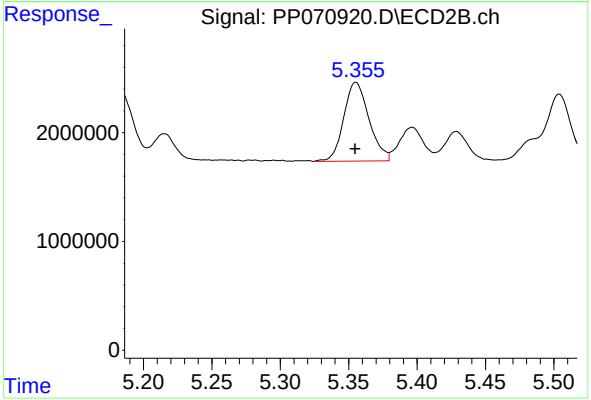

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 8604427
Conc: 222.57 ng/ml



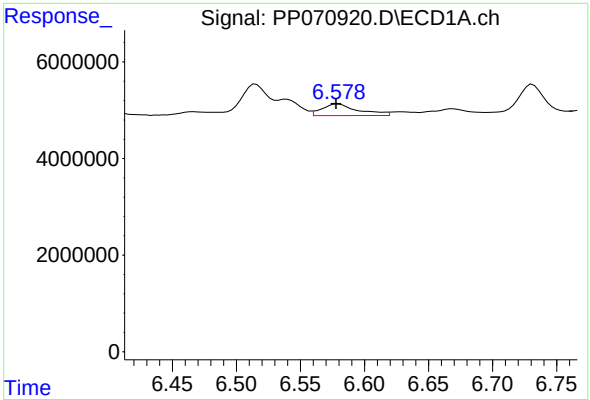

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 4049391
Conc: 63.13 ng/ml




#24 AR-1248-4

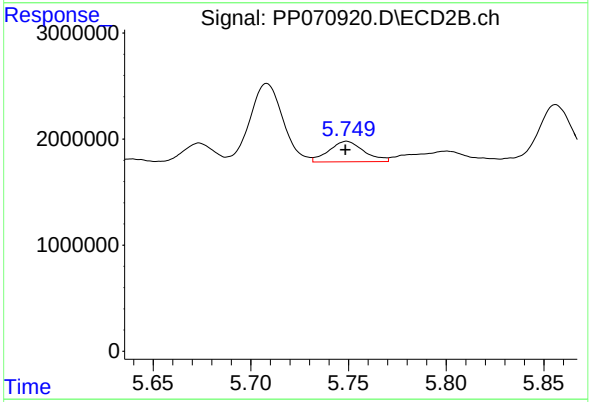
R.T.: 5.355 min
Delta R.T.: 0.000 min
Response: 9323046
Conc: 206.53 ng/ml




#25 AR-1248-5

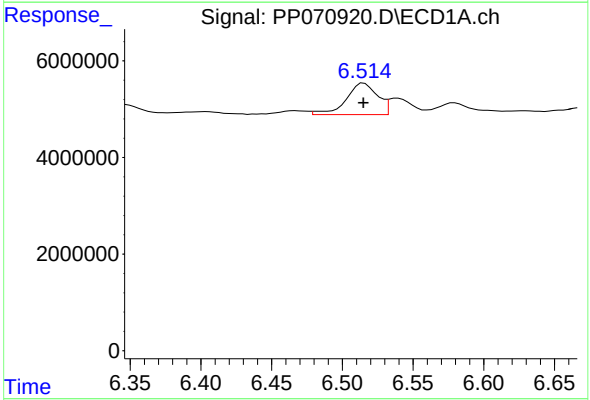
R.T.: 6.579 min
Delta R.T.: 0.002 min
Response: 4761571
Conc: 78.26 ng/ml

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



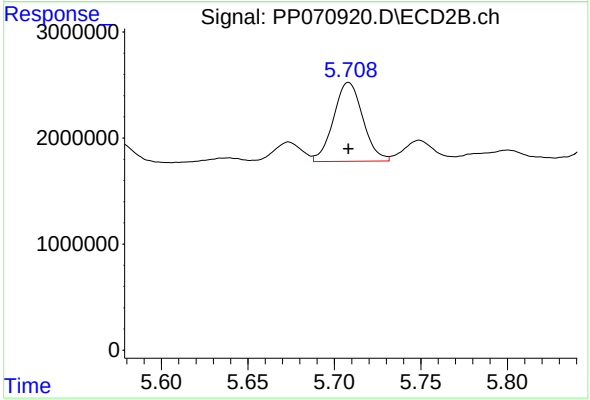

#25 AR-1248-5

R.T.: 5.749 min
Delta R.T.: 0.000 min
Response: 2416322
Conc: 56.62 ng/ml



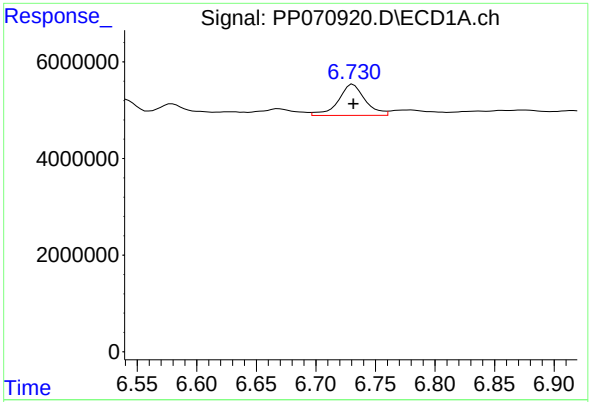

#26 AR-1254-1

R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 10069870
Conc: 156.39 ng/ml




#26 AR-1254-1

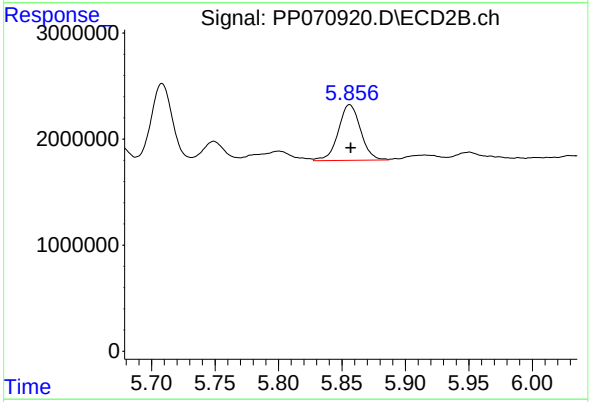
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 8766943
Conc: 132.80 ng/ml




#27 AR-1254-2

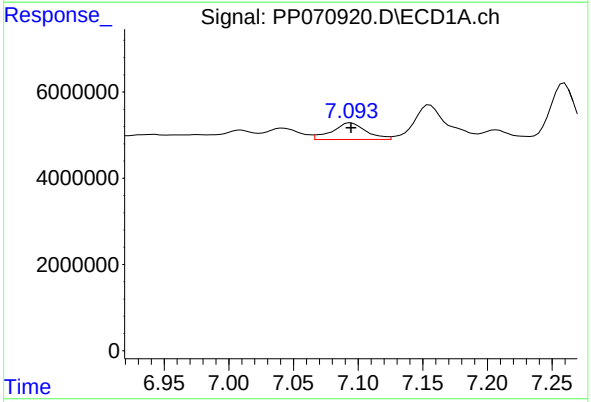
R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 10106718
Conc: 99.98 ng/ml

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



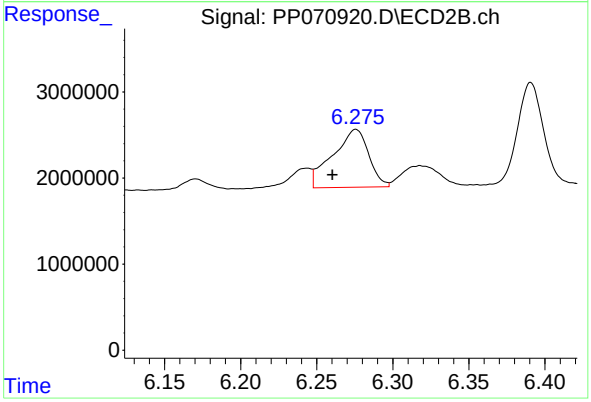

#27 AR-1254-2

R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 6407649
Conc: 112.22 ng/ml



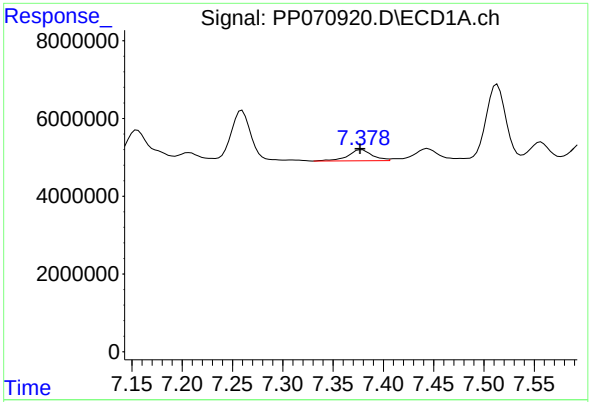

#28 AR-1254-3

R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 7072472
Conc: 70.92 ng/ml




#28 AR-1254-3

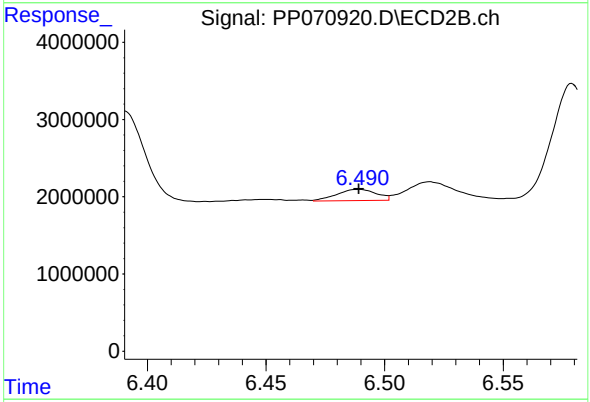
R.T.: 6.276 min
Delta R.T.: 0.016 min
Response: 11091003
Conc: 127.72 ng/ml




#29 AR-1254-4

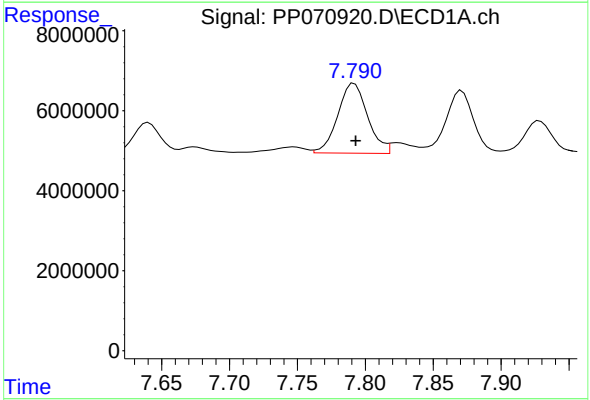
R.T.: 7.379 min
Delta R.T.: 0.002 min
Response: 4686448
Conc: 54.12 ng/ml

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



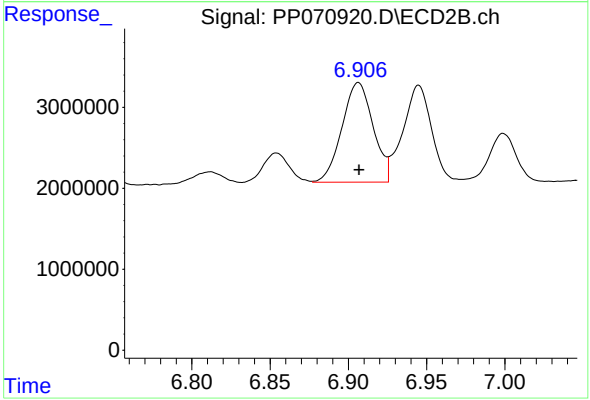

#29 AR-1254-4

R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 1684678
Conc: 30.03 ng/ml



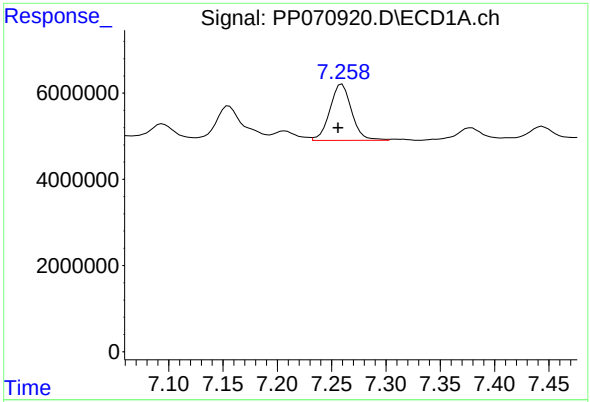

#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 26750553
Conc: 332.92 ng/ml




#30 AR-1254-5

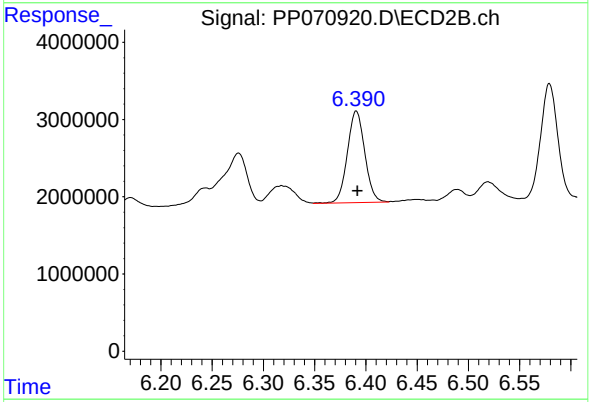
R.T.: 6.906 min
Delta R.T.: 0.000 min
Response: 17034582
Conc: 236.10 ng/ml




#31 AR-1260-1

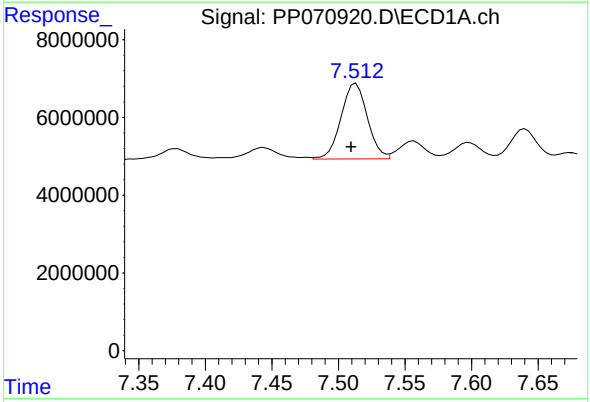
R.T.: 7.260 min
Delta R.T.: 0.004 min
Response: 18182257
Conc: 270.76 ng/ml

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



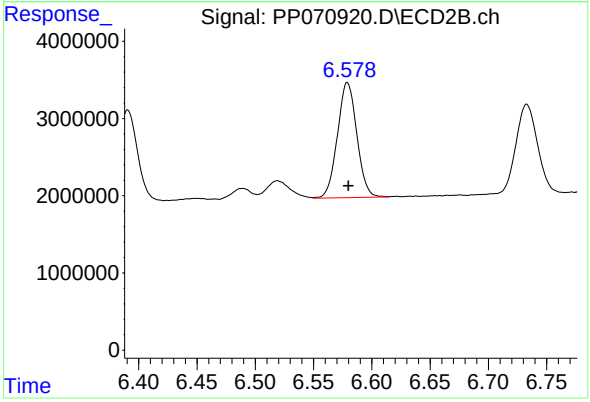

#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: -0.001 min
Response: 14056672
Conc: 274.51 ng/ml



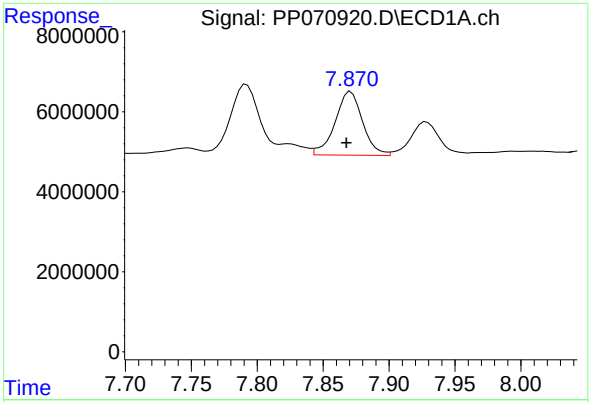

#32 AR-1260-2

R.T.: 7.513 min
Delta R.T.: 0.004 min
Response: 26780079
Conc: 278.56 ng/ml




#32 AR-1260-2

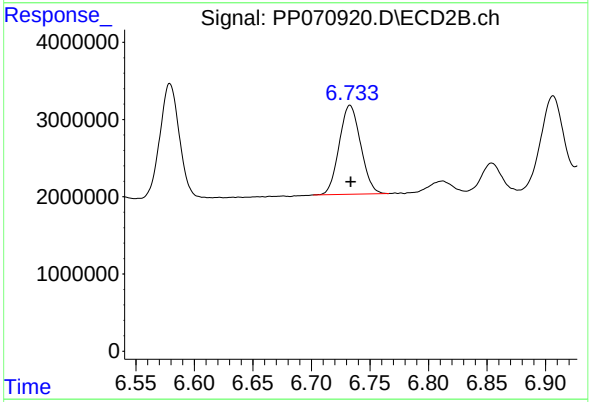
R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 17295947
Conc: 271.12 ng/ml




#33 AR-1260-3

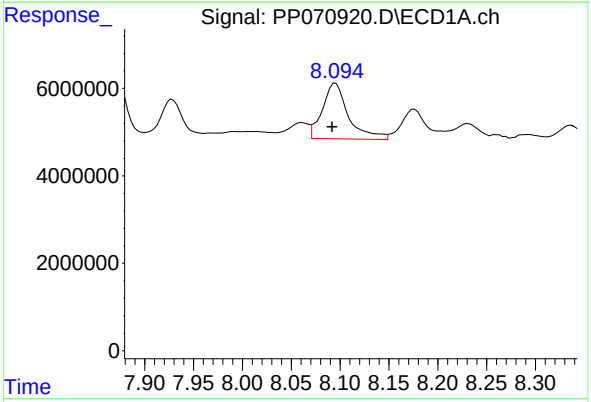
R.T.: 7.871 min
Delta R.T.: 0.003 min
Response: 23122222
Conc: 289.32 ng/ml

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



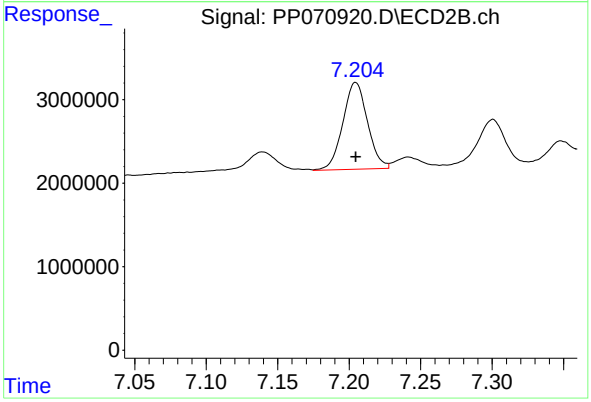

#33 AR-1260-3

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 14684885
Conc: 269.51 ng/ml



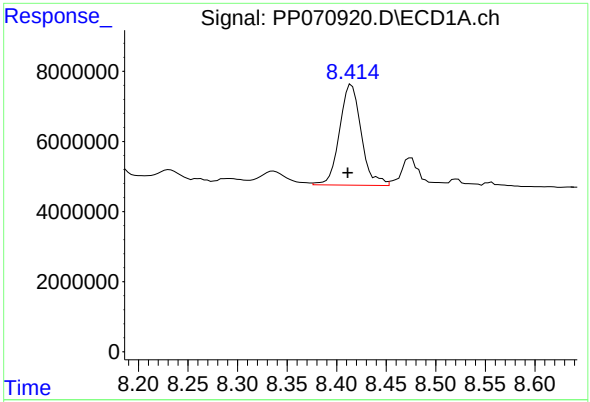

#34 AR-1260-4

R.T.: 8.095 min
Delta R.T.: 0.004 min
Response: 23709378
Conc: 301.12 ng/ml




#34 AR-1260-4

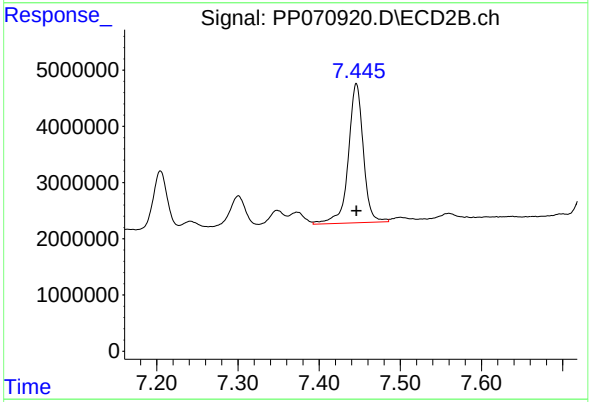
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 12488782
Conc: 261.13 ng/ml




#35 AR-1260-5

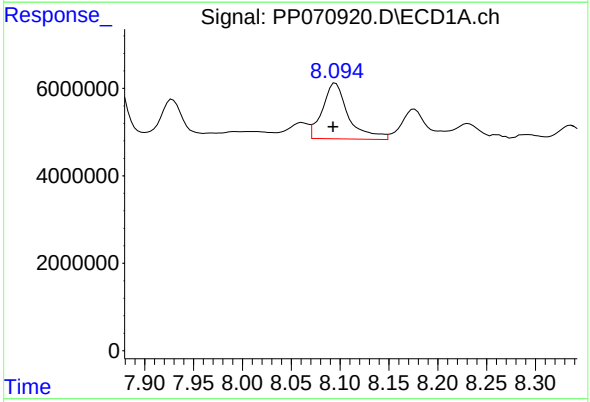
R.T.: 8.415 min
Delta R.T.: 0.004 min
Response: 43743345
Conc: 275.31 ng/ml

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



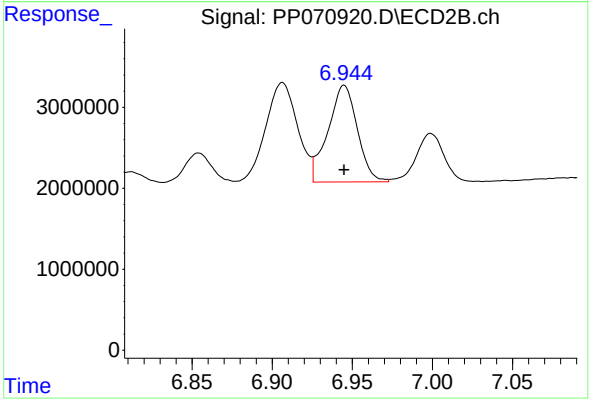

#35 AR-1260-5

R.T.: 7.446 min
Delta R.T.: 0.000 min
Response: 31815782
Conc: 255.53 ng/ml



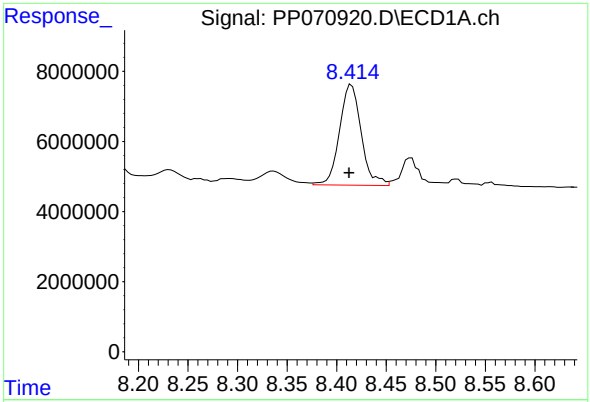

#36 AR-1262-1

R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 23709378
Conc: 223.04 ng/ml




#36 AR-1262-1

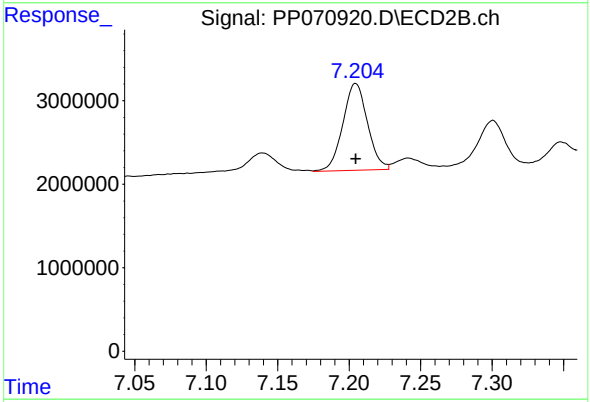
R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 15226146
Conc: 177.95 ng/ml




#37 AR-1262-2

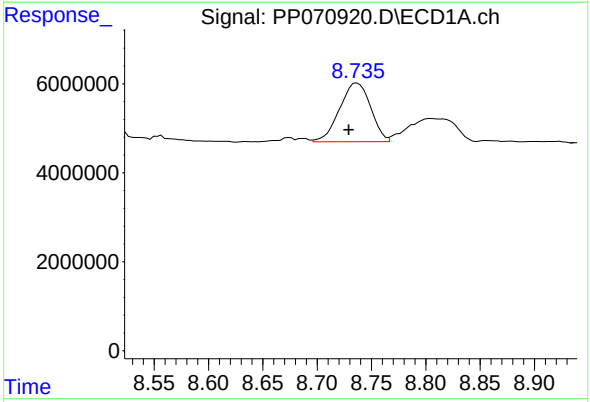
R.T.: 8.415 min
Delta R.T.: 0.003 min
Response: 43743345
Conc: 220.50 ng/ml

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



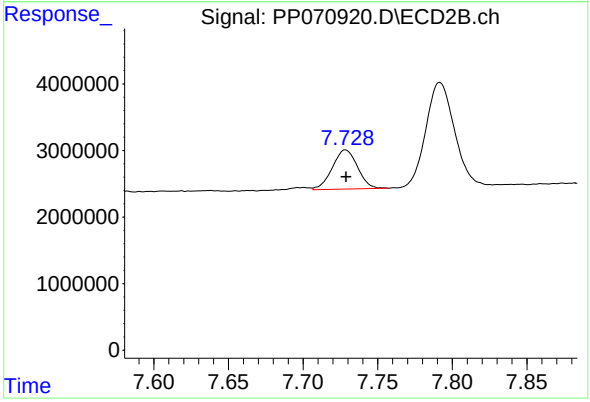

#37 AR-1262-2

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 12488782
Conc: 182.41 ng/ml



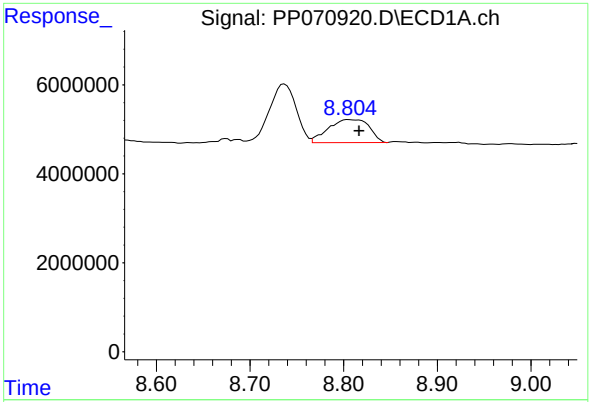

#38 AR-1262-3

R.T.: 8.737 min
Delta R.T.: 0.008 min
Response: 26257171
Conc: 199.31 ng/ml




#38 AR-1262-3

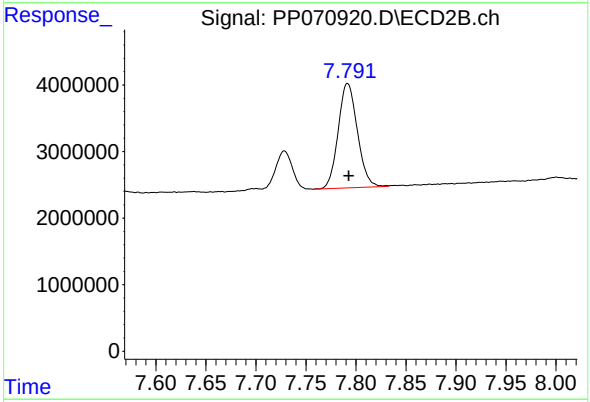
R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 6907710
Conc: 113.76 ng/ml




#39 AR-1262-4

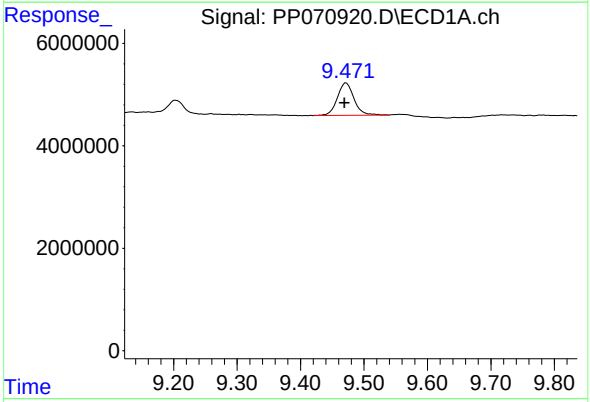
R.T.: 8.806 min
Delta R.T.: -0.011 min
Response: 15776574
Conc: 165.00 ng/ml

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



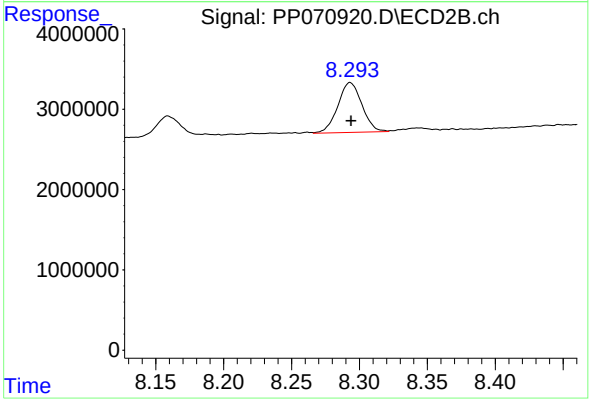

#39 AR-1262-4

R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 20963428
Conc: 210.89 ng/ml



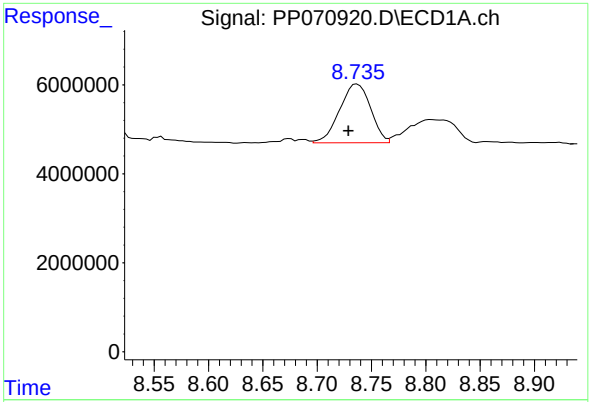

#40 AR-1262-5

R.T.: 9.472 min
Delta R.T.: 0.003 min
Response: 11555188
Conc: 177.59 ng/ml




#40 AR-1262-5

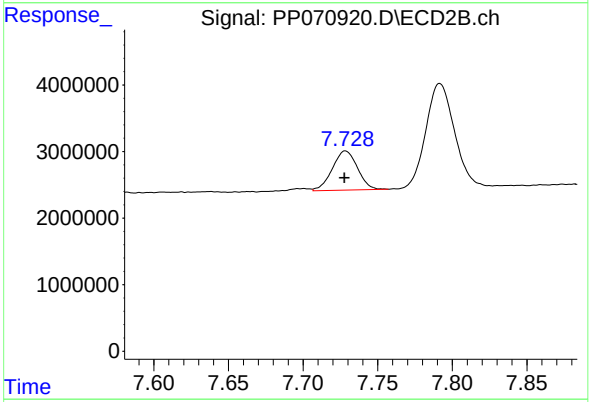
R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 7670514
Conc: 163.65 ng/ml




#41 AR-1268-1

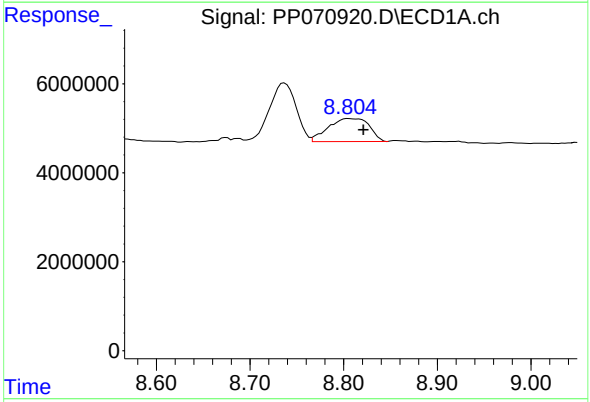
R.T.: 8.737 min
Delta R.T.: 0.008 min
Response: 26257171
Conc: 111.49 ng/ml

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



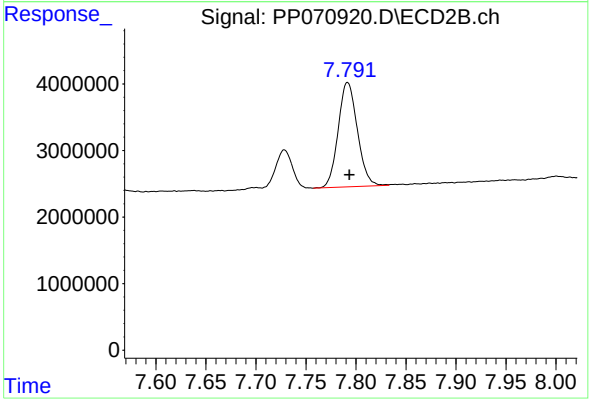

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 6907710
Conc: 40.30 ng/ml



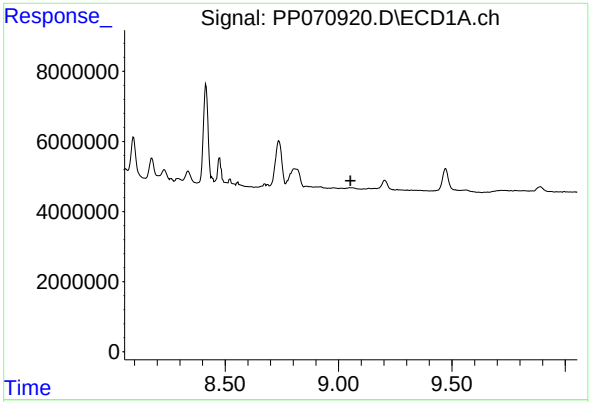

#42 AR-1268-2

R.T.: 8.806 min
Delta R.T.: -0.016 min
Response: 15776574
Conc: 80.77 ng/ml




#42 AR-1268-2

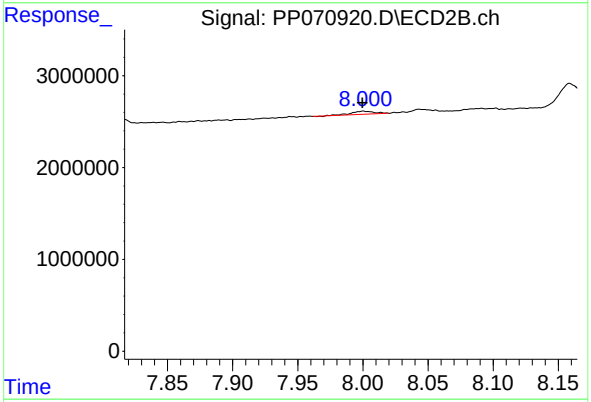
R.T.: 7.792 min
Delta R.T.: -0.002 min
Response: 20963428
Conc: 146.31 ng/ml




#43 AR-1268-3

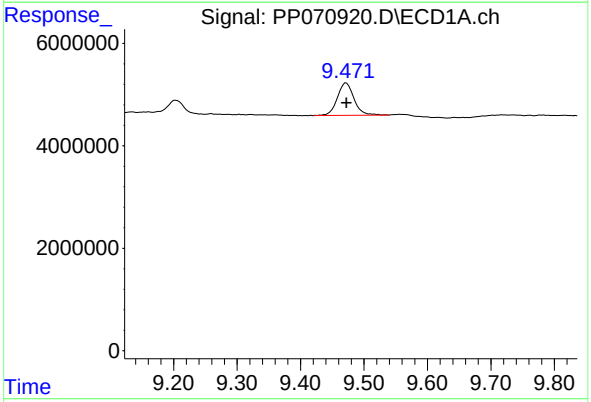
R.T.: 0.000 min
Exp R.T. : 9.053 min
Response: 0
Conc: N.D.

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



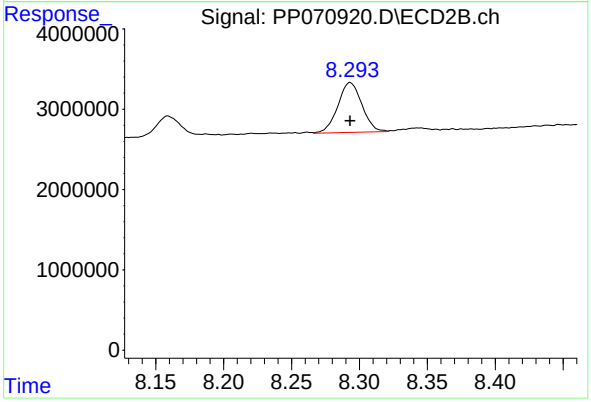

#43 AR-1268-3

R.T.: 8.001 min
Delta R.T.: 0.000 min
Response: 412782
Conc: 3.35 ng/ml



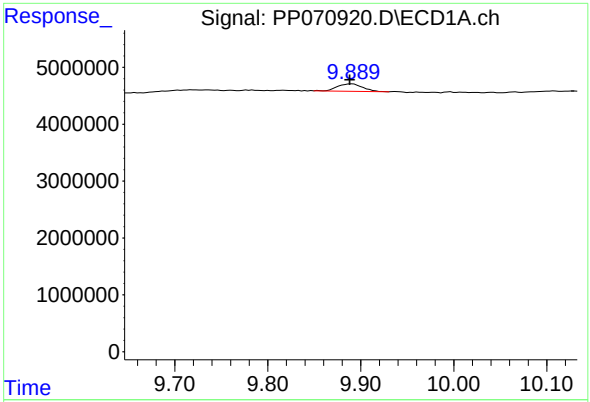

#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 11555188
Conc: 163.33 ng/ml




#44 AR-1268-4

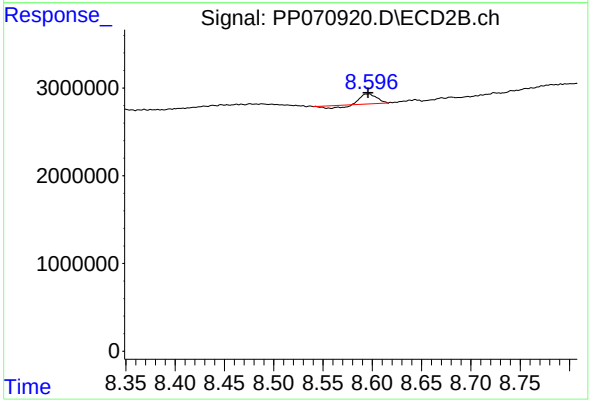
R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 7670514
Conc: 145.24 ng/ml




#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 min
Response: 2482779
Conc: 5.21 ng/ml

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




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 969431
Conc: 2.68 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:04:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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... | 4.513 | 3.816 | 6533335 | 5359624 | 4.470 | 5.170 | |
| 2) | SA Decachlor... | 10.230 | 8.858 | 4733739 | 3413055 | 4.497 | 4.330 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.666 | 4.903 | 2617394 | 2265971 | 51.472 | 56.525 | |
| 4) | L1 AR-1016-2 | 5.688 | 4.922 | 4198554 | 3321854 | 53.791 | 57.407 | |
| 5) | L1 AR-1016-3 | 5.751 | 5.099 | 2631097 | 1626306 | 55.774 | 52.592 | |
| 6) | L1 AR-1016-4 | 5.848 | 5.140 | 1614372 | 1232754 | 43.922 | 50.614 | |
| 7) | L1 AR-1016-5 | 6.140 | 5.356 | 1323106 | 1866333 | 39.016 | 57.743 | # |
| 8) | L2 AR-1221-1 | 4.717 | 4.024 | 421830 | 114713 | 24.308 | 7.525 | # |
| 9) | L2 AR-1221-2 | 4.801 | 4.115 | 218742 | 388578 | 16.887 | 33.978 | # |
| 10) | L2 AR-1221-3 | 4.877 | 4.189 | 1349629 | 1162778 | 32.352 | 34.110 | |
| 11) | L3 AR-1232-1 | 4.877 | 4.189 | 1349629 | 1162778 | 40.543 | 41.548 | |
| 12) | L3 AR-1232-2 | 5.401 | 4.922 | 1794886 | 3321854 | 112.813 | 118.379 | |
| 13) | L3 AR-1232-3 | 5.688 | 5.099 | 4198554 | 1626306 | 122.513 | 109.224 | |
| 14) | L3 AR-1232-4 | 5.848 | 5.183 | 1614372 | 1568895 | 102.777 | 122.528 | |
| 15) | L3 AR-1232-5 | 5.935 | 5.356 | 1663453 | 1866333 | 156.334 | 131.666 | |
| 16) | L4 AR-1242-1 | 5.666 | 4.903 | 2617394 | 2265971 | 59.517 | 66.265 | |
| 17) | L4 AR-1242-2 | 5.688 | 4.922 | 4198554 | 3321854 | 65.280 | 67.438 | |
| 18) | L4 AR-1242-3 | 5.751 | 5.099 | 2631097 | 1626306 | 64.111 | 61.038 | |
| 19) | L4 AR-1242-4 | 5.848 | 5.183 | 1614372 | 1568895 | 52.890 | 59.477 | |
| 20) | L4 AR-1242-5 | 6.582 | 5.708 | 1738801 | 1466013 | 47.625 | 47.354 | |
| 21) | L5 AR-1248-1 | 5.666 | 4.903 | 2617394 | 2265971 | 72.129 | 83.677 | |
| 22) | L5 AR-1248-2 | 5.935 | 5.140 | 1663453 | 1232754 | 37.016 | 33.569 | |
| 23) | L5 AR-1248-3 | 6.140 | 5.183 | 1323106 | 1568895 | 26.129 | 40.583 | # |
| 24) | L5 AR-1248-4 | 6.539 | 5.356 | 1621071 | 1866333 | 25.271 | 41.345 | # |
| 25) | L5 AR-1248-5 | 6.582 | 5.748 | 1738801 | 371096 | 28.577 | 8.695 | # |
| 26) | L6 AR-1254-1 | 6.515 | 5.708 | 3489366 | 1466013 | 54.191 | 22.206 | # |
| 27) | L6 AR-1254-2 | 6.731 | 5.857 | 4772204 | 1146779 | 47.207 | 20.084 | # |
| 28) | L6 AR-1254-3 | 7.095 | 6.275 | 7925059 | 3163207 | 79.467 | 36.425 | # |
| 29) | L6 AR-1254-4 | 7.380 | 6.490 | 1640237 | 349900 | 18.941 | 6.237 | # |
| 30) | L6 AR-1254-5 | 7.791 | 6.906 | 5692306 | 2994420 | 70.843 | 41.502 | # |
| 31) | L7 AR-1260-1 | 7.258 | 6.391 | 4772844 | 2989801 | 71.074 | 58.387 | |
| 32) | L7 AR-1260-2 | 7.512 | 6.579 | 5123964 | 3357287 | 53.299 | 52.627 | |
| 33) | L7 AR-1260-3 | 7.871 | 6.732 | 5463057 | 2827385 | 68.358 | 51.891 | |
| 34) | L7 AR-1260-4 | 8.095 | 7.205 | 9380427 | 2746307 | 119.136 | 57.423 | # |
| 35) | L7 AR-1260-5 | 8.414 | 7.445 | 11051960 | 7013440 | 69.559 | 56.328 | |
| 36) | L8 AR-1262-1 | 8.095 | 6.945 | 9380427 | 2613596 | 88.245 | 30.546 | # |
| 37) | L8 AR-1262-2 | 8.414 | 7.205 | 11051960 | 2746307 | 55.710 | 40.113 | # |
| 38) | L8 AR-1262-3 | 8.737 | 7.729 | 4423235 | 1556480 | 33.575 | 25.632 | |
| 39) | L8 AR-1262-4 | 8.806 | 7.792 | 1951193 | 3771123 | 20.407 | 37.936 | # |
| 40) | L8 AR-1262-5 | 9.470 | 8.292 | 1729860 | 1260427 | 26.586 | 26.891 | |
| 41) | L9 AR-1268-1 | 8.737 | 7.729 | 4423235 | 1556480 | 18.782 | 9.081 | # |

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:04:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 |
|---|---|---|---|---|---|---|---|
| 42) L9 | AR-1268-2 | 8.806 | 7.792 | 1951193 | 3771123 | 9.990 | 26.319 # |
| 43) L9 | AR-1268-3 | 0.000 | 8.026 | 0 | 152620 | N.D. | 1.239 # |
| 44) L9 | AR-1268-4 | 9.470 | 8.292 | 1729860 | 1260427 | 24.451 | 23.866 |

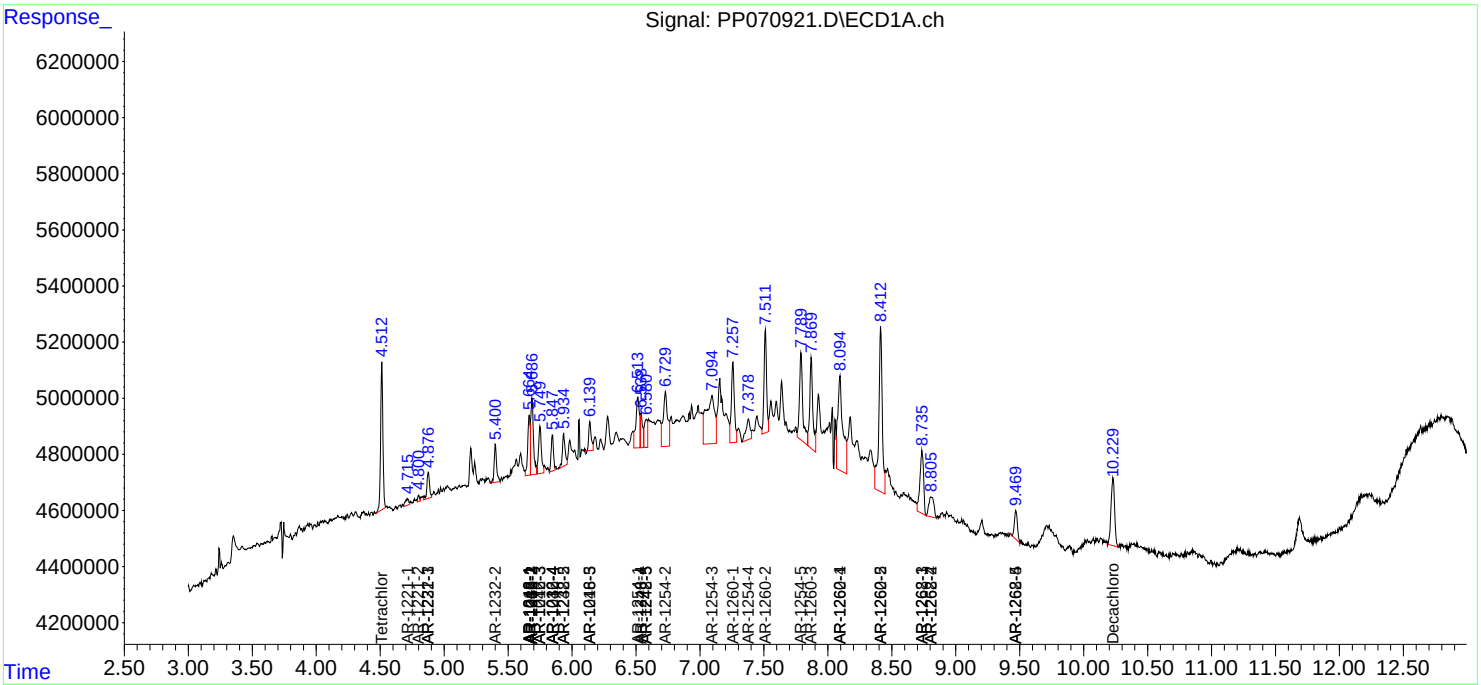
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

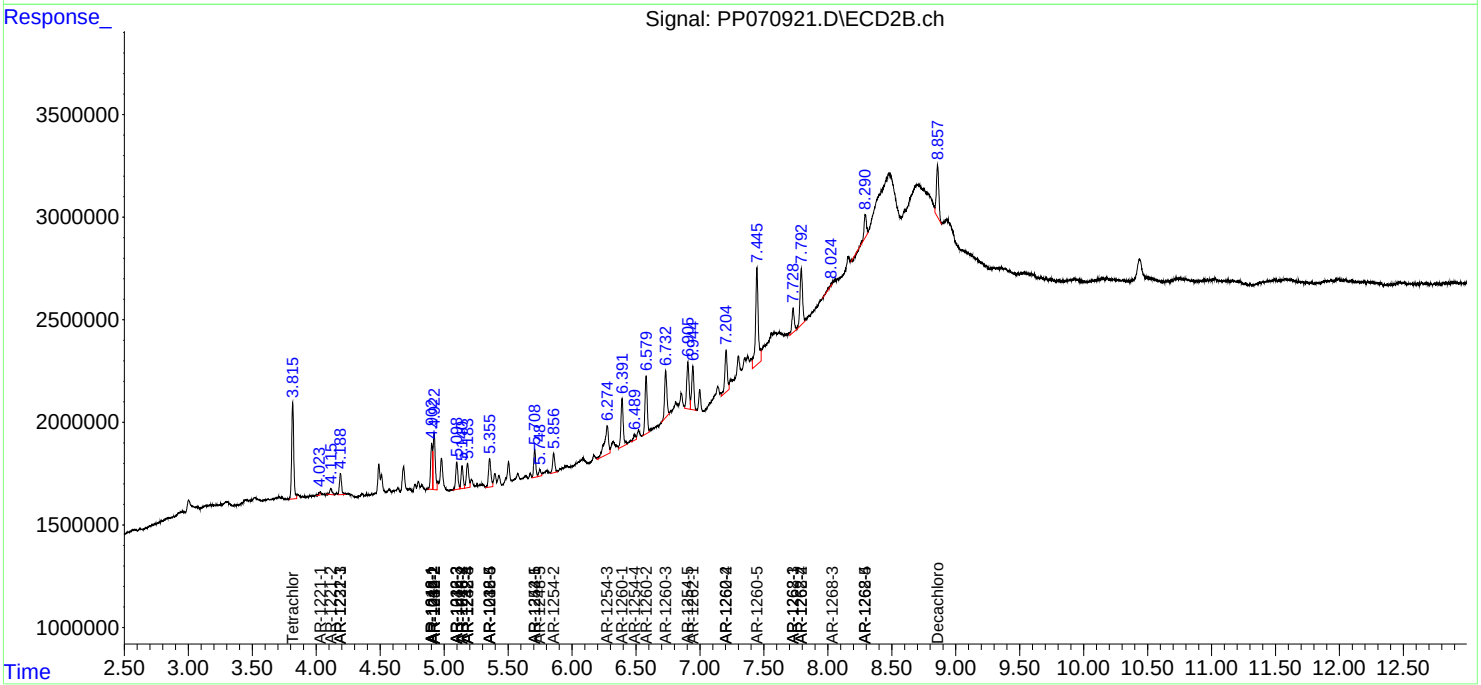
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 11:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

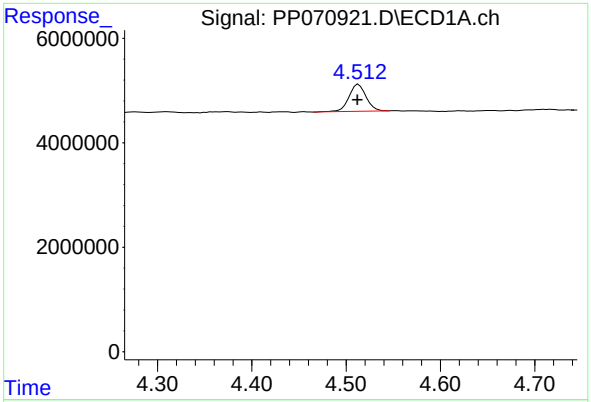
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 31 03:04:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



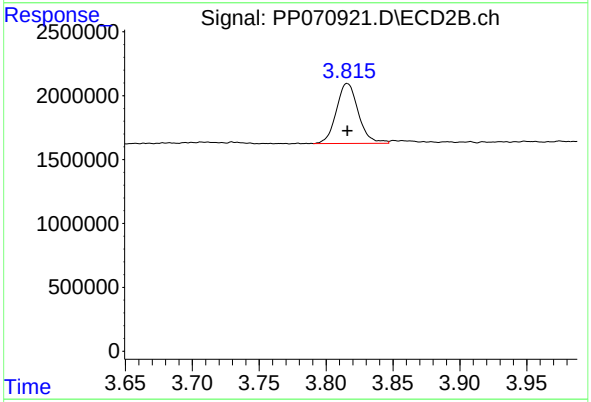






#1 Tetrachloro-m-xylene

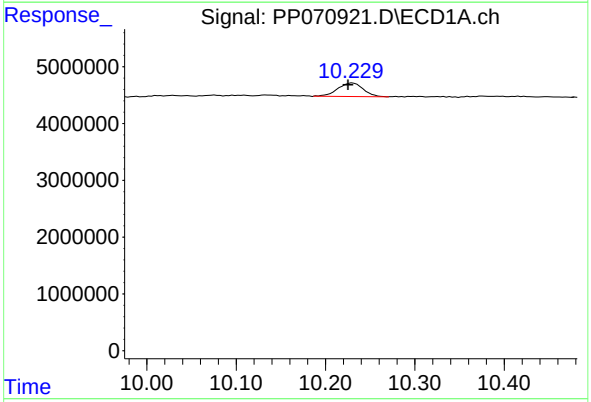
R.T.: 4.513 min
Delta R.T.: 0.001 min
Response: 6533335
Conc: 4.47 ng/ml

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



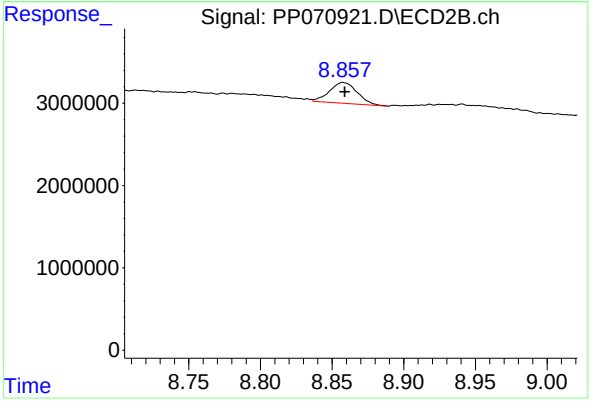

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 5359624
Conc: 5.17 ng/ml



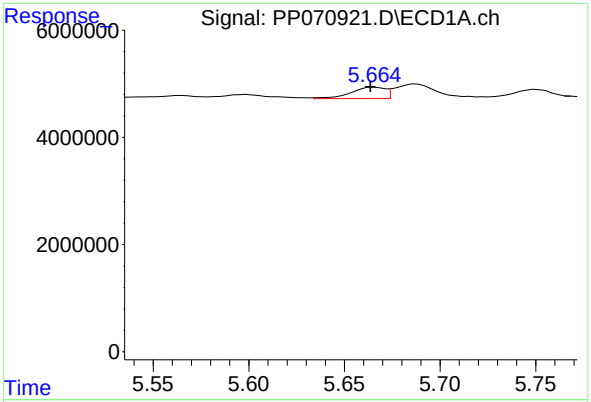

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.005 min
Response: 4733739
Conc: 4.50 ng/ml




#2 Decachlorobiphenyl

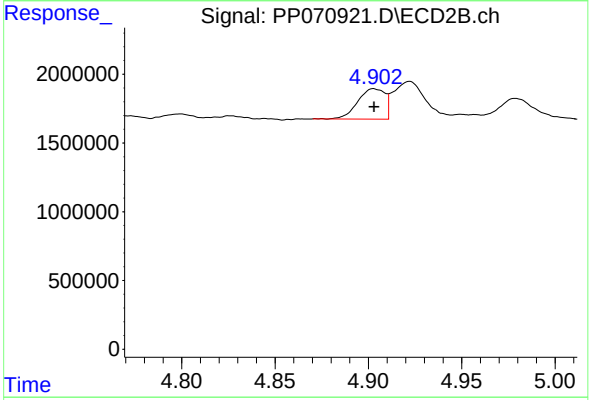
R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 3413055
Conc: 4.33 ng/ml




#3 AR-1016-1

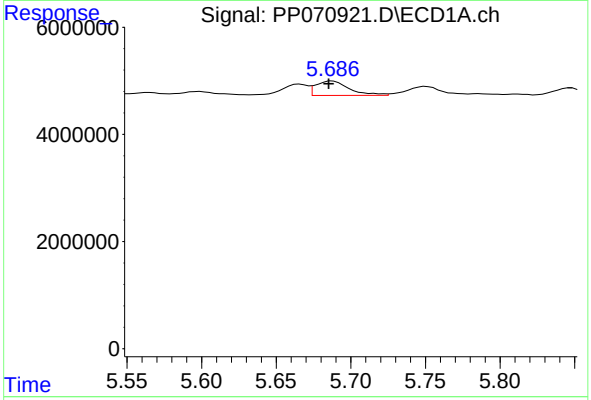
R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 2617394
Conc: 51.47 ng/ml

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



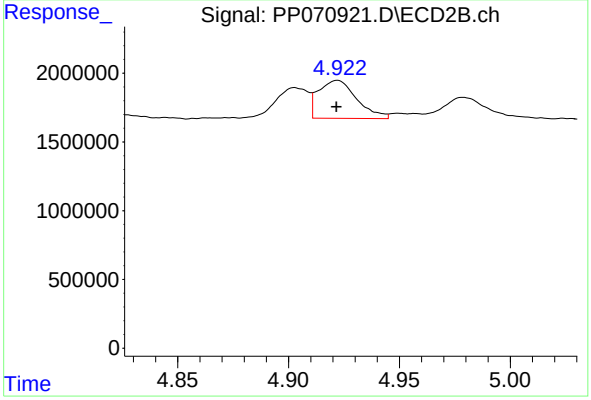

#3 AR-1016-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 2265971
Conc: 56.52 ng/ml



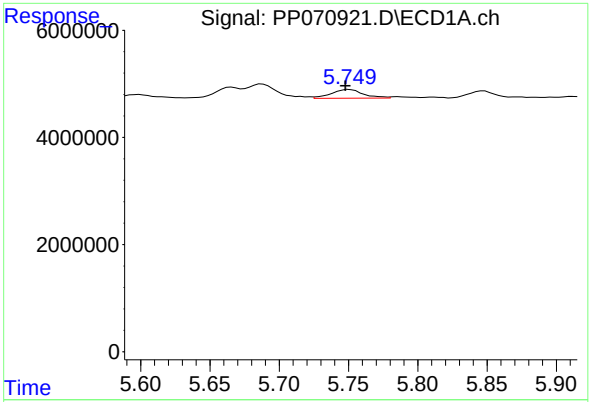

#4 AR-1016-2

R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 4198554
Conc: 53.79 ng/ml




#4 AR-1016-2

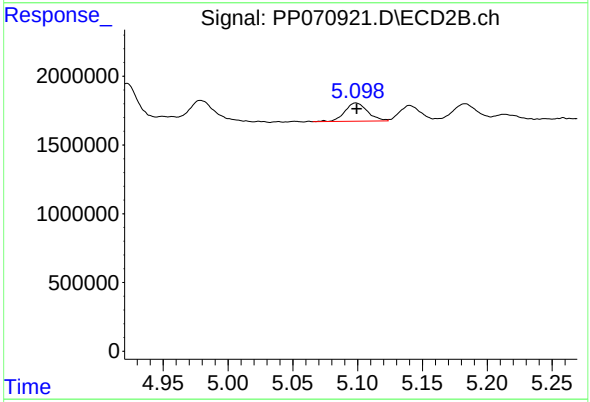
R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 3321854
Conc: 57.41 ng/ml




#5 AR-1016-3

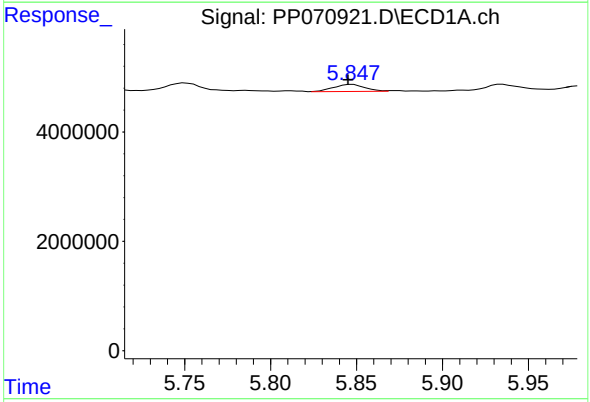
R.T.: 5.751 min
Delta R.T.: 0.003 min
Response: 2631097
Conc: 55.77 ng/ml

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



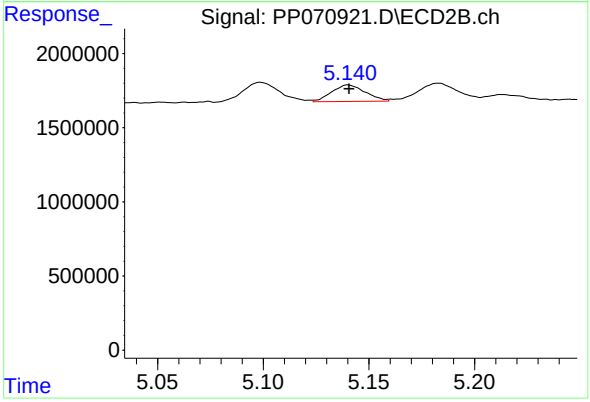

#5 AR-1016-3

R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 1626306
Conc: 52.59 ng/ml



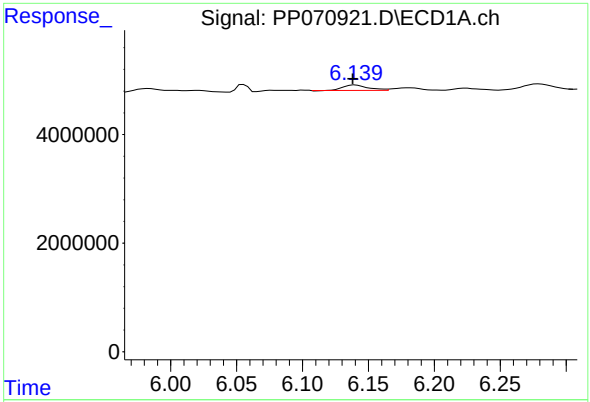

#6 AR-1016-4

R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 1614372
Conc: 43.92 ng/ml




#6 AR-1016-4

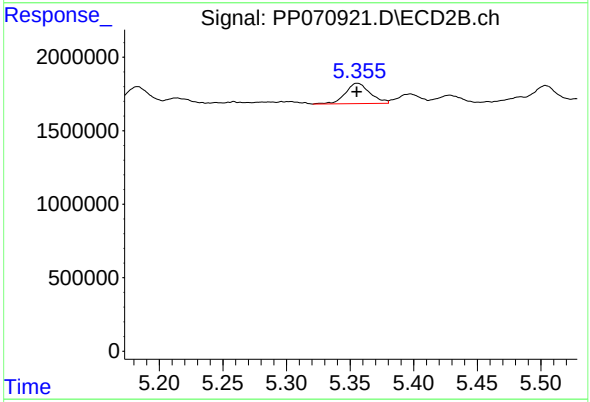
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1232754
Conc: 50.61 ng/ml




#7 AR-1016-5

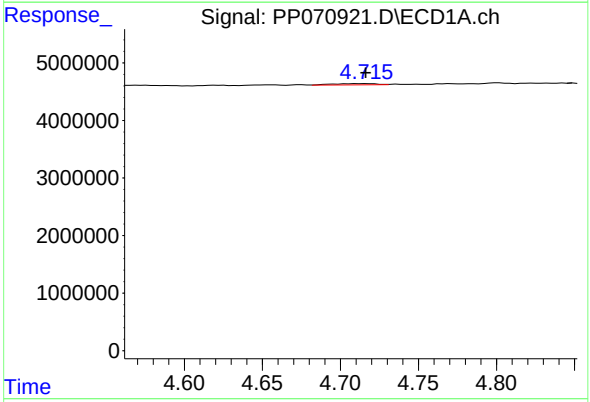
R.T.: 6.140 min
Delta R.T.: 0.002 min
Response: 1323106
Conc: 39.02 ng/ml

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



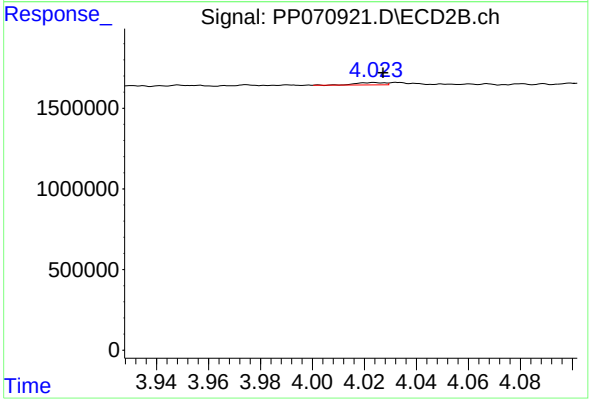

#7 AR-1016-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 1866333
Conc: 57.74 ng/ml



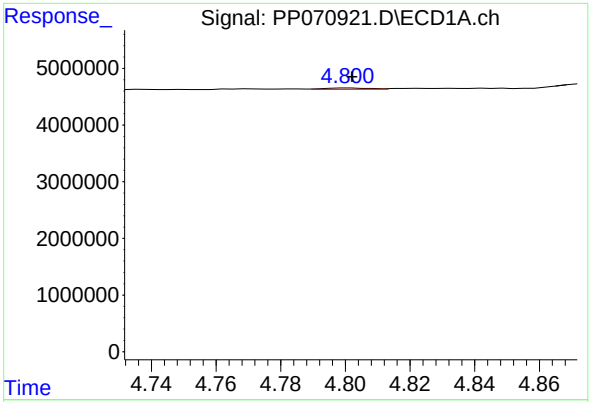

#8 AR-1221-1

R.T.: 4.717 min
Delta R.T.: 0.000 min
Response: 421830
Conc: 24.31 ng/ml




#8 AR-1221-1

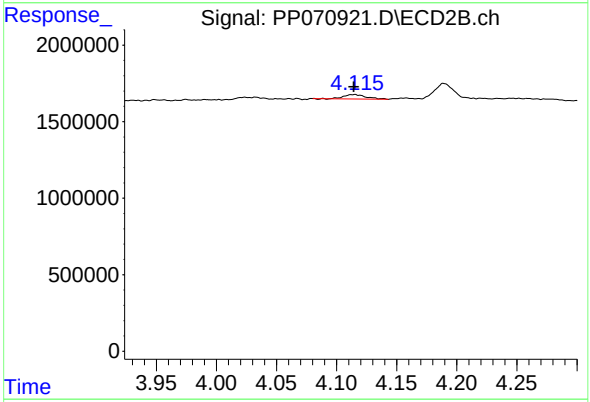
R.T.: 4.024 min
Delta R.T.: -0.004 min
Response: 114713
Conc: 7.53 ng/ml




#9 AR-1221-2

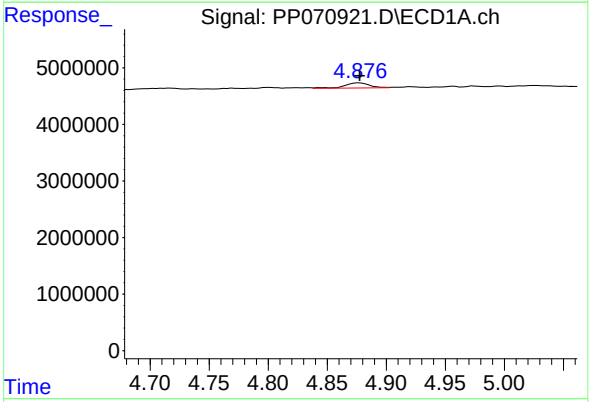
R.T.: 4.801 min
Delta R.T.: -0.001 min
Response: 218742
Conc: 16.89 ng/ml

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



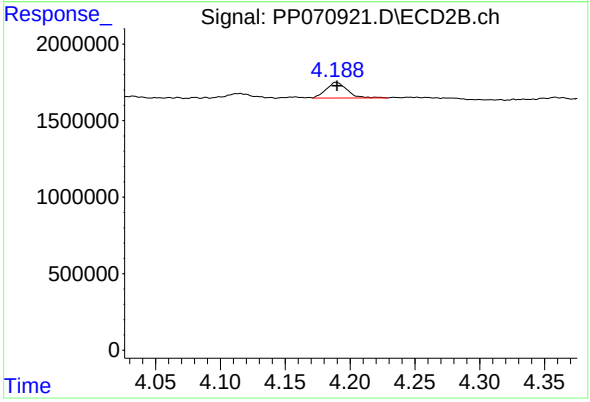

#9 AR-1221-2

R.T.: 4.115 min
Delta R.T.: 0.000 min
Response: 388578
Conc: 33.98 ng/ml



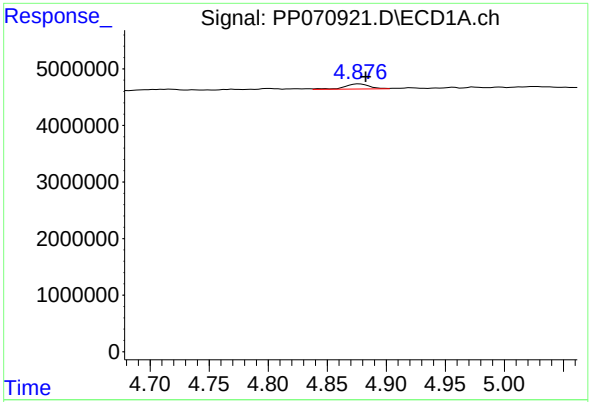

#10 AR-1221-3

R.T.: 4.877 min
Delta R.T.: 0.000 min
Response: 1349629
Conc: 32.35 ng/ml




#10 AR-1221-3

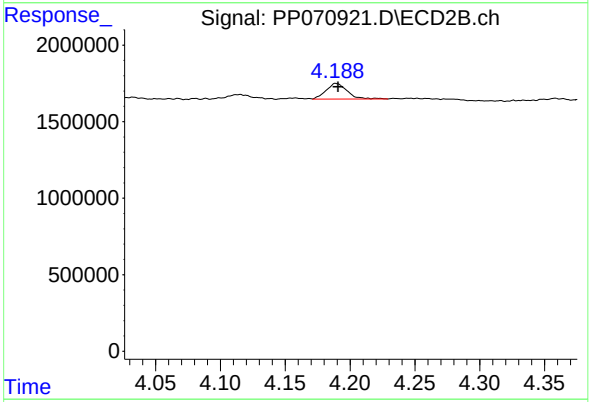
R.T.: 4.189 min
Delta R.T.: 0.000 min
Response: 1162778
Conc: 34.11 ng/ml




#11 AR-1232-1

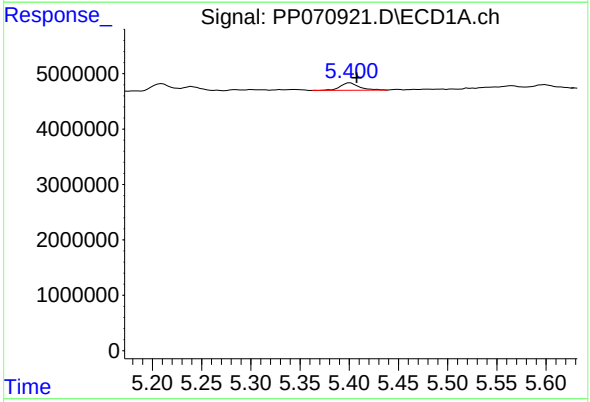
R.T.: 4.877 min
Delta R.T.: -0.005 min
Response: 1349629
Conc: 40.54 ng/ml

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



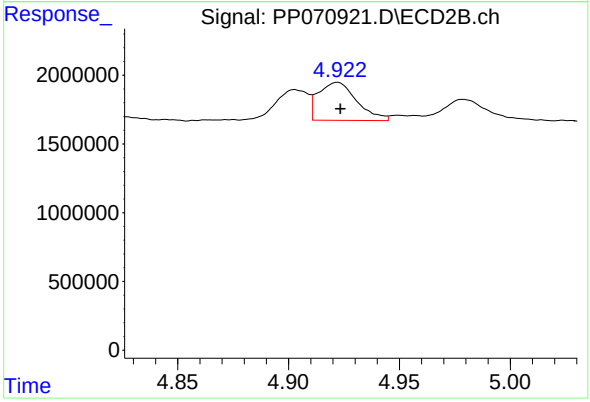

#11 AR-1232-1

R.T.: 4.189 min
Delta R.T.: -0.001 min
Response: 1162778
Conc: 41.55 ng/ml



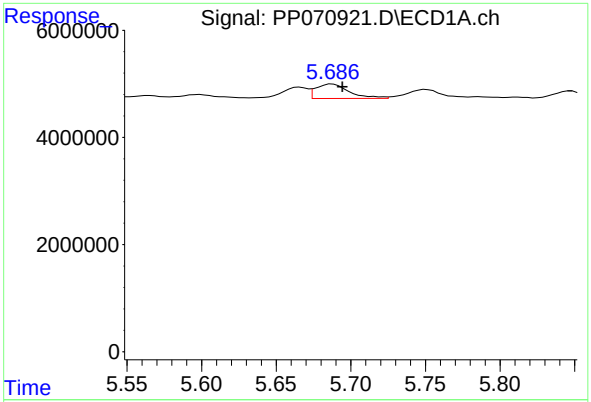

#12 AR-1232-2

R.T.: 5.401 min
Delta R.T.: -0.007 min
Response: 1794886
Conc: 112.81 ng/ml




#12 AR-1232-2

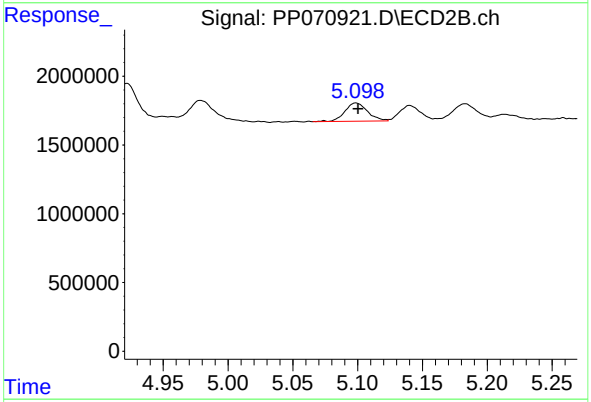
R.T.: 4.922 min
Delta R.T.: -0.001 min
Response: 3321854
Conc: 118.38 ng/ml




#13 AR-1232-3

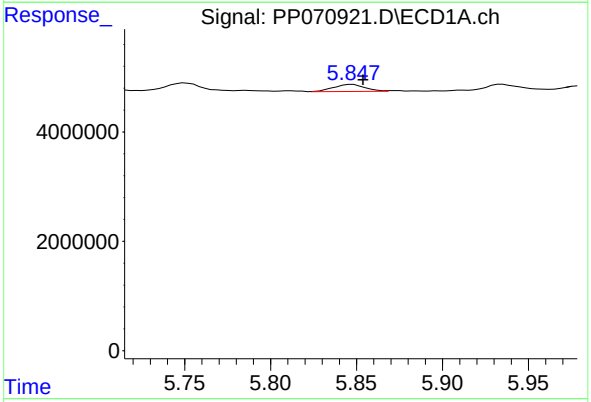
R.T.: 5.688 min
Delta R.T.: -0.007 min
Response: 4198554
Conc: 122.51 ng/ml

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



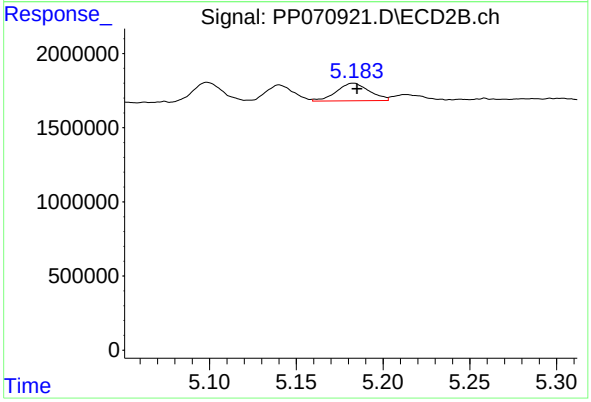

#13 AR-1232-3

R.T.: 5.099 min
Delta R.T.: -0.002 min
Response: 1626306
Conc: 109.22 ng/ml



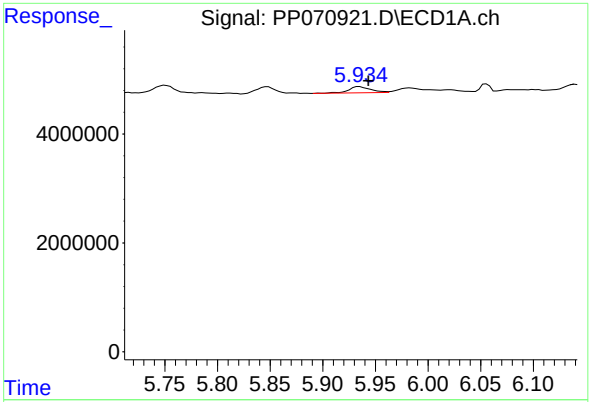

#14 AR-1232-4

R.T.: 5.848 min
Delta R.T.: -0.006 min
Response: 1614372
Conc: 102.78 ng/ml




#14 AR-1232-4

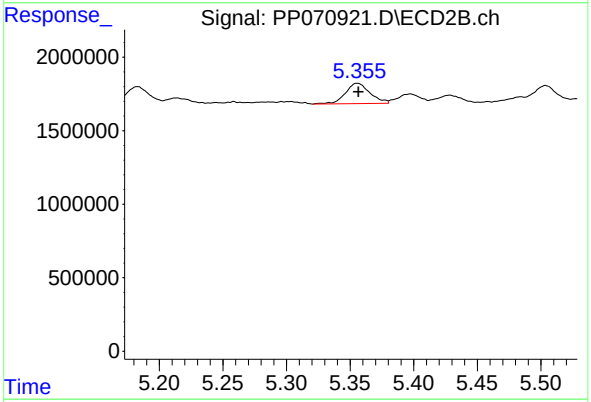
R.T.: 5.183 min
Delta R.T.: -0.002 min
Response: 1568895
Conc: 122.53 ng/ml




#15 AR-1232-5

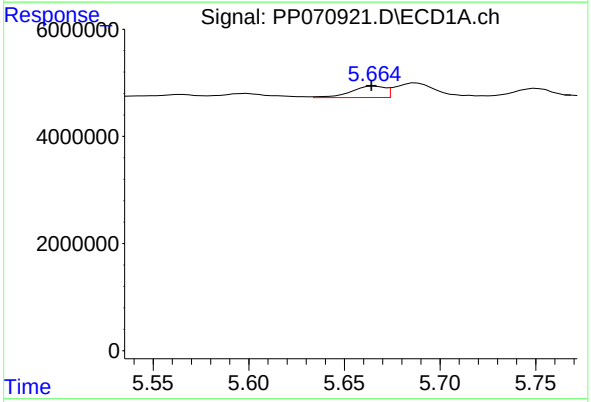
R.T.: 5.935 min
Delta R.T.: -0.009 min
Response: 1663453
Conc: 156.33 ng/ml

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



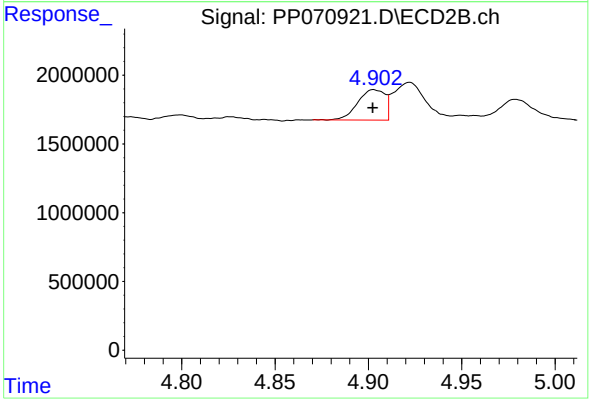

#15 AR-1232-5

R.T.: 5.356 min
Delta R.T.: 0.000 min
Response: 1866333
Conc: 131.67 ng/ml



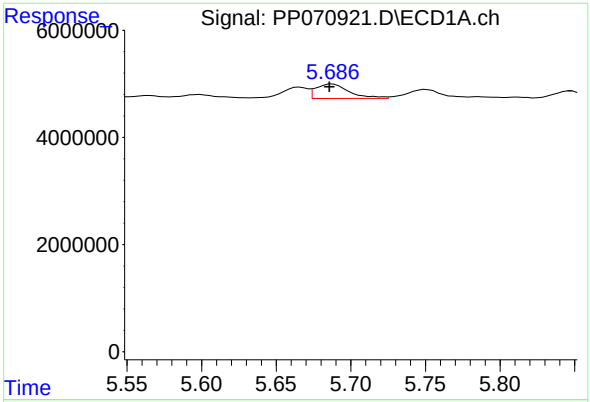

#16 AR-1242-1

R.T.: 5.666 min
Delta R.T.: 0.002 min
Response: 2617394
Conc: 59.52 ng/ml




#16 AR-1242-1

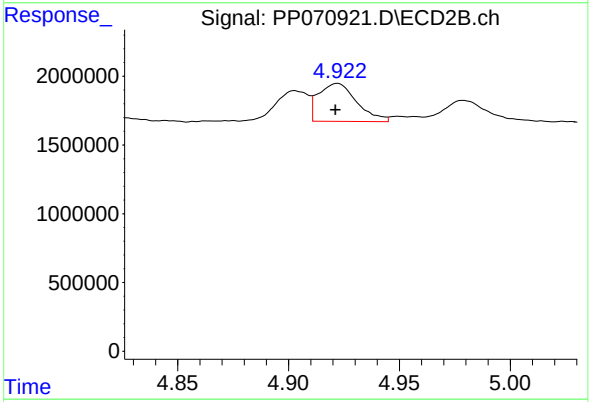
R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 2265971
Conc: 66.26 ng/ml




#17 AR-1242-2

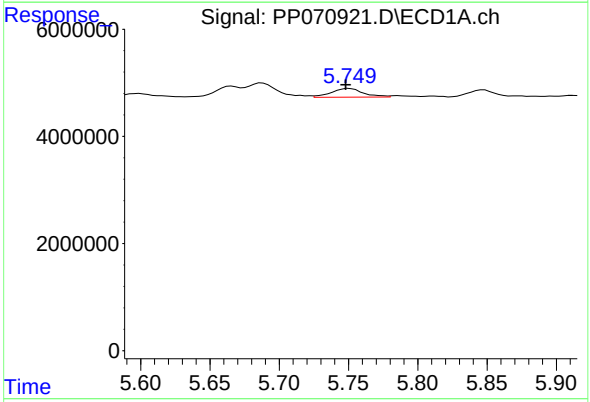
R.T.: 5.688 min
Delta R.T.: 0.002 min
Response: 4198554
Conc: 65.28 ng/ml

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



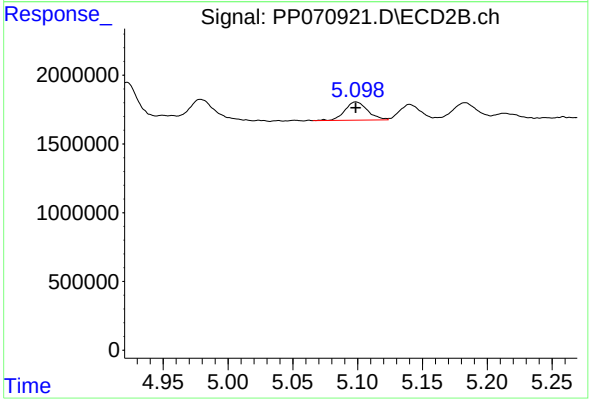

#17 AR-1242-2

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 3321854
Conc: 67.44 ng/ml



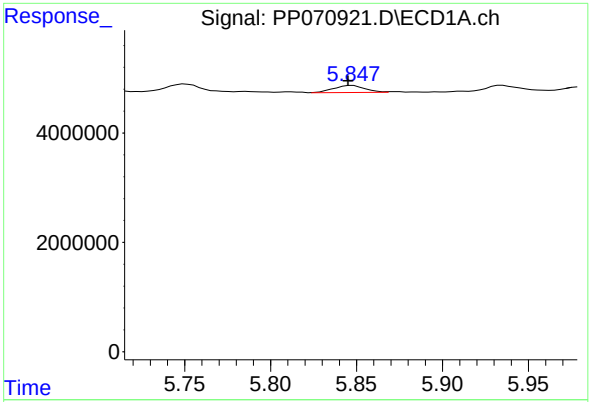

#18 AR-1242-3

R.T.: 5.751 min
Delta R.T.: 0.003 min
Response: 2631097
Conc: 64.11 ng/ml




#18 AR-1242-3

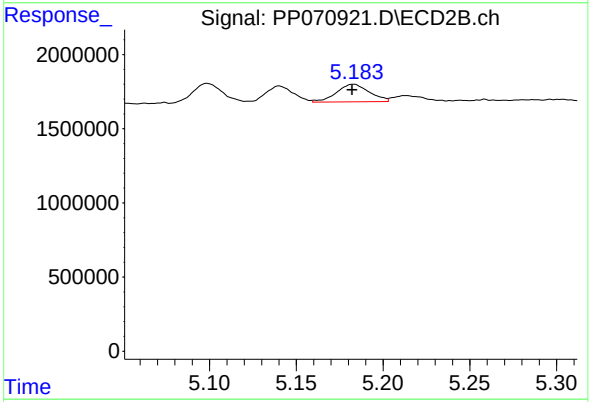
R.T.: 5.099 min
Delta R.T.: 0.000 min
Response: 1626306
Conc: 61.04 ng/ml




#19 AR-1242-4

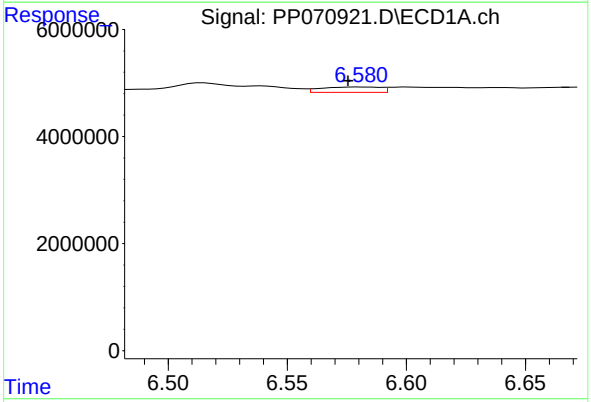
R.T.: 5.848 min
Delta R.T.: 0.003 min
Response: 1614372
Conc: 52.89 ng/ml

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



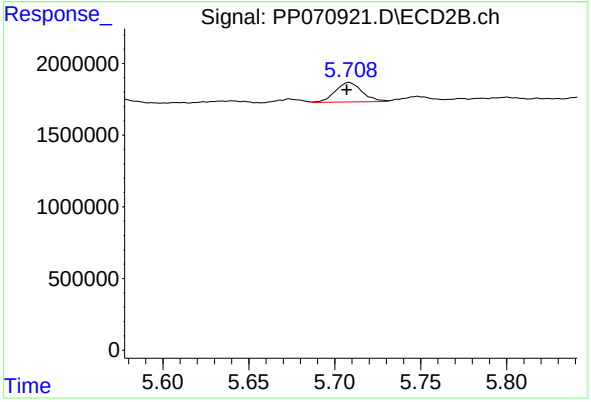

#19 AR-1242-4

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1568895
Conc: 59.48 ng/ml



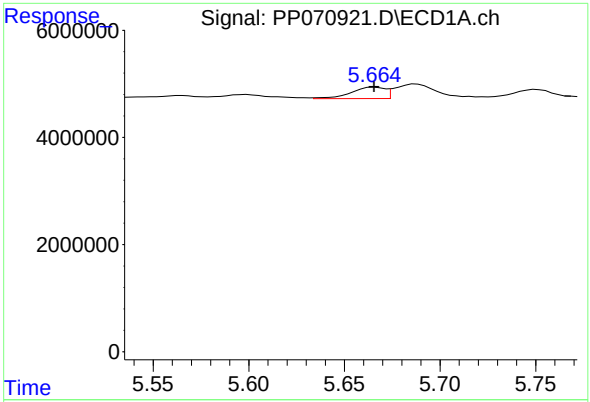

#20 AR-1242-5

R.T.: 6.582 min
Delta R.T.: 0.006 min
Response: 1738801
Conc: 47.62 ng/ml




#20 AR-1242-5

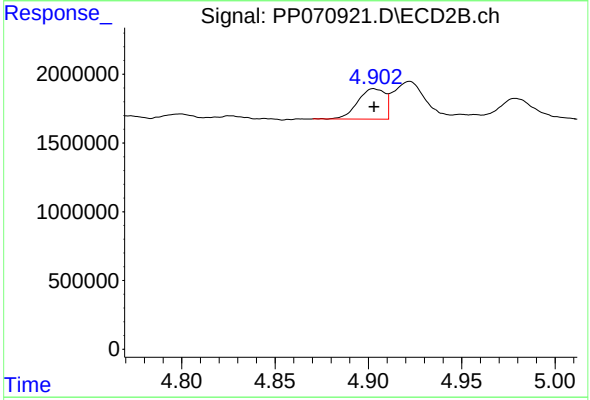
R.T.: 5.708 min
Delta R.T.: 0.001 min
Response: 1466013
Conc: 47.35 ng/ml




#21 AR-1248-1

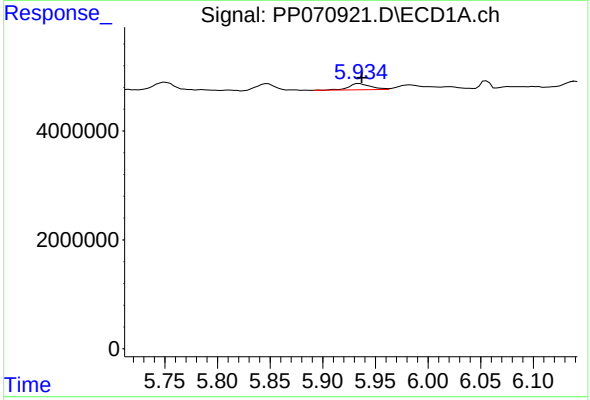
R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 2617394
Conc: 72.13 ng/ml

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



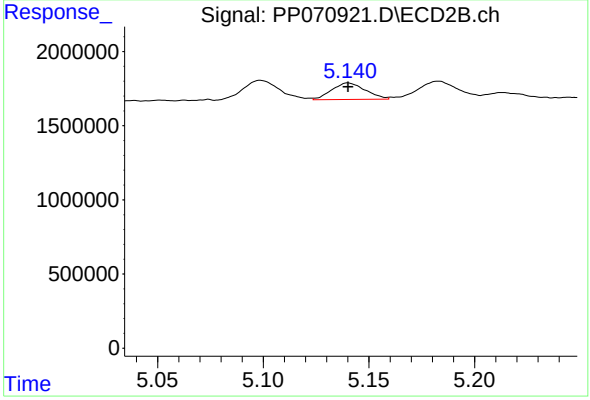

#21 AR-1248-1

R.T.: 4.903 min
Delta R.T.: 0.000 min
Response: 2265971
Conc: 83.68 ng/ml



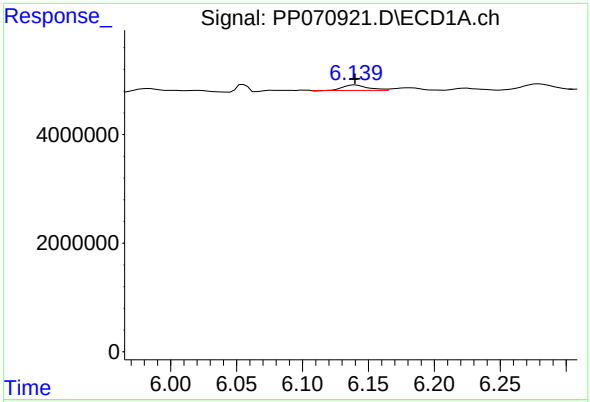

#22 AR-1248-2

R.T.: 5.935 min
Delta R.T.: -0.002 min
Response: 1663453
Conc: 37.02 ng/ml




#22 AR-1248-2

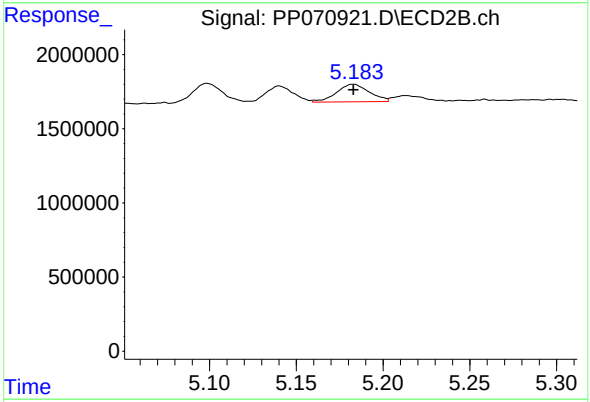
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1232754
Conc: 33.57 ng/ml




#23 AR-1248-3

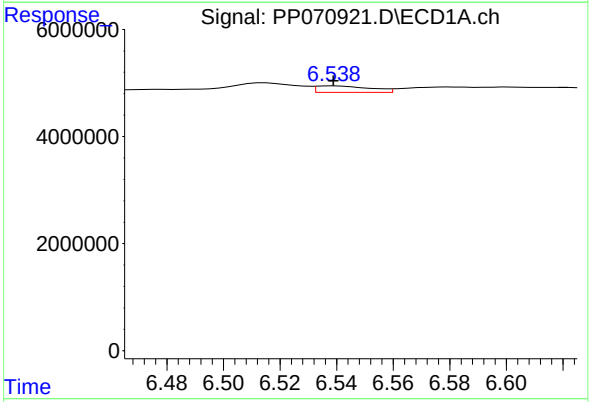
R.T.: 6.140 min
Delta R.T.: 0.000 min
Response: 1323106
Conc: 26.13 ng/ml

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



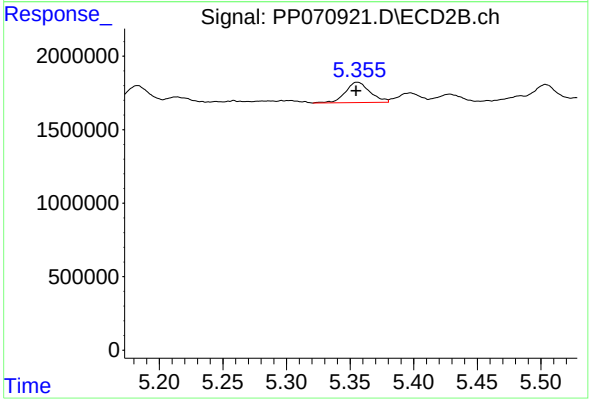

#23 AR-1248-3

R.T.: 5.183 min
Delta R.T.: 0.000 min
Response: 1568895
Conc: 40.58 ng/ml



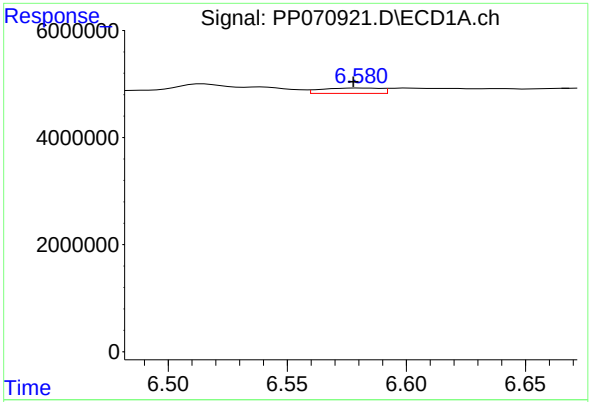

#24 AR-1248-4

R.T.: 6.539 min
Delta R.T.: 0.000 min
Response: 1621071
Conc: 25.27 ng/ml




#24 AR-1248-4

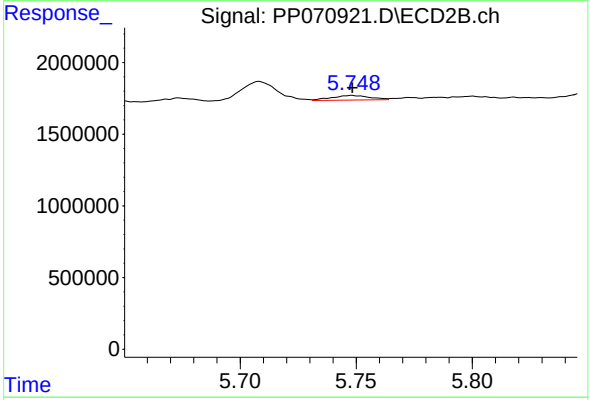
R.T.: 5.356 min
Delta R.T.: 0.001 min
Response: 1866333
Conc: 41.34 ng/ml




#25 AR-1248-5

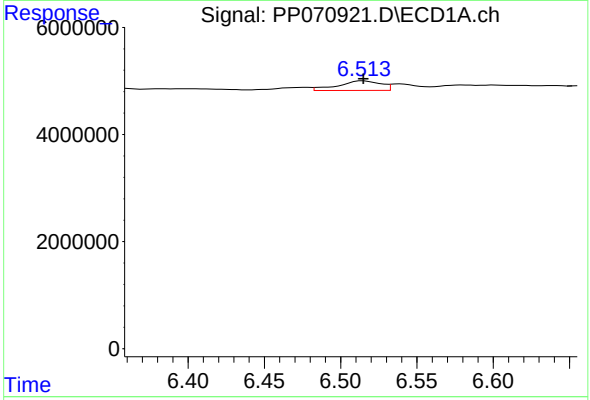
R.T.: 6.582 min
Delta R.T.: 0.004 min
Response: 1738801
Conc: 28.58 ng/ml

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



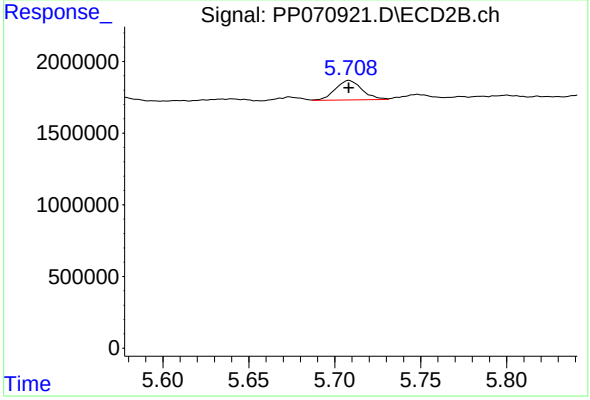

#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 371096
Conc: 8.70 ng/ml



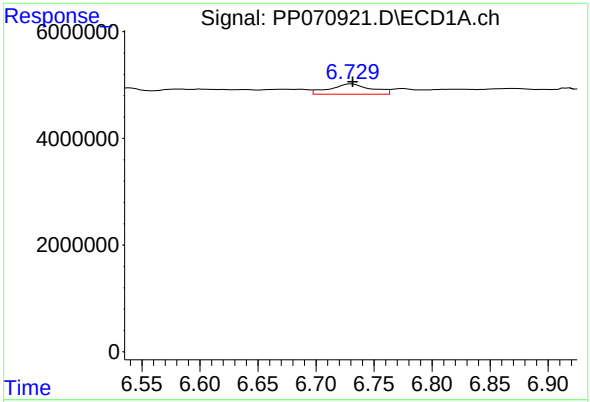

#26 AR-1254-1

R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 3489366
Conc: 54.19 ng/ml




#26 AR-1254-1

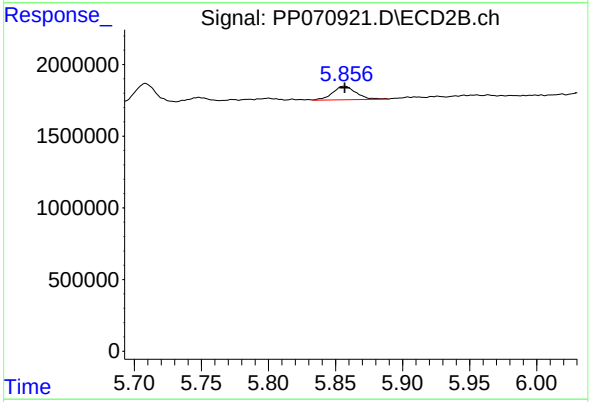
R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 1466013
Conc: 22.21 ng/ml




#27 AR-1254-2

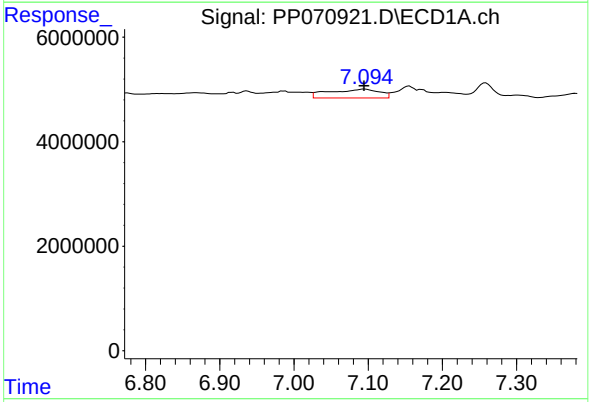
R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 4772204
Conc: 47.21 ng/ml

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



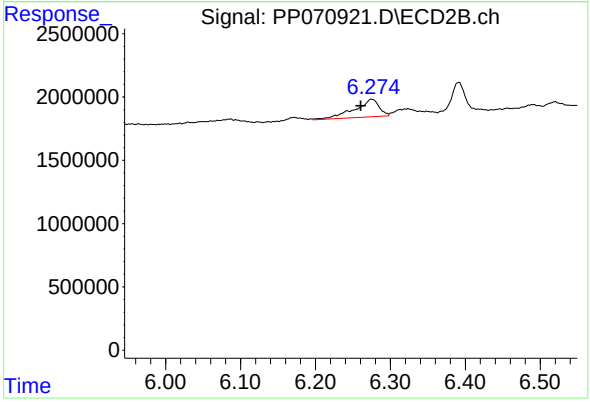

#27 AR-1254-2

R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 1146779
Conc: 20.08 ng/ml



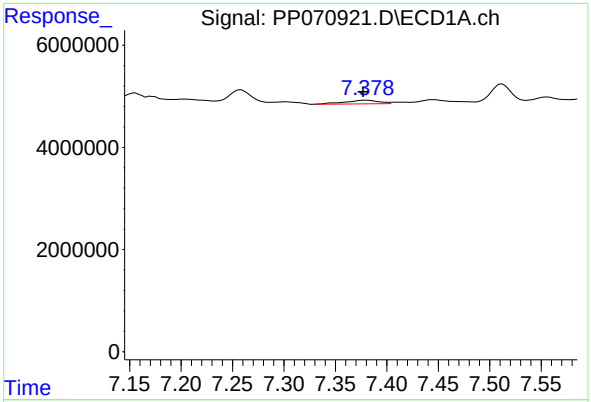

#28 AR-1254-3

R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 7925059
Conc: 79.47 ng/ml




#28 AR-1254-3

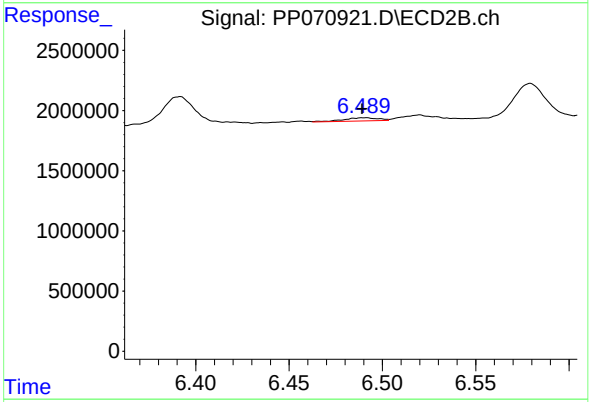
R.T.: 6.275 min
Delta R.T.: 0.015 min
Response: 3163207
Conc: 36.43 ng/ml




#29 AR-1254-4

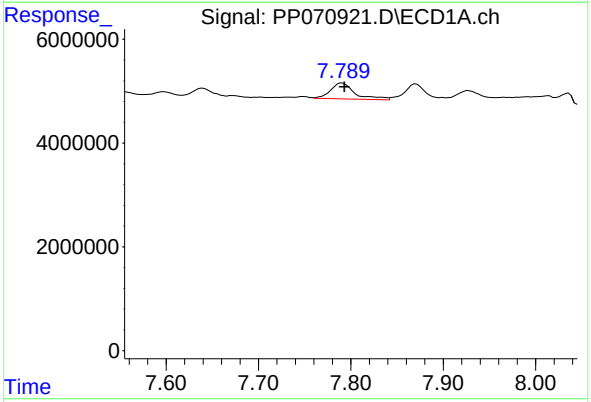
R.T.: 7.380 min
Delta R.T.: 0.003 min
Response: 1640237
Conc: 18.94 ng/ml

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



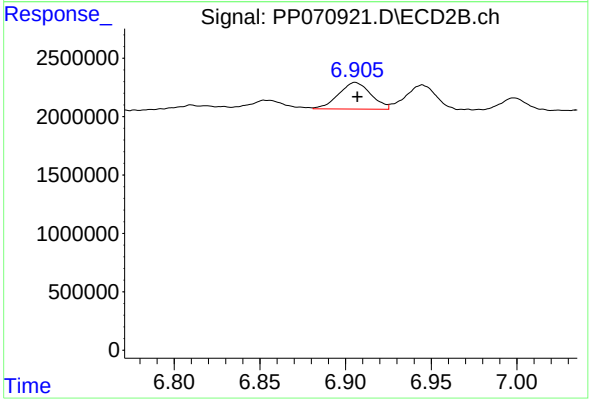

#29 AR-1254-4

R.T.: 6.490 min
Delta R.T.: 0.001 min
Response: 349900
Conc: 6.24 ng/ml



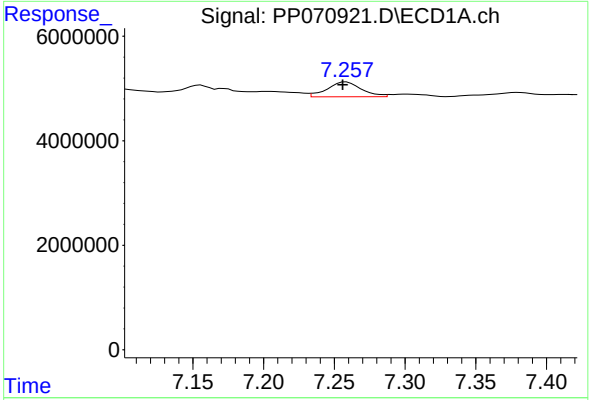

#30 AR-1254-5

R.T.: 7.791 min
Delta R.T.: -0.002 min
Response: 5692306
Conc: 70.84 ng/ml




#30 AR-1254-5

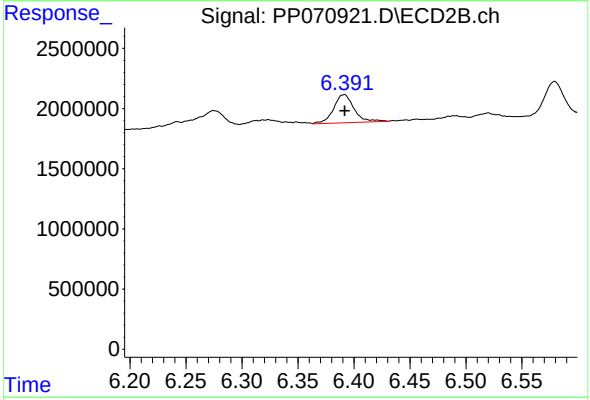
R.T.: 6.906 min
Delta R.T.: -0.001 min
Response: 2994420
Conc: 41.50 ng/ml




#31 AR-1260-1

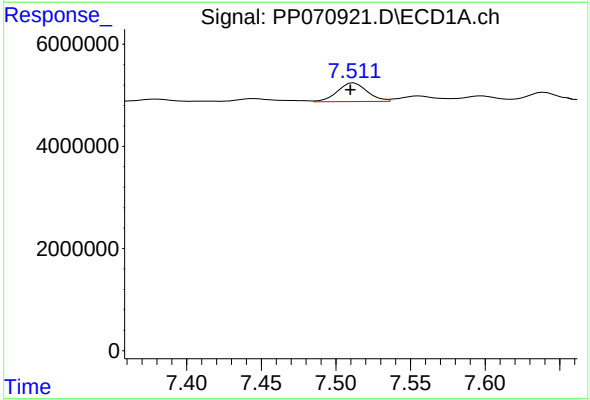
R.T.: 7.258 min
Delta R.T.: 0.003 min
Response: 4772844
Conc: 71.07 ng/ml

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



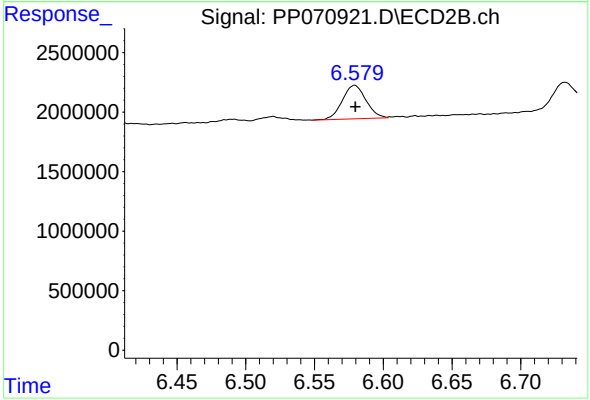

#31 AR-1260-1

R.T.: 6.391 min
Delta R.T.: 0.000 min
Response: 2989801
Conc: 58.39 ng/ml



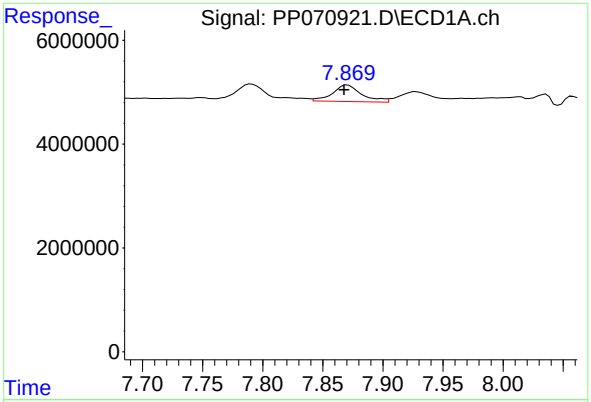

#32 AR-1260-2

R.T.: 7.512 min
Delta R.T.: 0.002 min
Response: 5123964
Conc: 53.30 ng/ml




#32 AR-1260-2

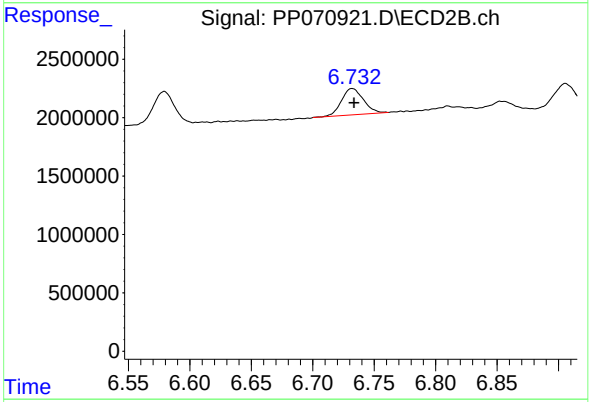
R.T.: 6.579 min
Delta R.T.: 0.000 min
Response: 3357287
Conc: 52.63 ng/ml




#33 AR-1260-3

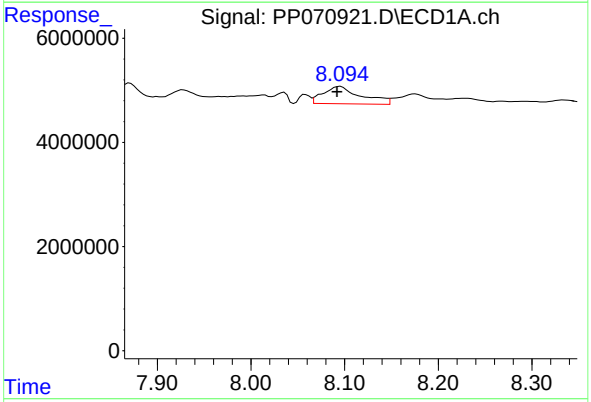
R.T.: 7.871 min
Delta R.T.: 0.003 min
Response: 5463057
Conc: 68.36 ng/ml

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



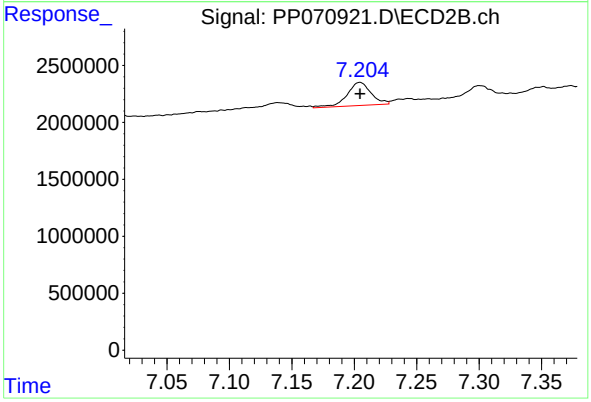

#33 AR-1260-3

R.T.: 6.732 min
Delta R.T.: -0.001 min
Response: 2827385
Conc: 51.89 ng/ml



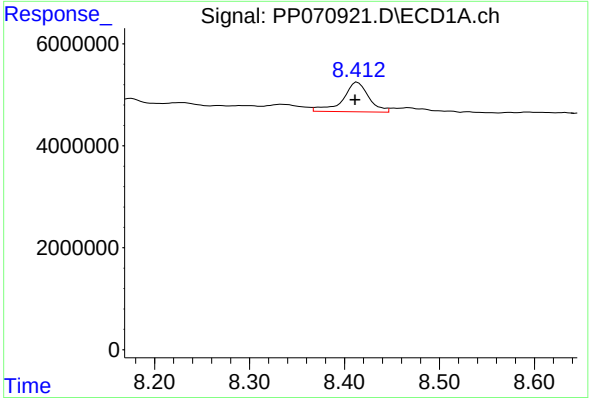

#34 AR-1260-4

R.T.: 8.095 min
Delta R.T.: 0.004 min
Response: 9380427
Conc: 119.14 ng/ml




#34 AR-1260-4

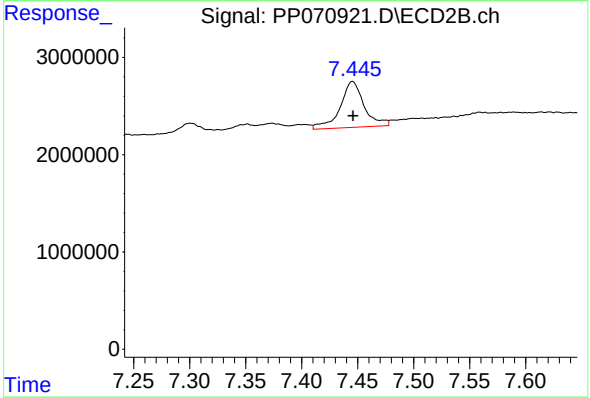
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 2746307
Conc: 57.42 ng/ml




#35 AR-1260-5

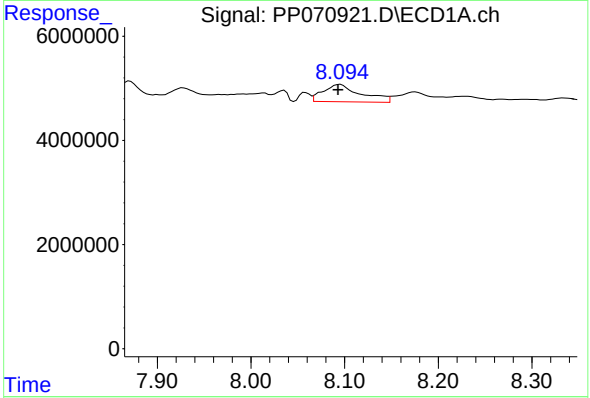
R.T.: 8.414 min
Delta R.T.: 0.002 min
Response: 11051960
Conc: 69.56 ng/ml

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



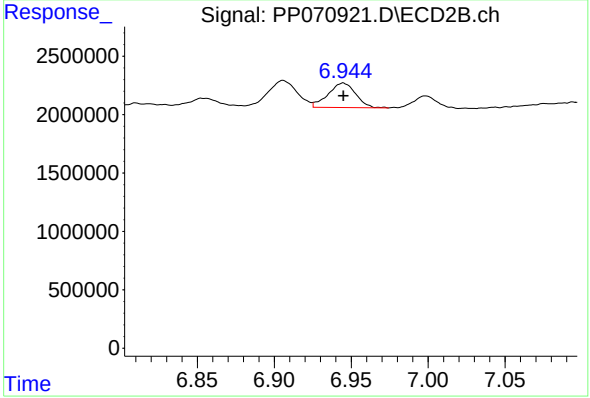

#35 AR-1260-5

R.T.: 7.445 min
Delta R.T.: 0.000 min
Response: 7013440
Conc: 56.33 ng/ml



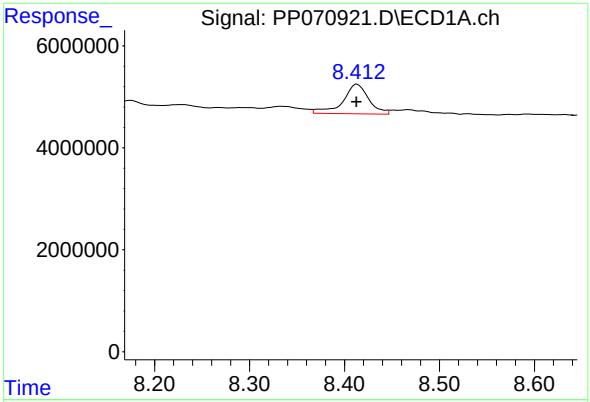

#36 AR-1262-1

R.T.: 8.095 min
Delta R.T.: 0.003 min
Response: 9380427
Conc: 88.24 ng/ml




#36 AR-1262-1

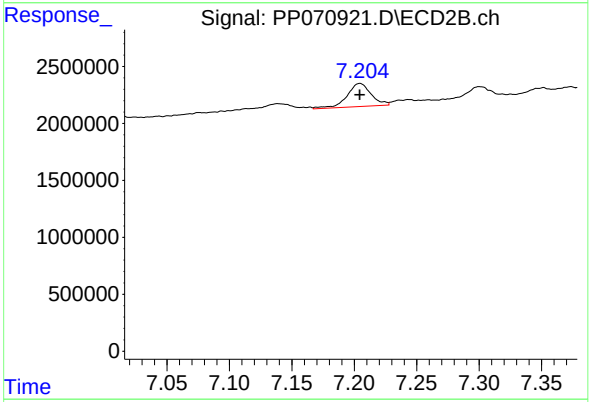
R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 2613596
Conc: 30.55 ng/ml




#37 AR-1262-2

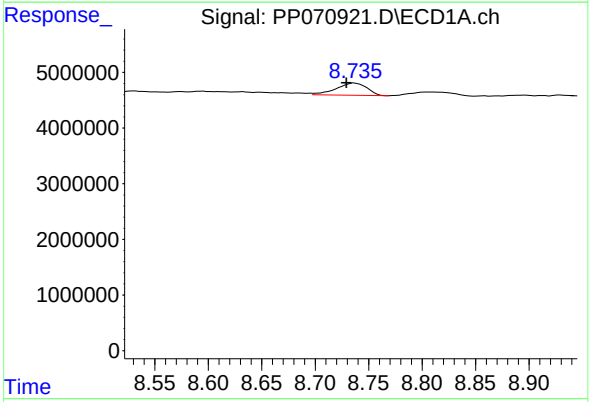
R.T.: 8.414 min
Delta R.T.: 0.001 min
Response: 11051960
Conc: 55.71 ng/ml

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



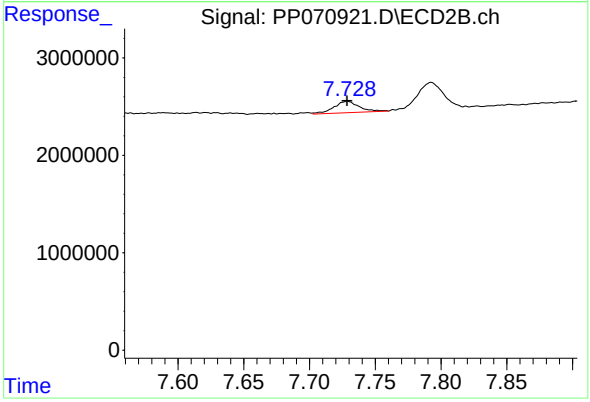

#37 AR-1262-2

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 2746307
Conc: 40.11 ng/ml



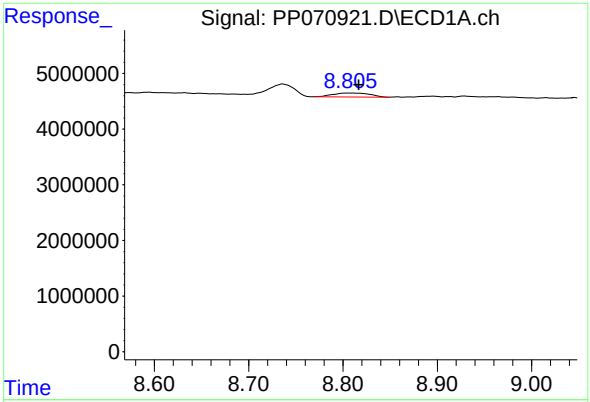

#38 AR-1262-3

R.T.: 8.737 min
Delta R.T.: 0.008 min
Response: 4423235
Conc: 33.58 ng/ml




#38 AR-1262-3

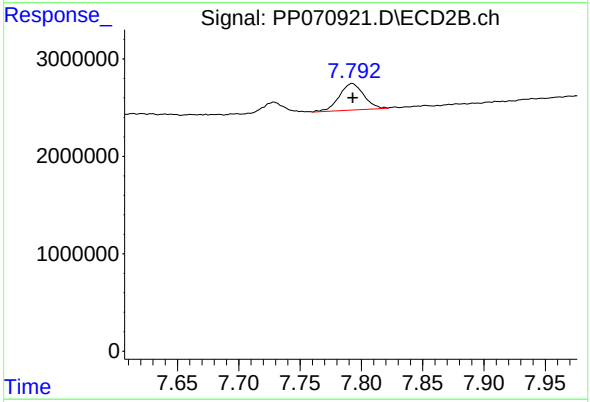
R.T.: 7.729 min
Delta R.T.: 0.000 min
Response: 1556480
Conc: 25.63 ng/ml




#39 AR-1262-4

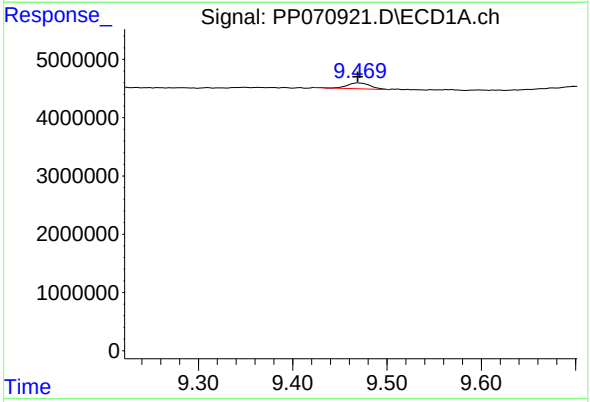
R.T.: 8.806 min
Delta R.T.: -0.011 min
Response: 1951193
Conc: 20.41 ng/ml

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



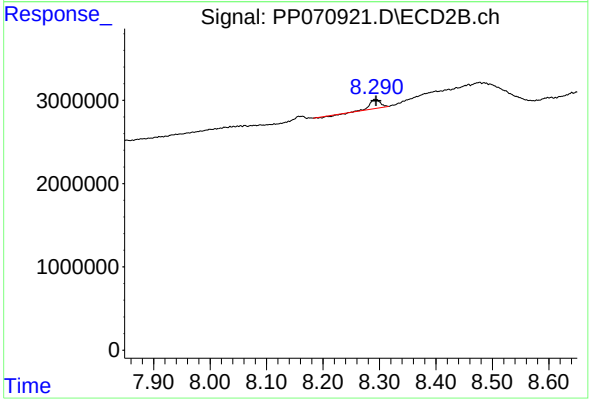

#39 AR-1262-4

R.T.: 7.792 min
Delta R.T.: 0.000 min
Response: 3771123
Conc: 37.94 ng/ml



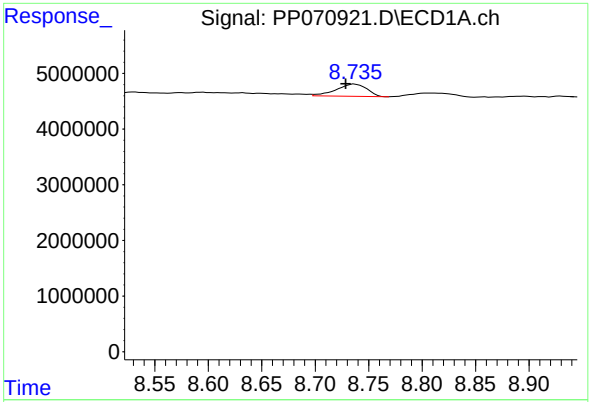

#40 AR-1262-5

R.T.: 9.470 min
Delta R.T.: 0.001 min
Response: 1729860
Conc: 26.59 ng/ml




#40 AR-1262-5

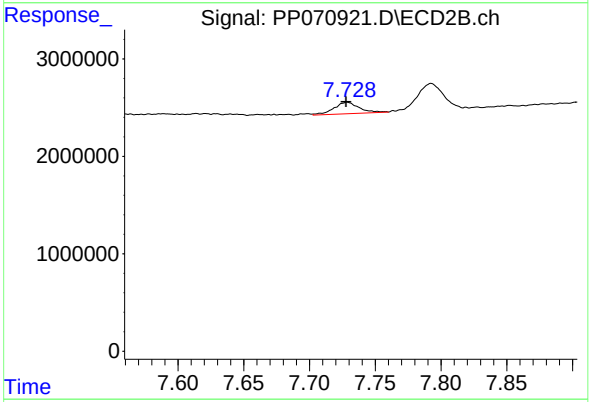
R.T.: 8.292 min
Delta R.T.: -0.002 min
Response: 1260427
Conc: 26.89 ng/ml




#41 AR-1268-1

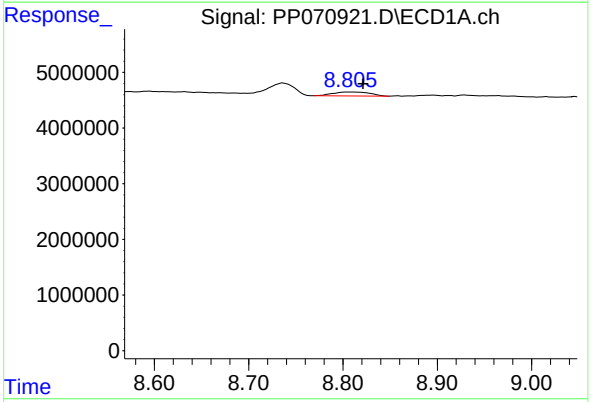
R.T.: 8.737 min
Delta R.T.: 0.008 min
Response: 4423235
Conc: 18.78 ng/ml

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



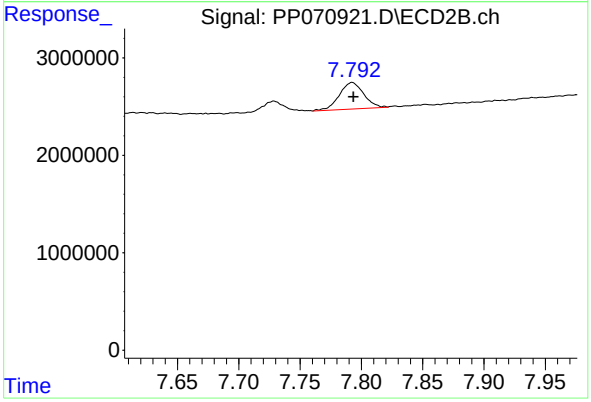

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 1556480
Conc: 9.08 ng/ml



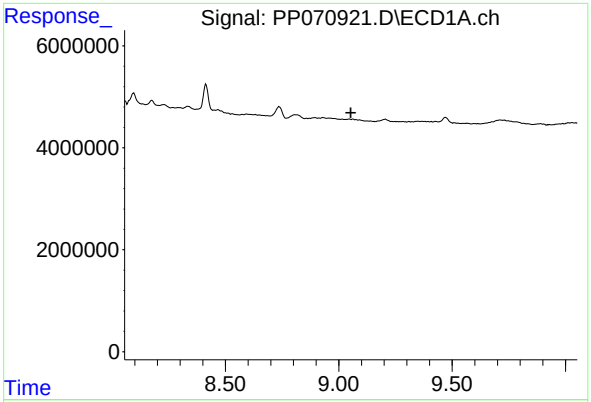

#42 AR-1268-2

R.T.: 8.806 min
Delta R.T.: -0.016 min
Response: 1951193
Conc: 9.99 ng/ml




#42 AR-1268-2

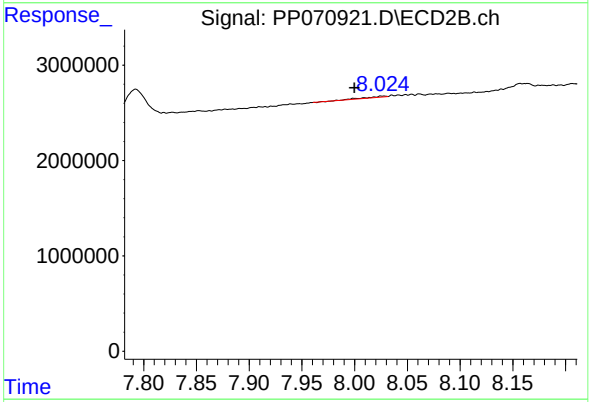
R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 3771123
Conc: 26.32 ng/ml




#43 AR-1268-3

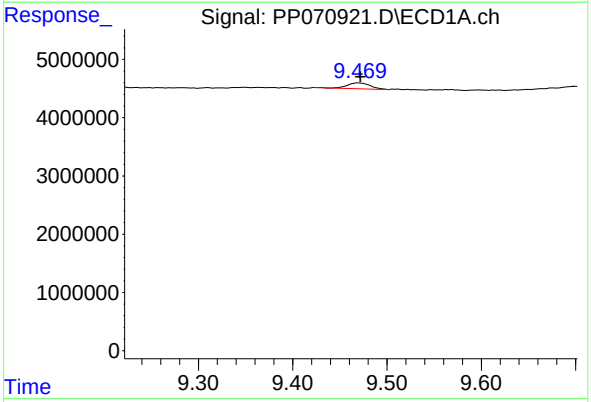
R.T.: 0.000 min
Exp R.T. : 9.053 min
Response: 0
Conc: N.D.

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



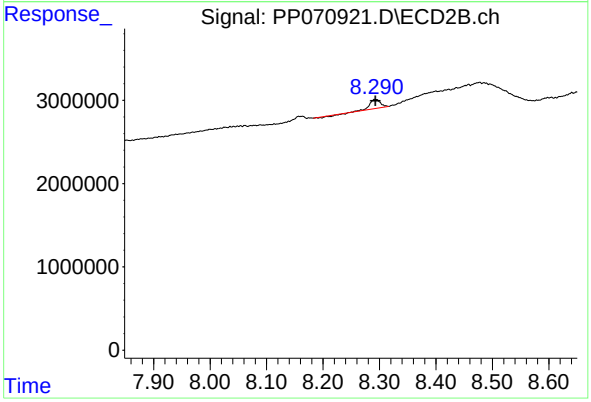

#43 AR-1268-3

R.T.: 8.026 min
Delta R.T.: 0.026 min
Response: 152620
Conc: 1.24 ng/ml




#44 AR-1268-4

R.T.: 9.470 min
Delta R.T.: -0.002 min
Response: 1729860
Conc: 24.45 ng/ml




#44 AR-1268-4

R.T.: 8.292 min
Delta R.T.: -0.001 min
Response: 1260427
Conc: 23.87 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.520 | 3.817 | 74435949 | 51438566 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.236 | 8.860 | 99828492 | 40517792 | 110.430 | 50.000 # |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.883 | 4.191 | 16644355 | 13993352 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.408 | 4.923 | 7955169 | 14030567 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.694 | 5.100 | 17135200 | 7444793 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 5.854 | 5.185 | 7853790 | 6402183 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 5.943 | 5.357 | 5320177 | 7087391 | 500.000 | 500.000 |

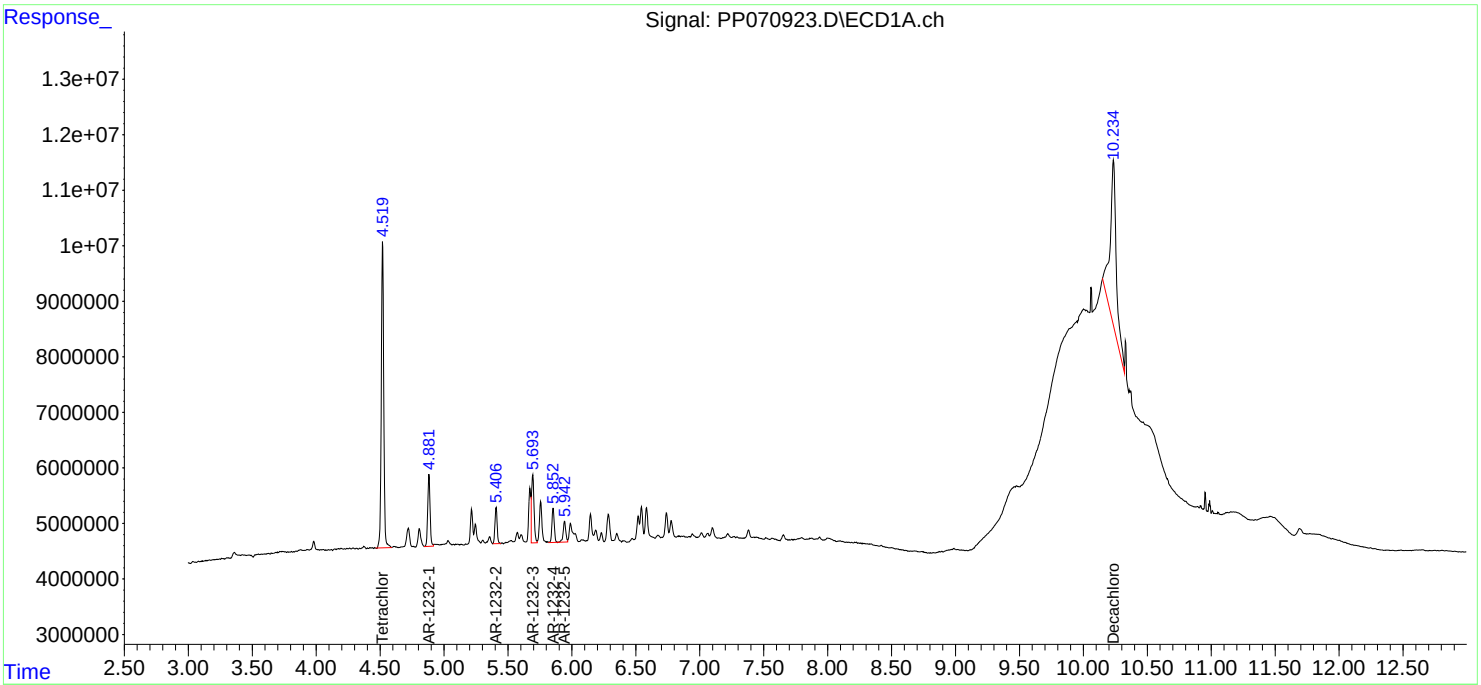
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

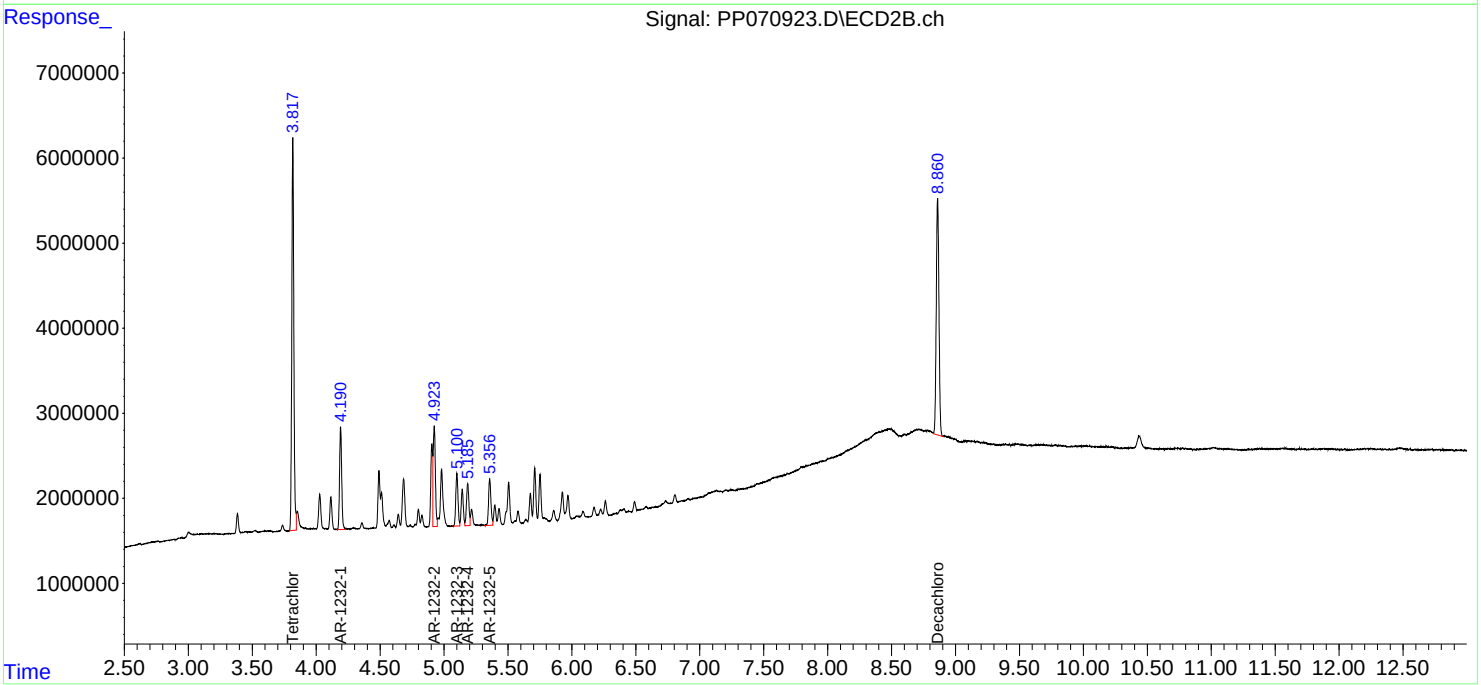
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 12:11
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

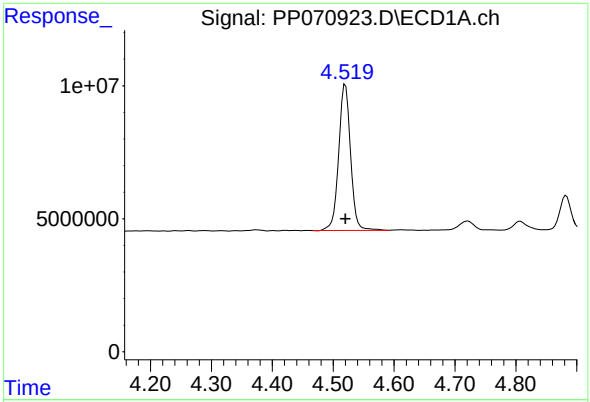
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 12:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 12:38:20 2025
Response via : Initial Calibration
Integrator: ChemStation

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



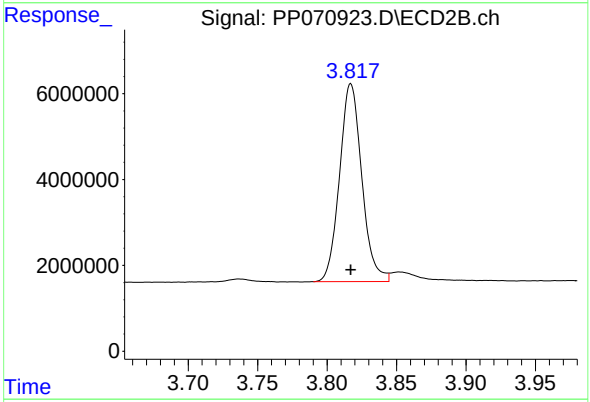






#1 Tetrachloro-m-xylene

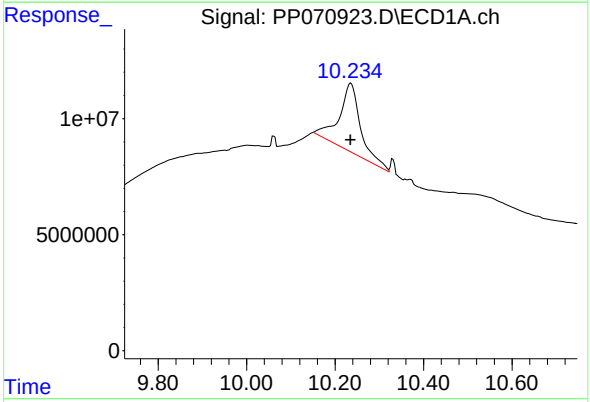
R.T.: 4.520 min
Delta R.T.: 0.000 min
Response: 74435949
Conc: 50.00 ng/ml

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



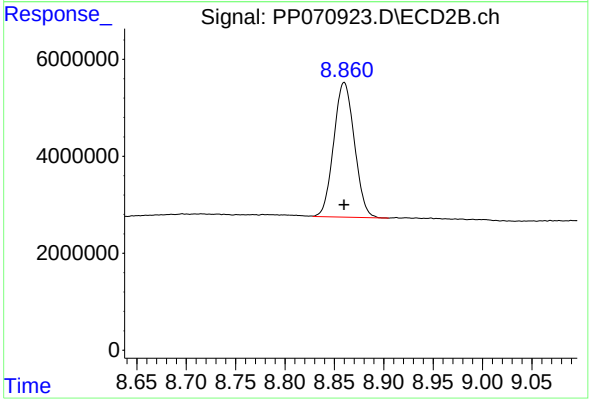

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 51438566
Conc: 50.00 ng/ml



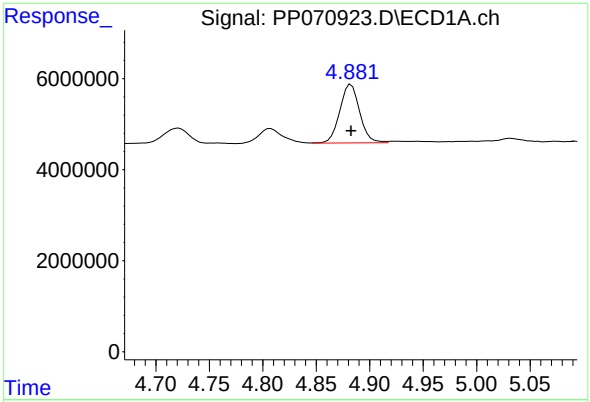

#2 Decachlorobiphenyl

R.T.: 10.236 min
Delta R.T.: 0.001 min
Response: 99828492
Conc: 110.43 ng/ml




#2 Decachlorobiphenyl

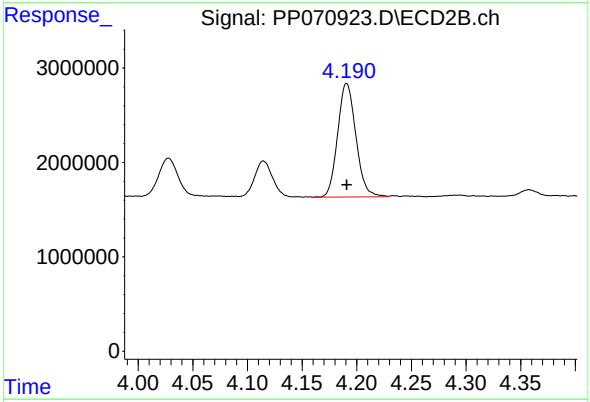
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 40517792
Conc: 50.00 ng/ml




#11 AR-1232-1

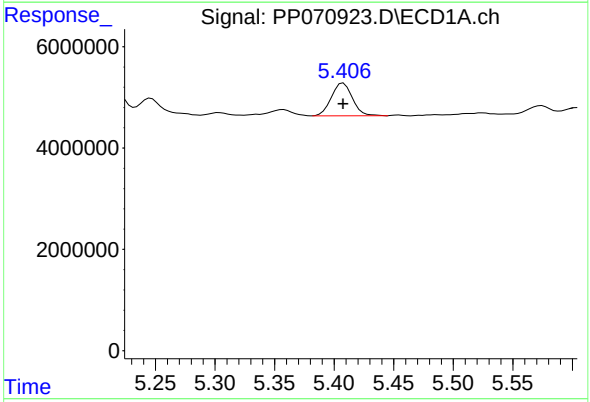
R.T.: 4.883 min
Delta R.T.: 0.000 min
Response: 16644355
Conc: 500.00 ng/ml

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



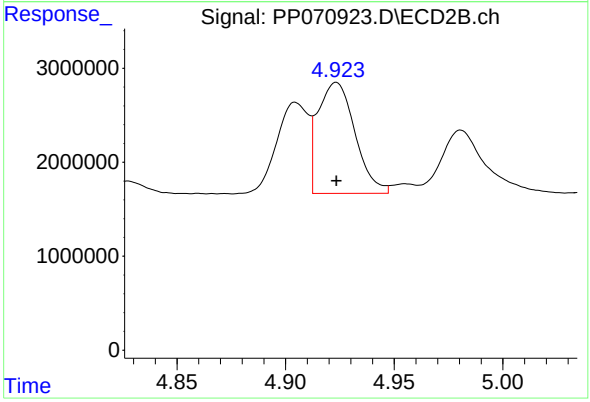

#11 AR-1232-1

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 13993352
Conc: 500.00 ng/ml



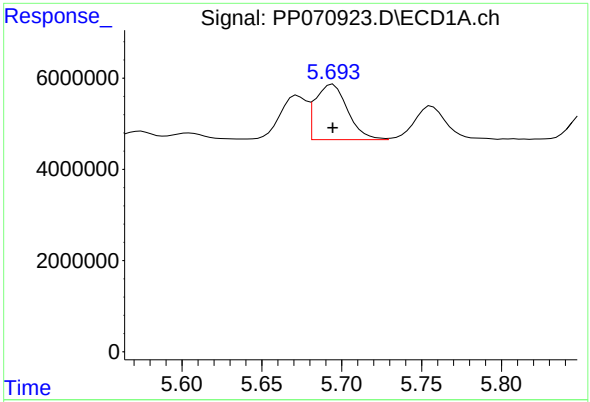

#12 AR-1232-2

R.T.: 5.408 min
Delta R.T.: 0.000 min
Response: 7955169
Conc: 500.00 ng/ml




#12 AR-1232-2

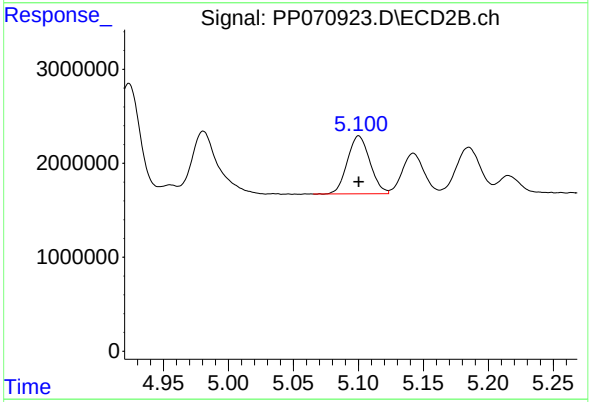
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 14030567
Conc: 500.00 ng/ml




#13 AR-1232-3

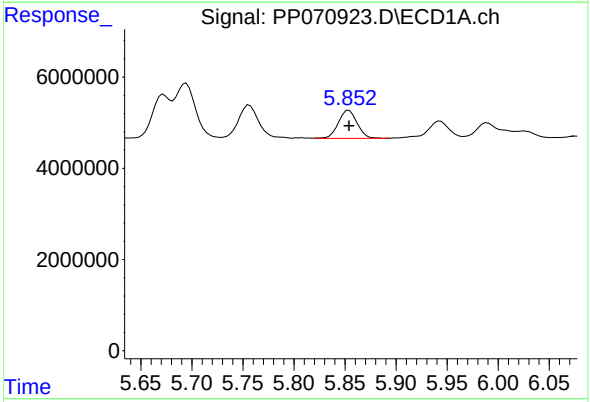
R.T.: 5.694 min
Delta R.T.: 0.000 min
Response: 17135200
Conc: 500.00 ng/ml

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



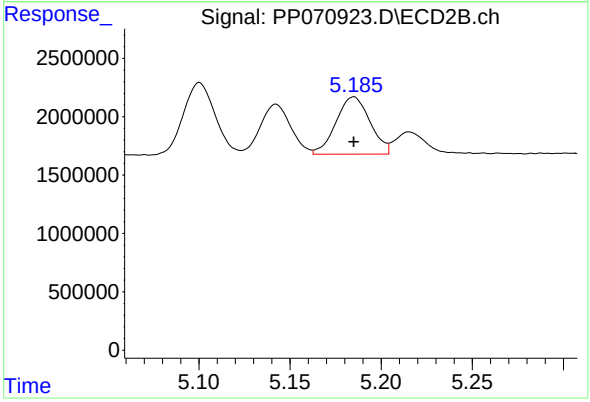

#13 AR-1232-3

R.T.: 5.100 min
Delta R.T.: 0.000 min
Response: 7444793
Conc: 500.00 ng/ml



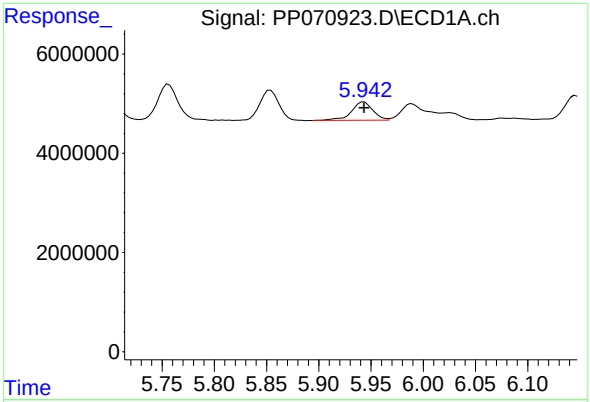

#14 AR-1232-4

R.T.: 5.854 min
Delta R.T.: 0.000 min
Response: 7853790
Conc: 500.00 ng/ml




#14 AR-1232-4

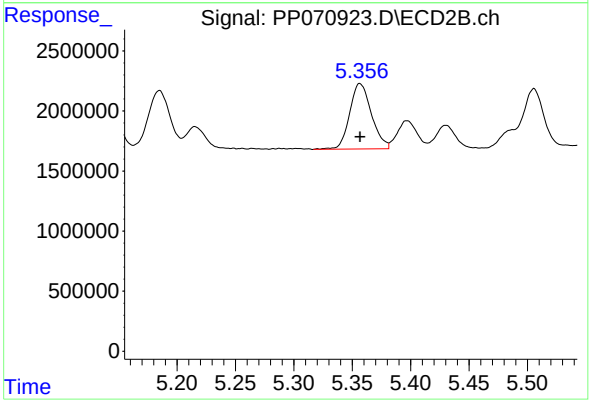
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 6402183
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 5320177
Conc: 500.00 ng/ml

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




#15 AR-1232-5

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 7087391
Conc: 500.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC50
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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... | 4.512 | 3.815 | 6633492 | 5532966 | 4.273 | 4.939 |
| 2) | SA Decachlor... | 10.226 | 8.857 | 5282830 | 3387334 | 4.676 | 4.164 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.664 | 4.902 | 2665542 | 1773341 | 60.984 | 48.354 |
| 17) | L4 AR-1242-2 | 5.687 | 4.921 | 3354217 | 3201456 | 49.372 | 61.016 |
| 18) | L4 AR-1242-3 | 5.750 | 5.098 | 2977988 | 1401755 | 74.143 | 49.661 # |
| 19) | L4 AR-1242-4 | 5.844 | 5.181 | 1598185 | 1807177 | 49.578 | 66.685 # |
| 20) | L4 AR-1242-5 | 6.576 | 5.707 | 2292388 | 1930099 | 60.410 | 59.828 |

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

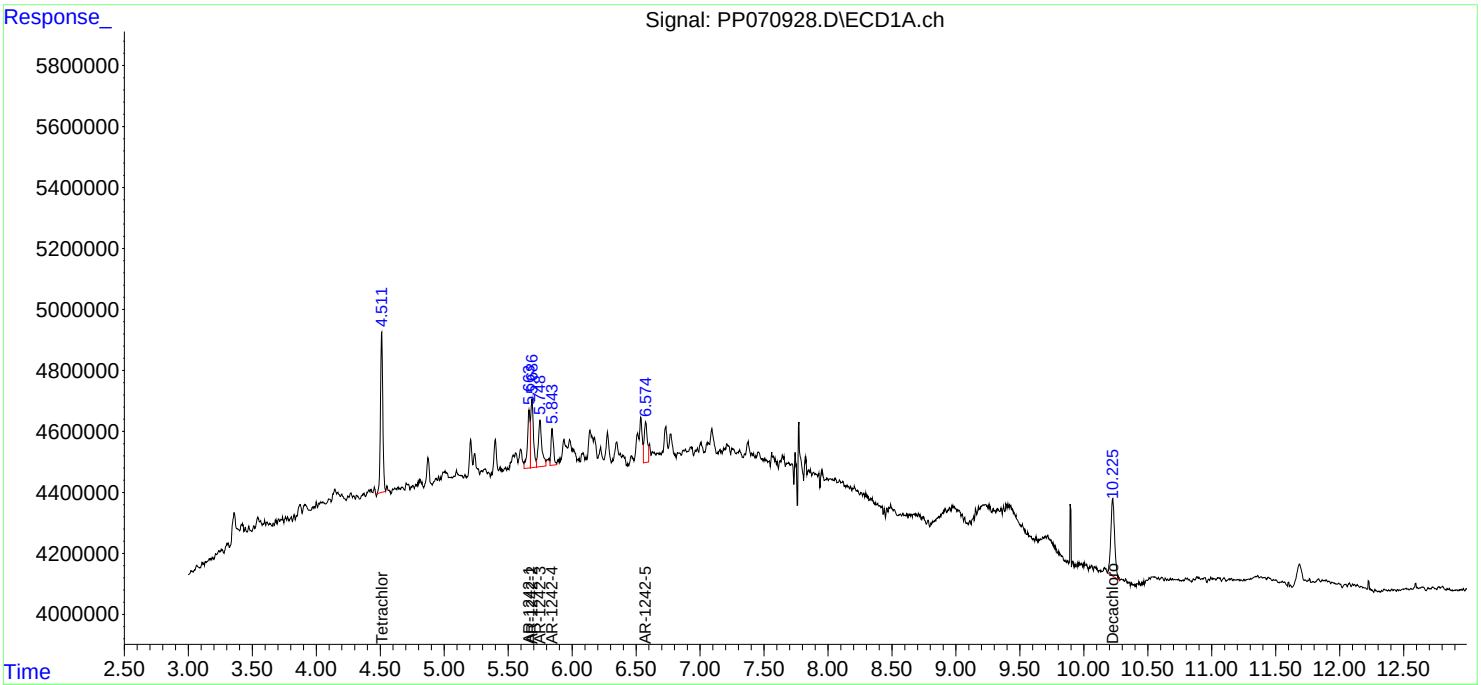
Quantitation Report (Not Reviewed)

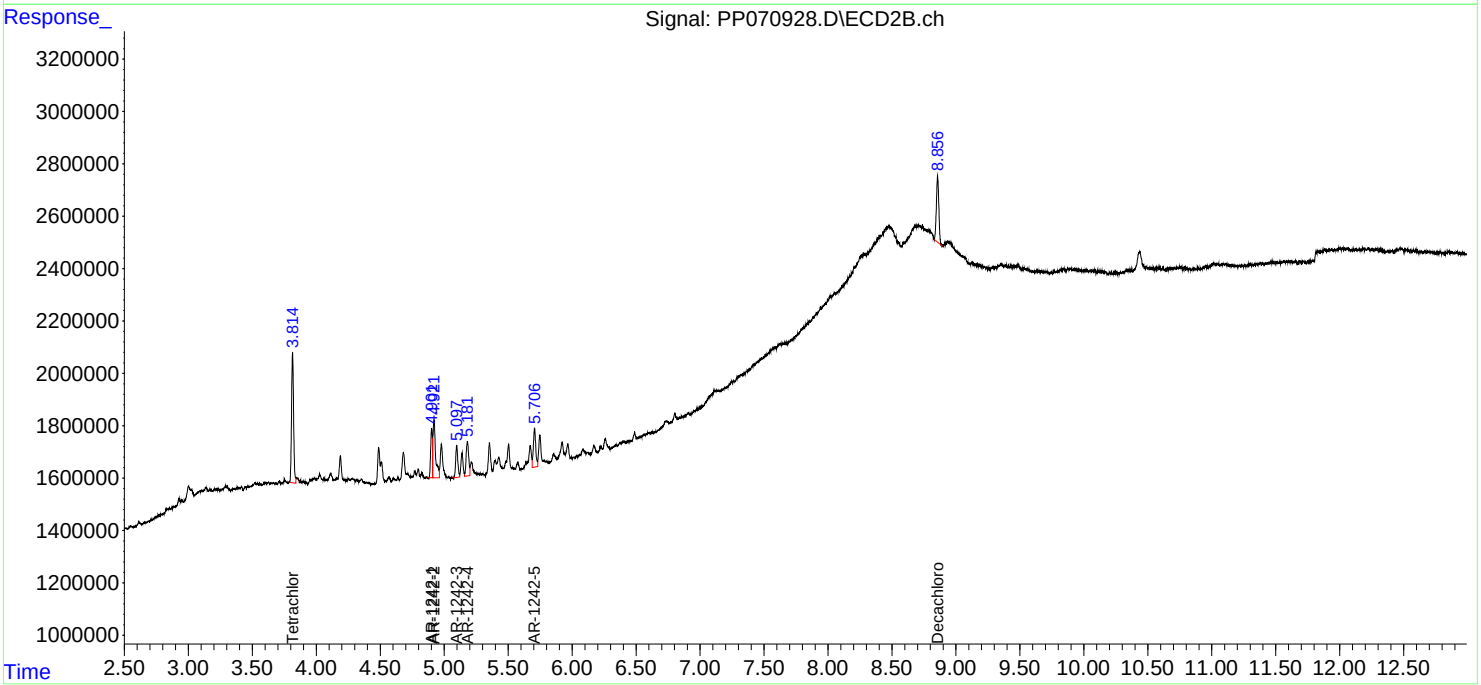
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 13:33
Operator : YP\AJ
Sample : AR1242ICC50
Misc :
ALS Vial : 14 Sample Multiplier: 1

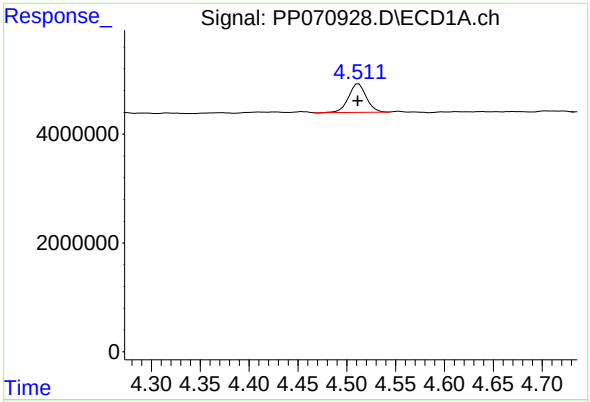
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 13:57:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 13:24:34 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



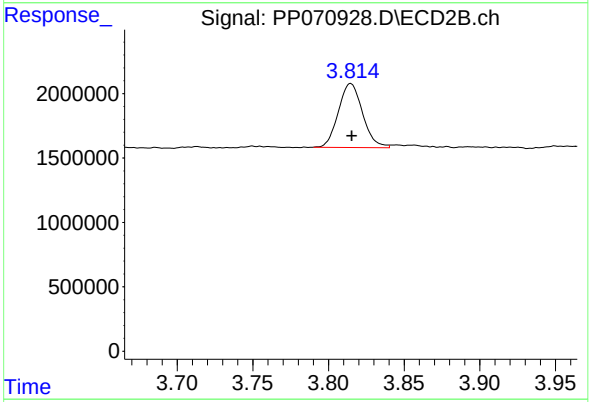






#1 Tetrachloro-m-xylene

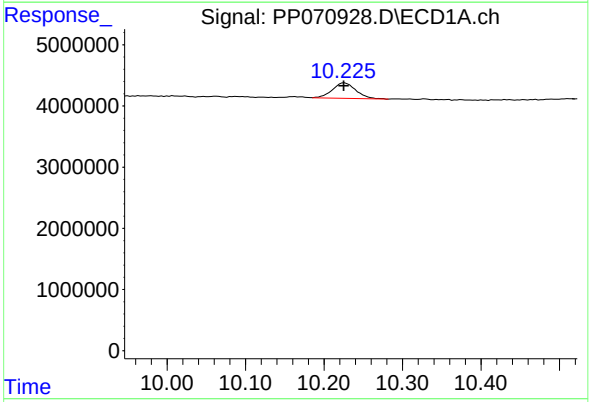
R.T.: 4.512 min
Delta R.T.: 0.001 min
Response: 6633492
Conc: 4.27 ng/ml

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



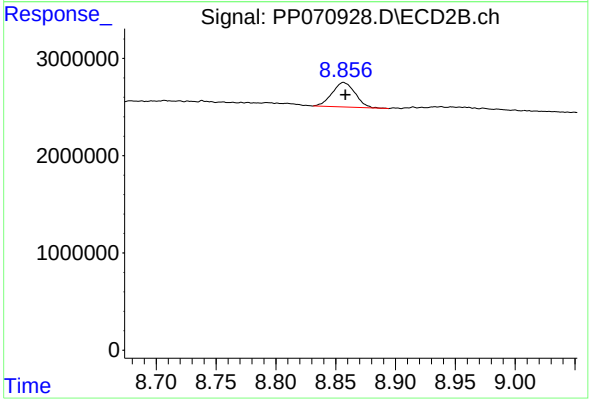

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5532966
Conc: 4.94 ng/ml



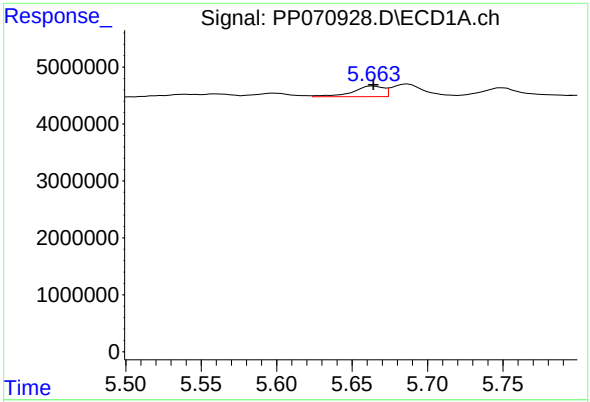

#2 Decachlorobiphenyl

R.T.: 10.226 min
Delta R.T.: 0.000 min
Response: 5282830
Conc: 4.68 ng/ml




#2 Decachlorobiphenyl

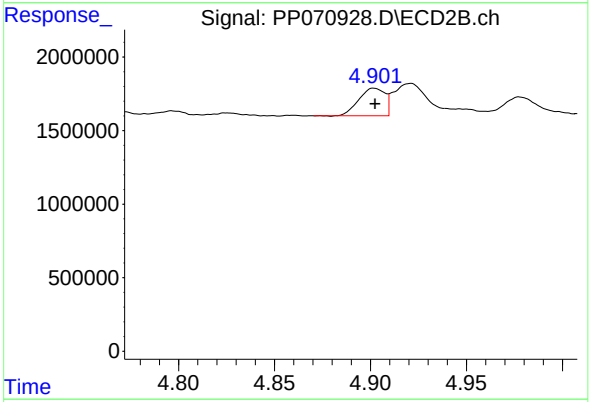
R.T.: 8.857 min
Delta R.T.: -0.001 min
Response: 3387334
Conc: 4.16 ng/ml




#16 AR-1242-1

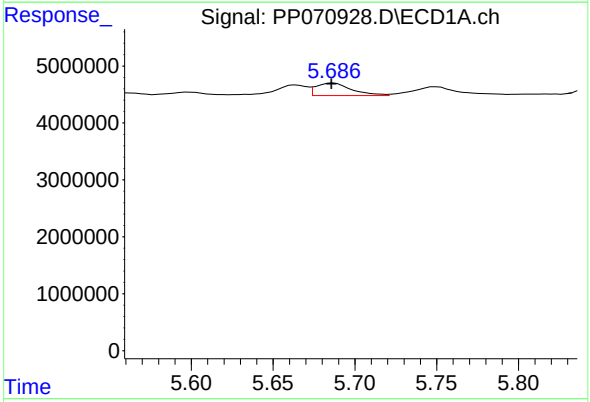
R.T.: 5.664 min
Delta R.T.: 0.000 min
Response: 2665542
Conc: 60.98 ng/ml

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



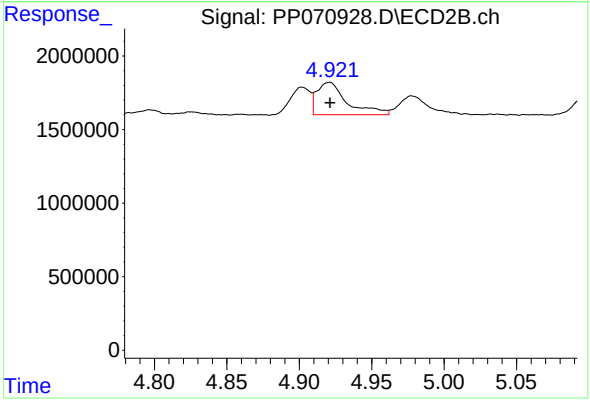

#16 AR-1242-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1773341
Conc: 48.35 ng/ml



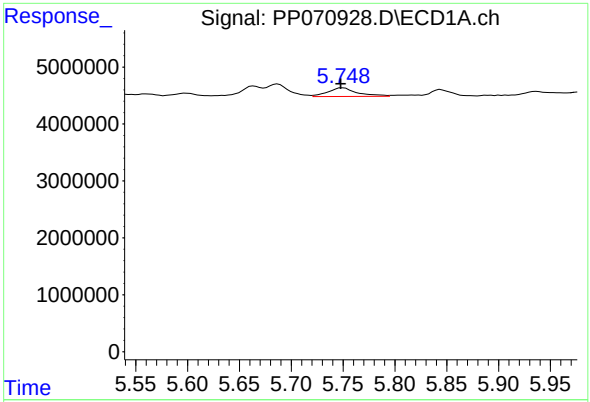

#17 AR-1242-2

R.T.: 5.687 min
Delta R.T.: 0.001 min
Response: 3354217
Conc: 49.37 ng/ml




#17 AR-1242-2

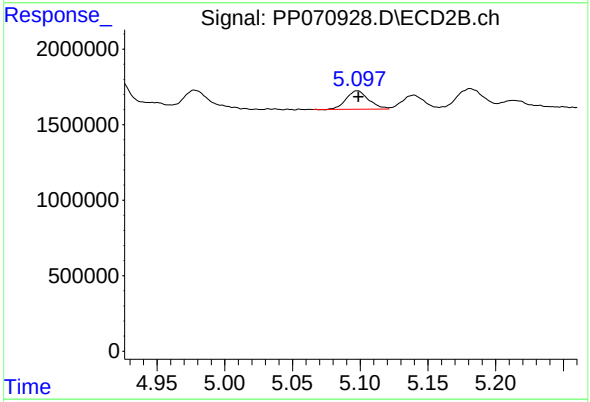
R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 3201456
Conc: 61.02 ng/ml




#18 AR-1242-3

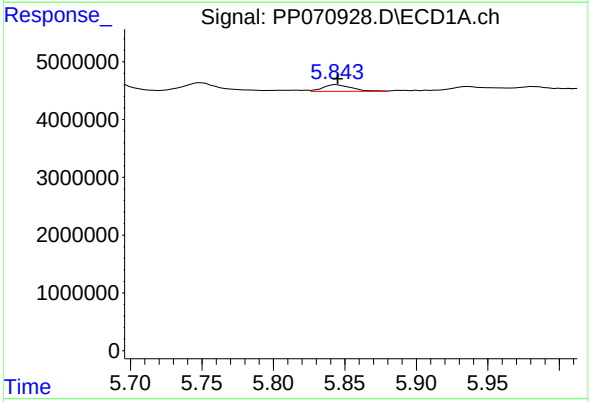
R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 2977988
Conc: 74.14 ng/ml

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



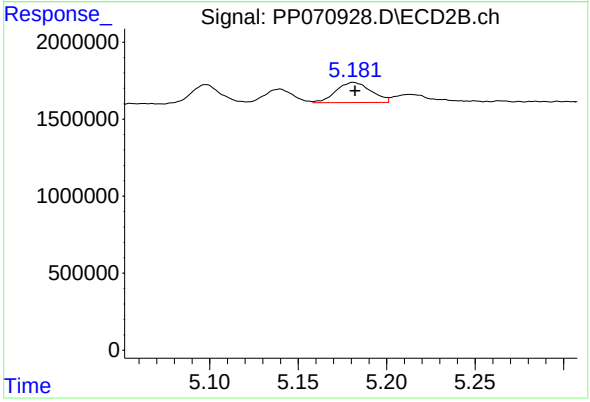

#18 AR-1242-3

R.T.: 5.098 min
Delta R.T.: 0.000 min
Response: 1401755
Conc: 49.66 ng/ml



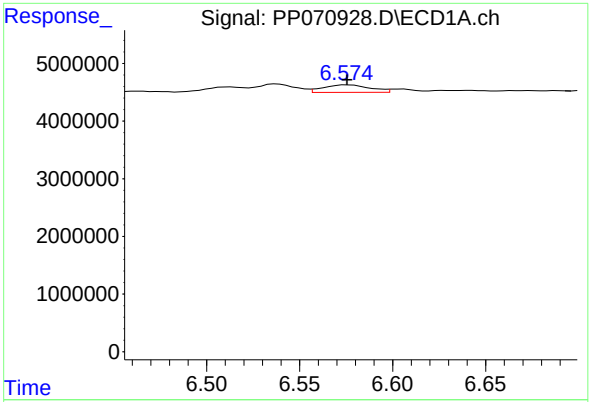

#19 AR-1242-4

R.T.: 5.844 min
Delta R.T.: 0.000 min
Response: 1598185
Conc: 49.58 ng/ml




#19 AR-1242-4

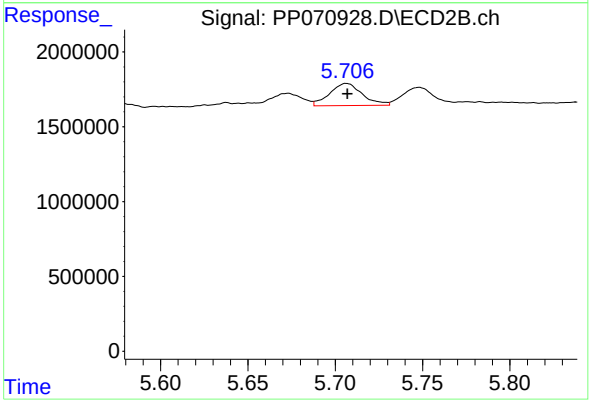
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1807177
Conc: 66.69 ng/ml




#20 AR-1242-5

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 2292388
Conc: 60.41 ng/ml

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




#20 AR-1242-5

R.T.: 5.707 min
Delta R.T.: 0.000 min
Response: 1930099
Conc: 59.83 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.513 | 3.815 | 7324663 | 5848649 | 4.791 | 5.521 |
| 2) | SA Decachlor... | 10.227 | 8.859 | 5549589 | 3661642 | 4.859 | 4.550 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.665 | 4.902 | 1857345 | 1382826 | 51.489 | 51.338 |
| 22) | L5 AR-1248-2 | 5.936 | 5.140 | 2633031 | 1982278 | 58.287 | 55.076 |
| 23) | L5 AR-1248-3 | 6.139 | 5.182 | 2192198 | 2128069 | 43.549 | 56.472 # |
| 24) | L5 AR-1248-4 | 6.538 | 5.354 | 3237397 | 2437650 | 49.085 | 55.103 |
| 25) | L5 AR-1248-5 | 6.578 | 5.748 | 3690931 | 2234402 | 59.064 | 52.978 |

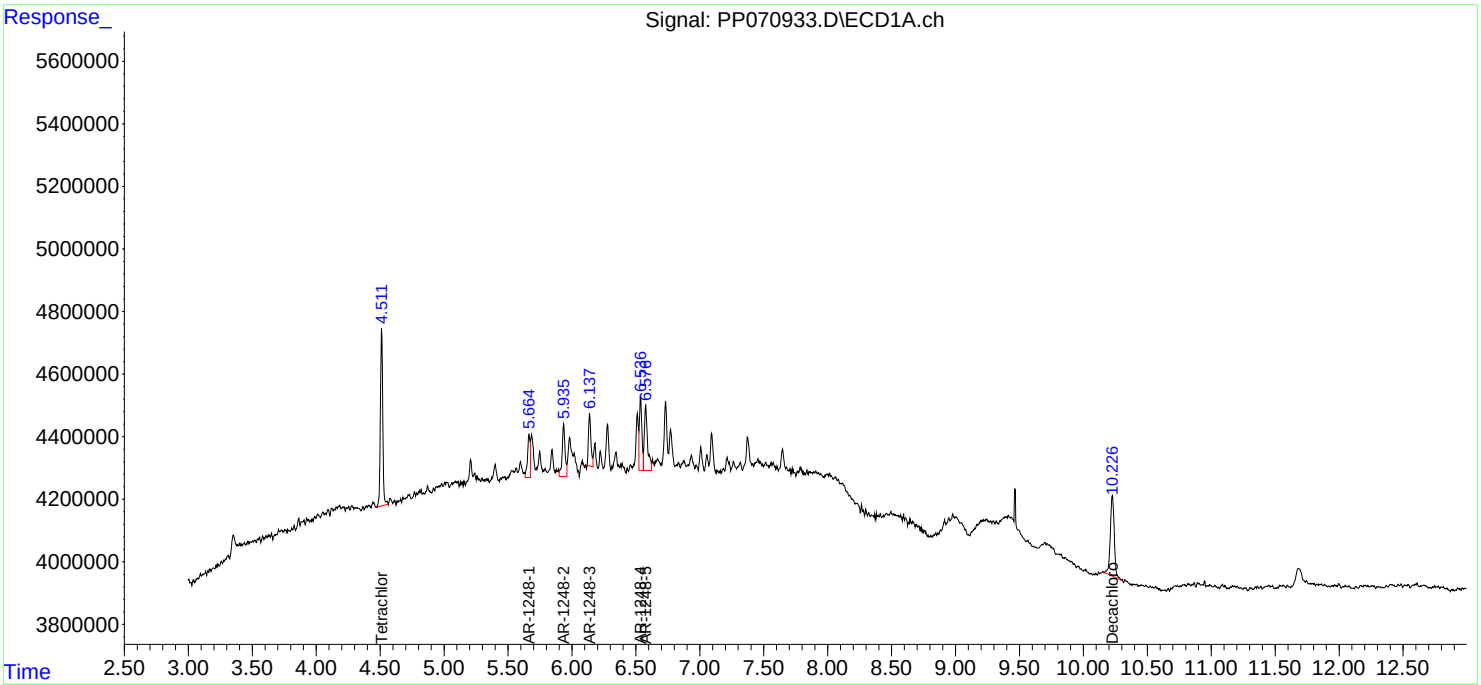
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

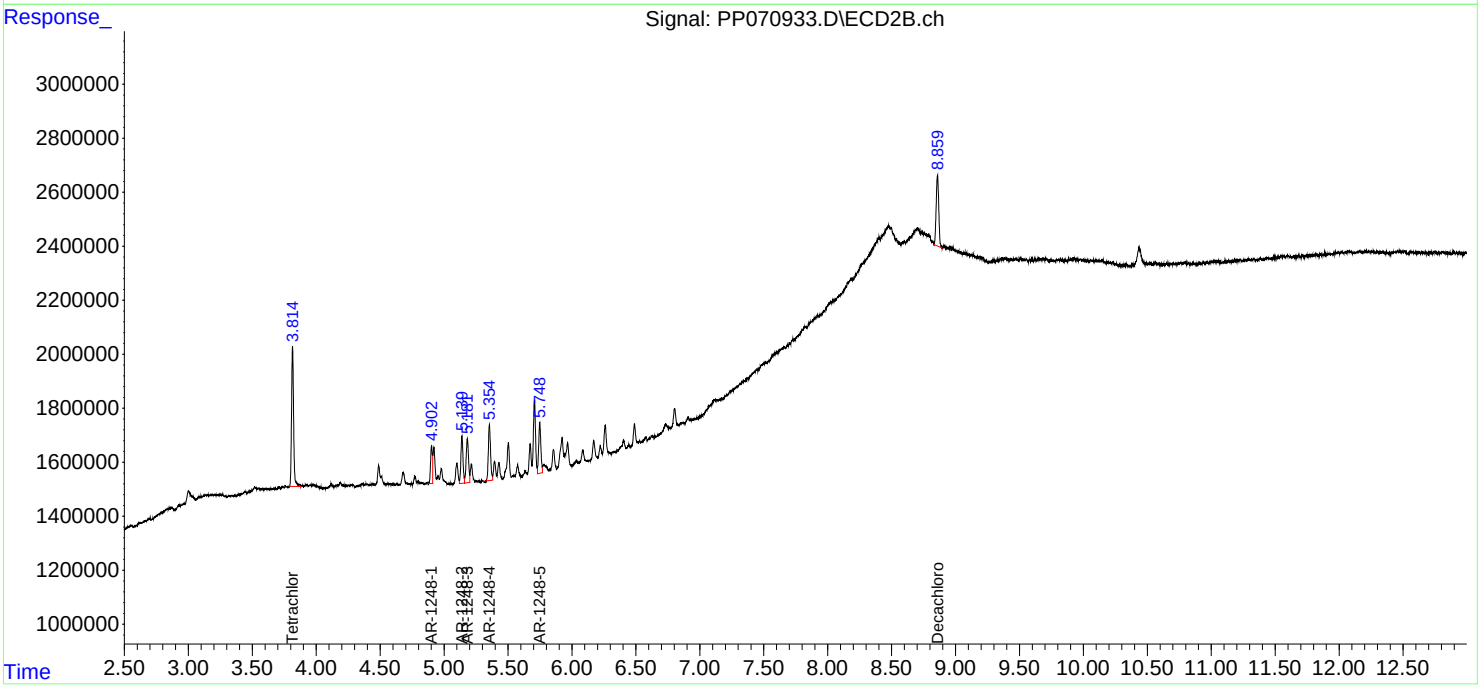
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 14:55
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

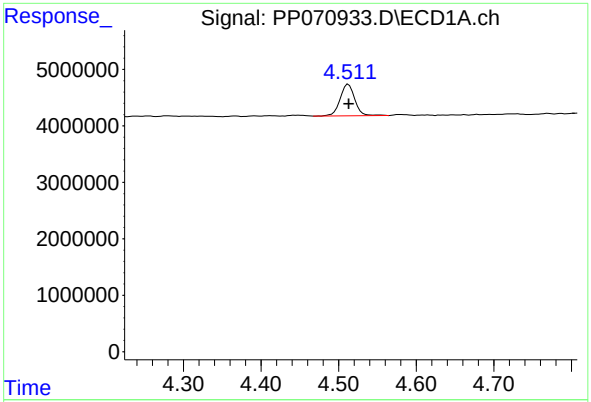
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 15:16:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 15:04:54 2025
Response via : Initial Calibration
Integrator: ChemStation

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



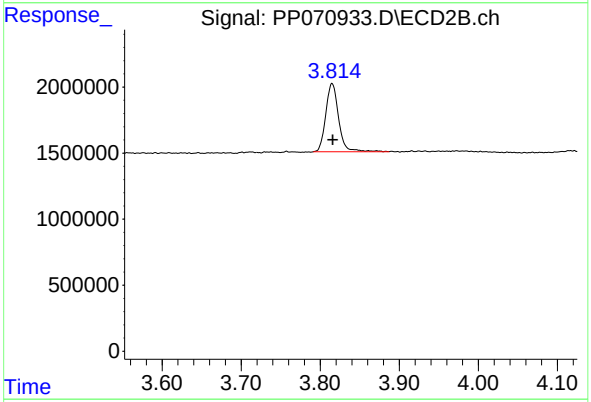






#1 Tetrachloro-m-xylene

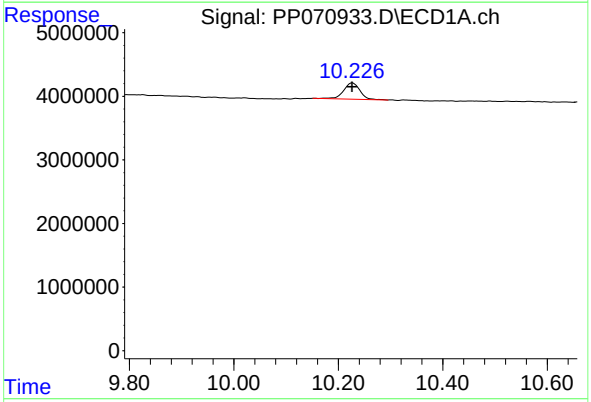
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 7324663
Conc: 4.79 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



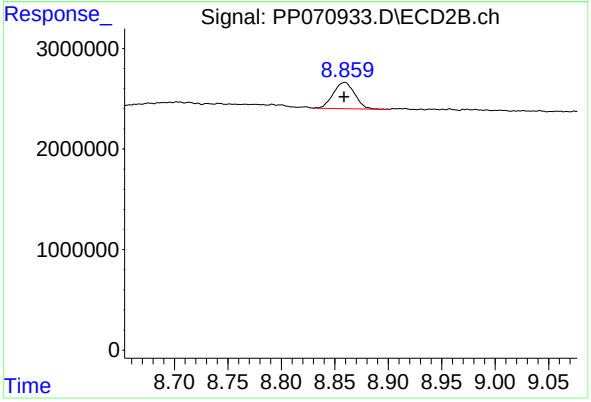

#1 Tetrachloro-m-xylene

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 5848649
Conc: 5.52 ng/ml



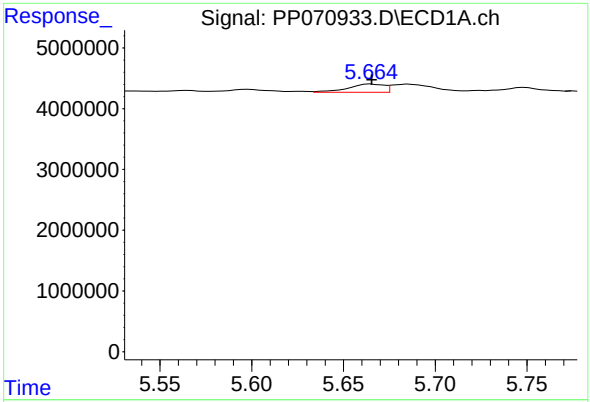

#2 Decachlorobiphenyl

R.T.: 10.227 min
Delta R.T.: 0.000 min
Response: 5549589
Conc: 4.86 ng/ml




#2 Decachlorobiphenyl

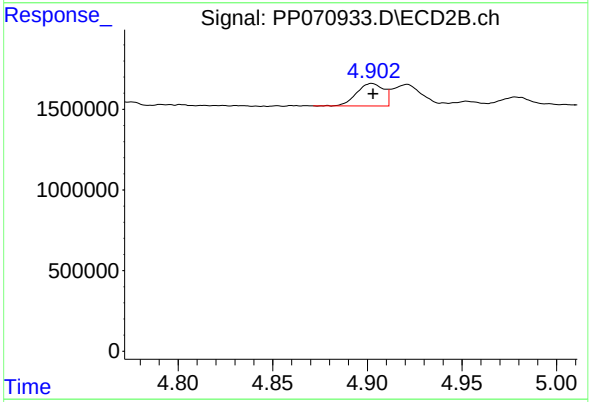
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 3661642
Conc: 4.55 ng/ml




#21 AR-1248-1

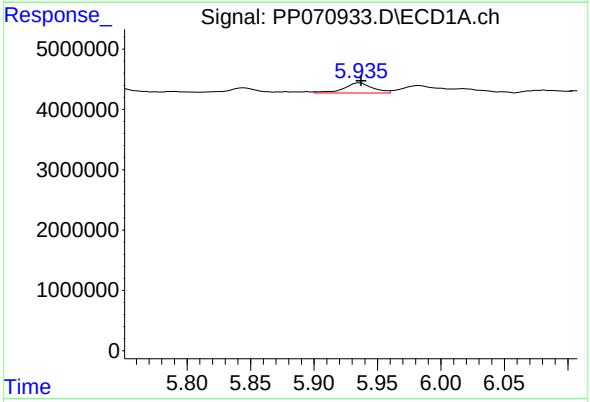
R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 1857345
Conc: 51.49 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



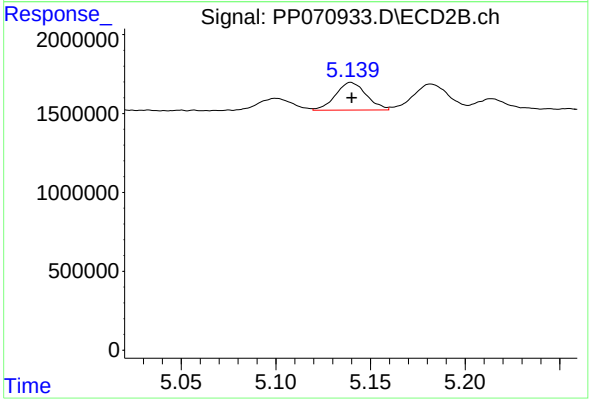

#21 AR-1248-1

R.T.: 4.902 min
Delta R.T.: 0.000 min
Response: 1382826
Conc: 51.34 ng/ml



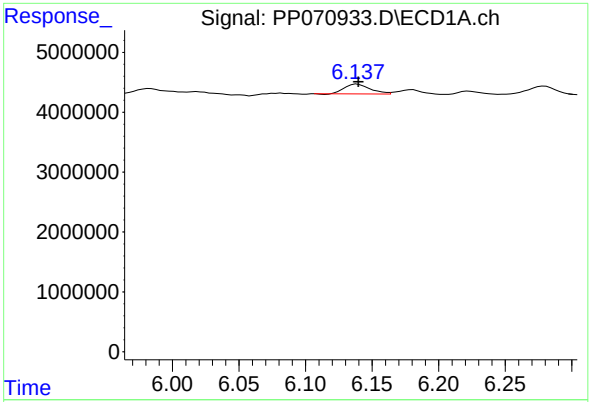

#22 AR-1248-2

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 2633031
Conc: 58.29 ng/ml




#22 AR-1248-2

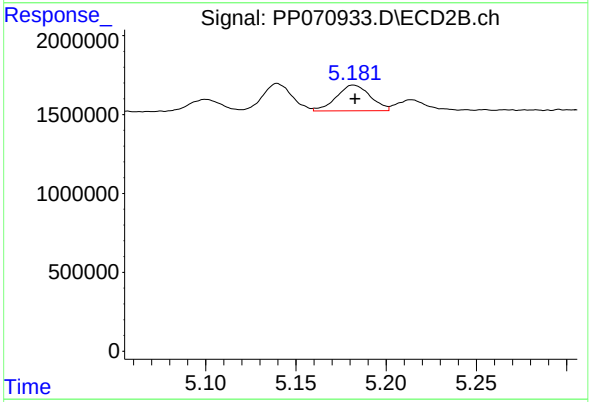
R.T.: 5.140 min
Delta R.T.: 0.000 min
Response: 1982278
Conc: 55.08 ng/ml




#23 AR-1248-3

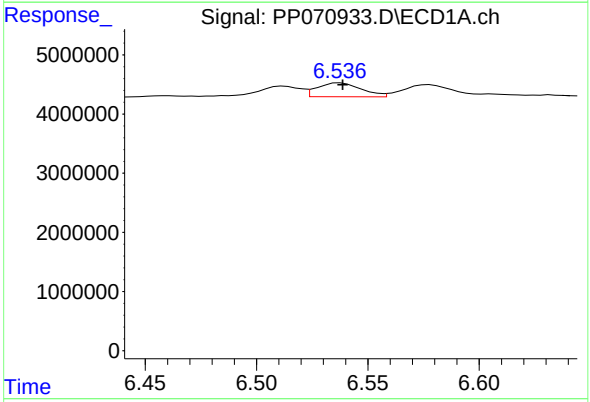
R.T.: 6.139 min
Delta R.T.: 0.000 min
Response: 2192198
Conc: 43.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



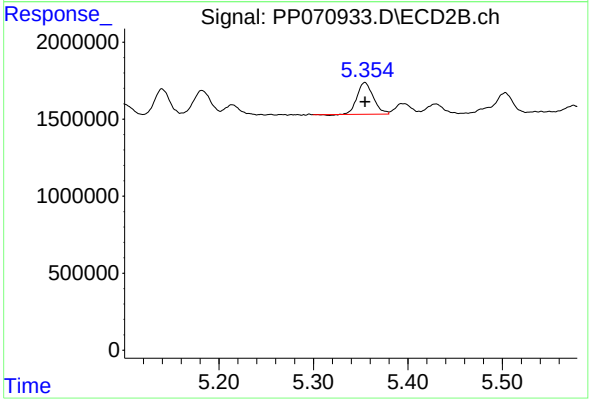

#23 AR-1248-3

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 2128069
Conc: 56.47 ng/ml



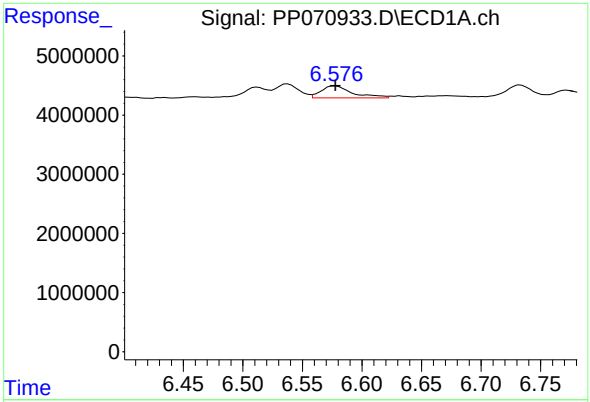

#24 AR-1248-4

R.T.: 6.538 min
Delta R.T.: -0.001 min
Response: 3237397
Conc: 49.09 ng/ml




#24 AR-1248-4

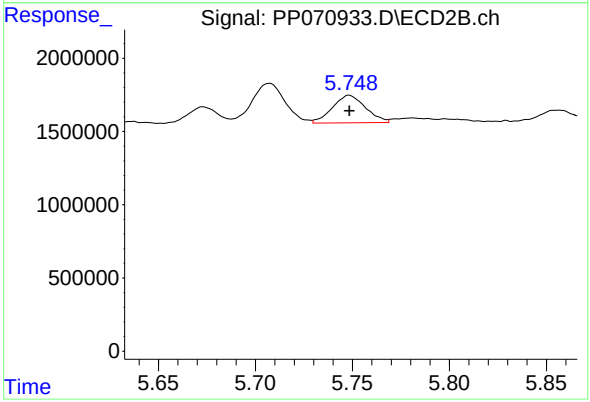
R.T.: 5.354 min
Delta R.T.: 0.000 min
Response: 2437650
Conc: 55.10 ng/ml




#25 AR-1248-5

R.T.: 6.578 min
Delta R.T.: 0.000 min
Response: 3690931
Conc: 59.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050




#25 AR-1248-5

R.T.: 5.748 min
Delta R.T.: 0.000 min
Response: 2234402
Conc: 52.98 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 150.1E6 | 104.3E6 | 95.275 | 94.048 |
| 2) | SA Decachlor... | 10.231 | 8.860 | 109.5E6 | 78348381 | 93.754 | 86.018 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.516 | 5.709 | 60157506 | 58928147 | 918.830 | 891.736 |
| 27) | L6 AR-1254-2 | 6.732 | 5.857 | 92838442 | 50145967 | 911.948 | 882.952 |
| 28) | L6 AR-1254-3 | 7.095 | 6.261 | 92334650 | 77448562 | 928.765 | 882.456 |
| 29) | L6 AR-1254-4 | 7.379 | 6.490 | 84238161 | 49998215 | 970.458 | 893.353 |
| 30) | L6 AR-1254-5 | 7.793 | 6.908 | 87302185 | 65979008 | 1079.742 | 918.596 |

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

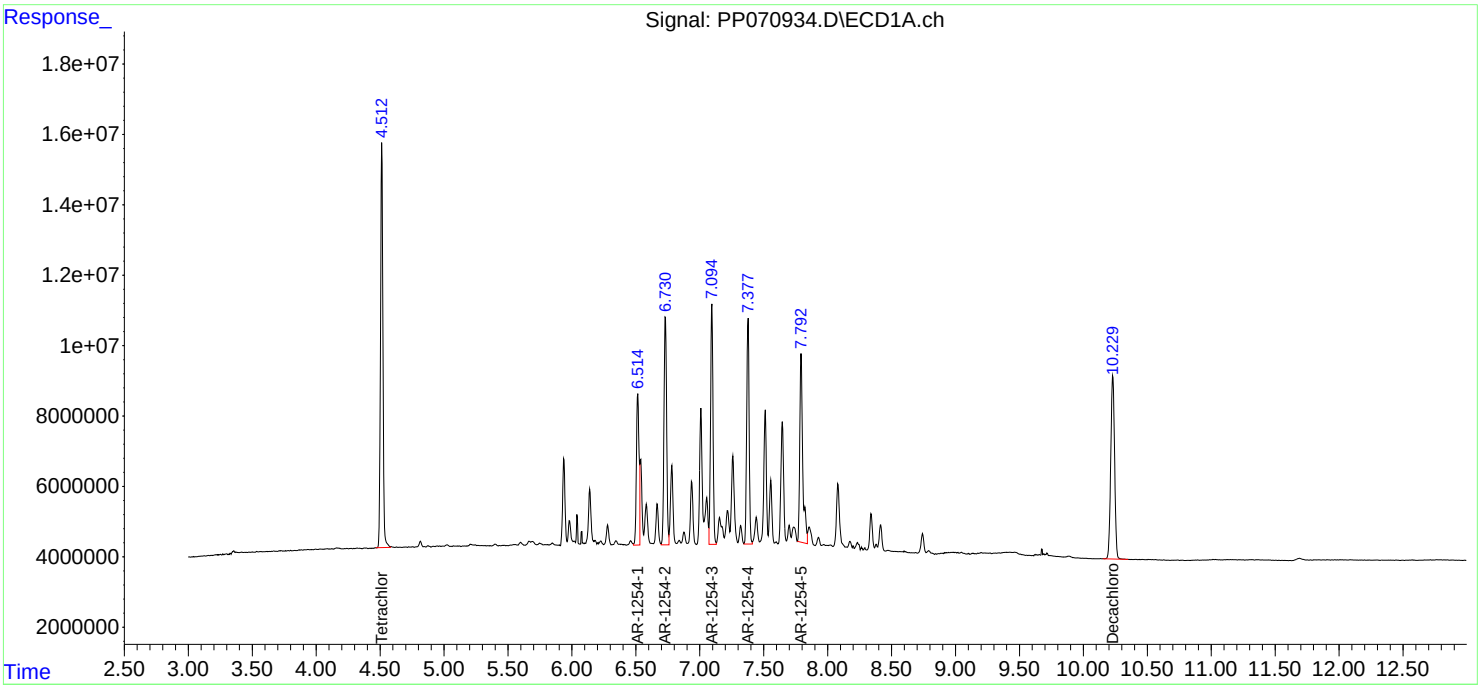
Quantitation Report (Not Reviewed)

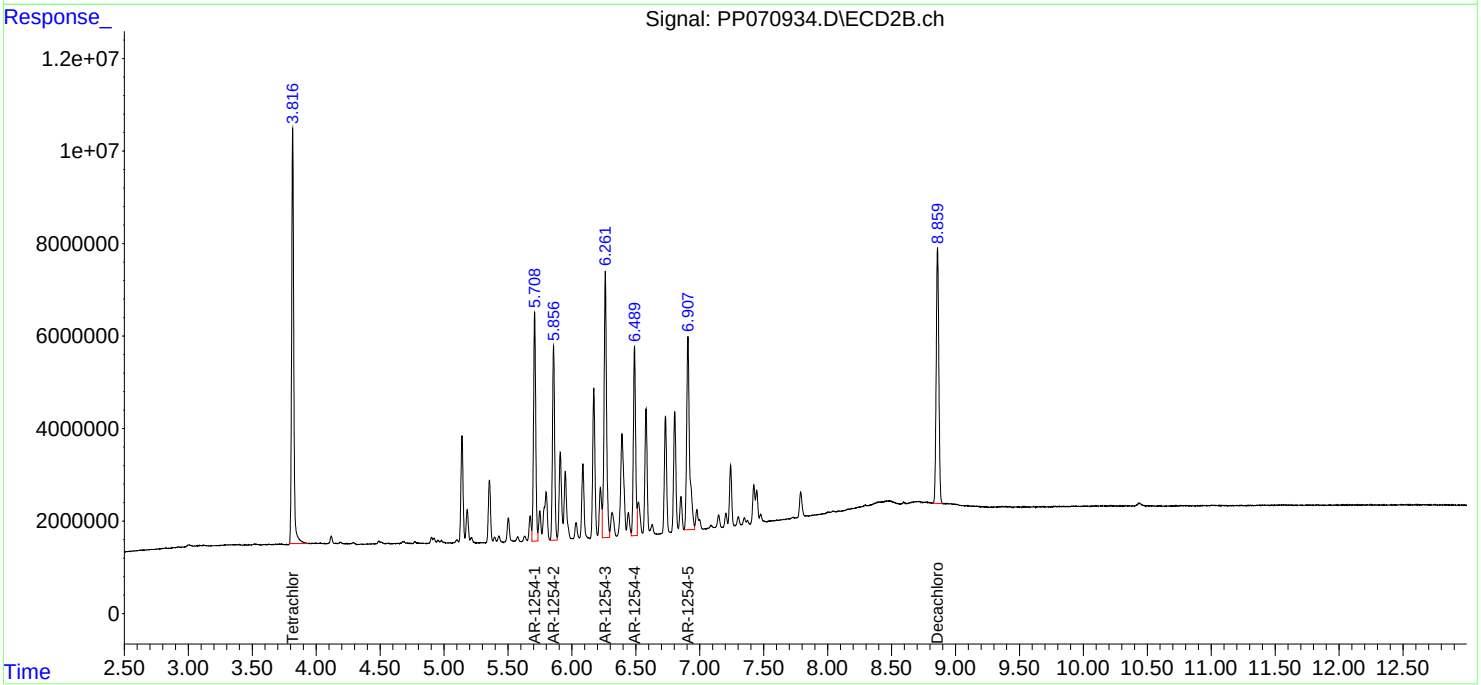
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:11
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

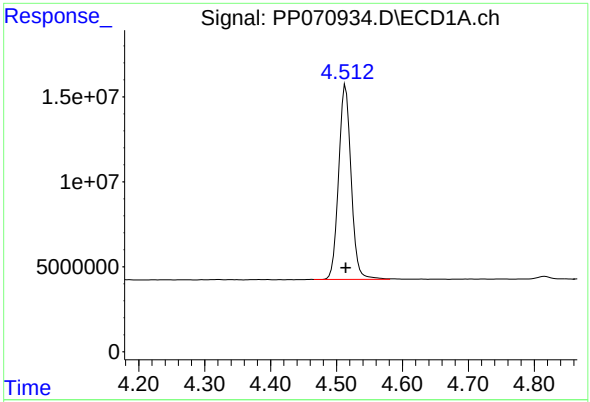
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



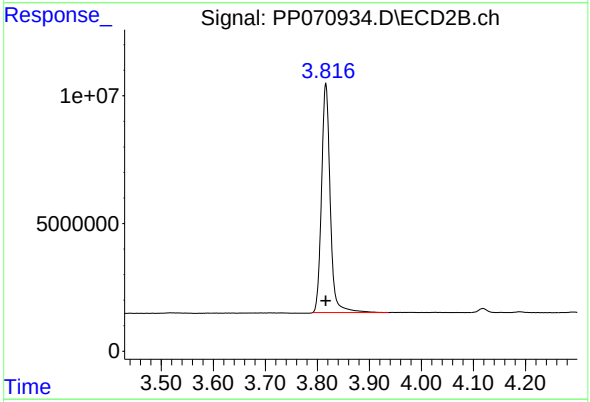






#1 Tetrachloro-m-xylene

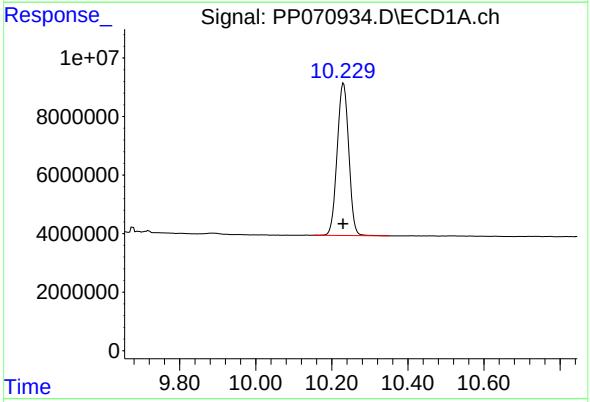
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 150128836
Conc: 95.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



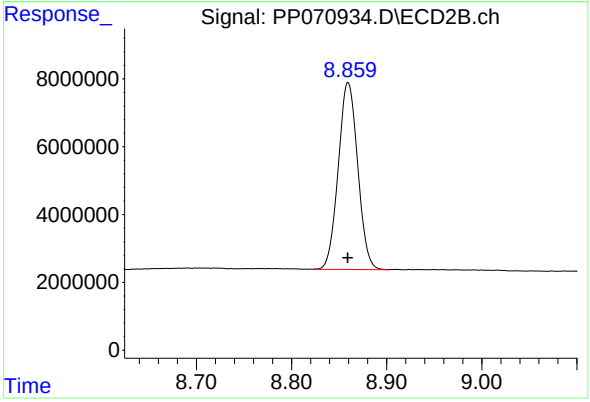

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 104259560
Conc: 94.05 ng/ml



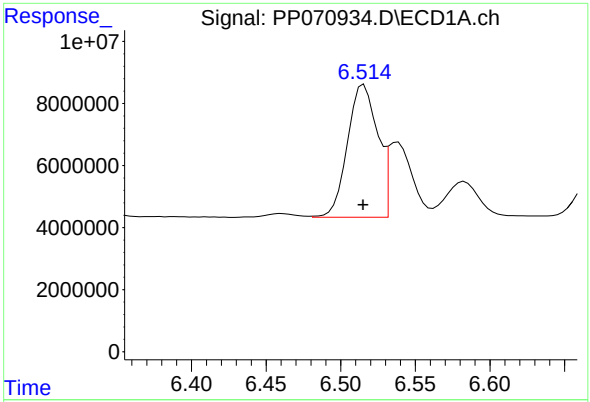

#2 Decachlorobiphenyl

R.T.: 10.231 min
Delta R.T.: 0.001 min
Response: 109543241
Conc: 93.75 ng/ml




#2 Decachlorobiphenyl

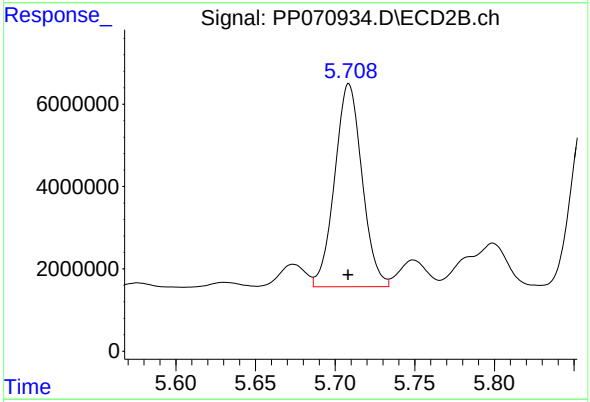
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78348381
Conc: 86.02 ng/ml




#26 AR-1254-1

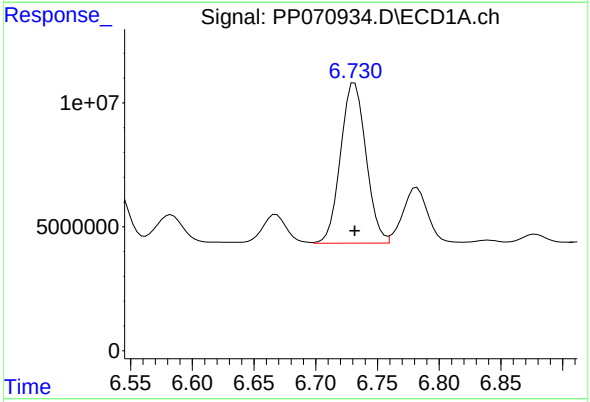
R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 60157506
Conc: 918.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



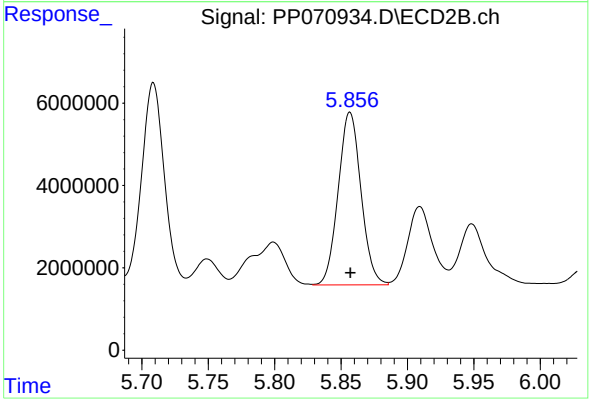

#26 AR-1254-1

R.T.: 5.709 min
Delta R.T.: 0.000 min
Response: 58928147
Conc: 891.74 ng/ml



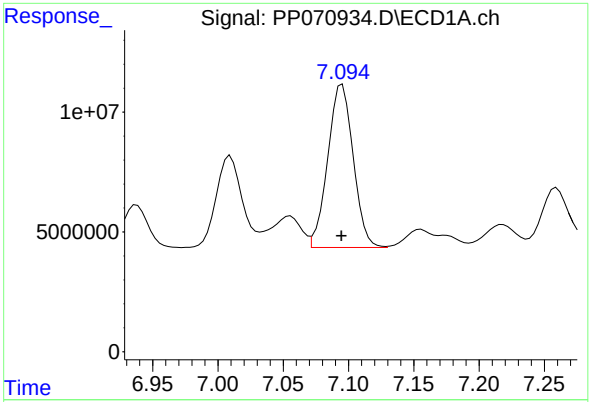

#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 92838442
Conc: 911.95 ng/ml




#27 AR-1254-2

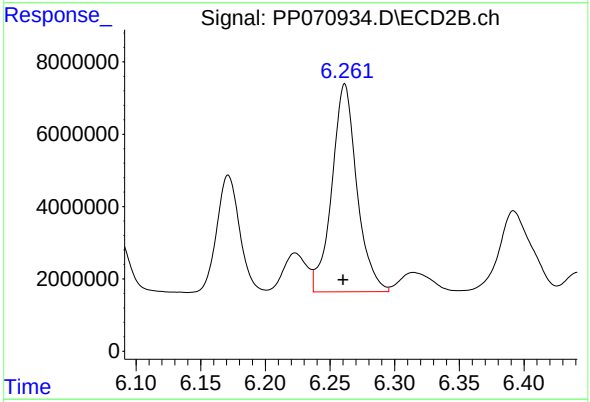
R.T.: 5.857 min
Delta R.T.: 0.000 min
Response: 50145967
Conc: 882.95 ng/ml




#28 AR-1254-3

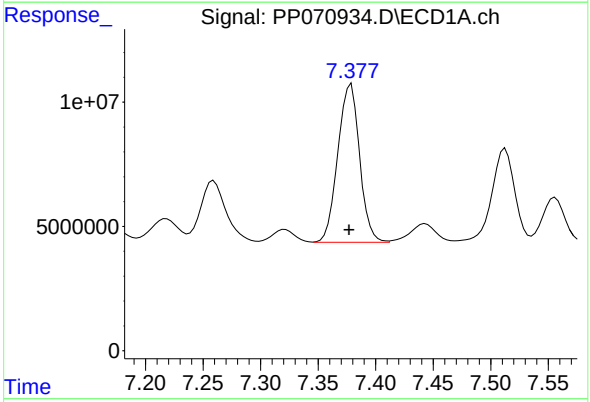
R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 92334650
Conc: 928.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



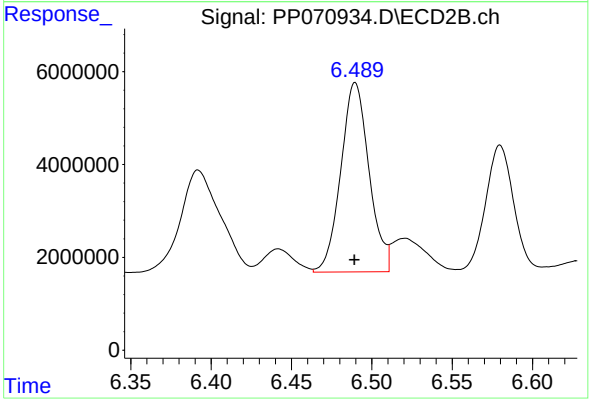

#28 AR-1254-3

R.T.: 6.261 min
Delta R.T.: 0.001 min
Response: 77448562
Conc: 882.46 ng/ml



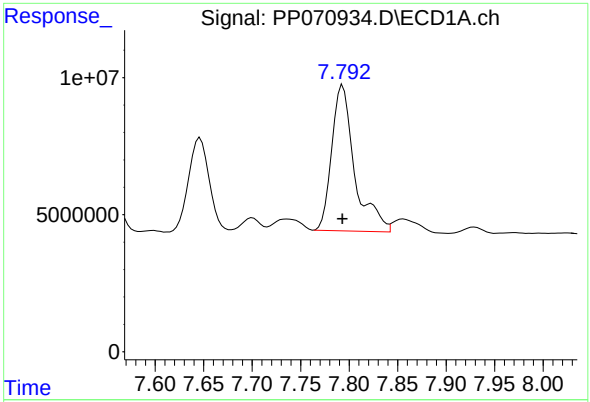

#29 AR-1254-4

R.T.: 7.379 min
Delta R.T.: 0.002 min
Response: 84238161
Conc: 970.46 ng/ml




#29 AR-1254-4

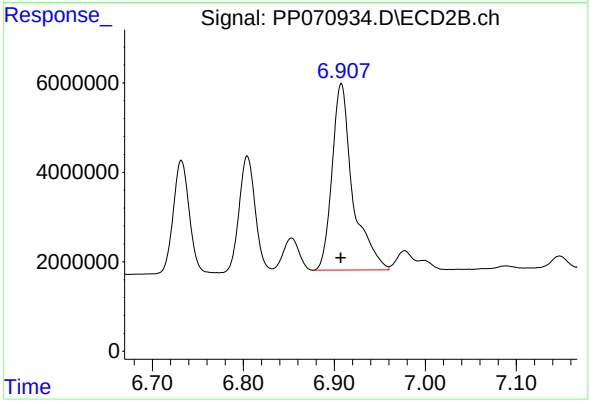
R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 49998215
Conc: 893.35 ng/ml




#30 AR-1254-5

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 87302185
Conc: 1079.74 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000




#30 AR-1254-5

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 65979008
Conc: 918.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 116.3E6 | 81865229 | 73.835 | 73.847 |
| 2) | SA Decachlor... | 10.228 | 8.859 | 85851924 | 59713645 | 73.477 | 65.559 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.515 | 5.708 | 47300573 | 46349687 | 722.456 | 701.391 |
| 27) | L6 AR-1254-2 | 6.731 | 5.856 | 72785411 | 40339655 | 714.968 | 710.286 |
| 28) | L6 AR-1254-3 | 7.094 | 6.260 | 73541603 | 62731680 | 739.732 | 714.771 |
| 29) | L6 AR-1254-4 | 7.377 | 6.490 | 65835410 | 40961211 | 758.451 | 731.883 |
| 30) | L6 AR-1254-5 | 7.793 | 6.907 | 68599534 | 53519032 | 848.430 | 745.122 |

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

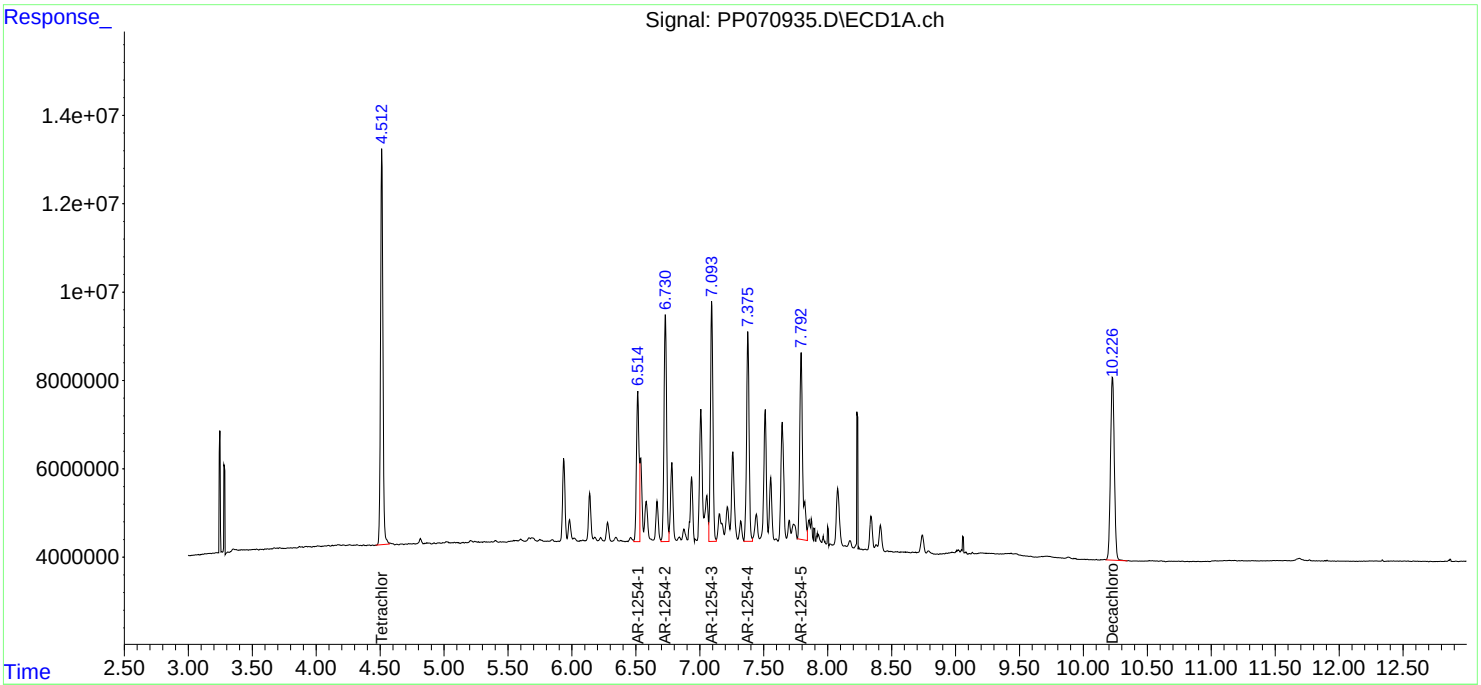
Quantitation Report (Not Reviewed)

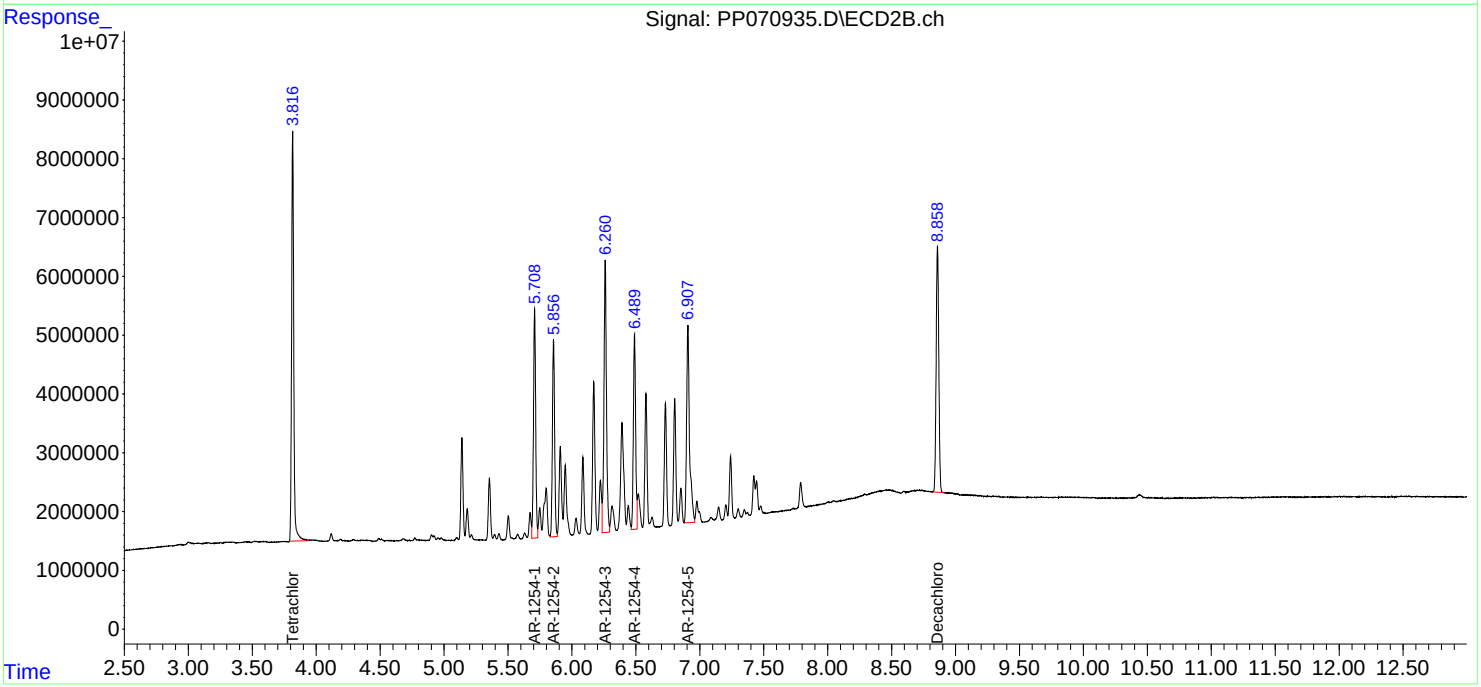
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 15:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

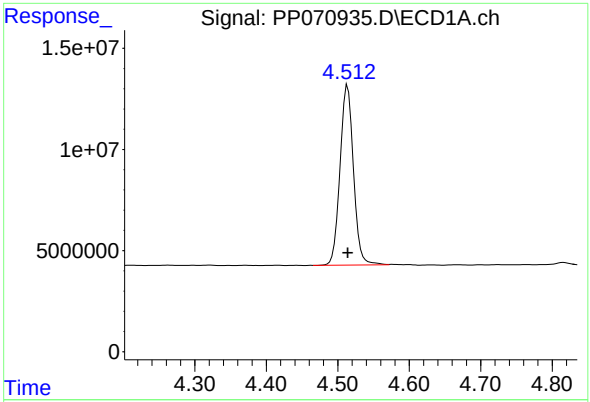
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:19:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



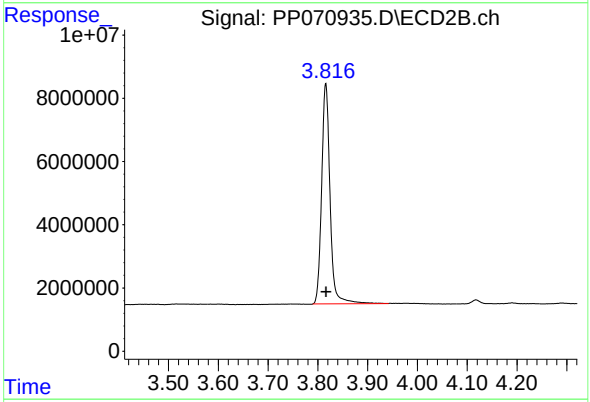






#1 Tetrachloro-m-xylene

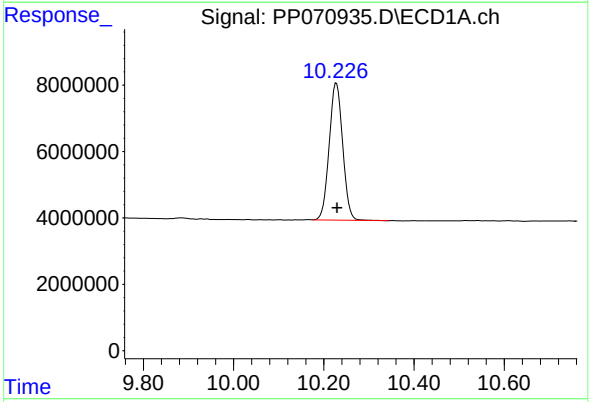
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 116345667
Conc: 73.84 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



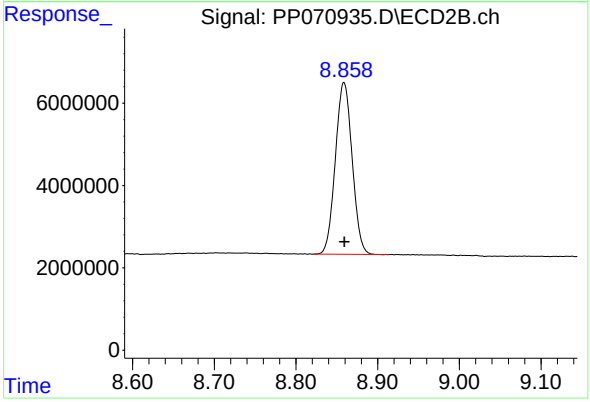

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 81865229
Conc: 73.85 ng/ml



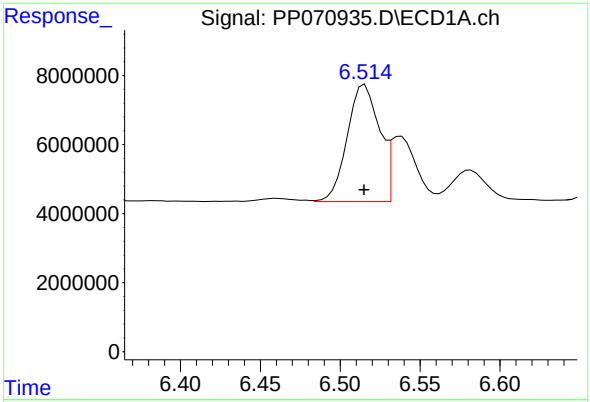

#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 85851924
Conc: 73.48 ng/ml




#2 Decachlorobiphenyl

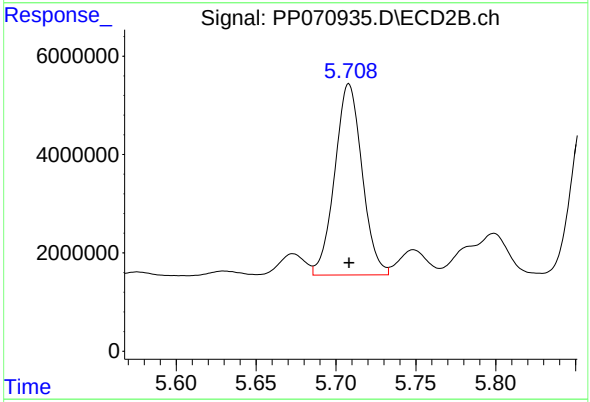
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 59713645
Conc: 65.56 ng/ml




#26 AR-1254-1

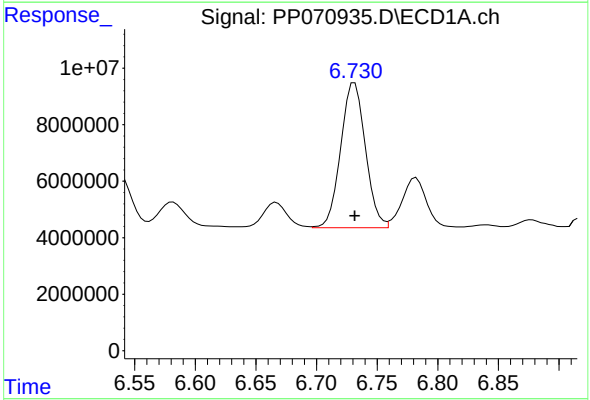
R.T.: 6.515 min
Delta R.T.: 0.000 min
Response: 47300573
Conc: 722.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



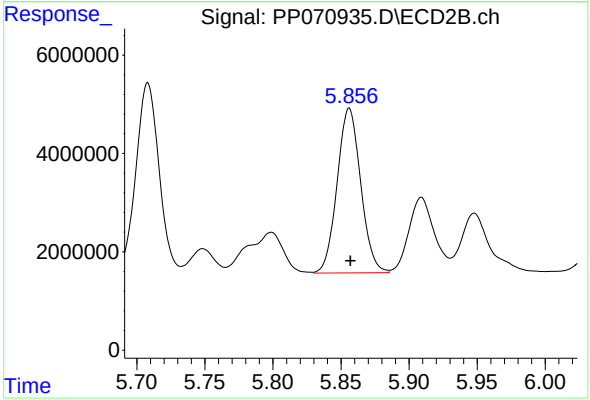

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 46349687
Conc: 701.39 ng/ml



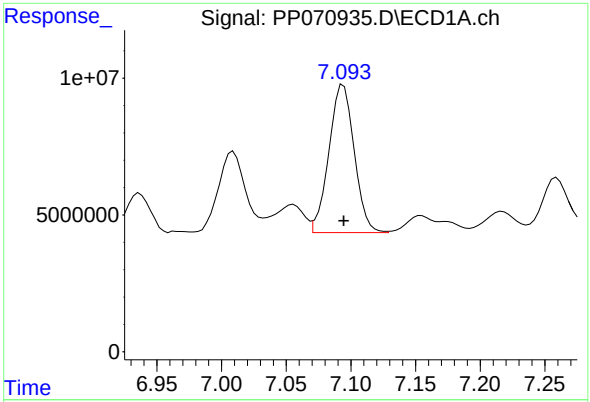

#27 AR-1254-2

R.T.: 6.731 min
Delta R.T.: 0.000 min
Response: 72785411
Conc: 714.97 ng/ml




#27 AR-1254-2

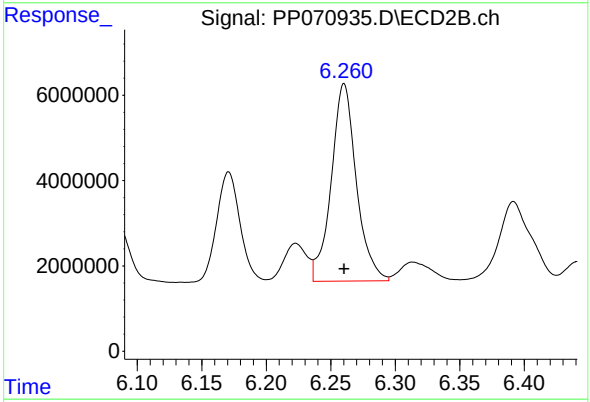
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 40339655
Conc: 710.29 ng/ml




#28 AR-1254-3

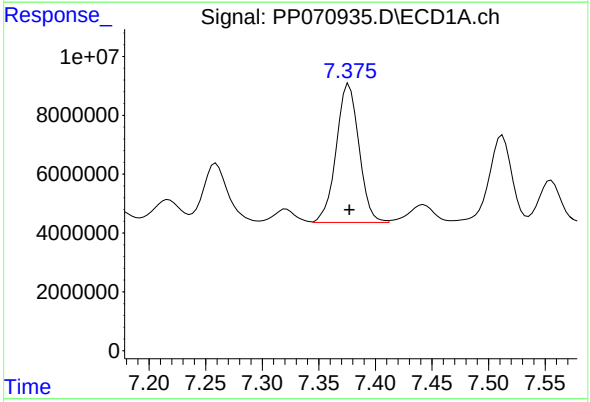
R.T.: 7.094 min
Delta R.T.: 0.000 min
Response: 73541603
Conc: 739.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750



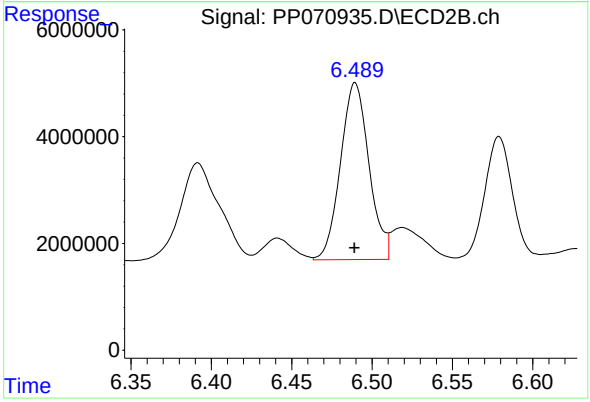

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 62731680
Conc: 714.77 ng/ml



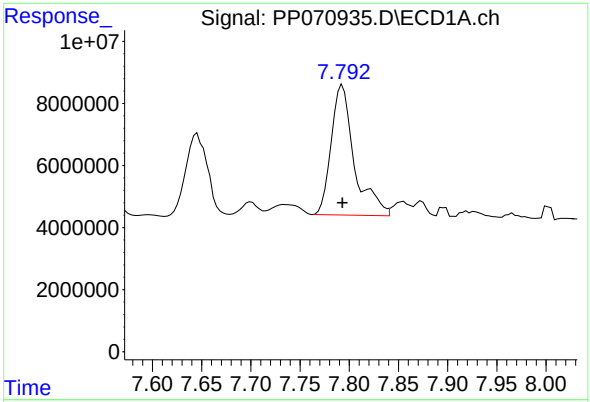

#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 65835410
Conc: 758.45 ng/ml




#29 AR-1254-4

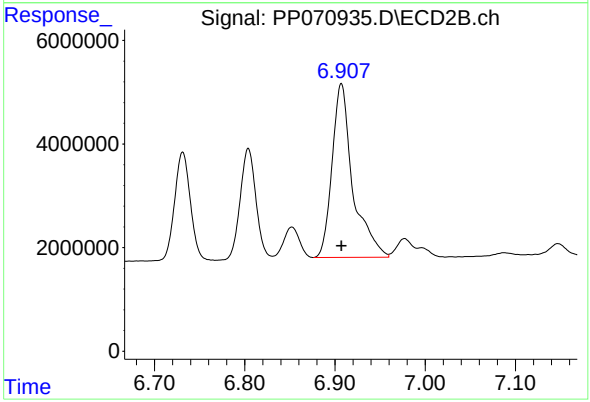
R.T.: 6.490 min
Delta R.T.: 0.000 min
Response: 40961211
Conc: 731.88 ng/ml




#30 AR-1254-5

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 68599534
Conc: 848.43 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 53519032
Conc: 745.12 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.514 | 3.816 | 40672603 | 29879101 | 25.812 | 26.953 |
| 2) | SA Decachlor... | 10.230 | 8.859 | 29858259 | 21257096 | 25.554 | 23.338 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.516 | 5.708 | 16701604 | 18446961 | 255.096 | 279.151 |
| 27) | L6 AR-1254-2 | 6.732 | 5.856 | 26389026 | 16008677 | 259.218 | 281.875 |
| 28) | L6 AR-1254-3 | 7.095 | 6.260 | 25960285 | 24772594 | 261.126 | 282.261 |
| 29) | L6 AR-1254-4 | 7.377 | 6.489 | 22197209 | 16043587 | 255.721 | 286.662 |
| 30) | L6 AR-1254-5 | 7.793 | 6.907 | 23415043 | 20606411 | 289.594 | 286.894 |

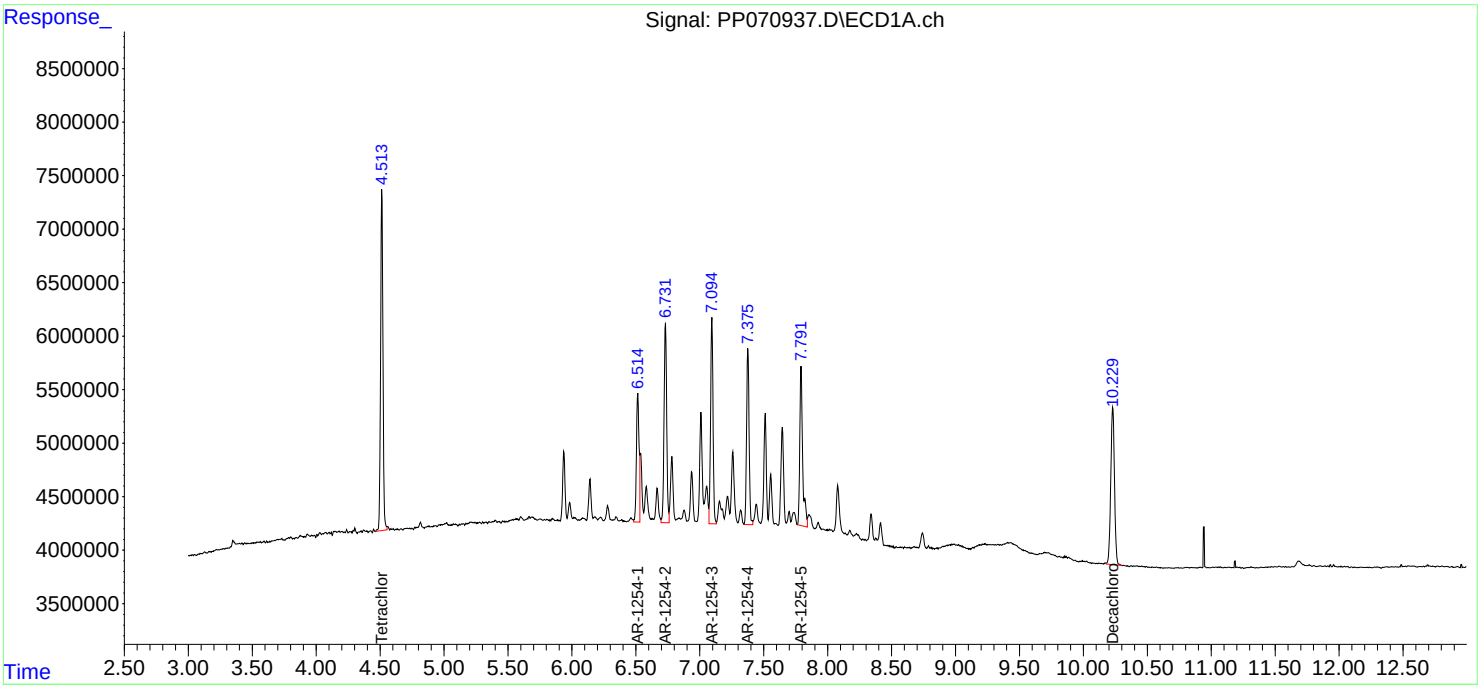
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

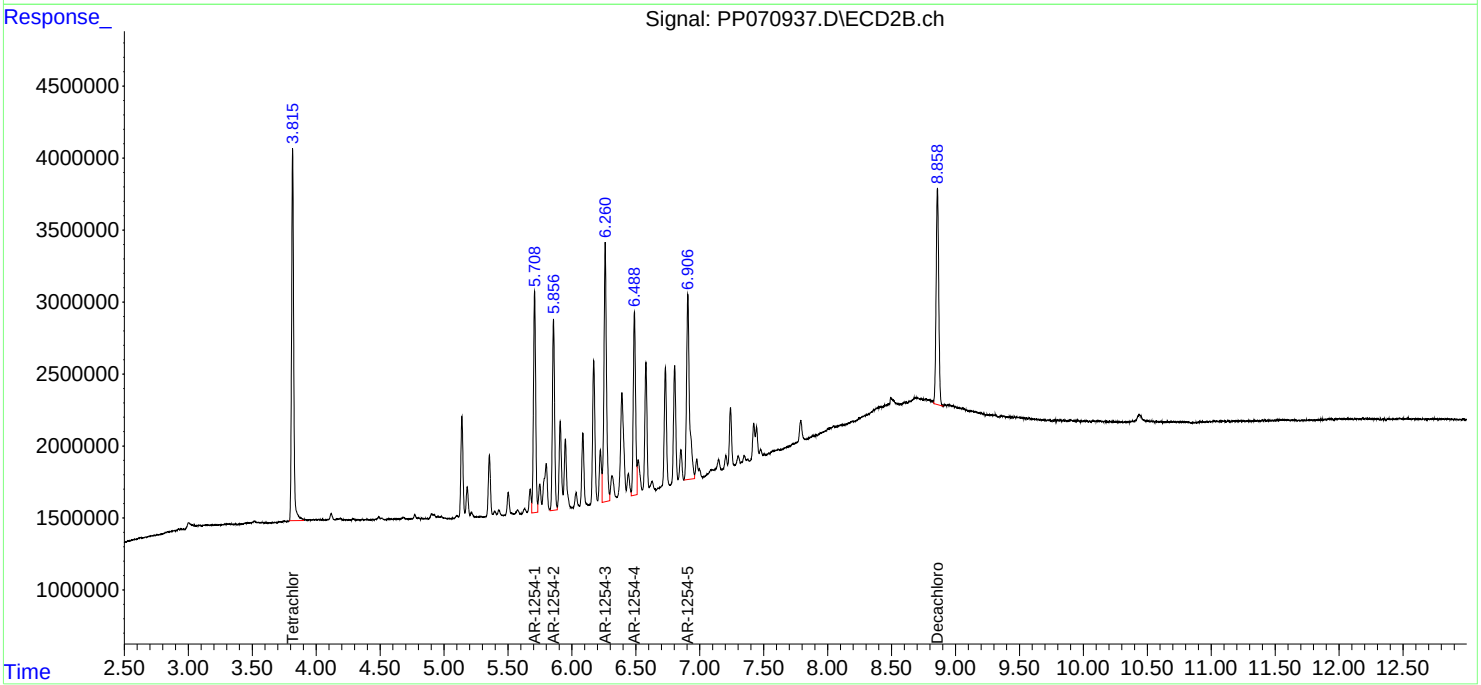
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:00
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

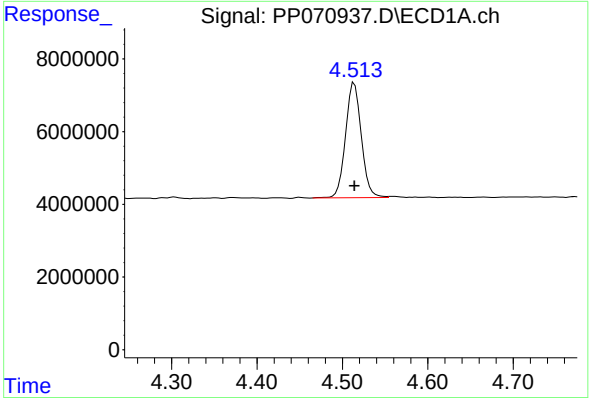
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 16:20:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 16:07:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



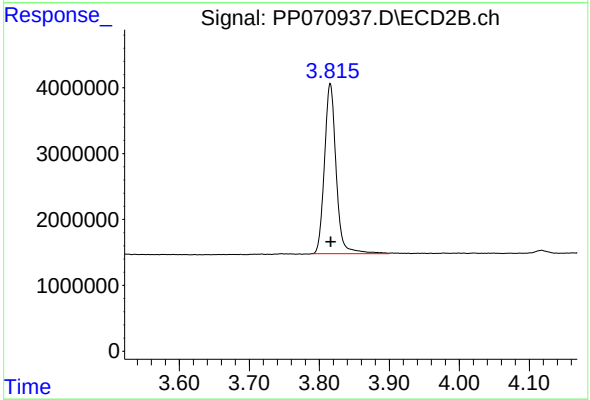






#1 Tetrachloro-m-xylene

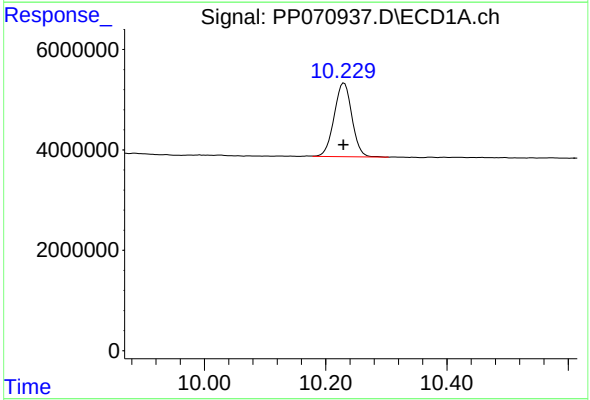
R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 40672603
Conc: 25.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



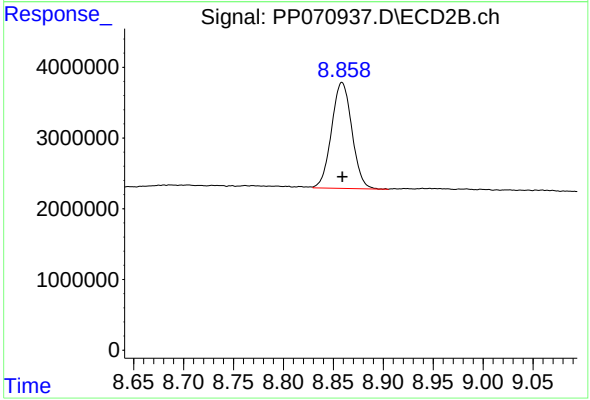

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 29879101
Conc: 26.95 ng/ml



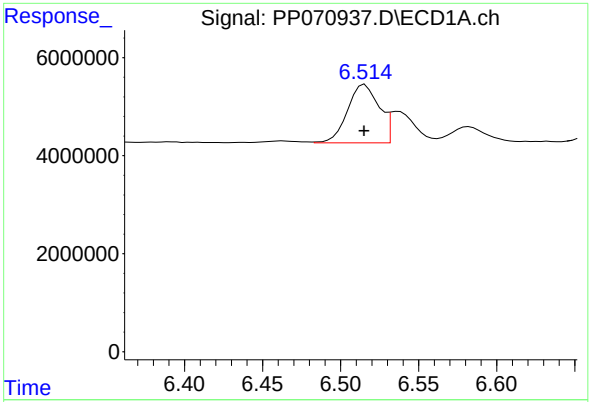

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 29858259
Conc: 25.55 ng/ml




#2 Decachlorobiphenyl

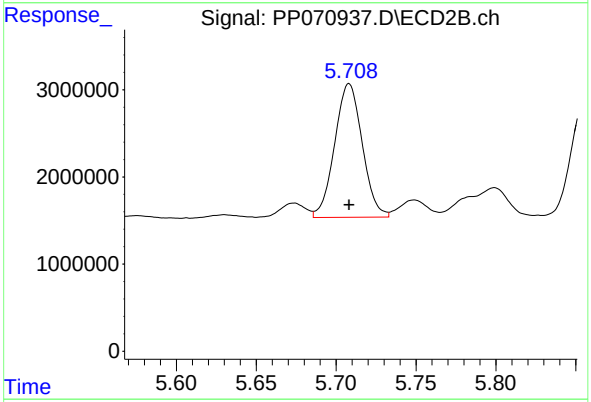
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 21257096
Conc: 23.34 ng/ml




#26 AR-1254-1

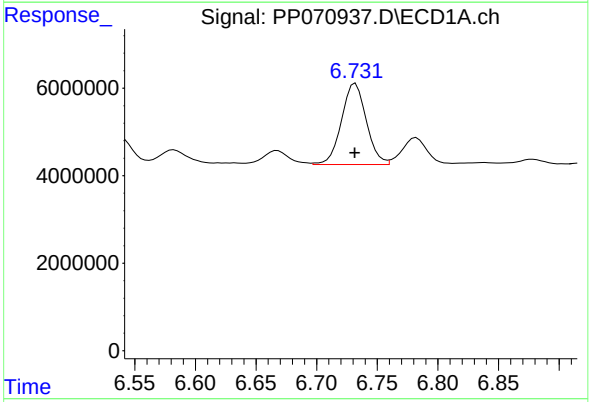
R.T.: 6.516 min
Delta R.T.: 0.000 min
Response: 16701604
Conc: 255.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



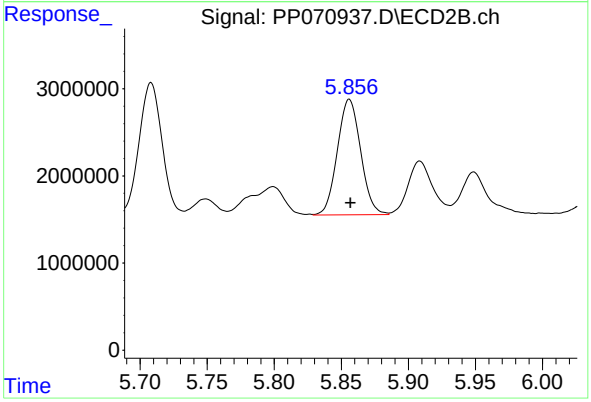

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 18446961
Conc: 279.15 ng/ml



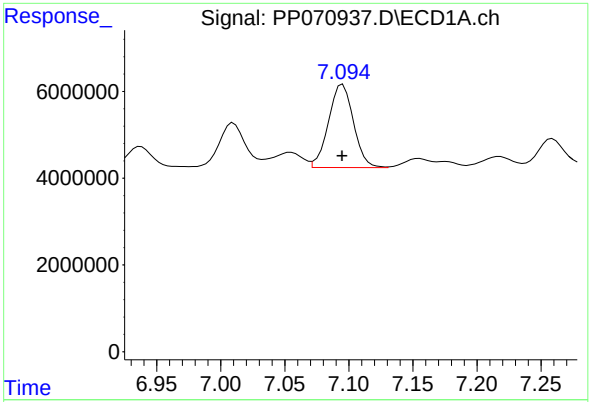

#27 AR-1254-2

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 26389026
Conc: 259.22 ng/ml




#27 AR-1254-2

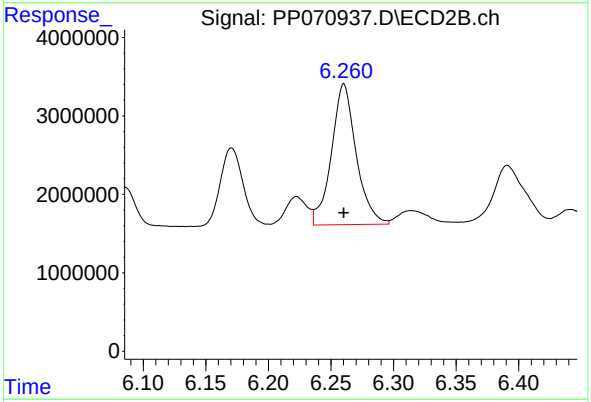
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 16008677
Conc: 281.87 ng/ml




#28 AR-1254-3

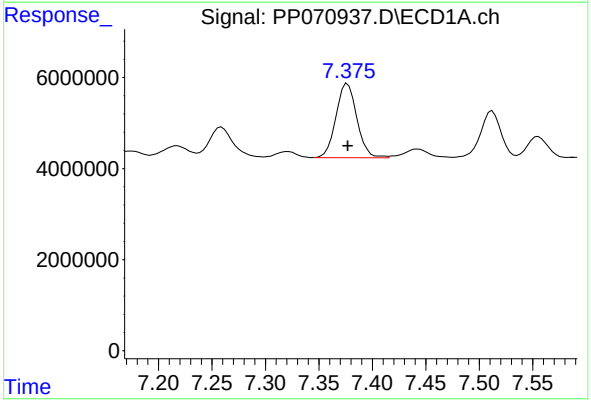
R.T.: 7.095 min
Delta R.T.: 0.000 min
Response: 25960285
Conc: 261.13 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



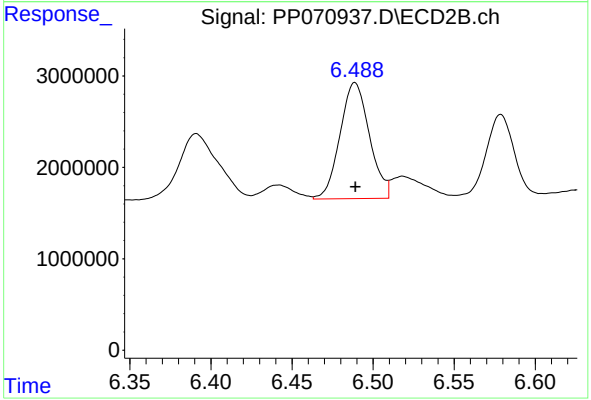

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 24772594
Conc: 282.26 ng/ml



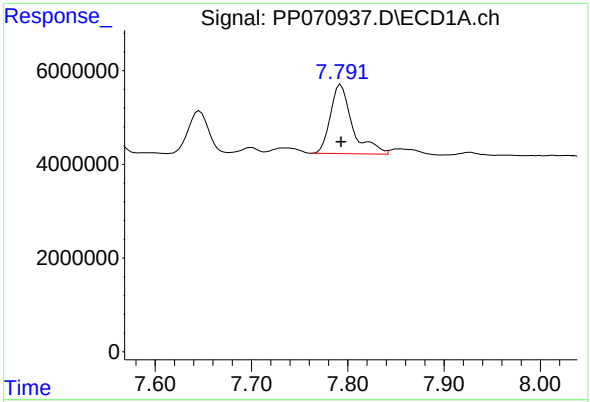

#29 AR-1254-4

R.T.: 7.377 min
Delta R.T.: 0.000 min
Response: 22197209
Conc: 255.72 ng/ml




#29 AR-1254-4

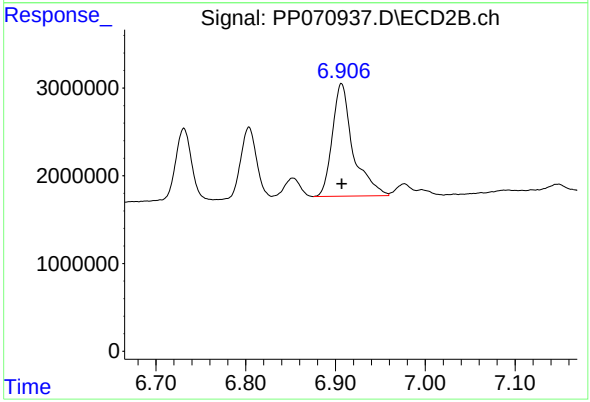
R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 16043587
Conc: 286.66 ng/ml




#30 AR-1254-5

R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 23415043
Conc: 289.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 20606411
Conc: 286.89 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.516 | 3.817 | 152.3E6 | 105.1E6 | 94.769 | 94.009 |
| 2) | SA Decachlor... | 10.232 | 8.860 | 195.7E6 | 148.5E6 | 93.377 | 94.968 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 226.6E6 | 165.2E6 | 945.404 | 945.364 |
| 42) | L9 AR-1268-2 | 8.824 | 7.795 | 190.4E6 | 137.8E6 | 950.797 | 945.407 |
| 43) | L9 AR-1268-3 | 9.056 | 8.001 | 163.6E6 | 120.1E6 | 940.749 | 965.766 |
| 44) | L9 AR-1268-4 | 9.474 | 8.295 | 70377008 | 51096977 | 960.945 | 957.859 |
| 45) | L9 AR-1268-5 | 9.891 | 8.596 | 459.6E6 | 357.1E6 | 952.414 | 962.556 |

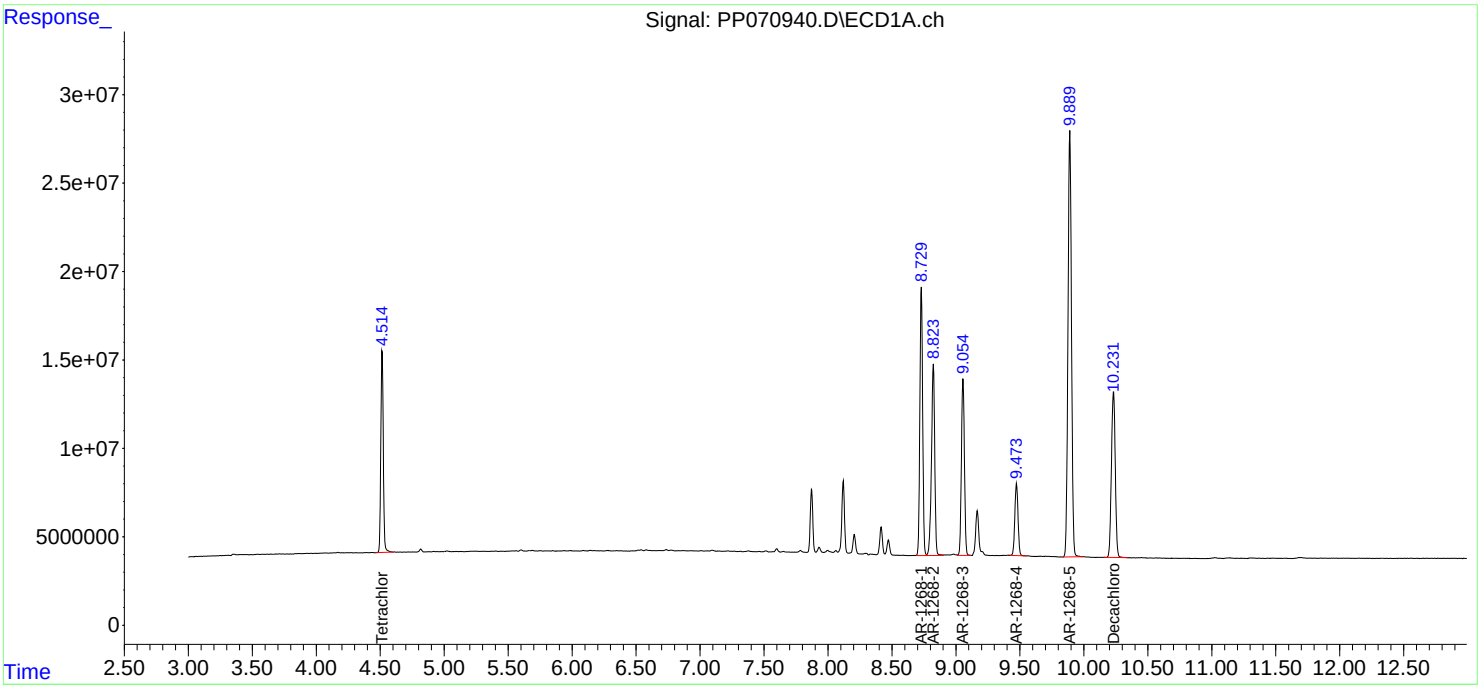
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

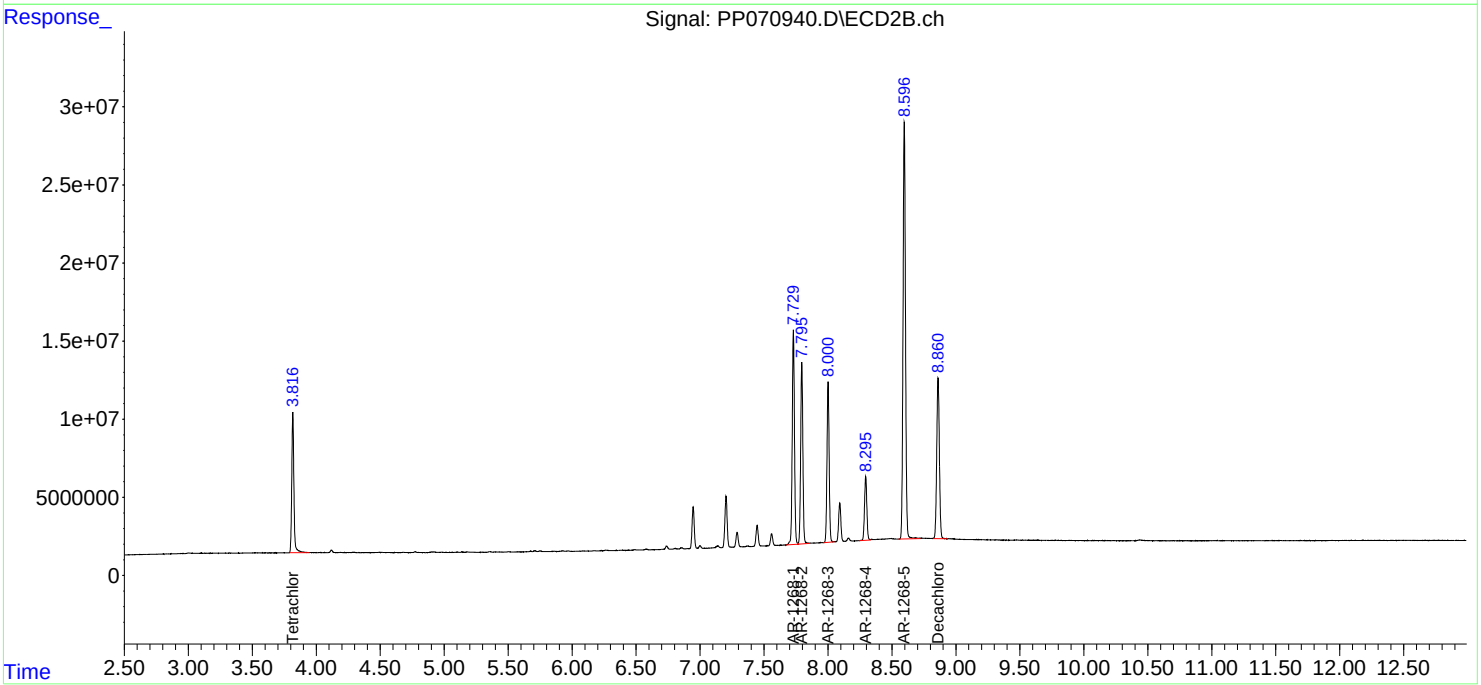
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 16:48
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

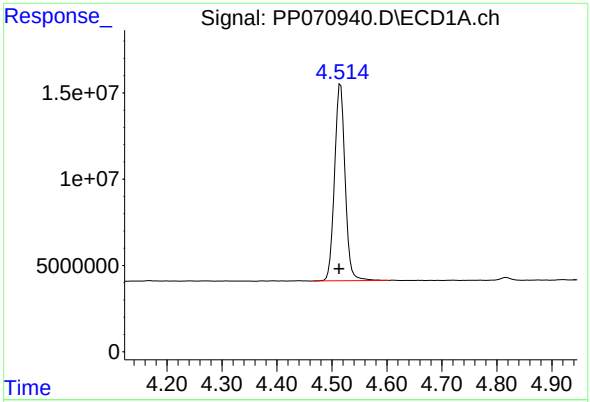
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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



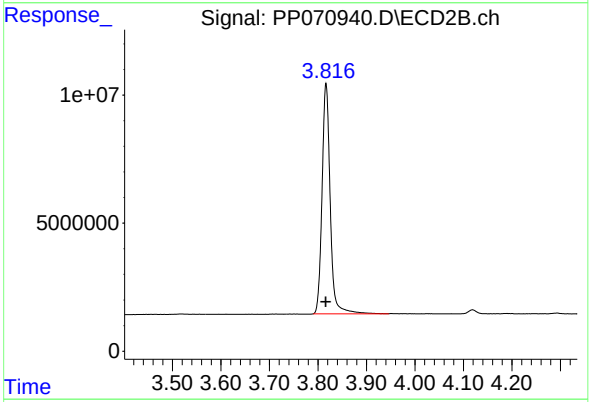






#1 Tetrachloro-m-xylene

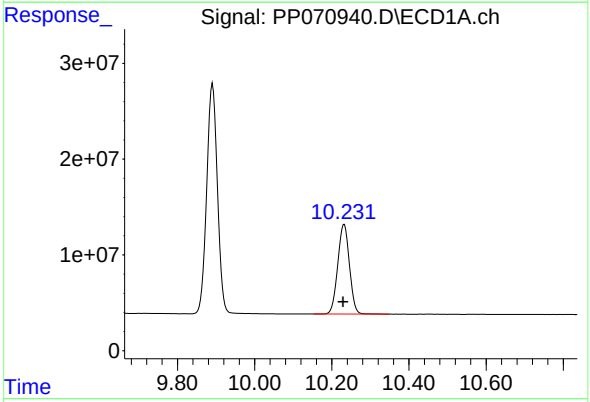
R.T.: 4.516 min
Delta R.T.: 0.003 min
Response: 152348529
Conc: 94.77 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



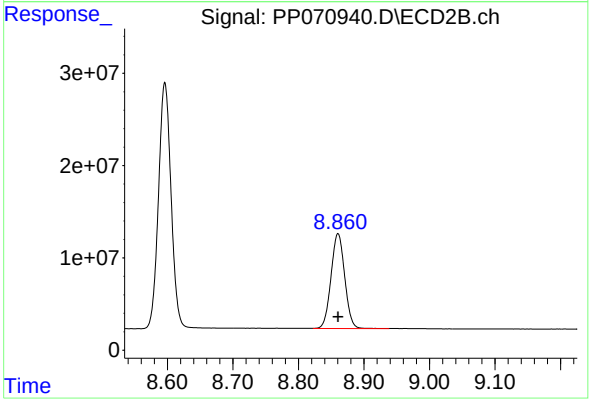

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 105128984
Conc: 94.01 ng/ml



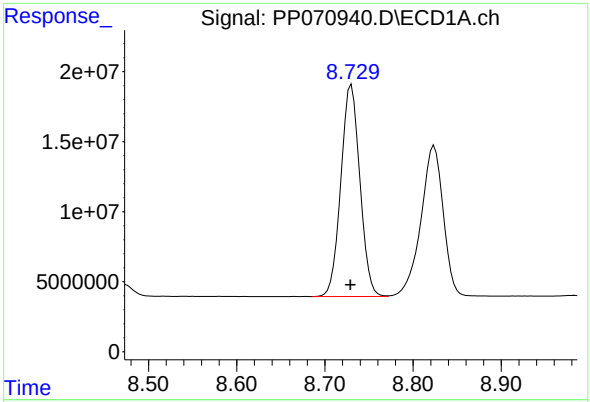

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 195698435
Conc: 93.38 ng/ml




#2 Decachlorobiphenyl

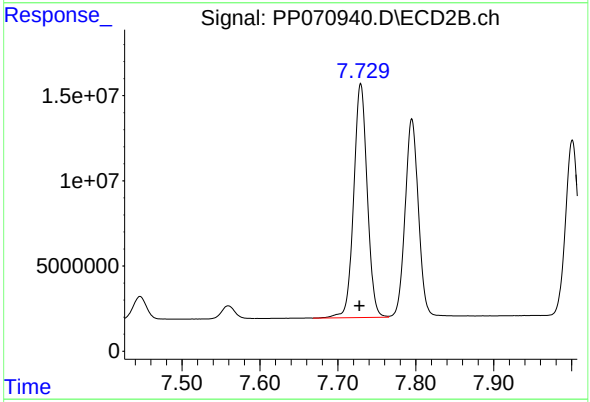
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 148482089
Conc: 94.97 ng/ml




#41 AR-1268-1

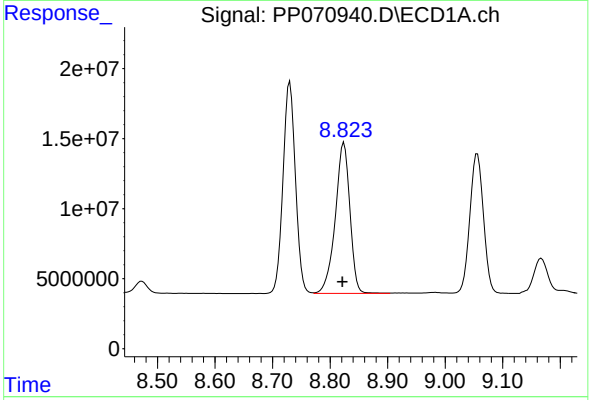
R.T.: 8.730 min
Delta R.T.: 0.001 min
Response: 226575551
Conc: 945.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



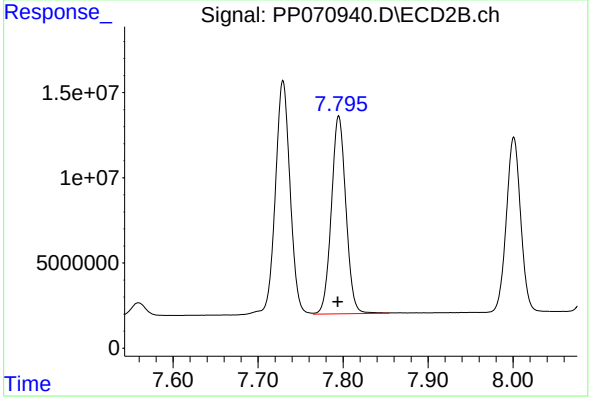

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.002 min
Response: 165156091
Conc: 945.36 ng/ml



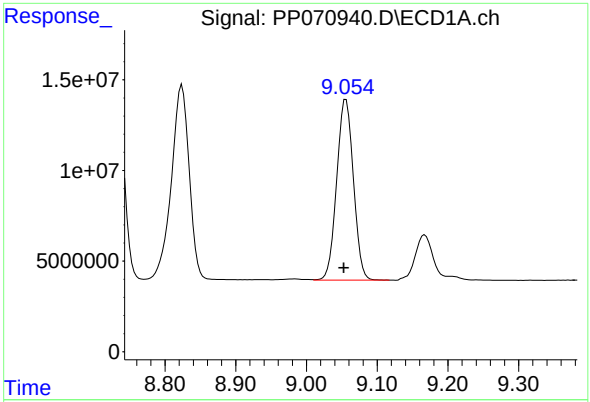

#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.003 min
Response: 190380276
Conc: 950.80 ng/ml




#42 AR-1268-2

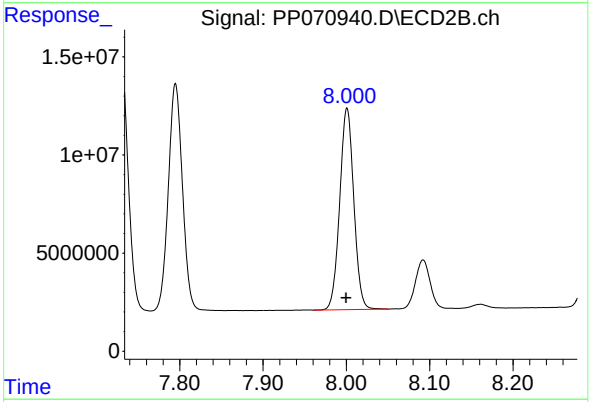
R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 137801505
Conc: 945.41 ng/ml




#43 AR-1268-3

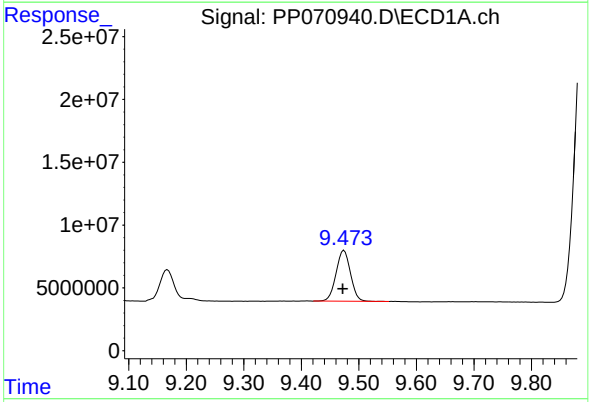
R.T.: 9.056 min
Delta R.T.: 0.003 min
Response: 163648333
Conc: 940.75 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000



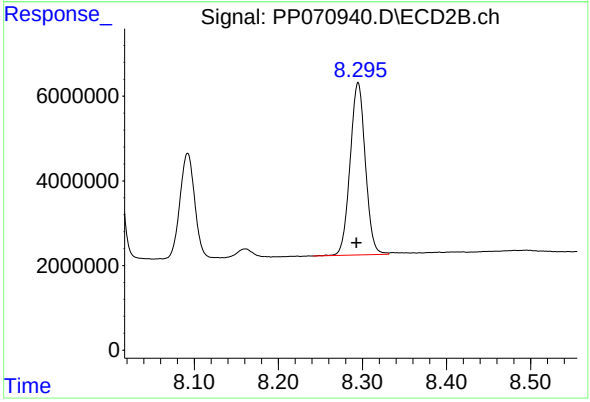

#43 AR-1268-3

R.T.: 8.001 min
Delta R.T.: 0.001 min
Response: 120132746
Conc: 965.77 ng/ml



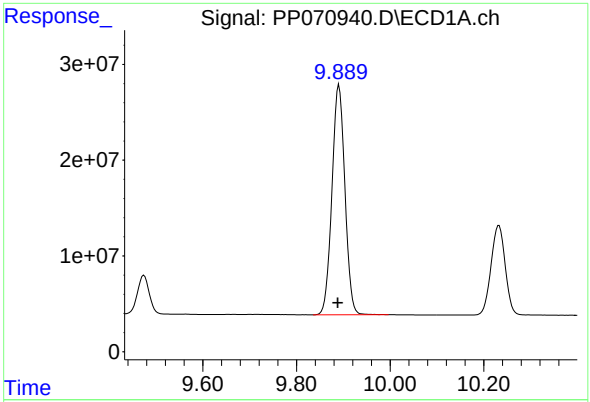

#44 AR-1268-4

R.T.: 9.474 min
Delta R.T.: 0.002 min
Response: 70377008
Conc: 960.95 ng/ml




#44 AR-1268-4

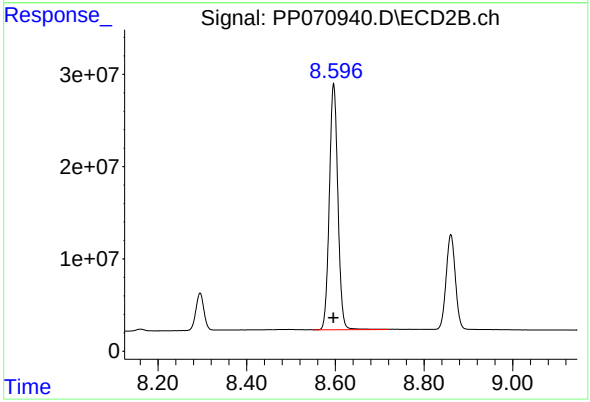
R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 51096977
Conc: 957.86 ng/ml




#45 AR-1268-5

R.T.: 9.891 min
Delta R.T.: 0.003 min
Response: 459553484
Conc: 952.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 357060145
Conc: 962.56 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.514 | 3.817 | 119.6E6 | 83914927 | 74.397 | 75.039 |
| 2) | SA Decachlor... | 10.230 | 8.861 | 154.1E6 | 118.4E6 | 73.551 | 75.751 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 178.4E6 | 132.1E6 | 744.578 | 755.945 |
| 42) | L9 AR-1268-2 | 8.823 | 7.795 | 149.2E6 | 110.8E6 | 745.140 | 760.189 |
| 43) | L9 AR-1268-3 | 9.055 | 8.000 | 128.8E6 | 95630424 | 740.439 | 768.788 |
| 44) | L9 AR-1268-4 | 9.473 | 8.294 | 55249435 | 40878954 | 754.389 | 766.313 |
| 45) | L9 AR-1268-5 | 9.890 | 8.596 | 361.2E6 | 282.2E6 | 748.577 | 760.668 |

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

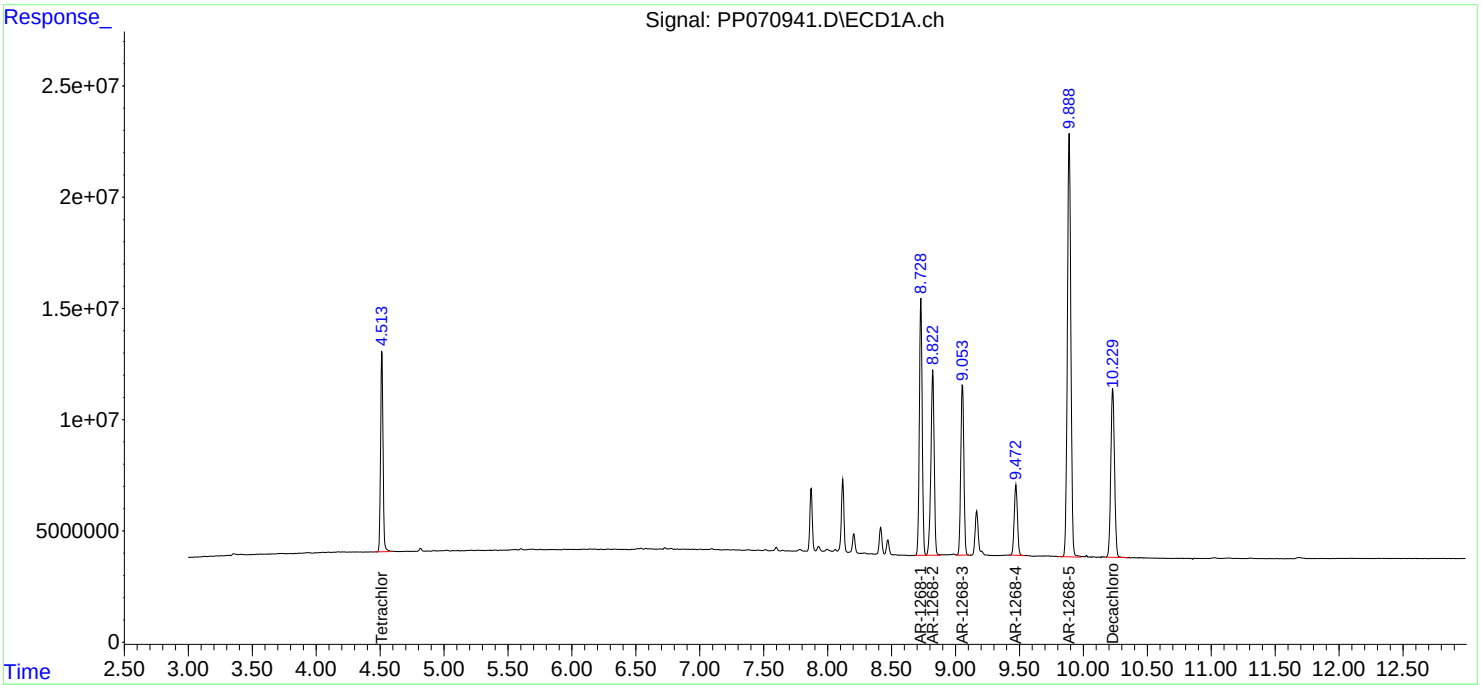
Quantitation Report (Not Reviewed)

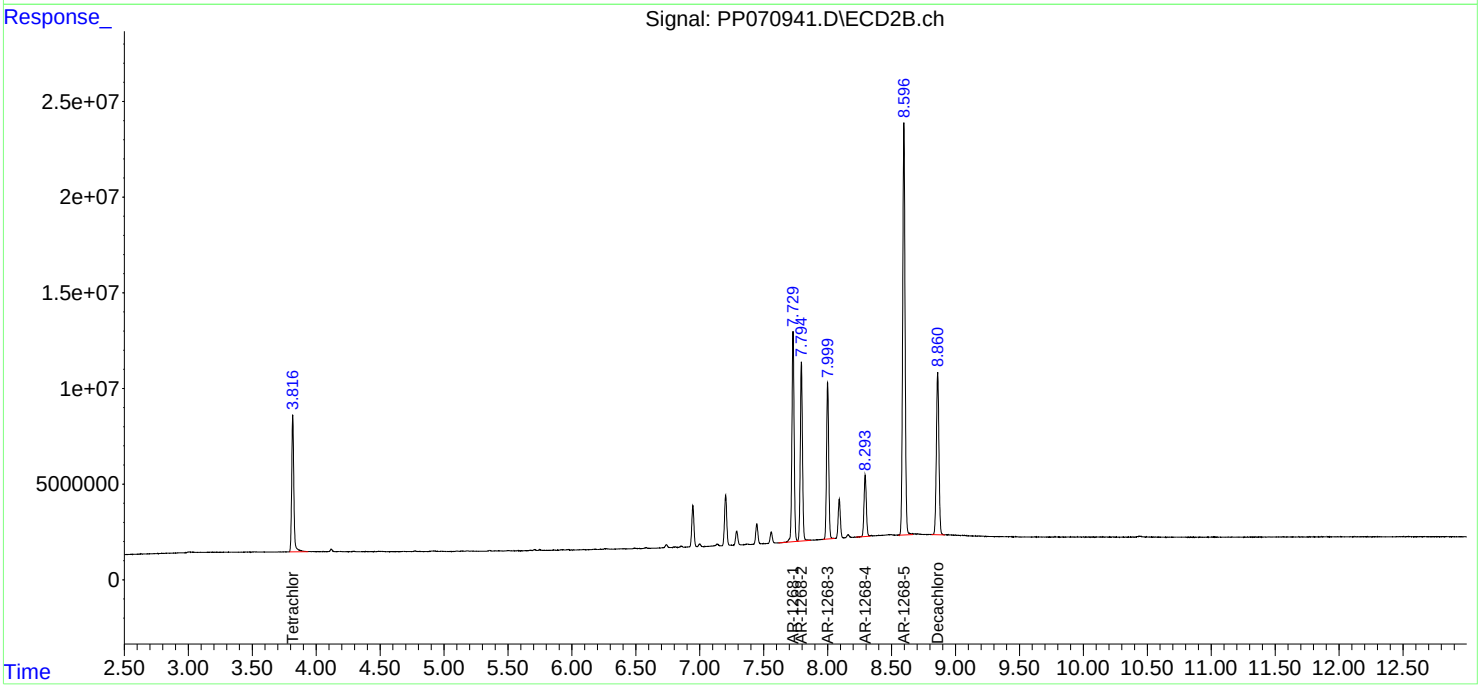
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:05
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

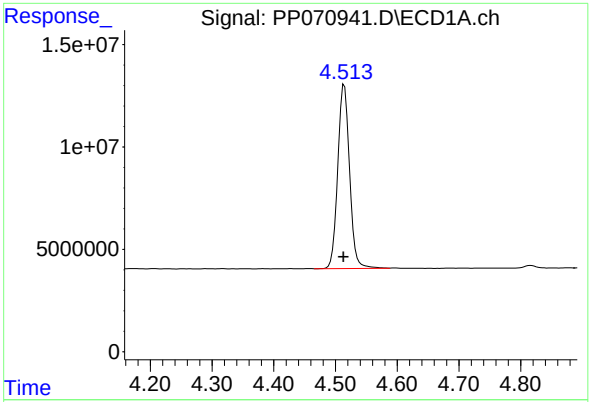
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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



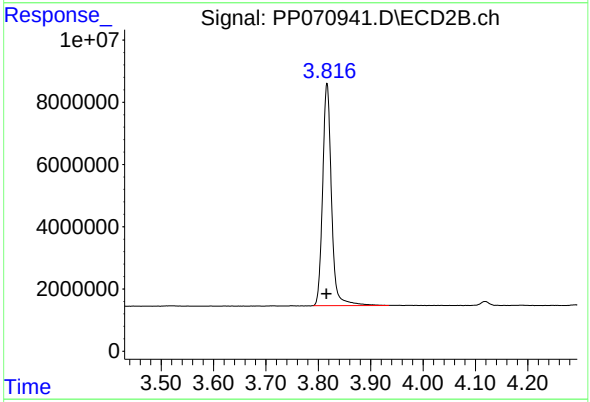






#1 Tetrachloro-m-xylene

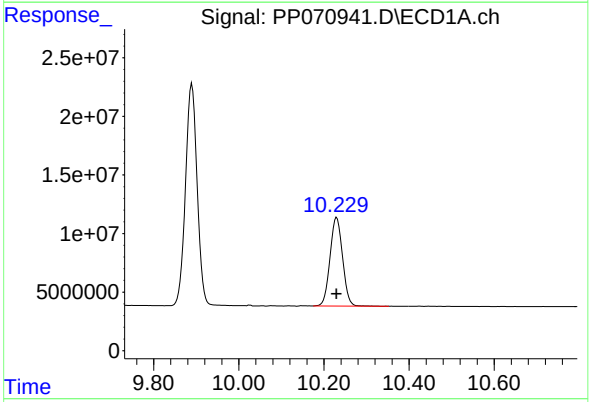
R.T.: 4.514 min
Delta R.T.: 0.001 min
Response: 119597931
Conc: 74.40 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



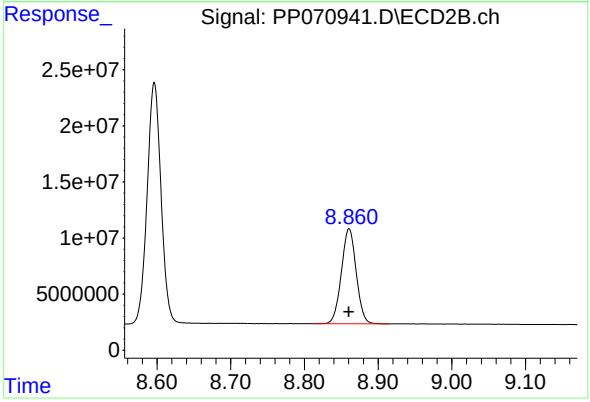

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 83914927
Conc: 75.04 ng/ml



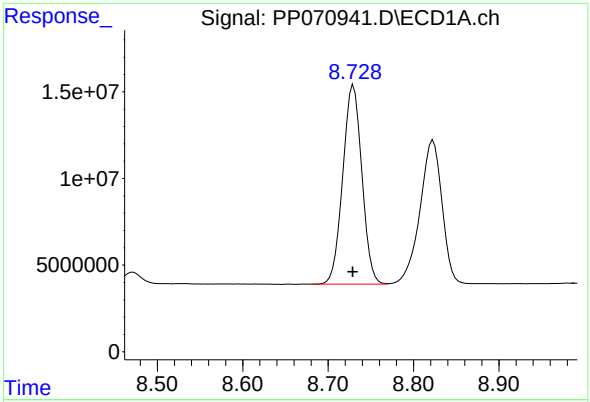

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 154146813
Conc: 73.55 ng/ml




#2 Decachlorobiphenyl

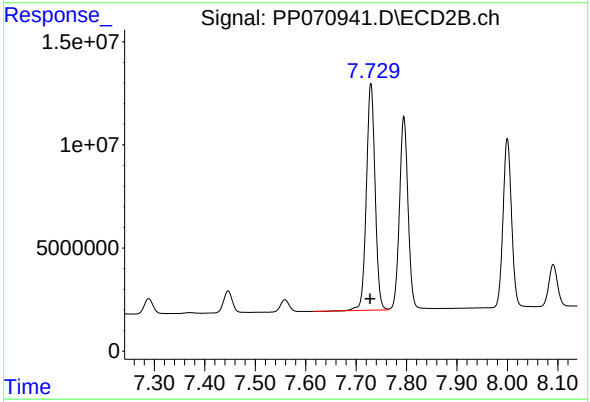
R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 118436920
Conc: 75.75 ng/ml




#41 AR-1268-1

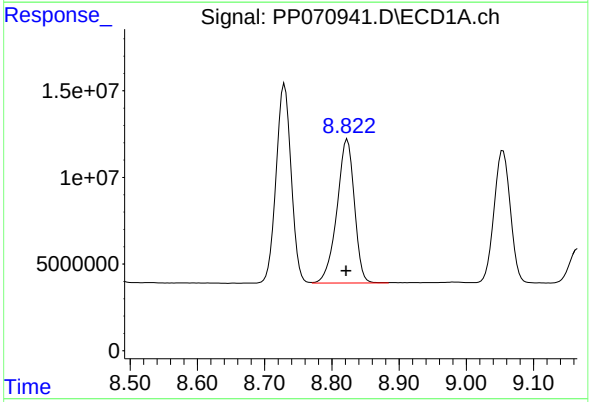
R.T.: 8.730 min
Delta R.T.: 0.001 min
Response: 178445590
Conc: 744.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



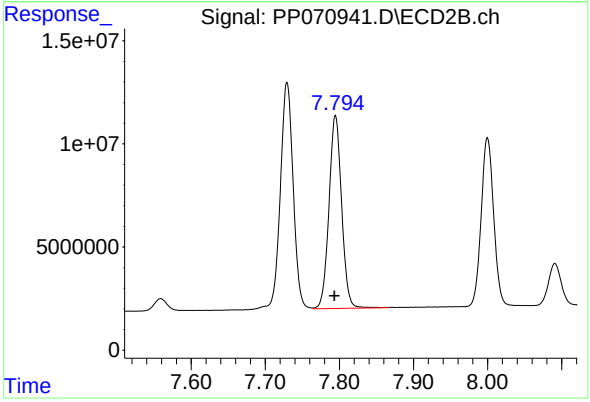

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.002 min
Response: 132064453
Conc: 755.95 ng/ml



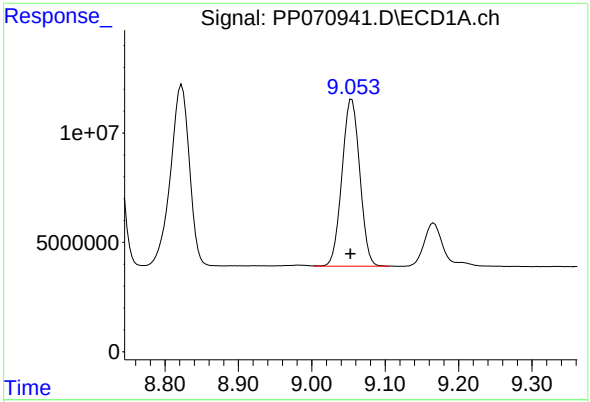

#42 AR-1268-2

R.T.: 8.823 min
Delta R.T.: 0.002 min
Response: 149201176
Conc: 745.14 ng/ml




#42 AR-1268-2

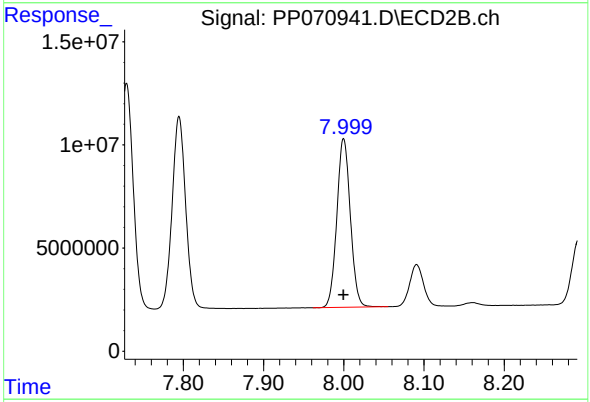
R.T.: 7.795 min
Delta R.T.: 0.001 min
Response: 110804324
Conc: 760.19 ng/ml




#43 AR-1268-3

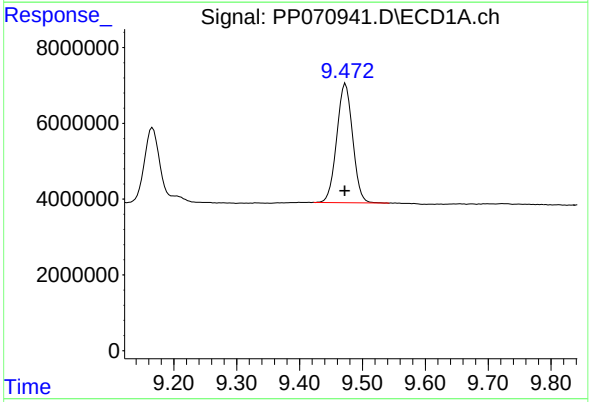
R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 128803338
Conc: 740.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750



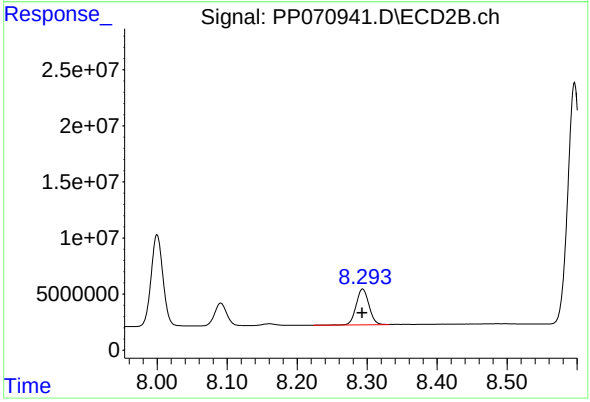

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 95630424
Conc: 768.79 ng/ml



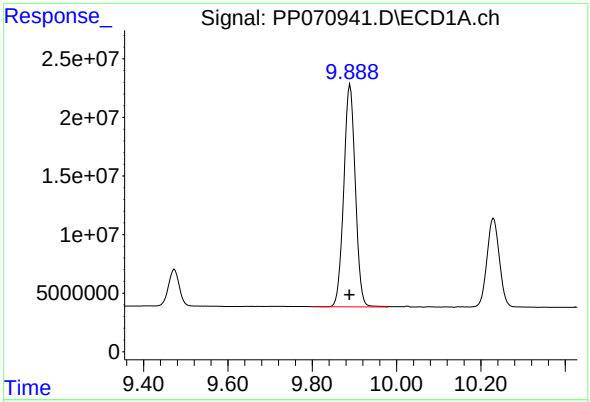

#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.001 min
Response: 55249435
Conc: 754.39 ng/ml




#44 AR-1268-4

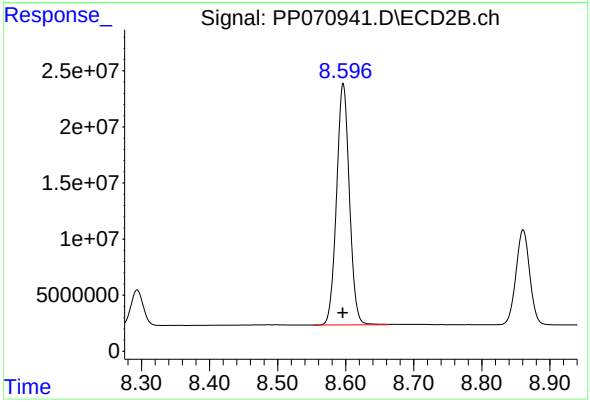
R.T.: 8.294 min
Delta R.T.: 0.000 min
Response: 40878954
Conc: 766.31 ng/ml




#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 min
Response: 361198889
Conc: 748.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 282169730
Conc: 760.67 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.513 | 3.816 | 80378727 | 55914176 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.230 | 8.860 | 104.8E6 | 78175161 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.729 | 7.728 | 119.8E6 | 87398242 | 500.000 | 500.273 |
| 42) | L9 AR-1268-2 | 8.821 | 7.793 | 100.1E6 | 72879434 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.053 | 8.000 | 86977678 | 62195601 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.472 | 8.293 | 36618642 | 26672497 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.888 | 8.596 | 241.3E6 | 185.5E6 | 500.000 | 500.000 |

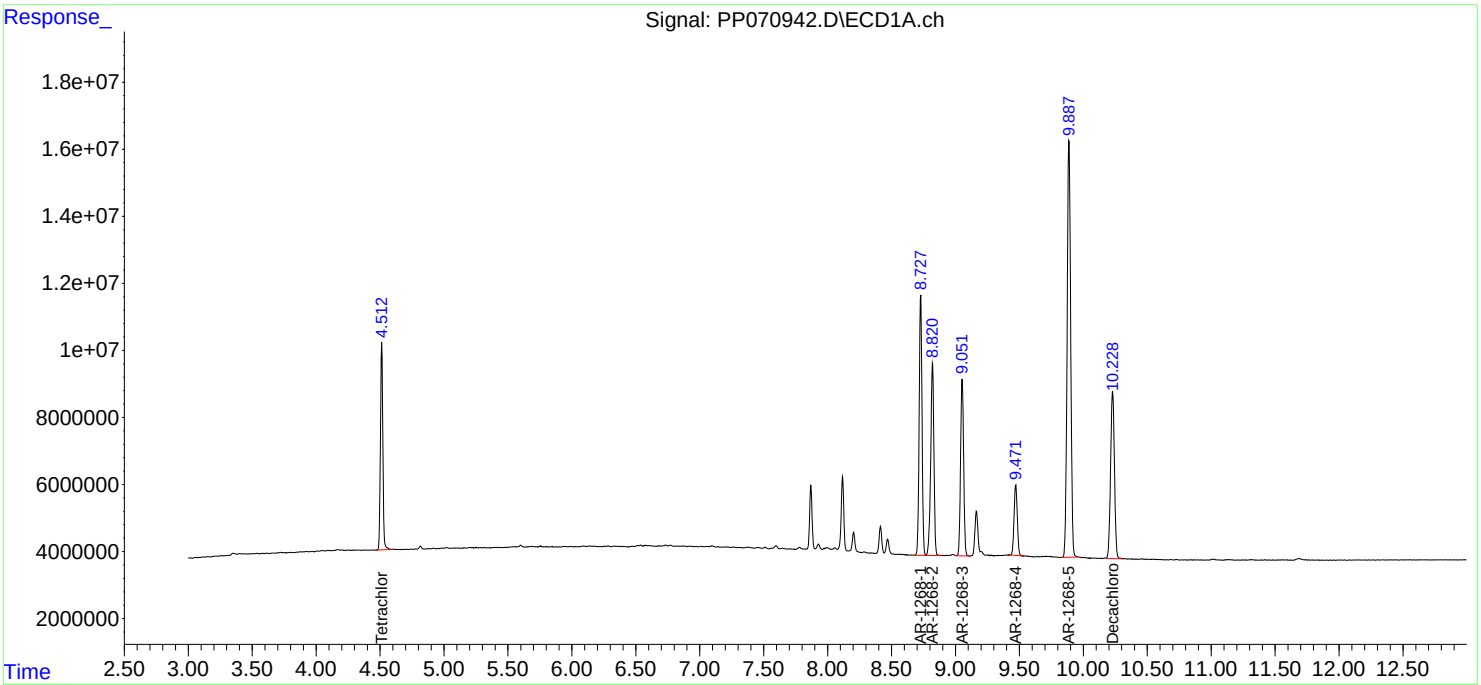
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

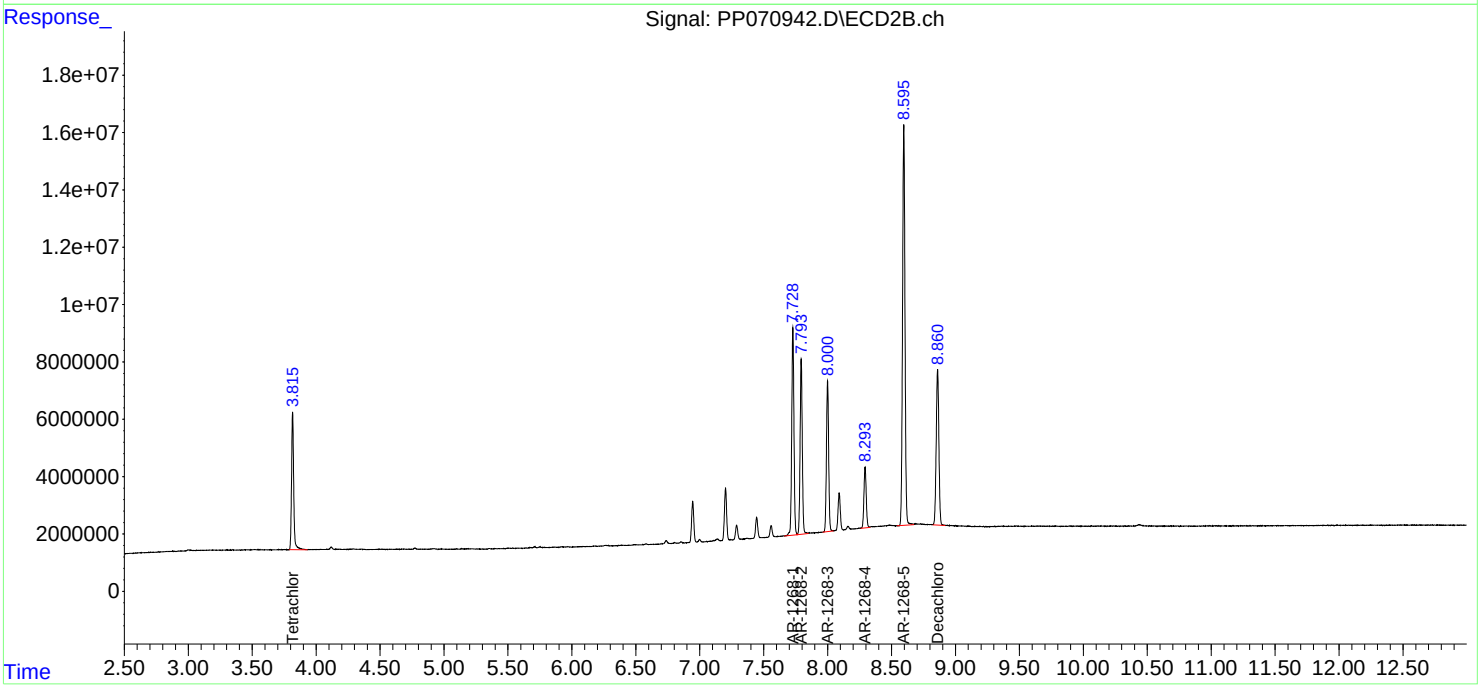
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:21
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

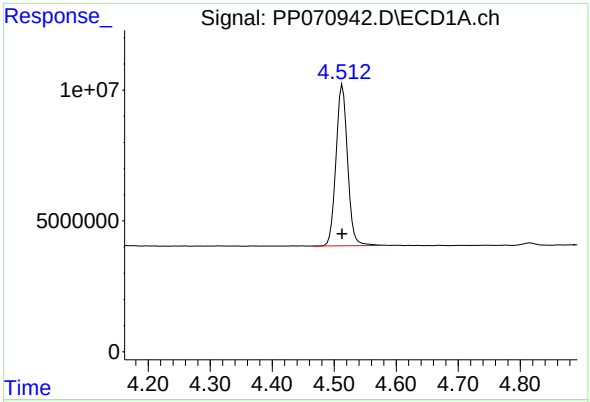
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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



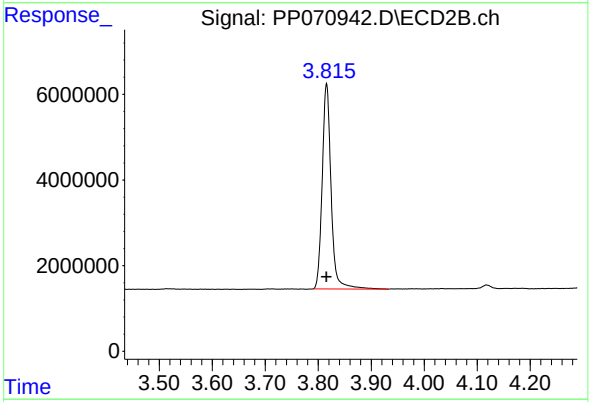






#1 Tetrachloro-m-xylene

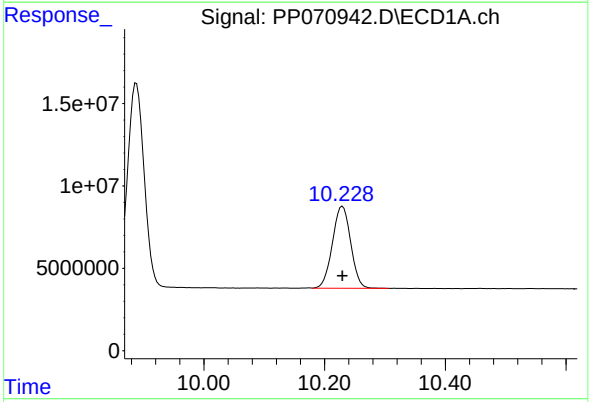
R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 80378727
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



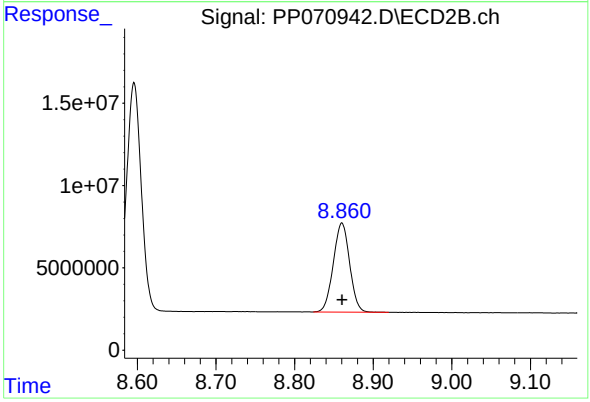

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55914176
Conc: 50.00 ng/ml



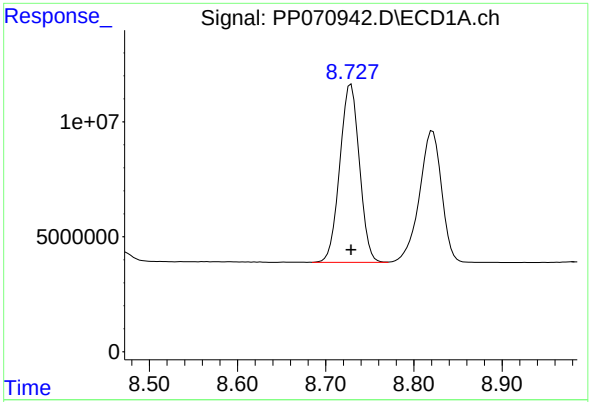

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 104789095
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

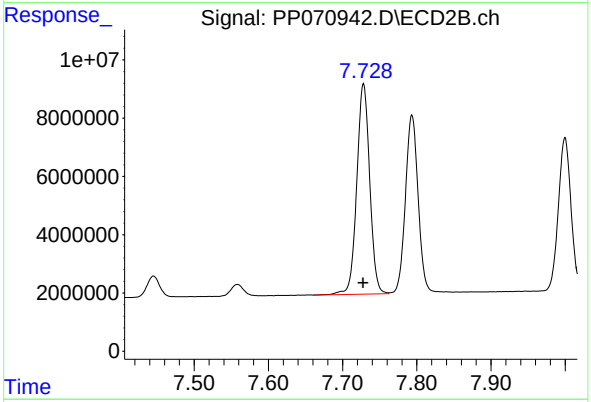
R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 78175161
Conc: 50.00 ng/ml




#41 AR-1268-1

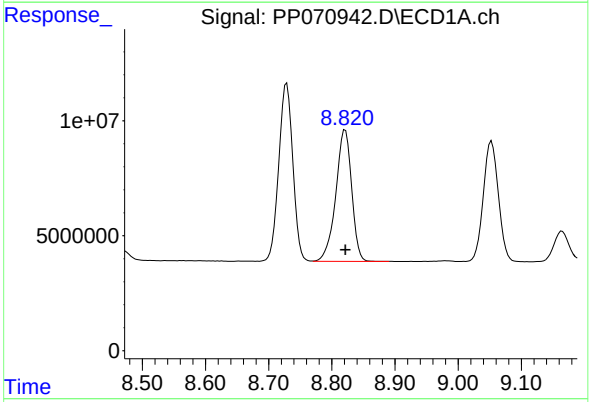
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 119830016
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



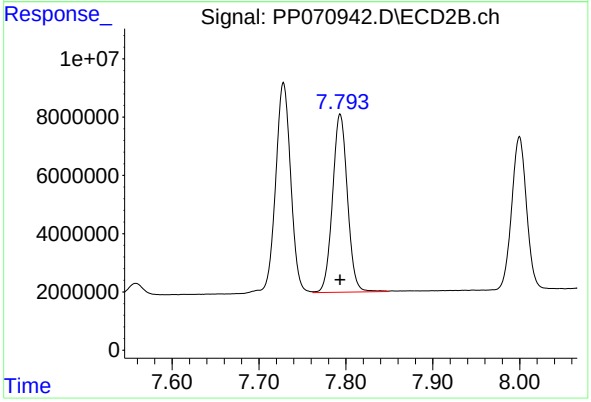

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 87398242
Conc: 500.27 ng/ml



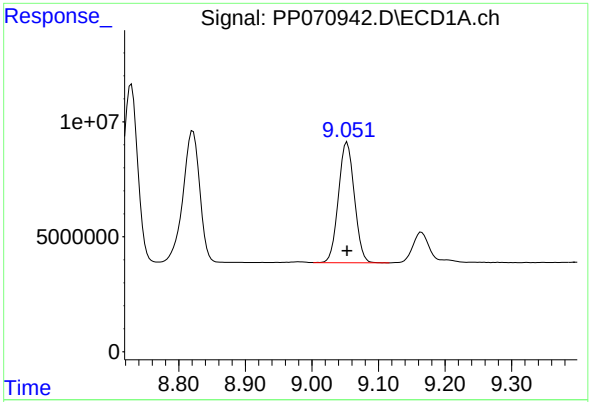

#42 AR-1268-2

R.T.: 8.821 min
Delta R.T.: 0.000 min
Response: 100116173
Conc: 500.00 ng/ml




#42 AR-1268-2

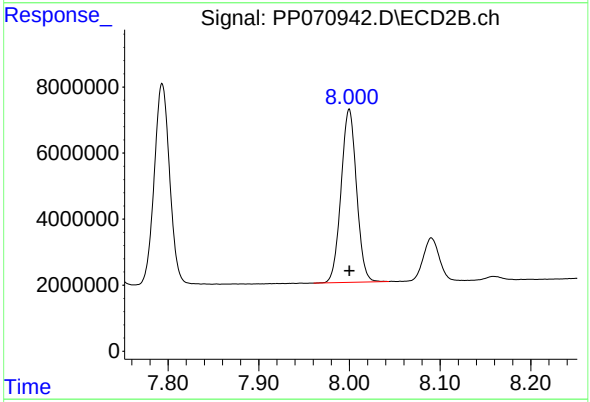
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 72879434
Conc: 500.00 ng/ml




#43 AR-1268-3

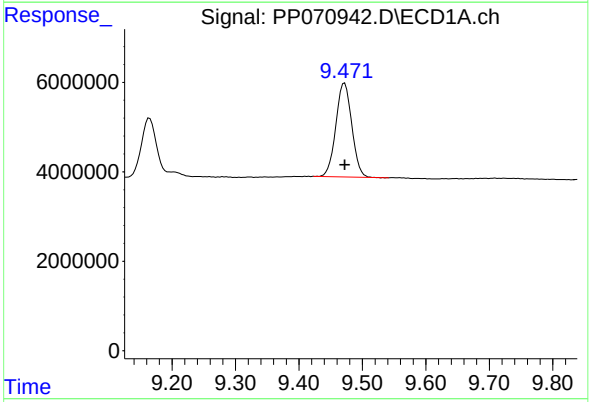
R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 86977678
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500



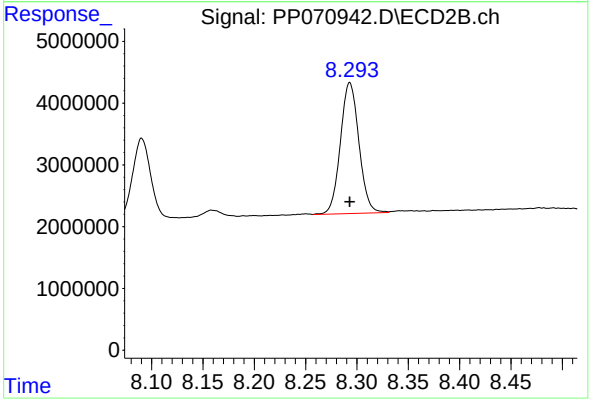

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 62195601
Conc: 500.00 ng/ml



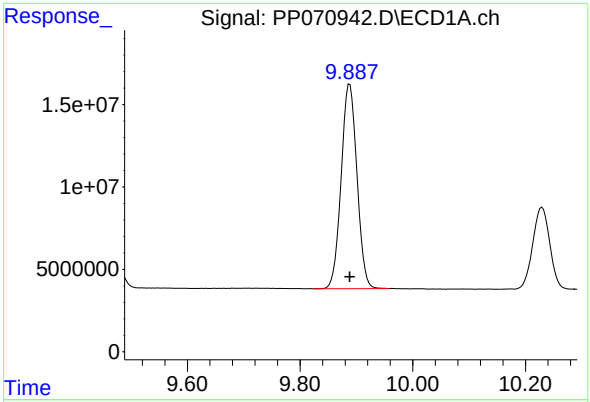

#44 AR-1268-4

R.T.: 9.472 min
Delta R.T.: 0.000 min
Response: 36618642
Conc: 500.00 ng/ml




#44 AR-1268-4

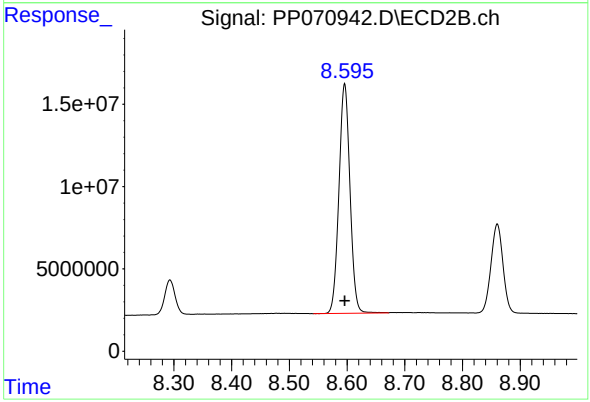
R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 26672497
Conc: 500.00 ng/ml




#45 AR-1268-5

R.T.: 9.888 min
Delta R.T.: 0.000 min
Response: 241257148
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 185474929
Conc: 500.00 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.515 | 3.817 | 41125313 | 29588552 | 25.582 | 26.459 |
| 2) | SA Decachlor... | 10.232 | 8.859 | 54285349 | 40518249 | 25.902 | 25.915 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.730 | 7.729 | 61973048 | 44387893 | 258.587 | 254.079 |
| 42) | L9 AR-1268-2 | 8.824 | 7.794 | 51237231 | 36694564 | 255.889 | 251.748 |
| 43) | L9 AR-1268-3 | 9.055 | 8.000 | 44311644 | 31811936 | 254.730 | 255.741 |
| 44) | L9 AR-1268-4 | 9.473 | 8.295 | 18700738 | 13922493 | 255.345 | 260.990 |
| 45) | L9 AR-1268-5 | 9.890 | 8.596 | 124.6E6 | 91636186 | 258.260 | 247.031 |

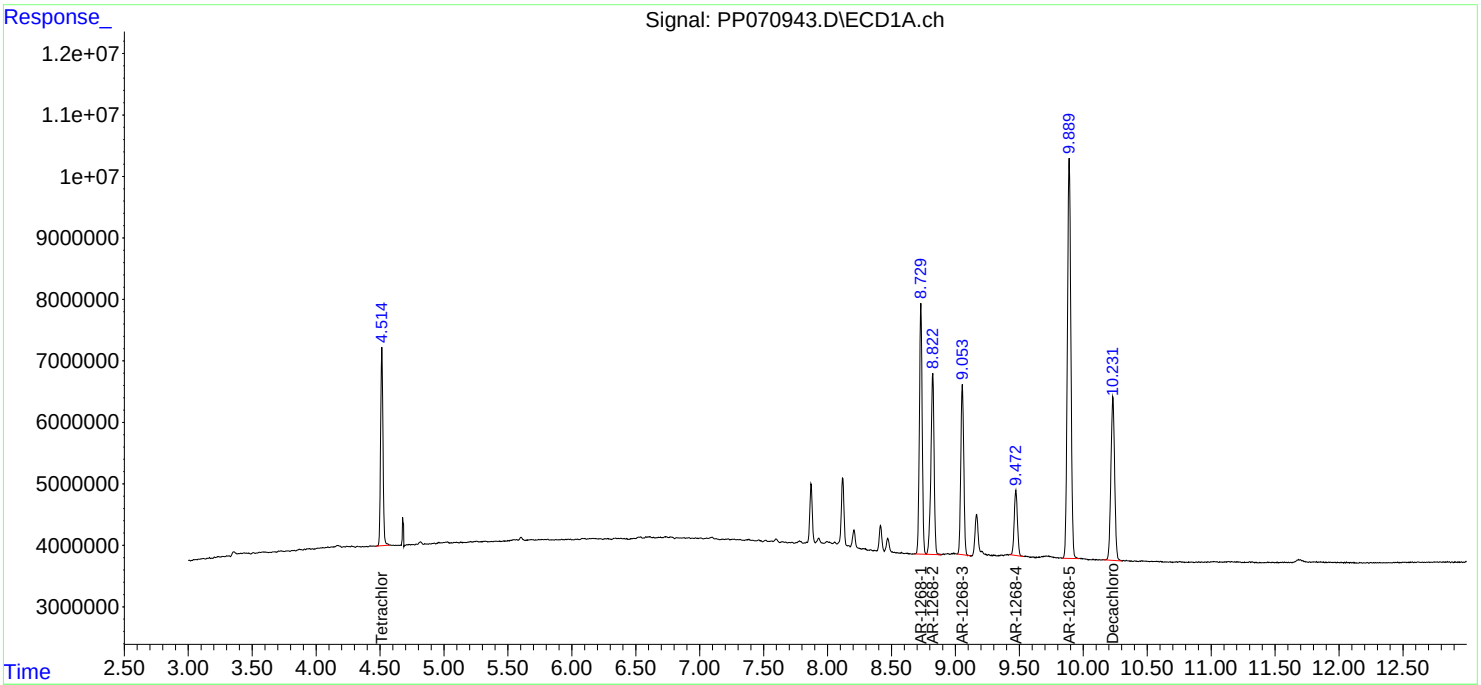
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

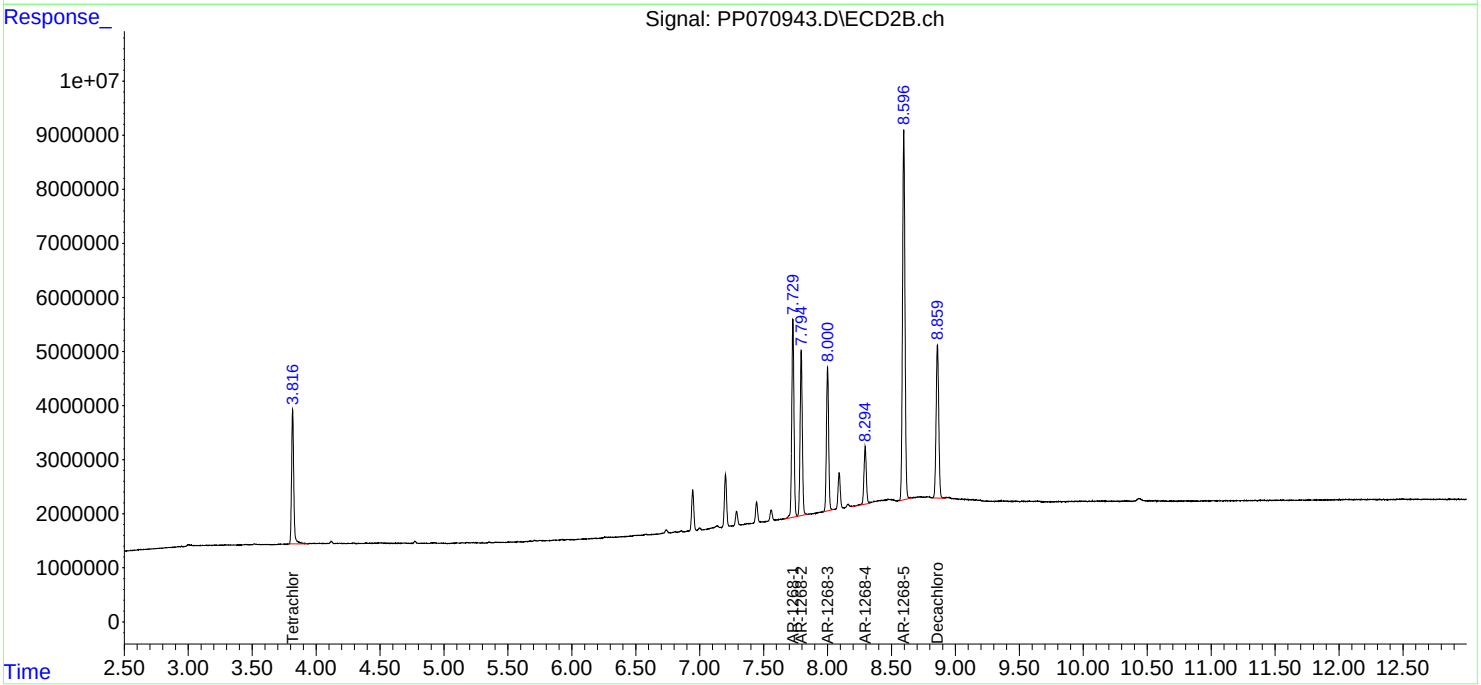
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:37
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

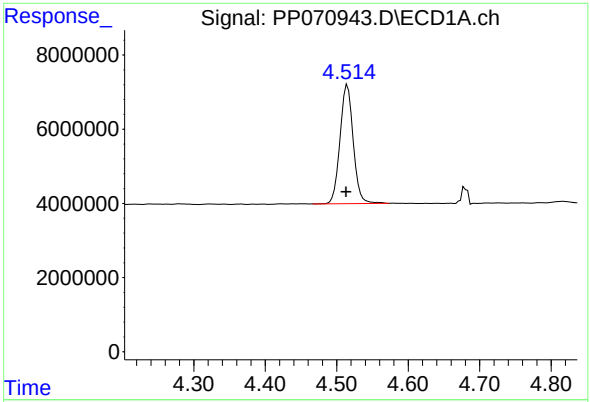
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 17:58:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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



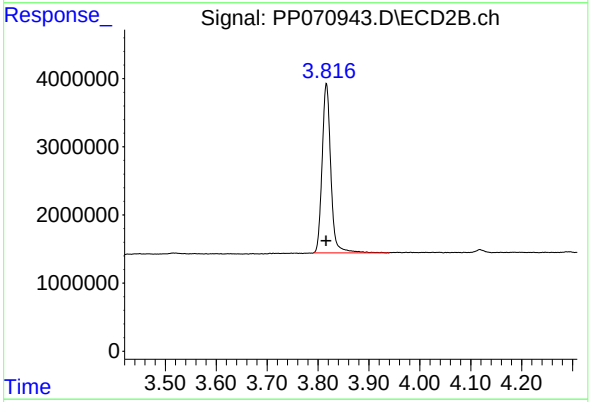






#1 Tetrachloro-m-xylene

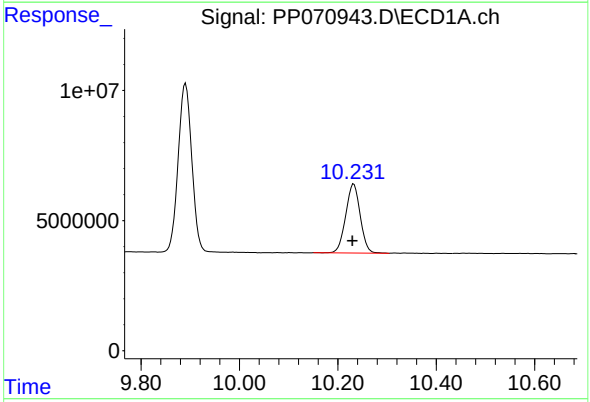
R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 41125313
Conc: 25.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



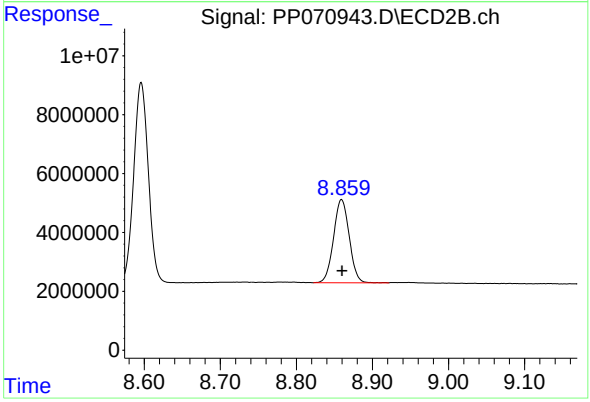

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 29588552
Conc: 26.46 ng/ml



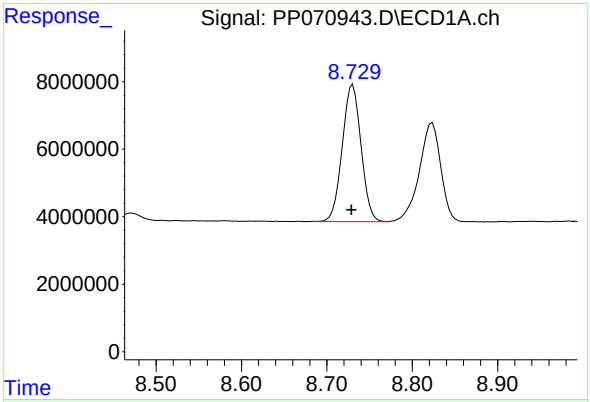

#2 Decachlorobiphenyl

R.T.: 10.232 min
Delta R.T.: 0.003 min
Response: 54285349
Conc: 25.90 ng/ml




#2 Decachlorobiphenyl

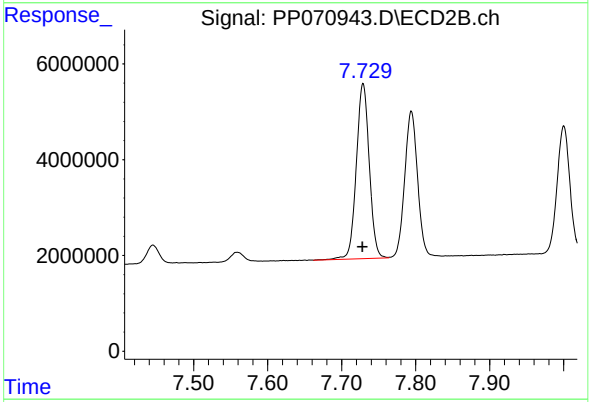
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 40518249
Conc: 25.92 ng/ml




#41 AR-1268-1

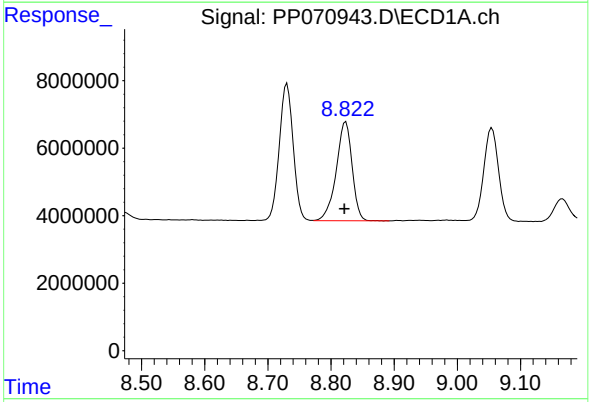
R.T.: 8.730 min
Delta R.T.: 0.002 min
Response: 61973048
Conc: 258.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



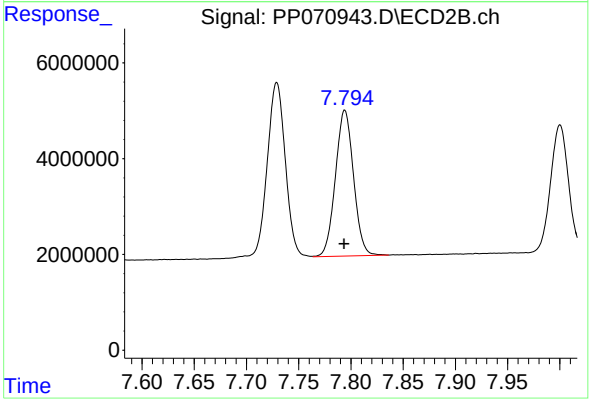

#41 AR-1268-1

R.T.: 7.729 min
Delta R.T.: 0.001 min
Response: 44387893
Conc: 254.08 ng/ml



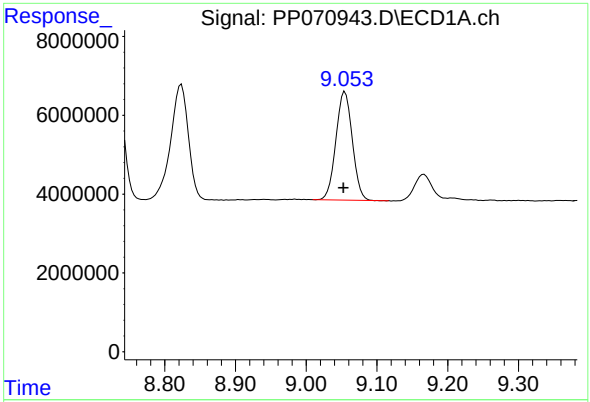

#42 AR-1268-2

R.T.: 8.824 min
Delta R.T.: 0.002 min
Response: 51237231
Conc: 255.89 ng/ml




#42 AR-1268-2

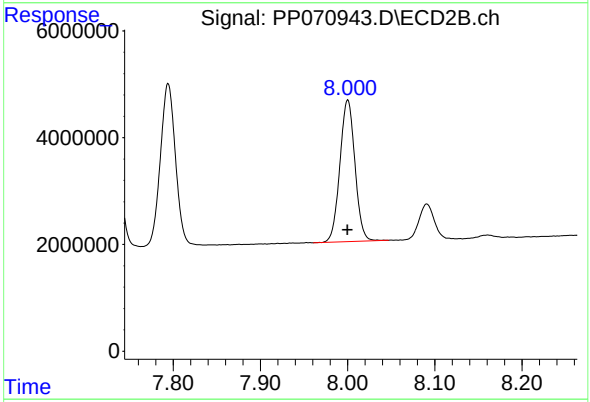
R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 36694564
Conc: 251.75 ng/ml




#43 AR-1268-3

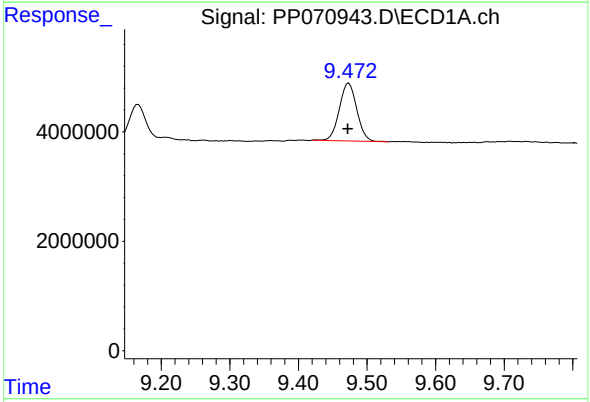
R.T.: 9.055 min
Delta R.T.: 0.002 min
Response: 44311644
Conc: 254.73 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250



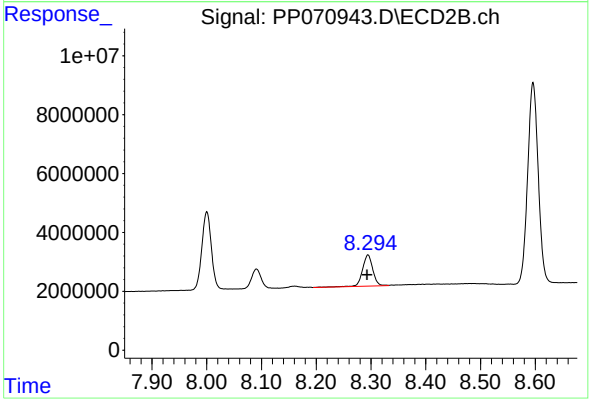

#43 AR-1268-3

R.T.: 8.000 min
Delta R.T.: 0.000 min
Response: 31811936
Conc: 255.74 ng/ml



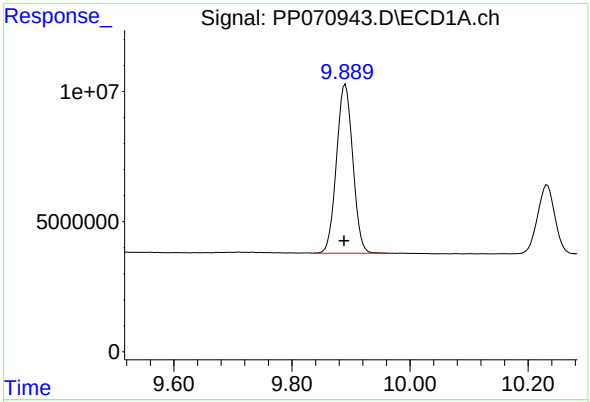

#44 AR-1268-4

R.T.: 9.473 min
Delta R.T.: 0.002 min
Response: 18700738
Conc: 255.34 ng/ml




#44 AR-1268-4

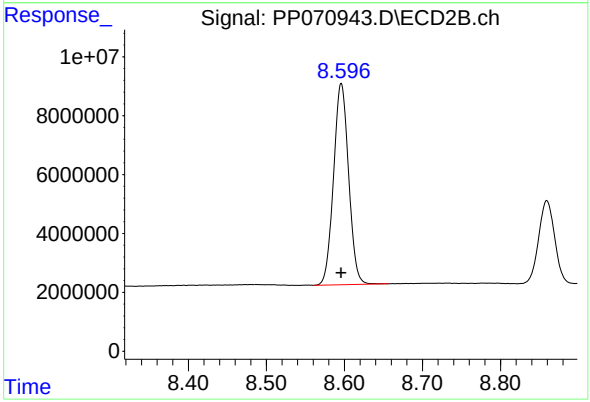
R.T.: 8.295 min
Delta R.T.: 0.002 min
Response: 13922493
Conc: 260.99 ng/ml




#45 AR-1268-5

R.T.: 9.890 min
Delta R.T.: 0.002 min
Response: 124614186
Conc: 258.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 91636186
Conc: 247.03 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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... | 4.515 | 3.816 | 6795391 | 6304440 | 4.206 | 5.529 # |
| 2) | SA Decachlor... | 10.230 | 8.859 | 10035177 | 7161586 | 4.762 | 4.510 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.729 | 7.728 | 11274140 | 8298716 | 46.621 | 47.221 |
| 42) | L9 AR-1268-2 | 8.822 | 7.794 | 9103995 | 6916833 | 45.210 | 47.131 |
| 43) | L9 AR-1268-3 | 9.054 | 7.999 | 8398993 | 5823381 | 48.183 | 46.078 |
| 44) | L9 AR-1268-4 | 9.471 | 8.293 | 3082639 | 2842824 | 41.712 | 52.149 # |
| 45) | L9 AR-1268-5 | 9.889 | 8.596 | 22937830 | 16928167 | 47.050 | 45.599 |

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

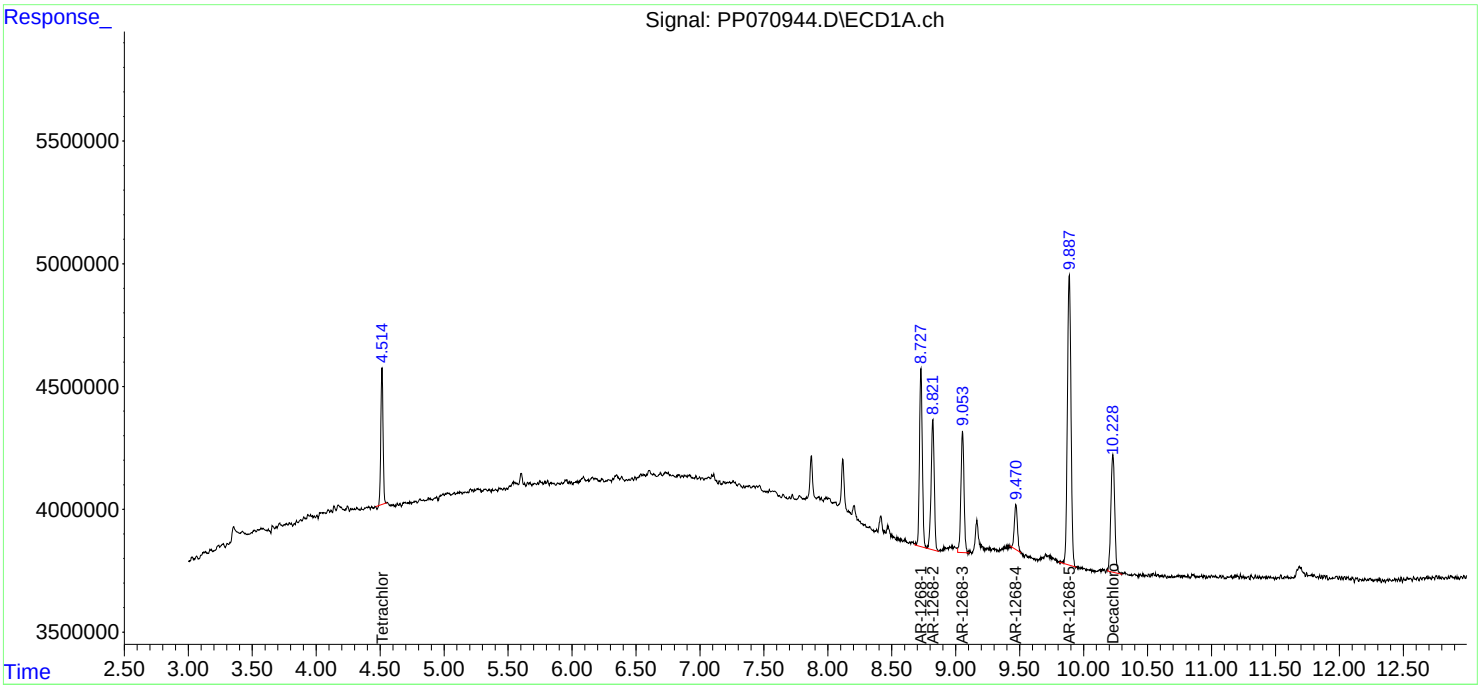
Quantitation Report (Not Reviewed)

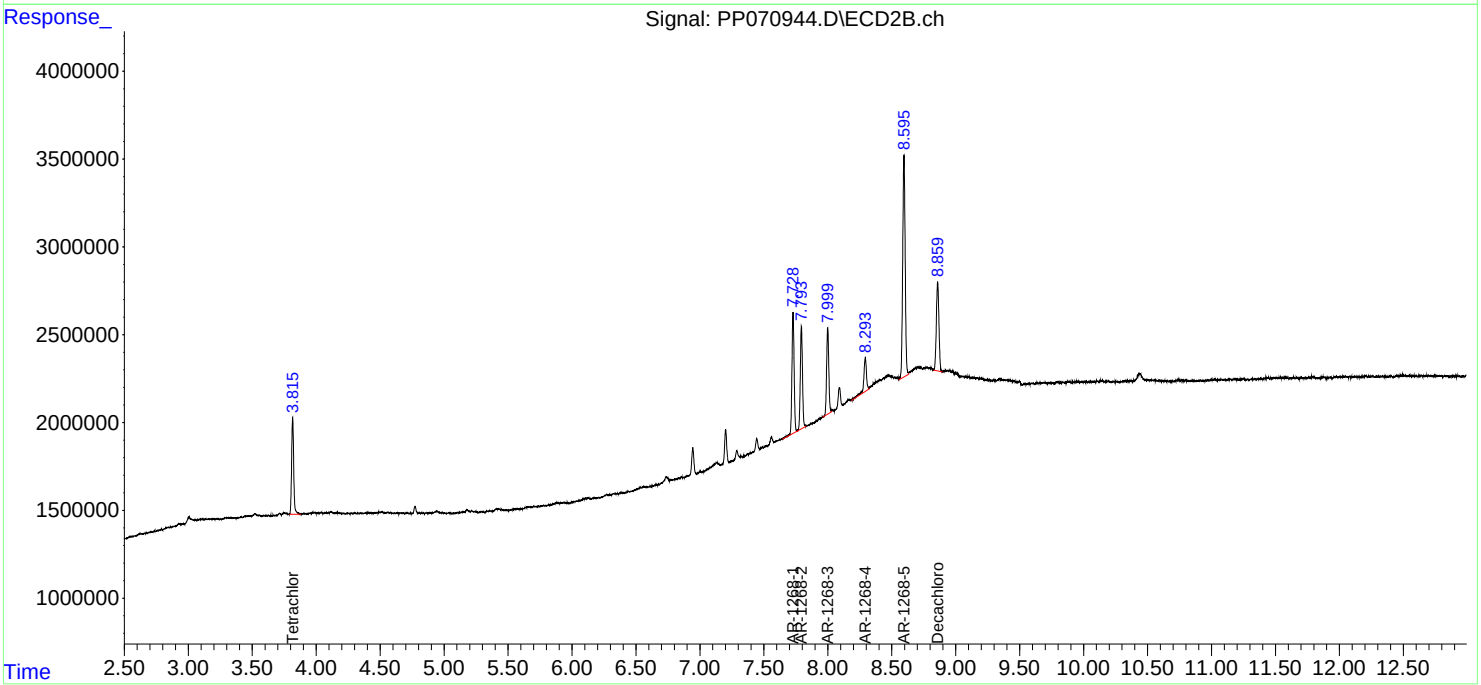
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 17:53
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

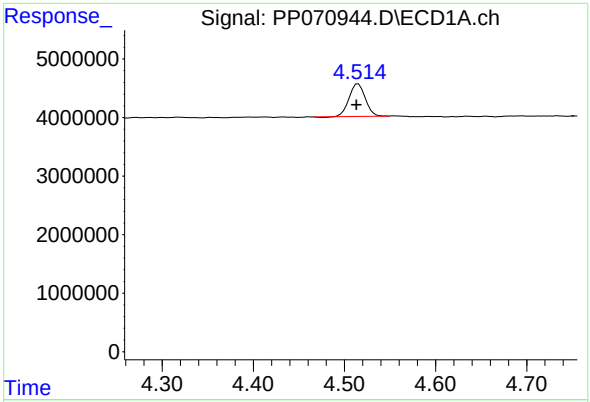
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 27 18:13:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Thu Mar 27 17:56:10 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



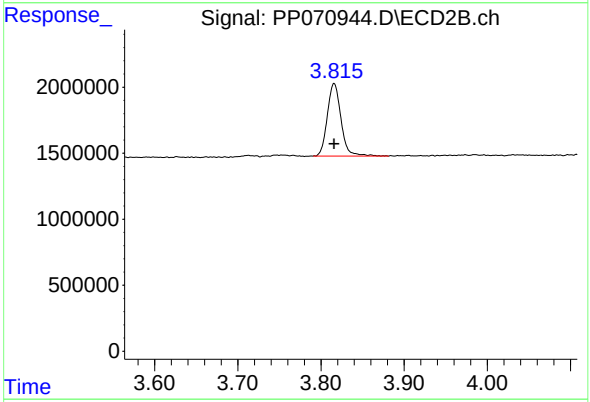






#1 Tetrachloro-m-xylene

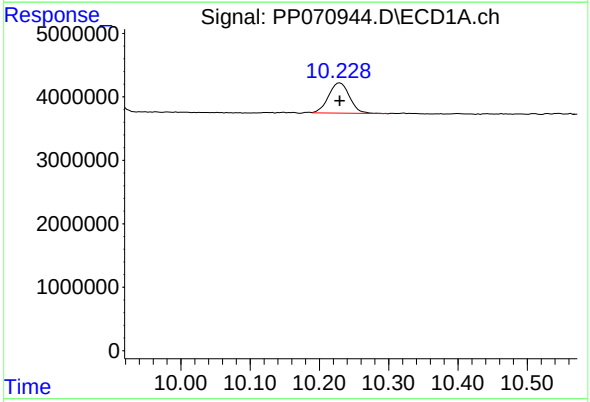
R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 6795391
Conc: 4.21 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050



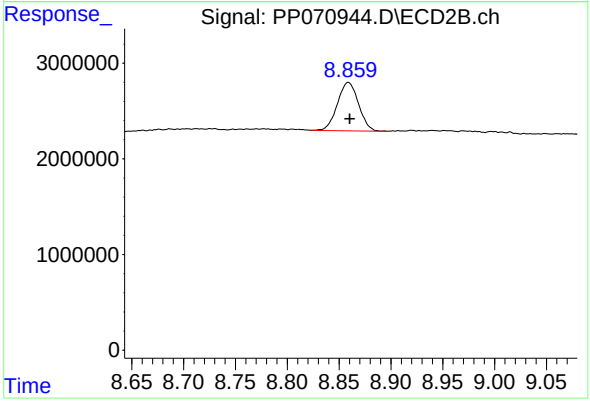

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 6304440
Conc: 5.53 ng/ml



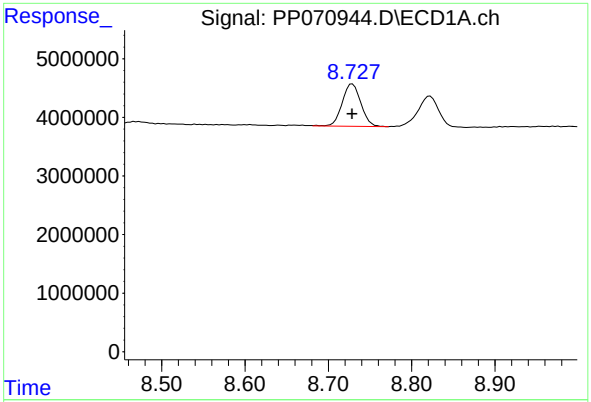

#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: 0.000 min
Response: 10035177
Conc: 4.76 ng/ml




#2 Decachlorobiphenyl

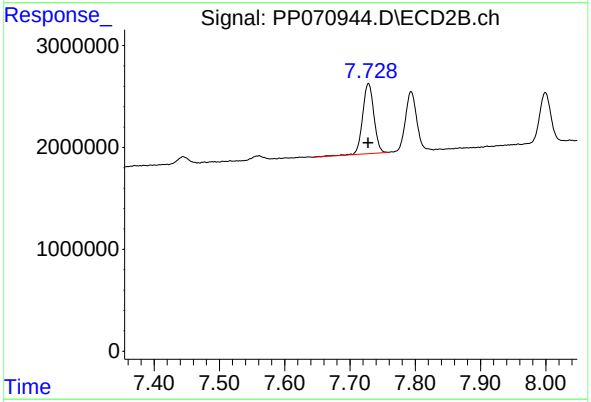
R.T.: 8.859 min
Delta R.T.: -0.001 min
Response: 7161586
Conc: 4.51 ng/ml




#41 AR-1268-1

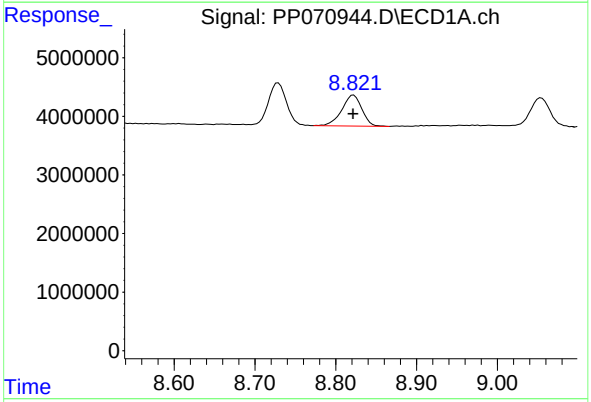
R.T.: 8.729 min
Delta R.T.: 0.000 min
Response: 11274140
Conc: 46.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050



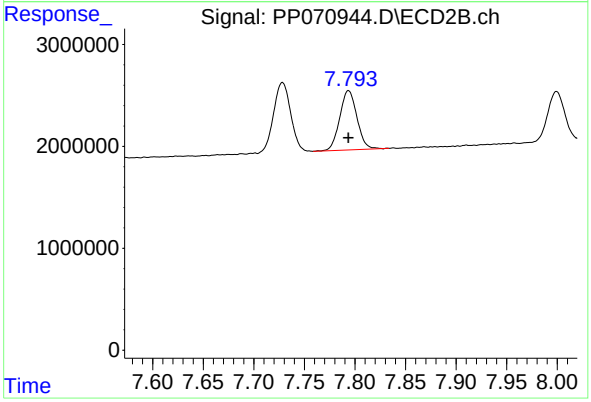

#41 AR-1268-1

R.T.: 7.728 min
Delta R.T.: 0.000 min
Response: 8298716
Conc: 47.22 ng/ml



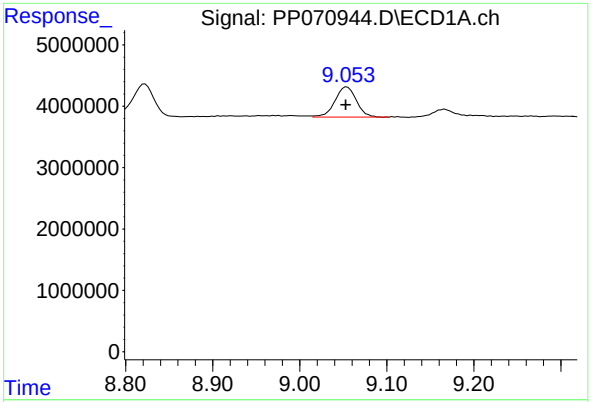

#42 AR-1268-2

R.T.: 8.822 min
Delta R.T.: 0.000 min
Response: 9103995
Conc: 45.21 ng/ml




#42 AR-1268-2

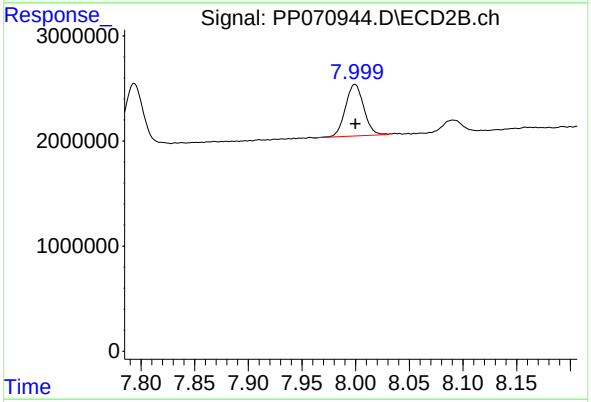
R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 6916833
Conc: 47.13 ng/ml




#43 AR-1268-3

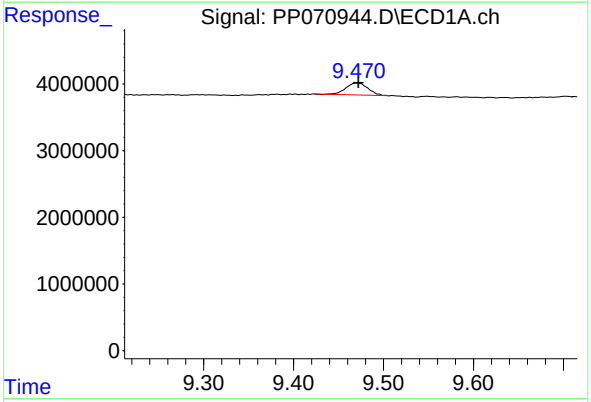
R.T.: 9.054 min
Delta R.T.: 0.002 min
Response: 8398993
Conc: 48.18 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050



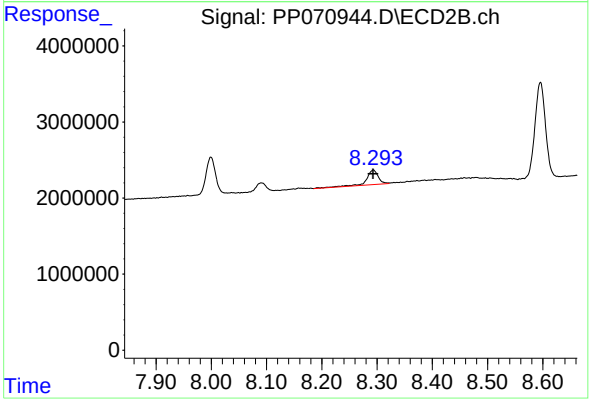

#43 AR-1268-3

R.T.: 7.999 min
Delta R.T.: 0.000 min
Response: 5823381
Conc: 46.08 ng/ml



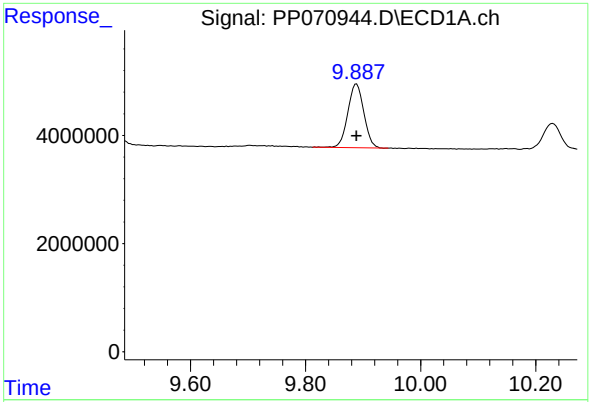

#44 AR-1268-4

R.T.: 9.471 min
Delta R.T.: 0.000 min
Response: 3082639
Conc: 41.71 ng/ml




#44 AR-1268-4

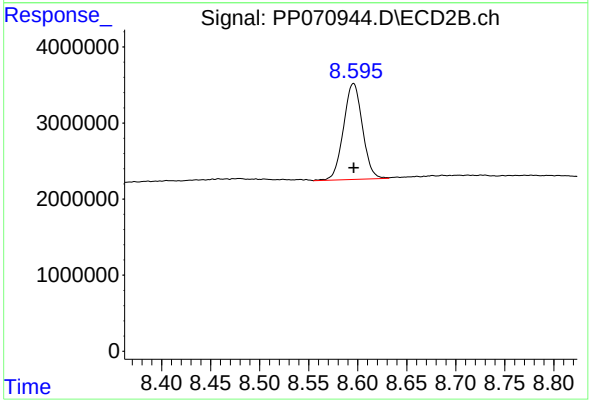
R.T.: 8.293 min
Delta R.T.: 0.000 min
Response: 2842824
Conc: 52.15 ng/ml




#45 AR-1268-5

R.T.: 9.889 min
Delta R.T.: 0.000 min
Response: 22937830
Conc: 47.05 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050




#45 AR-1268-5

R.T.: 8.596 min
Delta R.T.: 0.000 min
Response: 16928167
Conc: 45.60 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.513 | 3.816 | 80813408 | 55809150 | 53.470 | 50.687 |
| 2) | SA Decachlor... | 10.228 | 8.859 | 60442284 | 44113864 | 53.599 | 53.797 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.514 | 5.708 | 34026950 | 33372474 | 528.449 | 505.507 |
| 27) | L6 AR-1254-2 | 6.730 | 5.856 | 52171420 | 28060451 | 516.086 | 491.442 |
| 28) | L6 AR-1254-3 | 7.093 | 6.260 | 52059367 | 42608413 | 522.014 | 490.647 |
| 29) | L6 AR-1254-4 | 7.375 | 6.489 | 45346150 | 27407702 | 523.647 | 488.547 |
| 30) | L6 AR-1254-5 | 7.792 | 6.907 | 48183080 | 36336253 | 599.658 | 503.617 |

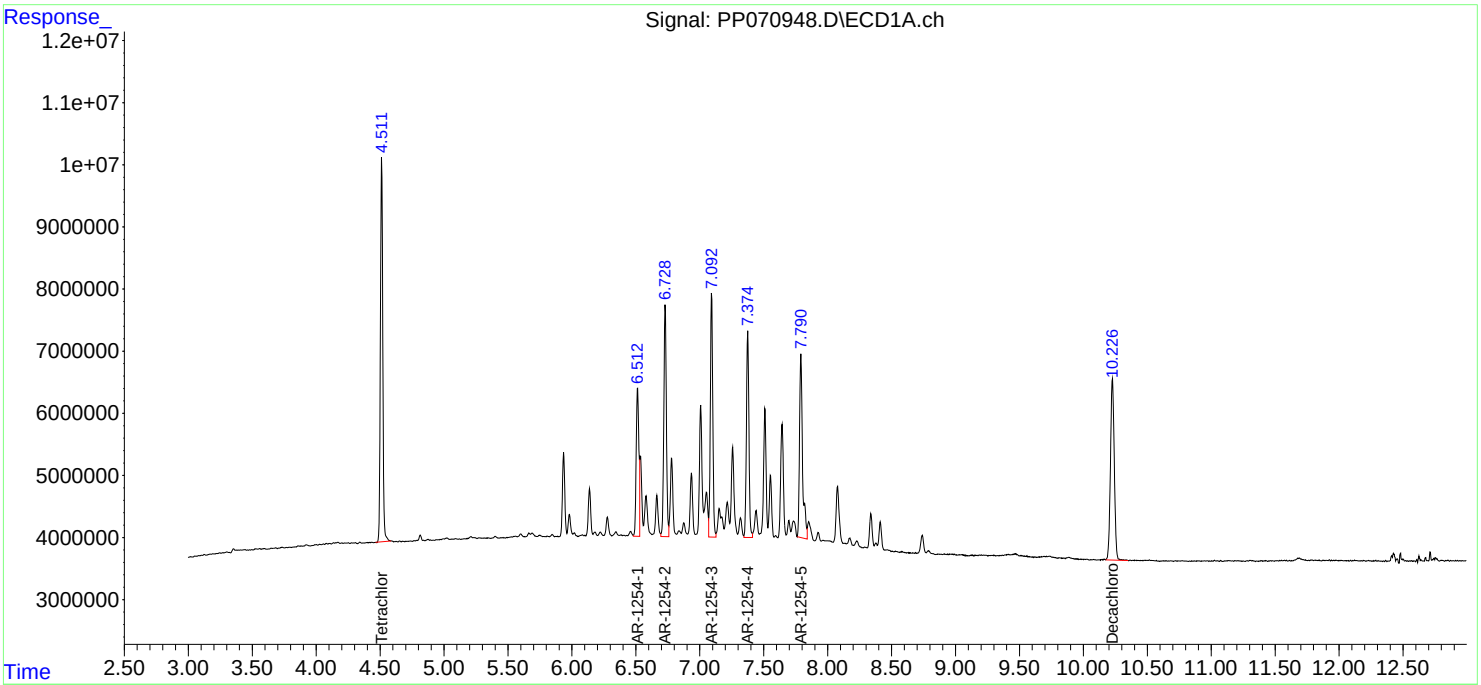
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

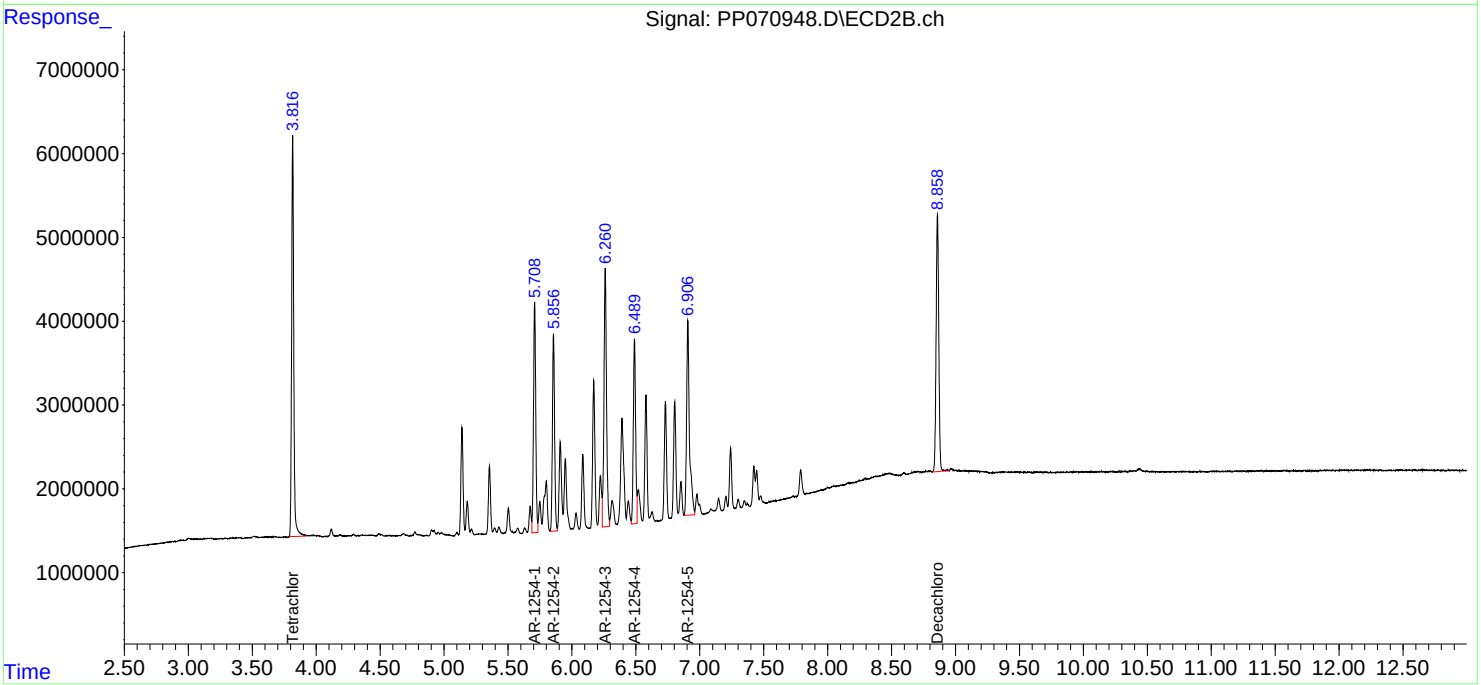
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP032725\
Data File : PP070948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Mar 2025 19:47
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

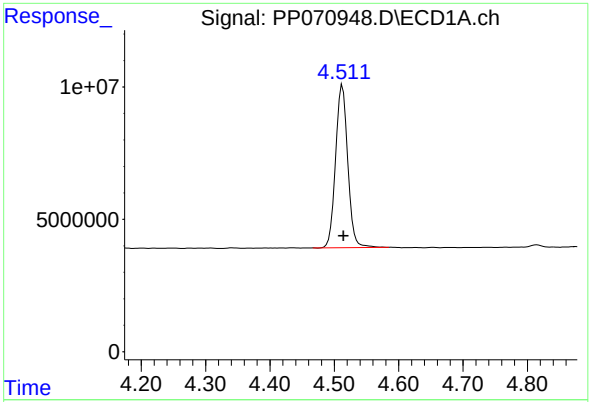
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 28 01:39:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 01:37:11 2025
Response via : Initial Calibration
Integrator: ChemStation

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



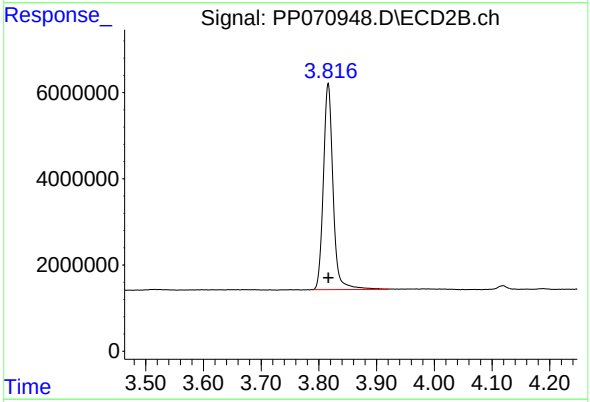






#1 Tetrachloro-m-xylene

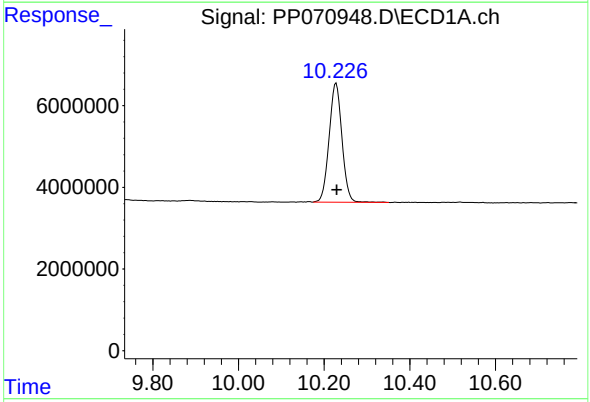
R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 80813408
Conc: 53.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254



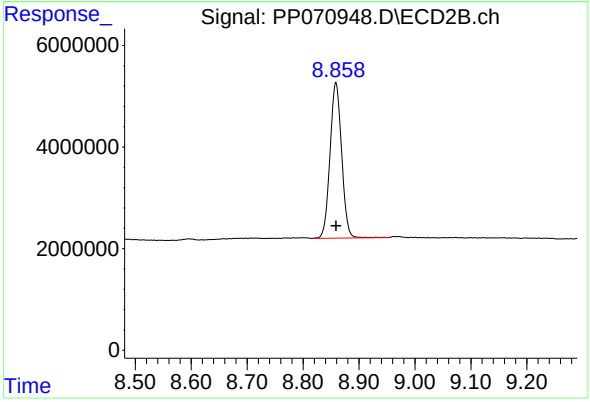

#1 Tetrachloro-m-xylene

R.T.: 3.816 min
Delta R.T.: 0.000 min
Response: 55809150
Conc: 50.69 ng/ml



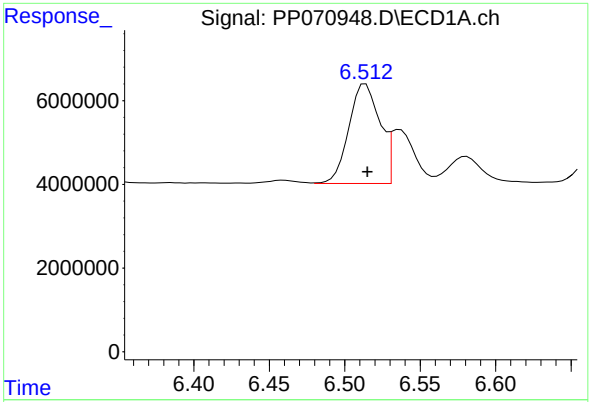

#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.002 min
Response: 60442284
Conc: 53.60 ng/ml




#2 Decachlorobiphenyl

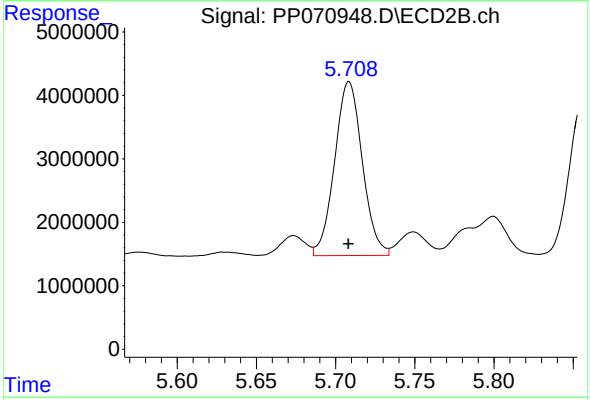
R.T.: 8.859 min
Delta R.T.: 0.000 min
Response: 44113864
Conc: 53.80 ng/ml




#26 AR-1254-1

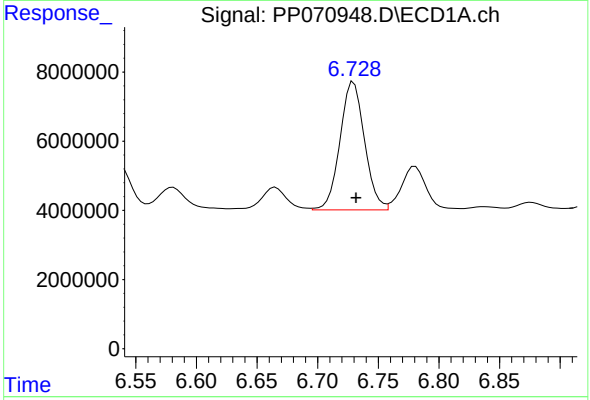
R.T.: 6.514 min
Delta R.T.: -0.001 min
Response: 34026950
Conc: 528.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254



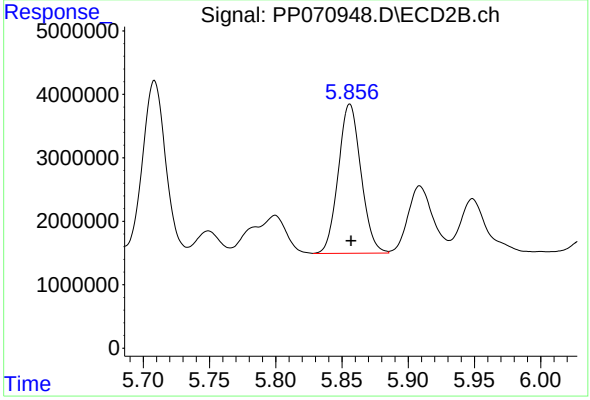

#26 AR-1254-1

R.T.: 5.708 min
Delta R.T.: 0.000 min
Response: 33372474
Conc: 505.51 ng/ml



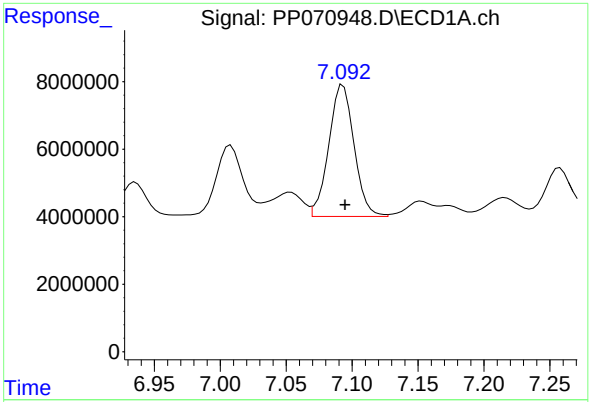

#27 AR-1254-2

R.T.: 6.730 min
Delta R.T.: -0.002 min
Response: 52171420
Conc: 516.09 ng/ml




#27 AR-1254-2

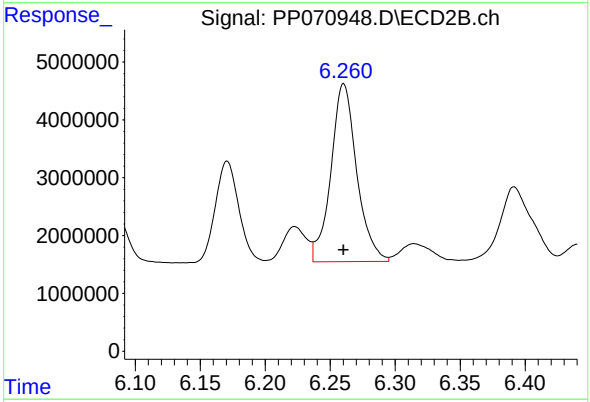
R.T.: 5.856 min
Delta R.T.: 0.000 min
Response: 28060451
Conc: 491.44 ng/ml




#28 AR-1254-3

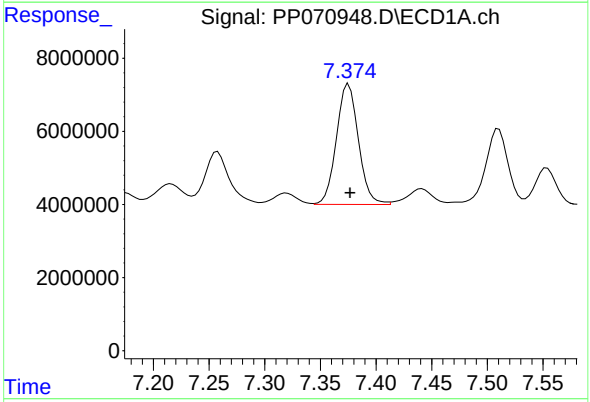
R.T.: 7.093 min
Delta R.T.: -0.001 min
Response: 52059367
Conc: 522.01 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254



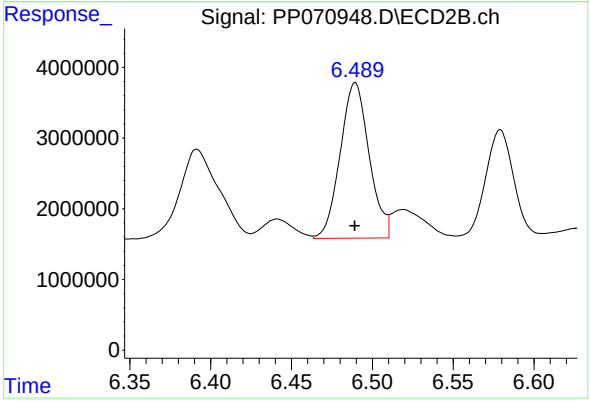

#28 AR-1254-3

R.T.: 6.260 min
Delta R.T.: 0.000 min
Response: 42608413
Conc: 490.65 ng/ml



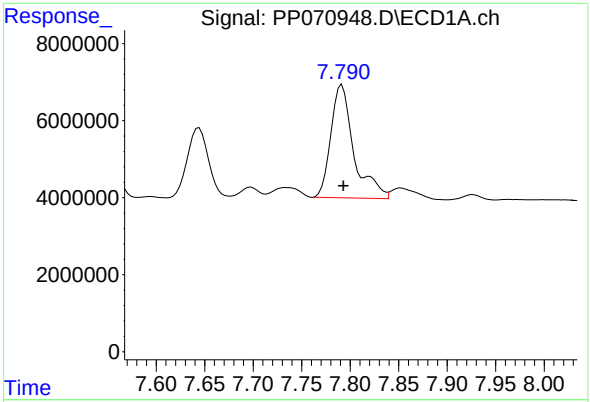

#29 AR-1254-4

R.T.: 7.375 min
Delta R.T.: -0.001 min
Response: 45346150
Conc: 523.65 ng/ml




#29 AR-1254-4

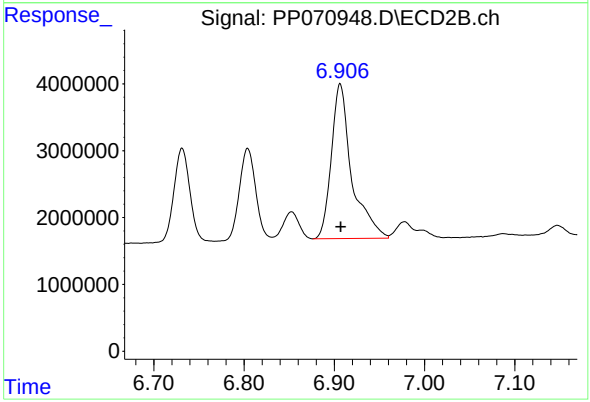
R.T.: 6.489 min
Delta R.T.: 0.000 min
Response: 27407702
Conc: 488.55 ng/ml




#30 AR-1254-5

R.T.: 7.792 min
Delta R.T.: -0.001 min
Response: 48183080
Conc: 599.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP032725AR1254




#30 AR-1254-5

R.T.: 6.907 min
Delta R.T.: 0.000 min
Response: 36336253
Conc: 503.62 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:37
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: Apr 08 10:57:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 | 3.817 | 75031562 | 49693990 | 51.336 | 47.937 | |
| 2) | SA Decachlor... | 10.255 | 8.862 | 53747529 | 34514110 | 51.061 | 43.789 | |
| | Target Compounds | | | | | | | |
| 3) | L1 AR-1016-1 | 5.679 | 4.904 | 25640835 | 19684563 | 504.232 | 491.032 | |
| 4) | L1 AR-1016-2 | 5.679 | 4.923 | 25640835 | 27978272 | 328.503 | 483.509 | # |
| 5) | L1 AR-1016-3 | 5.763 | 5.101 | 23060044 | 16163902 | 488.823 | 522.709 | |
| 6) | L1 AR-1016-4 | 5.861 | 5.142 | 19323906 | 13212574 | 525.739 | 542.479 | |
| 7) | L1 AR-1016-5 | 6.154 | 5.357 | 18307730 | 17134433 | 539.858 | 530.130 | |
| 8) | L2 AR-1221-1 | 4.723 | 4.026 | 2456666 | 2180640 | 141.565 | 143.053 | |
| 9) | L2 AR-1221-2 | 4.813 | 4.115 | 3663977 | 3206249 | 282.869 | 280.357 | |
| 10) | L2 AR-1221-3 | 4.888 | 4.191 | 13293050 | 11445681 | 318.646 | 335.759 | |
| 11) | L3 AR-1232-1 | 4.888 | 4.191 | 13293050 | 11445681 | 399.326 | 408.969 | |
| 12) | L3 AR-1232-2 | 5.414 | 4.923 | 18281252 | 27978272 | 1149.017 | 997.047 | |
| 13) | L3 AR-1232-3 | 5.701 | 5.101 | 38706585 | 16163902 | 1129.447 | 1085.584 | |
| 14) | L3 AR-1232-4 | 5.861 | 5.185 | 19323906 | 15635898 | 1230.228 | 1221.138 | |
| 15) | L3 AR-1232-5 | 5.951 | 5.357 | 15905498 | 17134433 | 1494.828 | 1208.797 | |
| 16) | L4 AR-1242-1 | 5.679 | 4.904 | 25640835 | 19684563 | 583.049 | 575.642 | |
| 17) | L4 AR-1242-2 | 5.679 | 4.923 | 25640835 | 27978272 | 398.668 | 567.998 | # |
| 18) | L4 AR-1242-3 | 5.763 | 5.101 | 23060044 | 16163902 | 561.899 | 606.656 | |
| 19) | L4 AR-1242-4 | 5.861 | 5.185 | 19323906 | 15635898 | 633.086 | 592.757 | |
| 20) | L4 AR-1242-5 | 6.592 | 5.710 | 6855876 | 16691995 | 187.779 | 539.177 | # |
| 21) | L5 AR-1248-1 | 5.679 | 4.904 | 25640835 | 19684563 | 706.602 | 726.905 | |
| 22) | L5 AR-1248-2 | 5.951 | 5.142 | 15905498 | 13212574 | 353.939 | 359.795 | |
| 23) | L5 AR-1248-3 | 6.154 | 5.185 | 18307730 | 15635898 | 361.545 | 404.453 | |
| 24) | L5 AR-1248-4 | 6.528 | 5.357 | 18184937 | 17134433 | 283.486 | 379.576 | # |
| 25) | L5 AR-1248-5 | 6.592 | 5.750 | 6855876 | 4488455 | 112.675 | 105.168 | |
| 26) | L6 AR-1254-1 | 6.528 | 5.710 | 18184937 | 16691995 | 282.418 | 252.841 | |
| 27) | L6 AR-1254-2 | 6.745 | 5.858 | 16493060 | 11838446 | 163.151 | 207.335 | # |
| 28) | L6 AR-1254-3 | 7.109 | 6.244 | 8745572 | 4764413 | 87.694 | 54.863 | # |
| 29) | L6 AR-1254-4 | 7.392 | 6.491 | 6515054 | 3701399 | 75.234 | 65.978 | |
| 30) | L6 AR-1254-5 | 7.807 | 6.908 | 49428901 | 33433766 | 615.162 | 463.388 | |
| 31) | L7 AR-1260-1 | 7.273 | 6.393 | 34786874 | 28041460 | 518.026 | 547.617 | |
| 32) | L7 AR-1260-2 | 7.527 | 6.582 | 51604417 | 34095263 | 536.784 | 534.460 | |
| 33) | L7 AR-1260-3 | 7.885 | 6.735 | 40227656 | 29796945 | 503.360 | 546.865 | |
| 34) | L7 AR-1260-4 | 8.076 | 7.207 | 7015115 | 23421548 | 89.096 | 489.721 | # |
| 35) | L7 AR-1260-5 | 8.431 | 7.448 | 80513512 | 57532352 | 506.737 | 462.069 | |
| 36) | L8 AR-1262-1 | 8.076 | 6.947 | 7015115 | 28743067 | 65.993 | 335.927 | # |
| 37) | L8 AR-1262-2 | 8.431 | 7.207 | 80513512 | 23421548 | 405.849 | 342.098 | |
| 38) | L8 AR-1262-3 | 8.756 | 7.730 | 49500185 | 13610298 | 375.736 | 224.136 | # |
| 39) | L8 AR-1262-4 | 8.835 | 7.794 | 29791065 | 37704999 | 311.574 | 379.300 | |
| 40) | L8 AR-1262-5 | 9.493 | 8.296 | 21754078 | 14122672 | 334.337 | 301.305 | |
| 41) | L9 AR-1268-1 | 8.756 | 7.730 | 49500185 | 13610298 | 210.185 | 79.406 | # |

Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:37
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: Apr 08 10:57:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : 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 |
|---|---|---|---|---|---|---|---|
| 42) L9 | AR-1268-2 | 8.835 | 7.794 | 29791065 | 37704999 | 152.528 | 263.151 # |
| 43) L9 | AR-1268-3 | 9.071 | 8.001 | 324667 | 608932 | 1.900 | 4.945 # |
| 44) L9 | AR-1268-4 | 9.493 | 8.296 | 21754078 | 14122672 | 307.490 | 267.408 |
| 45) L9 | AR-1268-5 | 9.911 | 8.598 | 5287089 | 3490210 | 11.103 | 9.645 |

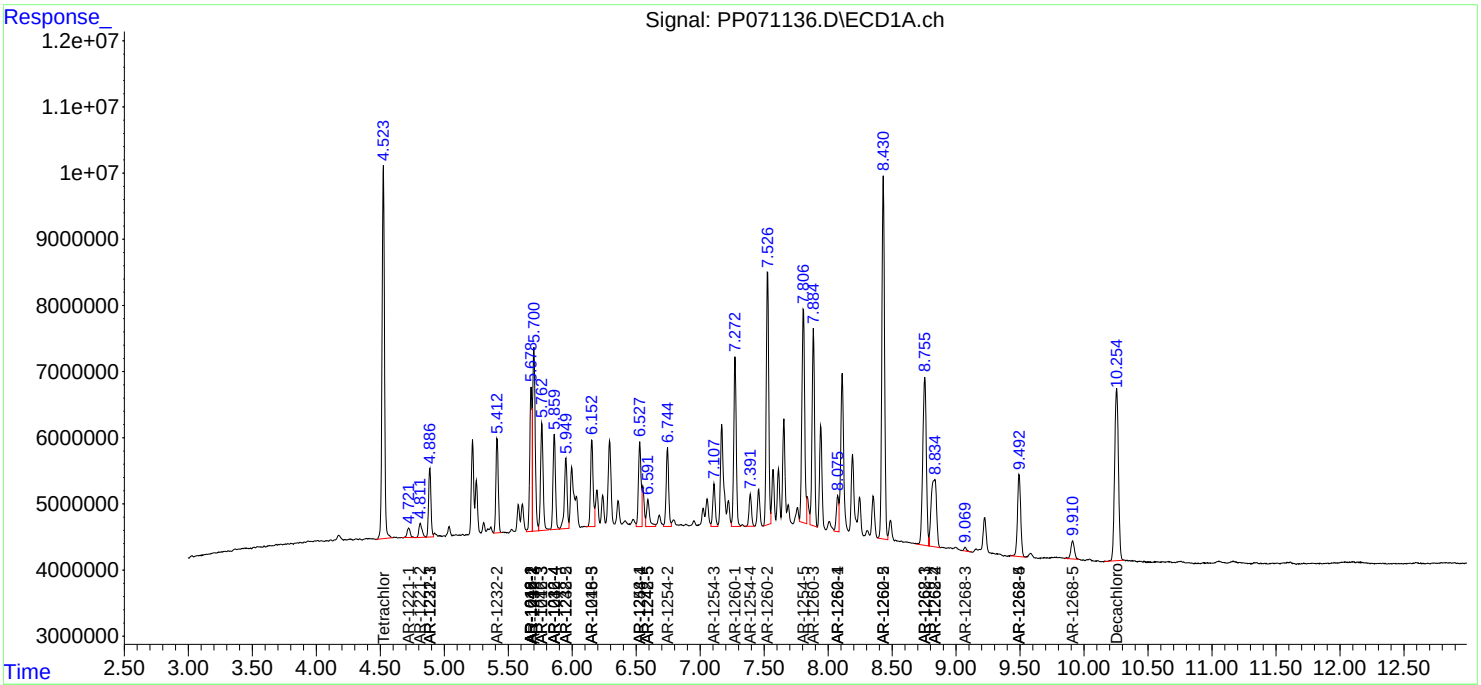
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

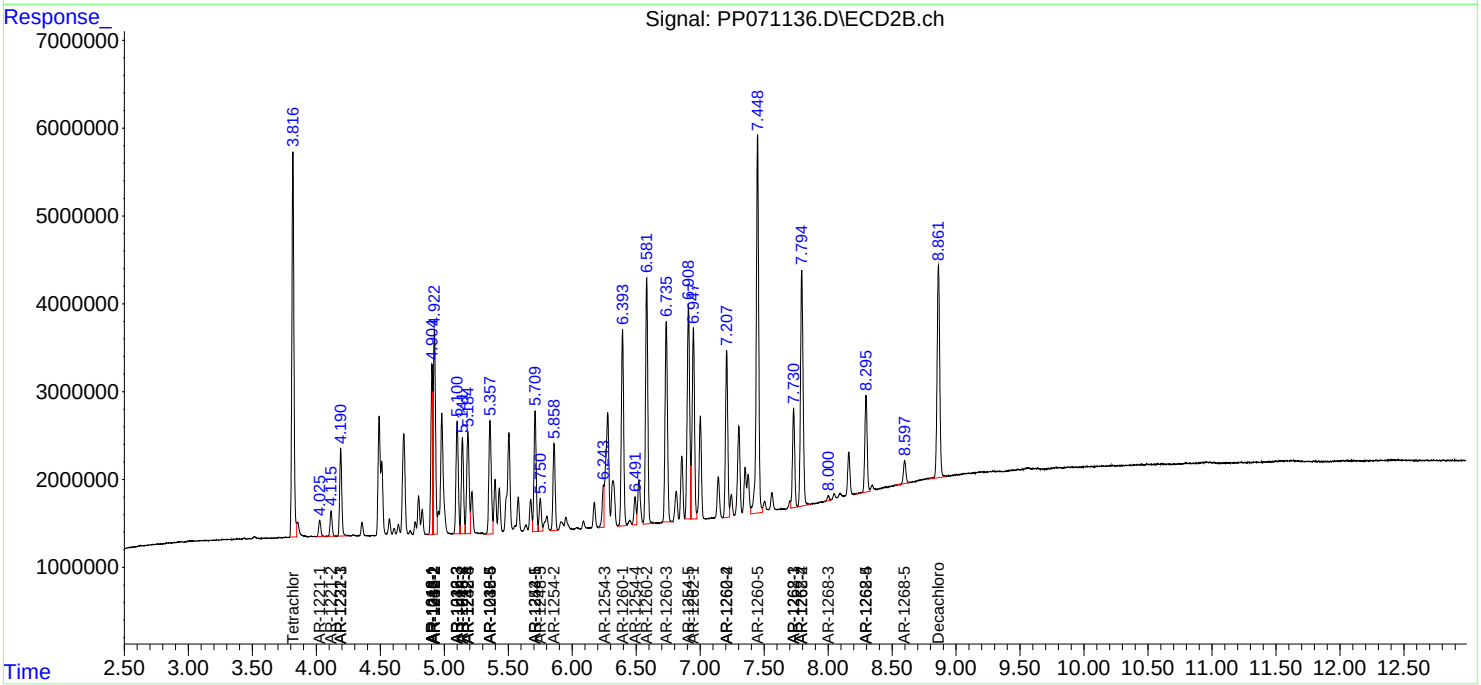
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP040825\
Data File : PP071136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 09:37
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

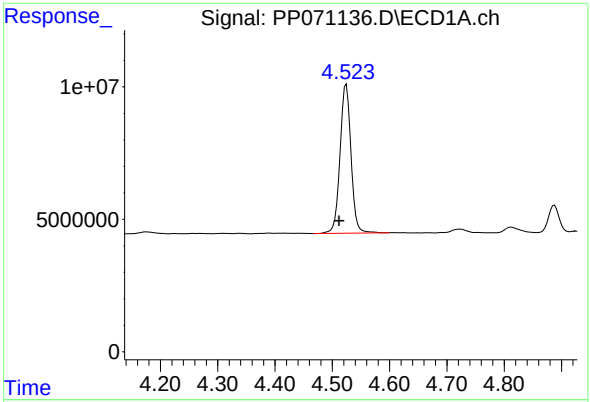
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 10:57:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP032725.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Mar 28 03:13:46 2025
Response via : Initial Calibration
Integrator: ChemStation

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



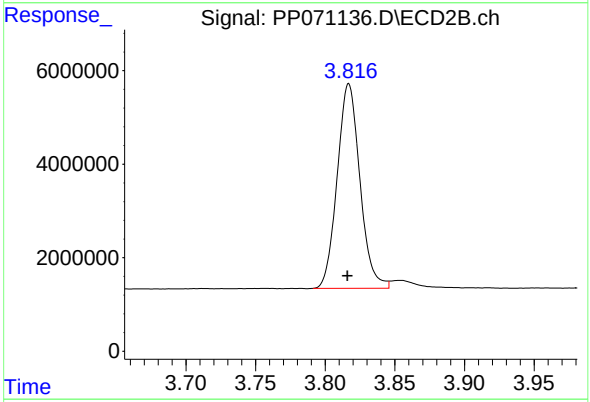






#1 Tetrachloro-m-xylene

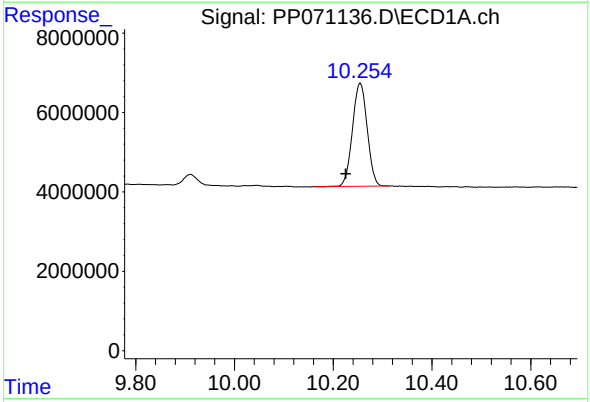
R.T.: 4.524 min
Delta R.T.: 0.012 min
Response: 75031562
Conc: 51.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



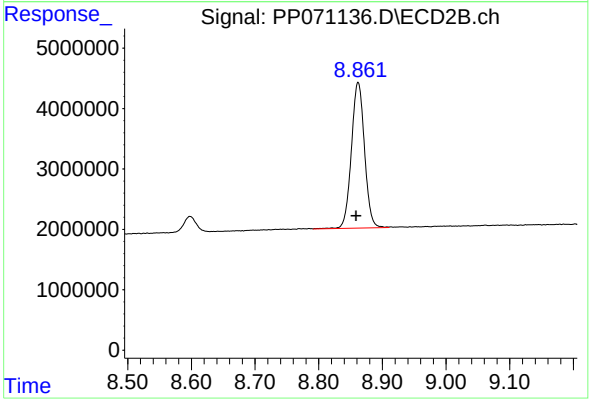

#1 Tetrachloro-m-xylene

R.T.: 3.817 min
Delta R.T.: 0.000 min
Response: 49693990
Conc: 47.94 ng/ml



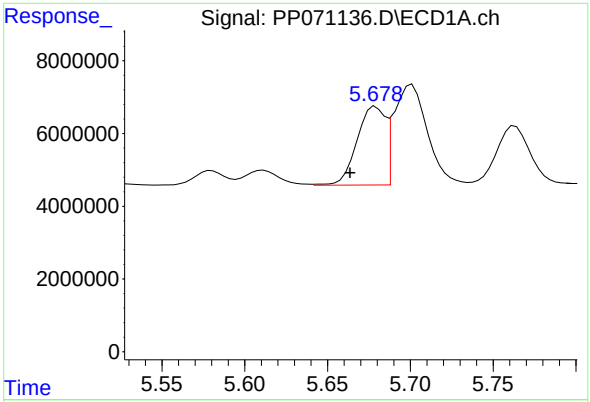

#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.030 min
Response: 53747529
Conc: 51.06 ng/ml




#2 Decachlorobiphenyl

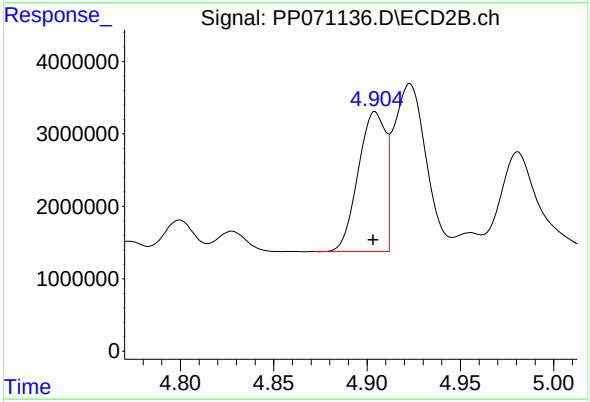
R.T.: 8.862 min
Delta R.T.: 0.003 min
Response: 34514110
Conc: 43.79 ng/ml




#3 AR-1016-1

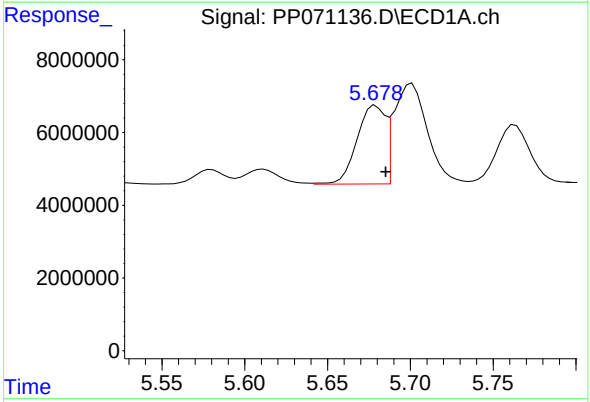
R.T.: 5.679 min
Delta R.T.: 0.016 min
Response: 25640835
Conc: 504.23 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



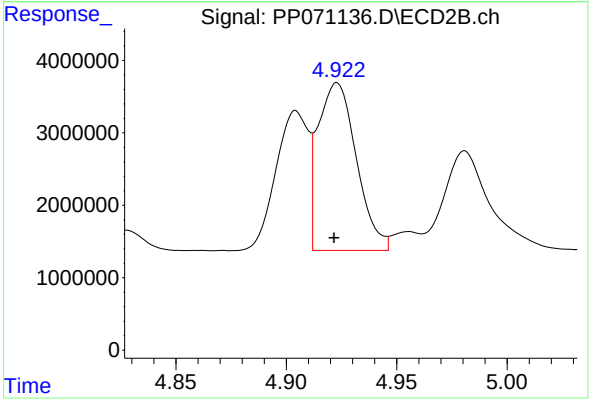

#3 AR-1016-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 19684563
Conc: 491.03 ng/ml



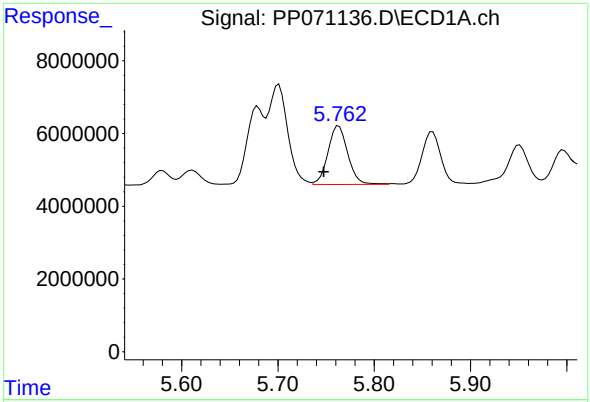

#4 AR-1016-2

R.T.: 5.679 min
Delta R.T.: -0.006 min
Response: 25640835
Conc: 328.50 ng/ml




#4 AR-1016-2

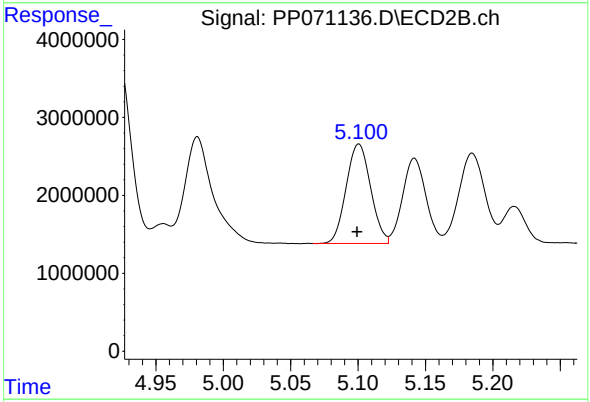
R.T.: 4.923 min
Delta R.T.: 0.001 min
Response: 27978272
Conc: 483.51 ng/ml




#5 AR-1016-3

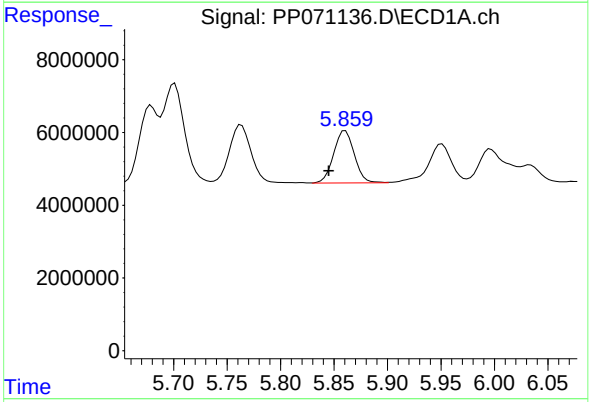
R.T.: 5.763 min
Delta R.T.: 0.016 min
Response: 23060044
Conc: 488.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



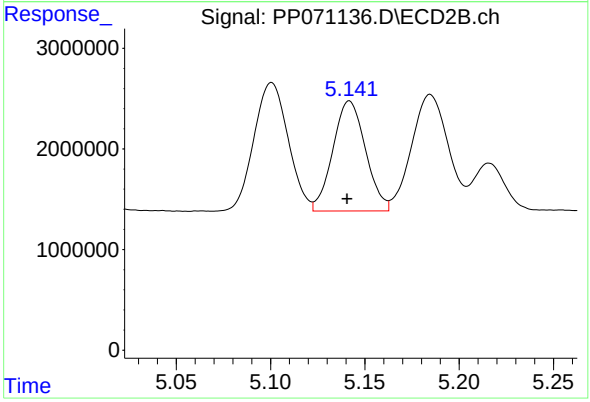

#5 AR-1016-3

R.T.: 5.101 min
Delta R.T.: 0.001 min
Response: 16163902
Conc: 522.71 ng/ml



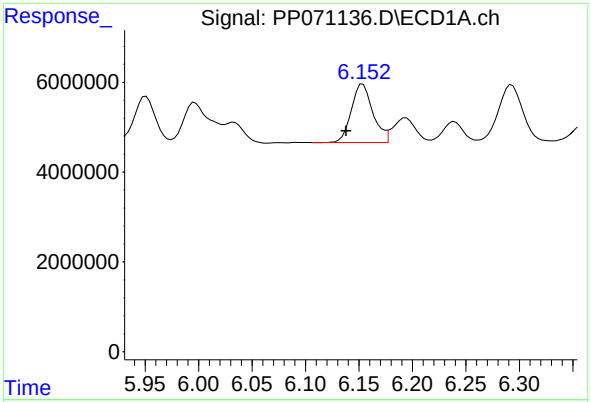

#6 AR-1016-4

R.T.: 5.861 min
Delta R.T.: 0.015 min
Response: 19323906
Conc: 525.74 ng/ml




#6 AR-1016-4

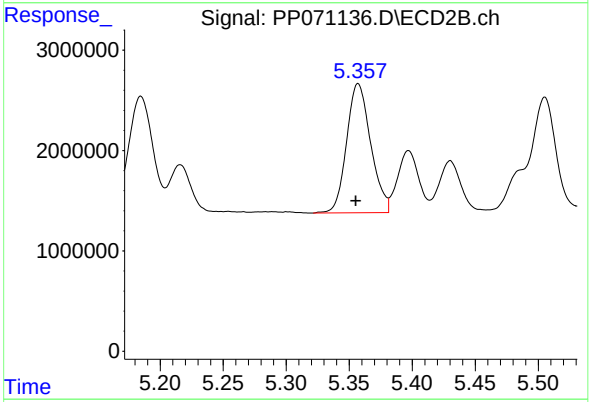
R.T.: 5.142 min
Delta R.T.: 0.001 min
Response: 13212574
Conc: 542.48 ng/ml




#7 AR-1016-5

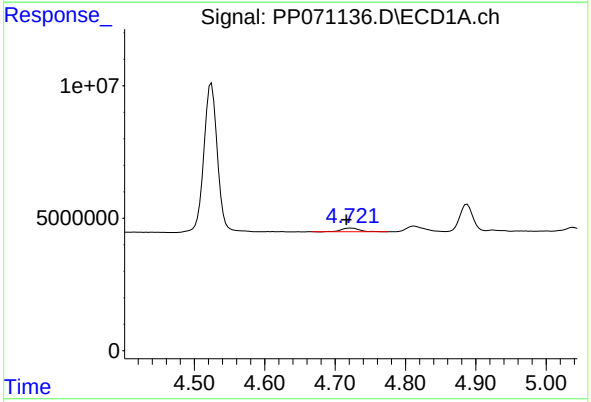
R.T.: 6.154 min
Delta R.T.: 0.016 min
Response: 18307730
Conc: 539.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



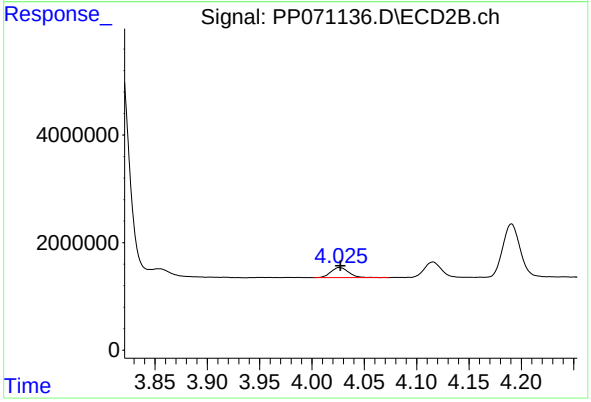

#7 AR-1016-5

R.T.: 5.357 min
Delta R.T.: 0.002 min
Response: 17134433
Conc: 530.13 ng/ml



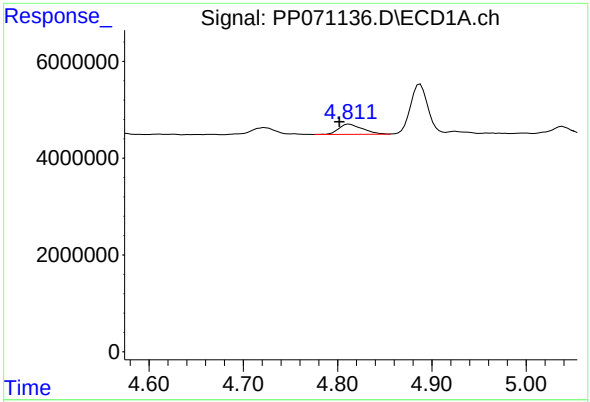

#8 AR-1221-1

R.T.: 4.723 min
Delta R.T.: 0.007 min
Response: 2456666
Conc: 141.56 ng/ml




#8 AR-1221-1

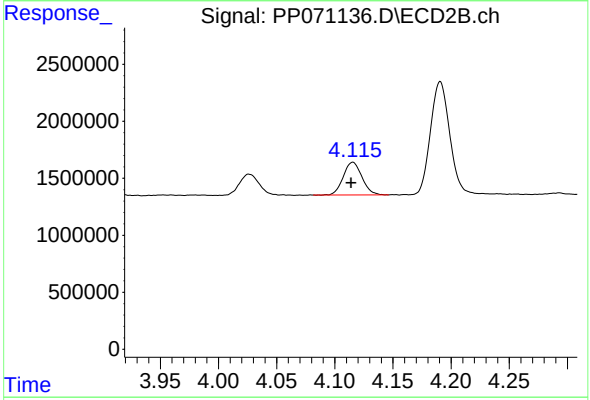
R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 2180640
Conc: 143.05 ng/ml




#9 AR-1221-2

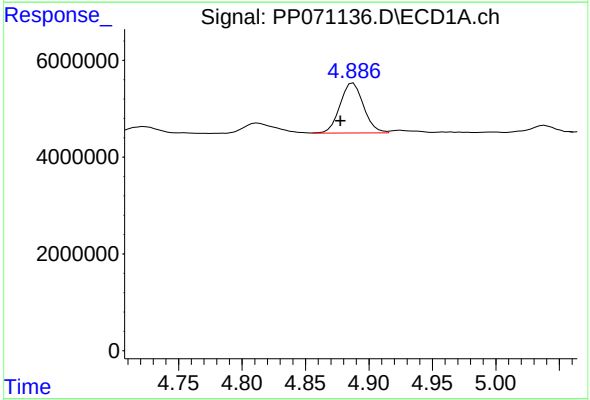
R.T.: 4.813 min
Delta R.T.: 0.010 min
Response: 3663977
Conc: 282.87 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



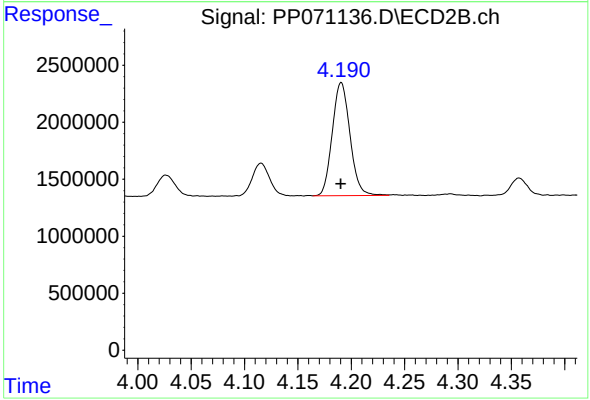

#9 AR-1221-2

R.T.: 4.115 min
Delta R.T.: 0.001 min
Response: 3206249
Conc: 280.36 ng/ml



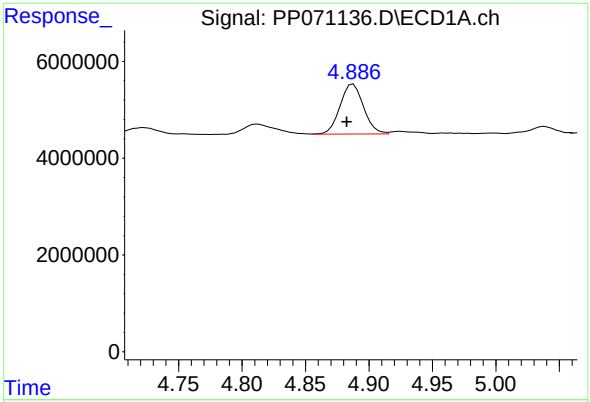

#10 AR-1221-3

R.T.: 4.888 min
Delta R.T.: 0.010 min
Response: 13293050
Conc: 318.65 ng/ml




#10 AR-1221-3

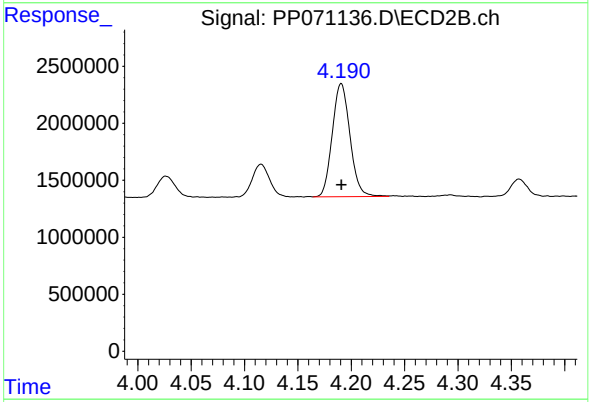
R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 11445681
Conc: 335.76 ng/ml




#11 AR-1232-1

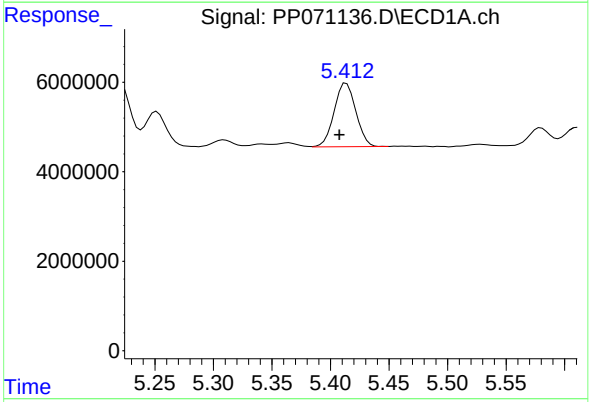
R.T.: 4.888 min
Delta R.T.: 0.005 min
Response: 13293050
Conc: 399.33 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



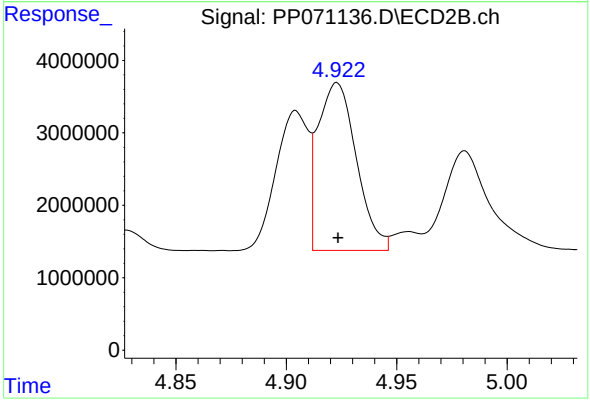

#11 AR-1232-1

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 11445681
Conc: 408.97 ng/ml



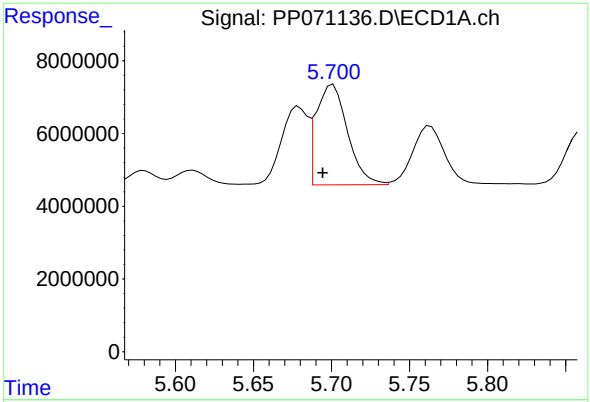

#12 AR-1232-2

R.T.: 5.414 min
Delta R.T.: 0.006 min
Response: 18281252
Conc: 1149.02 ng/ml




#12 AR-1232-2

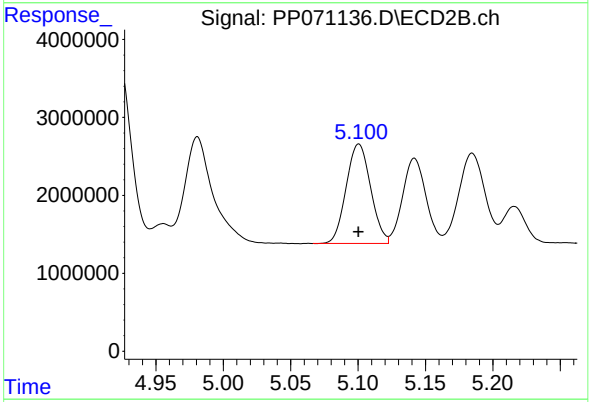
R.T.: 4.923 min
Delta R.T.: 0.000 min
Response: 27978272
Conc: 997.05 ng/ml




#13 AR-1232-3

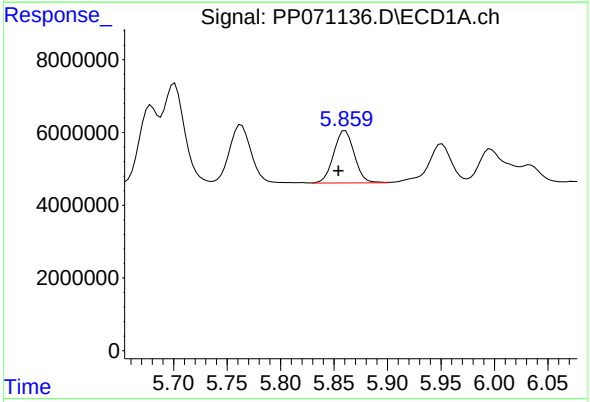
R.T.: 5.701 min
Delta R.T.: 0.007 min
Response: 38706585
Conc: 1129.45 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



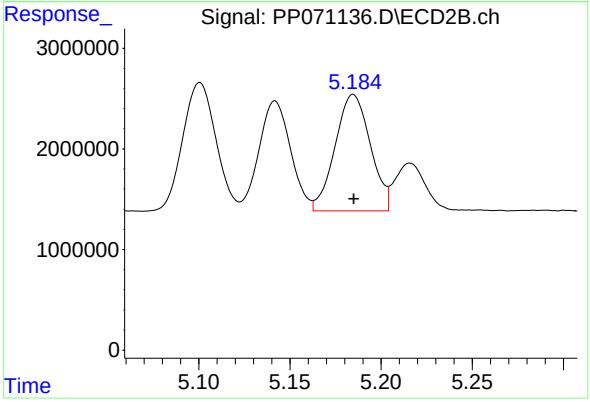

#13 AR-1232-3

R.T.: 5.101 min
Delta R.T.: 0.000 min
Response: 16163902
Conc: 1085.58 ng/ml



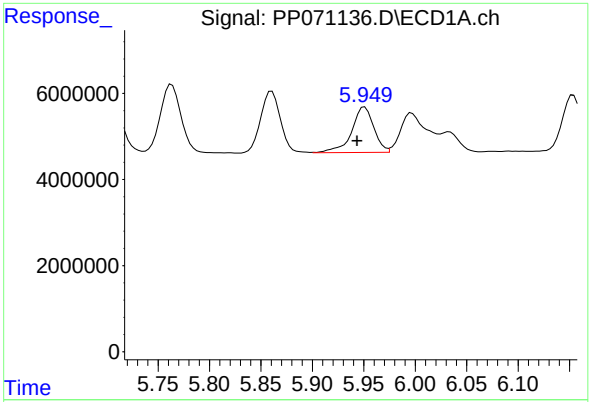

#14 AR-1232-4

R.T.: 5.861 min
Delta R.T.: 0.007 min
Response: 19323906
Conc: 1230.23 ng/ml




#14 AR-1232-4

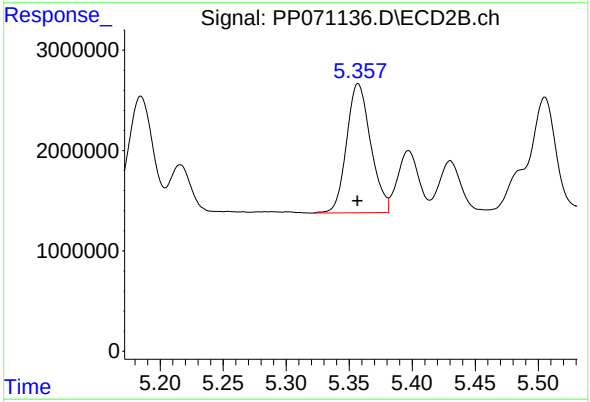
R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 15635898
Conc: 1221.14 ng/ml




#15 AR-1232-5

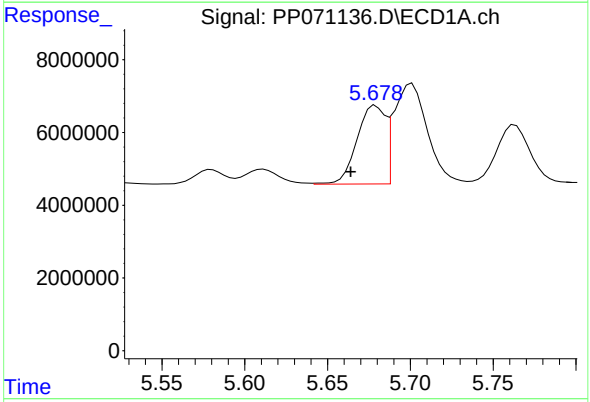
R.T.: 5.951 min
Delta R.T.: 0.008 min
Response: 15905498
Conc: 1494.83 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



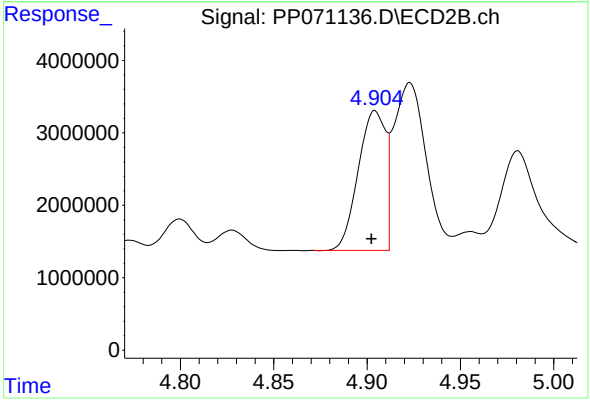

#15 AR-1232-5

R.T.: 5.357 min
Delta R.T.: 0.000 min
Response: 17134433
Conc: 1208.80 ng/ml



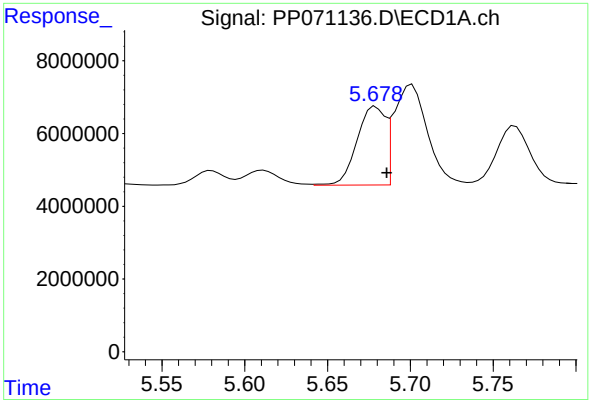

#16 AR-1242-1

R.T.: 5.679 min
Delta R.T.: 0.015 min
Response: 25640835
Conc: 583.05 ng/ml




#16 AR-1242-1

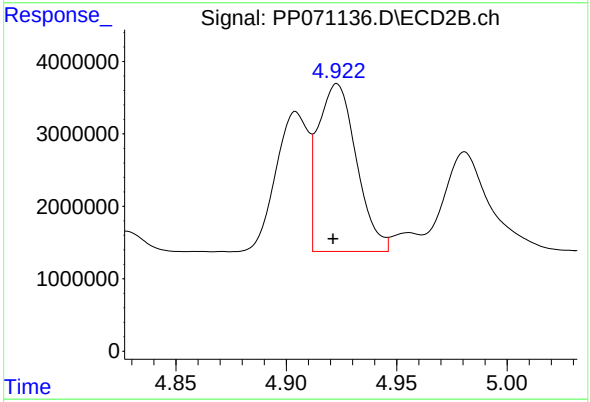
R.T.: 4.904 min
Delta R.T.: 0.002 min
Response: 19684563
Conc: 575.64 ng/ml




#17 AR-1242-2

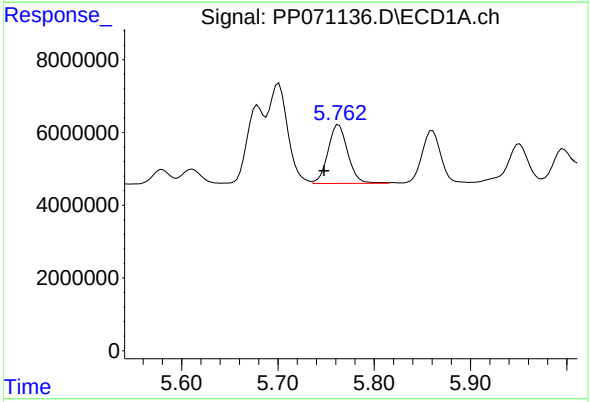
R.T.: 5.679 min
Delta R.T.: -0.007 min
Response: 25640835
Conc: 398.67 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



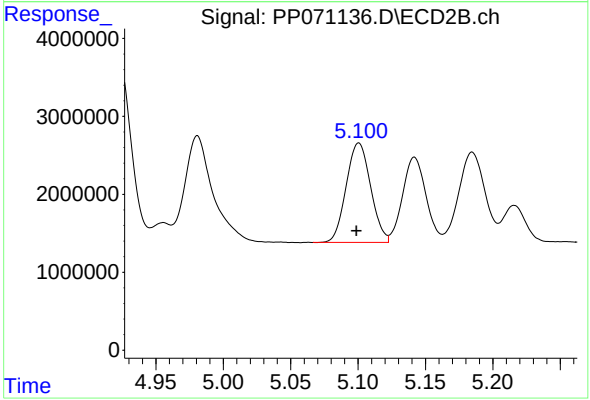

#17 AR-1242-2

R.T.: 4.923 min
Delta R.T.: 0.002 min
Response: 27978272
Conc: 568.00 ng/ml



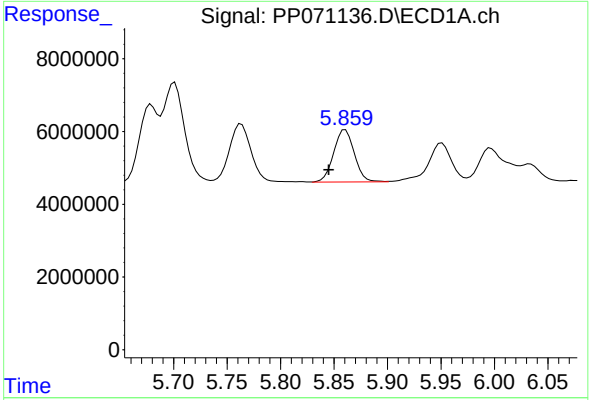

#18 AR-1242-3

R.T.: 5.763 min
Delta R.T.: 0.015 min
Response: 23060044
Conc: 561.90 ng/ml




#18 AR-1242-3

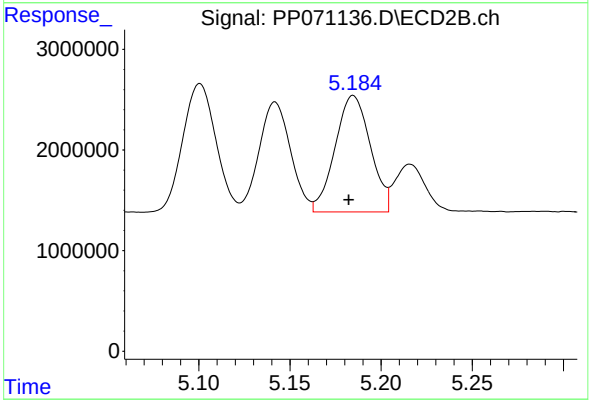
R.T.: 5.101 min
Delta R.T.: 0.002 min
Response: 16163902
Conc: 606.66 ng/ml




#19 AR-1242-4

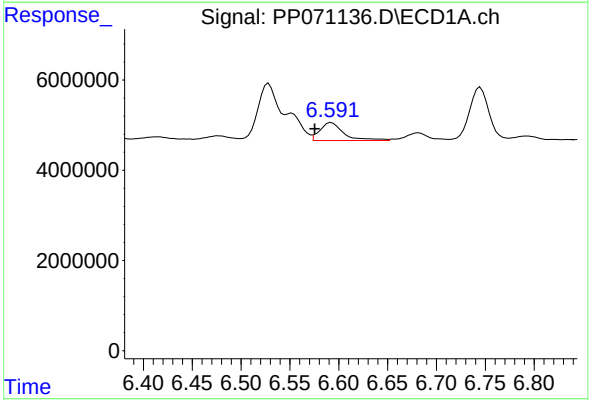
R.T.: 5.861 min
Delta R.T.: 0.015 min
Response: 19323906
Conc: 633.09 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



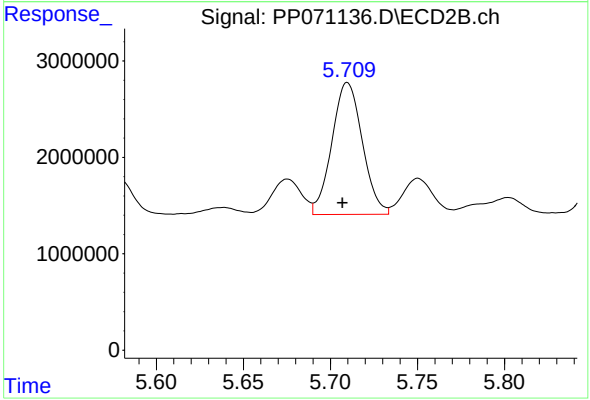

#19 AR-1242-4

R.T.: 5.185 min
Delta R.T.: 0.003 min
Response: 15635898
Conc: 592.76 ng/ml



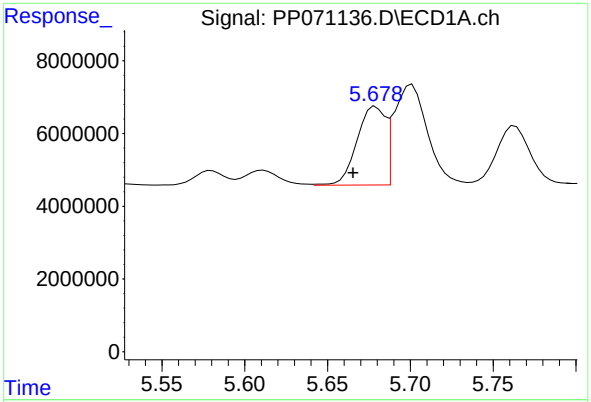

#20 AR-1242-5

R.T.: 6.592 min
Delta R.T.: 0.017 min
Response: 6855876
Conc: 187.78 ng/ml




#20 AR-1242-5

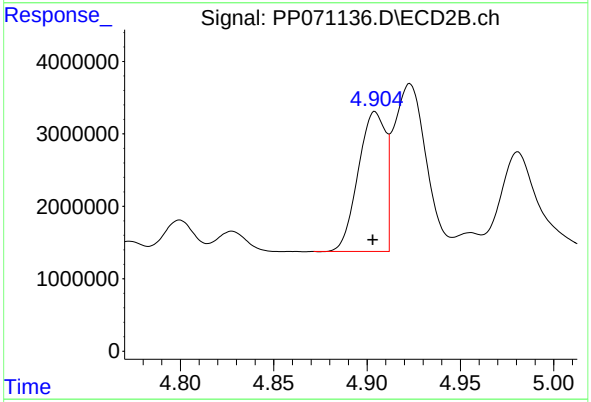
R.T.: 5.710 min
Delta R.T.: 0.003 min
Response: 16691995
Conc: 539.18 ng/ml




#21 AR-1248-1

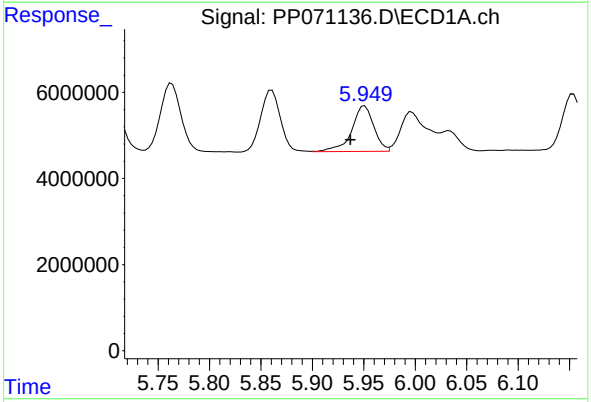
R.T.: 5.679 min
Delta R.T.: 0.014 min
Response: 25640835
Conc: 706.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



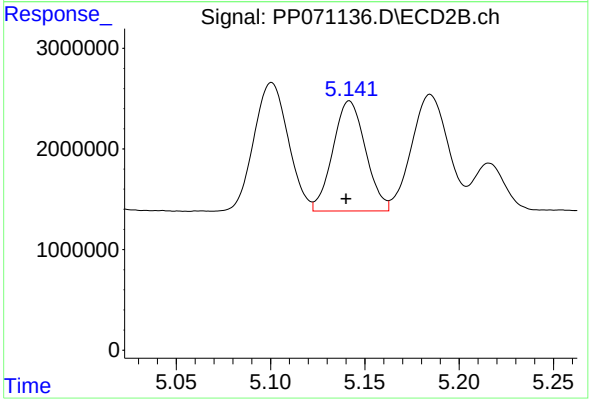

#21 AR-1248-1

R.T.: 4.904 min
Delta R.T.: 0.001 min
Response: 19684563
Conc: 726.90 ng/ml



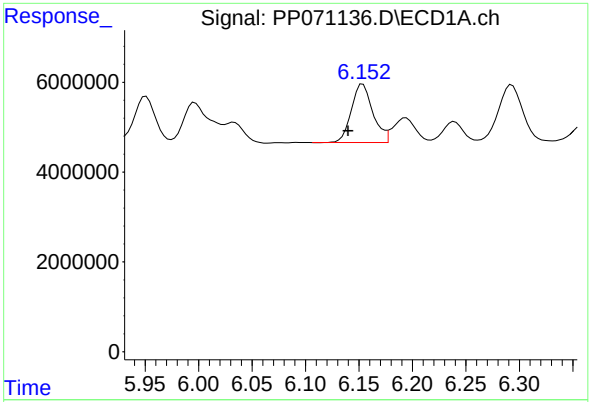

#22 AR-1248-2

R.T.: 5.951 min
Delta R.T.: 0.014 min
Response: 15905498
Conc: 353.94 ng/ml




#22 AR-1248-2

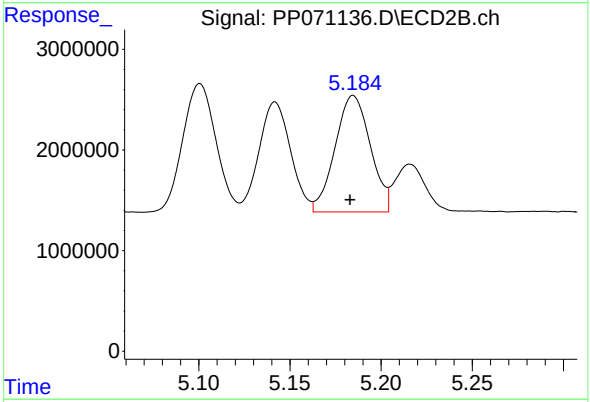
R.T.: 5.142 min
Delta R.T.: 0.002 min
Response: 13212574
Conc: 359.80 ng/ml




#23 AR-1248-3

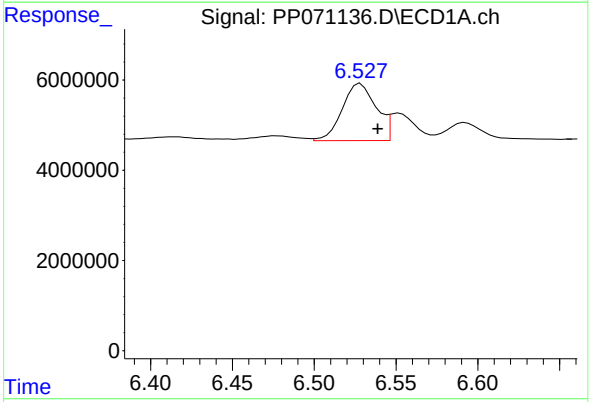
R.T.: 6.154 min
Delta R.T.: 0.014 min
Response: 18307730
Conc: 361.54 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



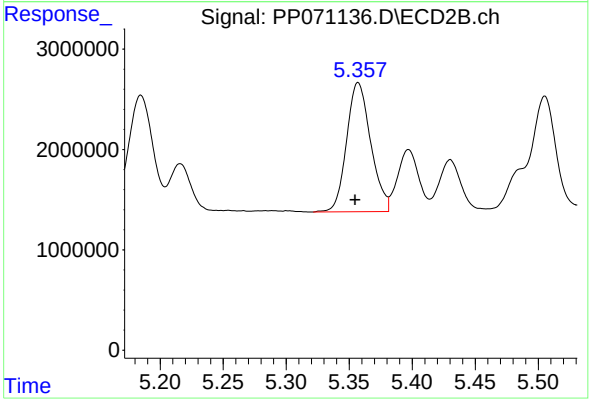

#23 AR-1248-3

R.T.: 5.185 min
Delta R.T.: 0.002 min
Response: 15635898
Conc: 404.45 ng/ml



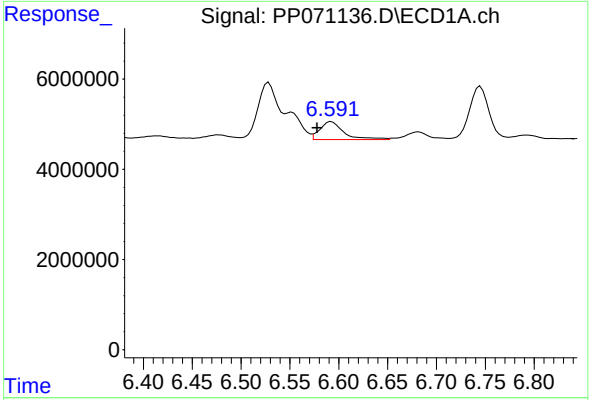

#24 AR-1248-4

R.T.: 6.528 min
Delta R.T.: -0.010 min
Response: 18184937
Conc: 283.49 ng/ml




#24 AR-1248-4

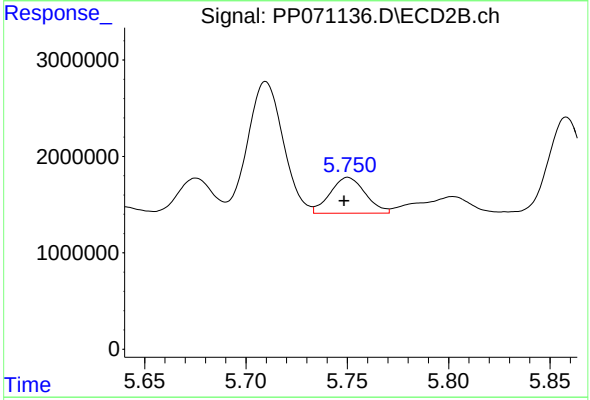
R.T.: 5.357 min
Delta R.T.: 0.002 min
Response: 17134433
Conc: 379.58 ng/ml




#25 AR-1248-5

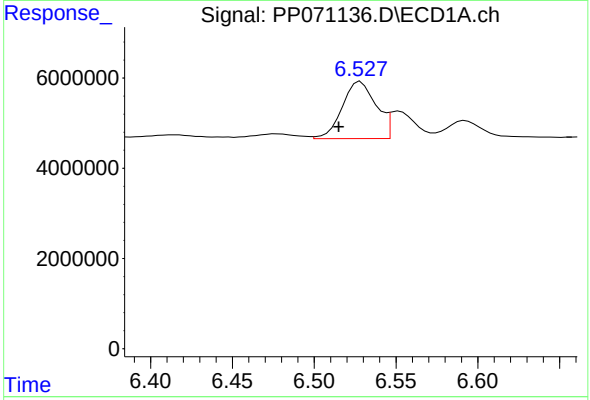
R.T.: 6.592 min
Delta R.T.: 0.015 min
Response: 6855876
Conc: 112.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



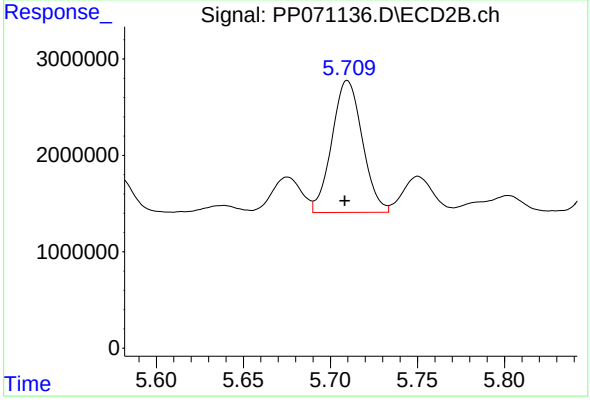

#25 AR-1248-5

R.T.: 5.750 min
Delta R.T.: 0.002 min
Response: 4488455
Conc: 105.17 ng/ml



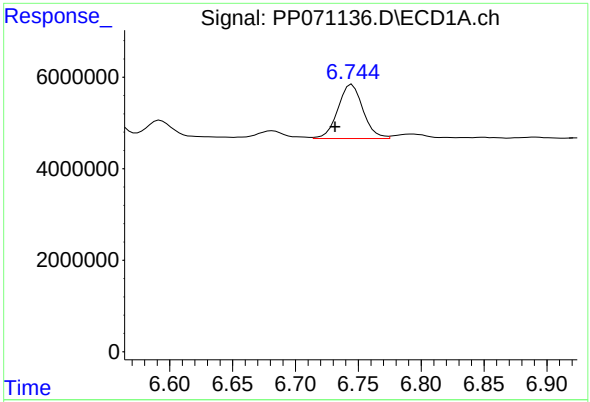

#26 AR-1254-1

R.T.: 6.528 min
Delta R.T.: 0.013 min
Response: 18184937
Conc: 282.42 ng/ml




#26 AR-1254-1

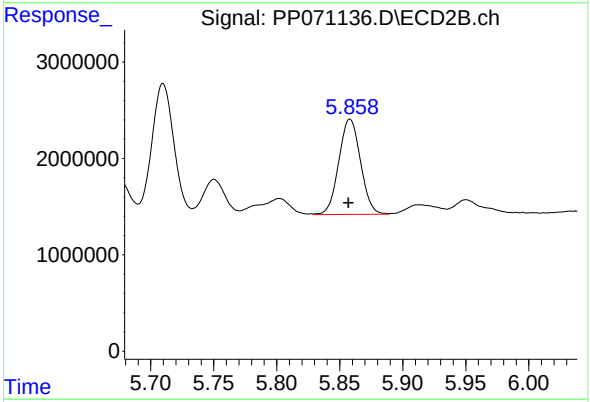
R.T.: 5.710 min
Delta R.T.: 0.002 min
Response: 16691995
Conc: 252.84 ng/ml




#27 AR-1254-2

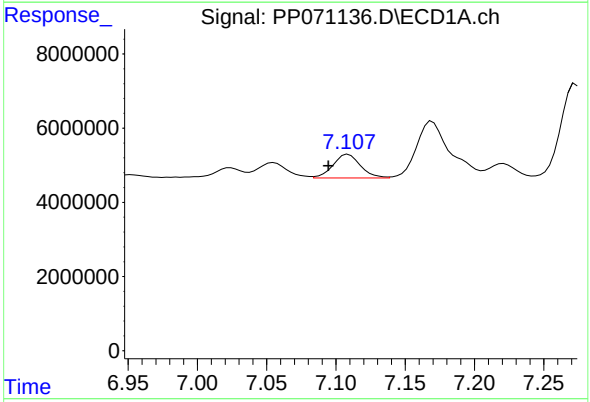
R.T.: 6.745 min
Delta R.T.: 0.013 min
Response: 16493060
Conc: 163.15 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



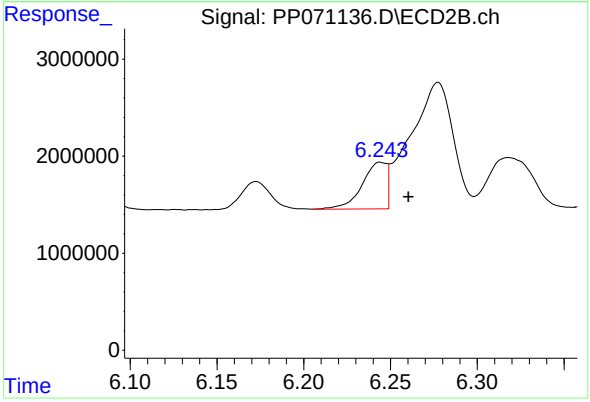

#27 AR-1254-2

R.T.: 5.858 min
Delta R.T.: 0.001 min
Response: 11838446
Conc: 207.34 ng/ml



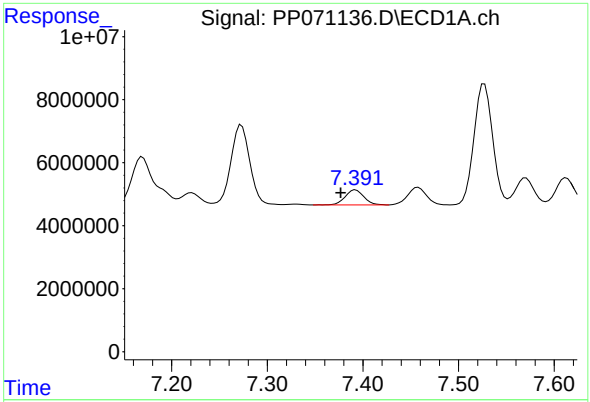

#28 AR-1254-3

R.T.: 7.109 min
Delta R.T.: 0.014 min
Response: 8745572
Conc: 87.69 ng/ml




#28 AR-1254-3

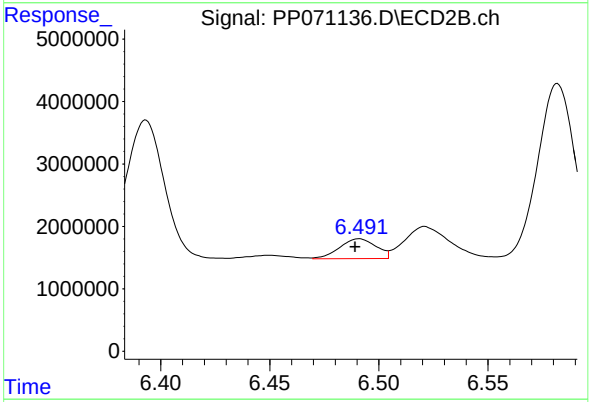
R.T.: 6.244 min
Delta R.T.: -0.016 min
Response: 4764413
Conc: 54.86 ng/ml




#29 AR-1254-4

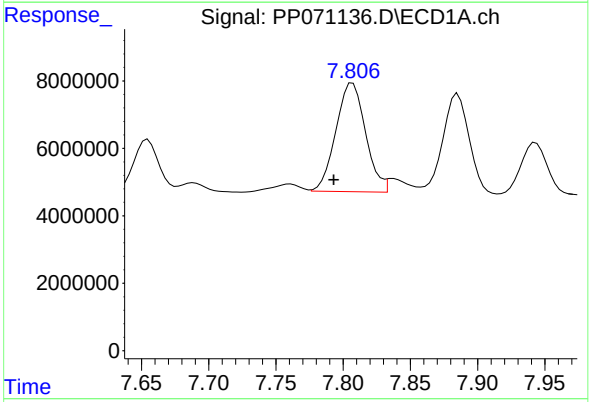
R.T.: 7.392 min
Delta R.T.: 0.015 min
Response: 6515054
Conc: 75.23 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



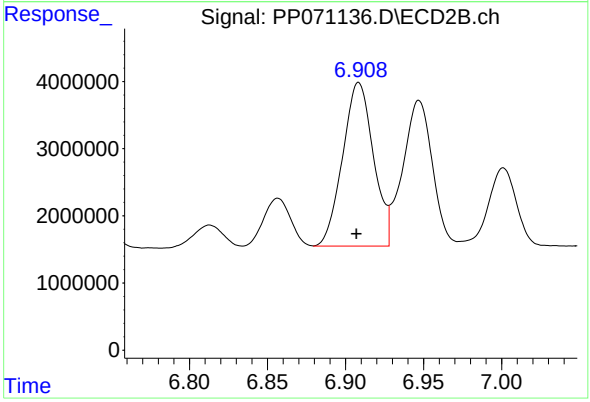

#29 AR-1254-4

R.T.: 6.491 min
Delta R.T.: 0.002 min
Response: 3701399
Conc: 65.98 ng/ml



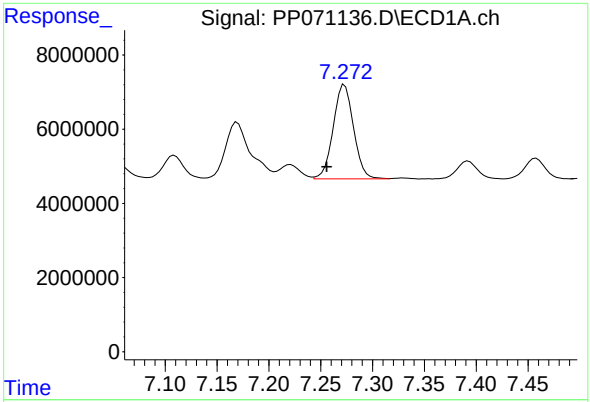

#30 AR-1254-5

R.T.: 7.807 min
Delta R.T.: 0.014 min
Response: 49428901
Conc: 615.16 ng/ml




#30 AR-1254-5

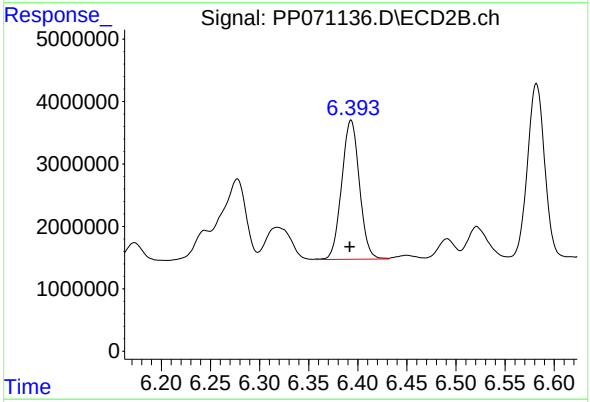
R.T.: 6.908 min
Delta R.T.: 0.001 min
Response: 33433766
Conc: 463.39 ng/ml




#31 AR-1260-1

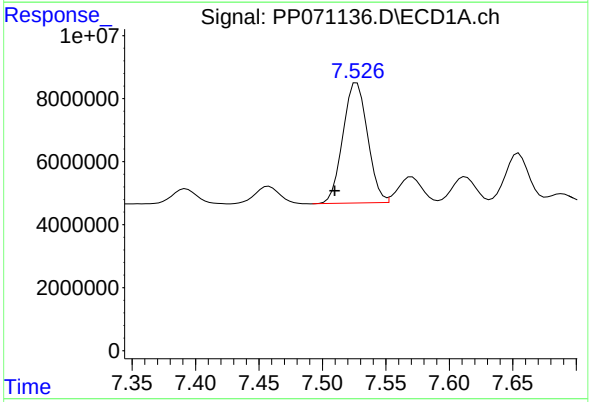
R.T.: 7.273 min
Delta R.T.: 0.017 min
Response: 34786874
Conc: 518.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



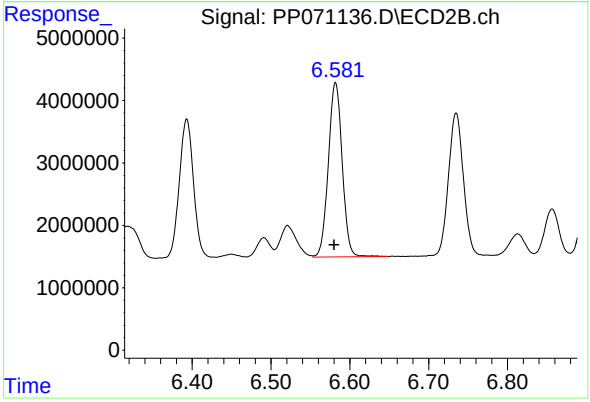

#31 AR-1260-1

R.T.: 6.393 min
Delta R.T.: 0.001 min
Response: 28041460
Conc: 547.62 ng/ml



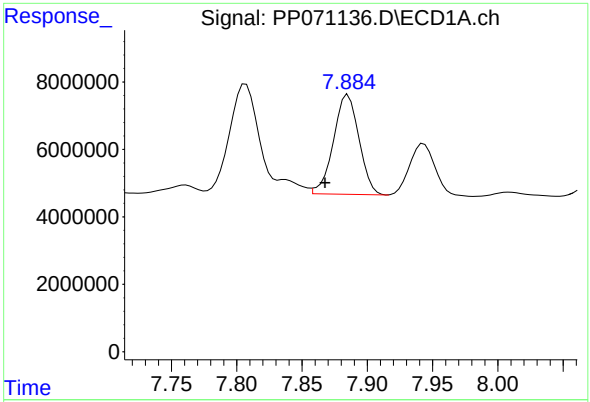

#32 AR-1260-2

R.T.: 7.527 min
Delta R.T.: 0.017 min
Response: 51604417
Conc: 536.78 ng/ml




#32 AR-1260-2

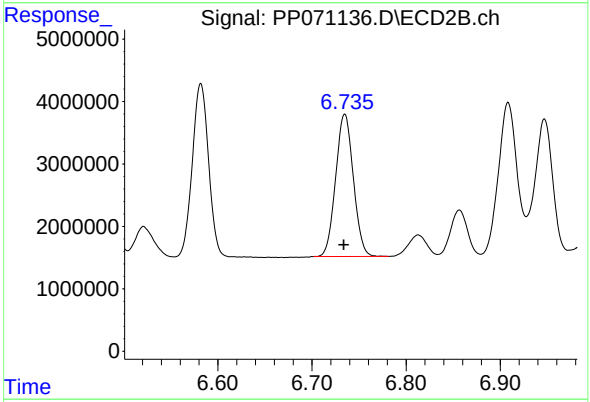
R.T.: 6.582 min
Delta R.T.: 0.002 min
Response: 34095263
Conc: 534.46 ng/ml




#33 AR-1260-3

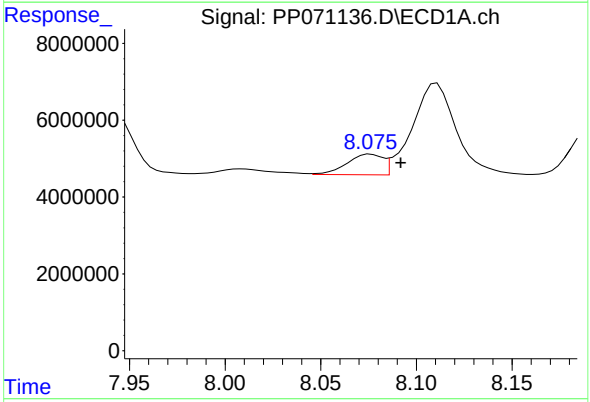
R.T.: 7.885 min
Delta R.T.: 0.018 min
Response: 40227656
Conc: 503.36 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



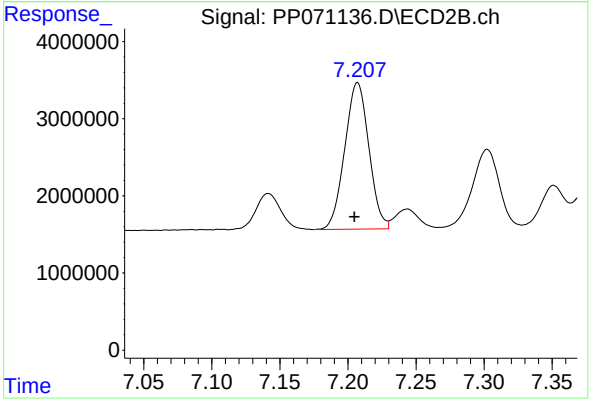

#33 AR-1260-3

R.T.: 6.735 min
Delta R.T.: 0.001 min
Response: 29796945
Conc: 546.87 ng/ml



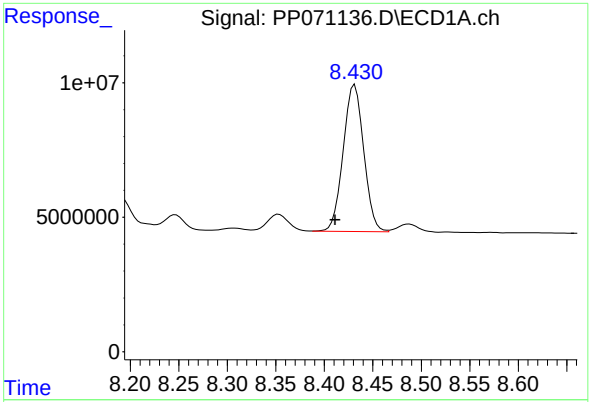

#34 AR-1260-4

R.T.: 8.076 min
Delta R.T.: -0.016 min
Response: 7015115
Conc: 89.10 ng/ml




#34 AR-1260-4

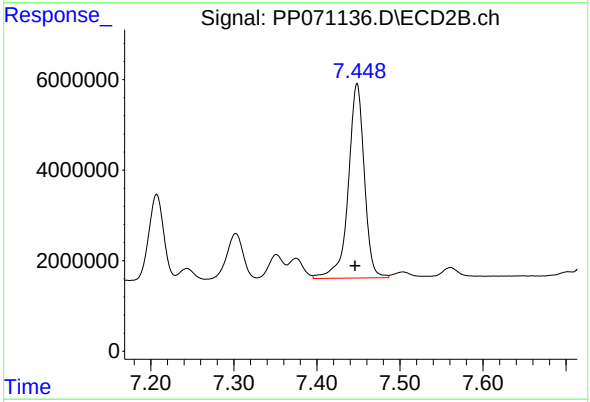
R.T.: 7.207 min
Delta R.T.: 0.002 min
Response: 23421548
Conc: 489.72 ng/ml




#35 AR-1260-5

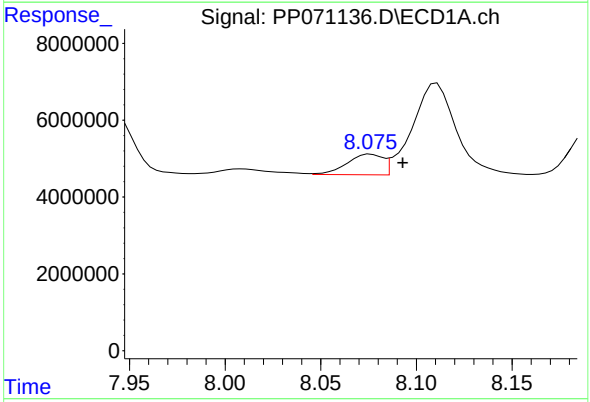
R.T.: 8.431 min
Delta R.T.: 0.020 min
Response: 80513512
Conc: 506.74 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



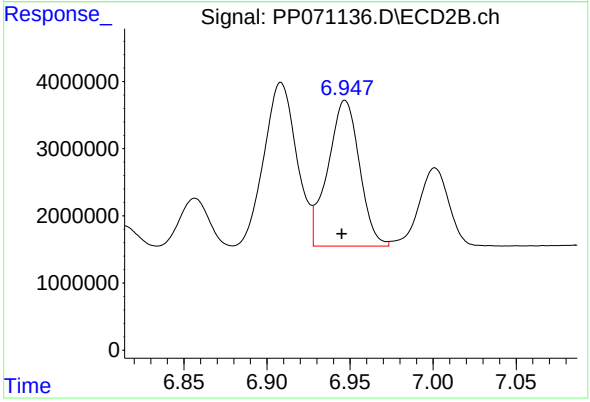

#35 AR-1260-5

R.T.: 7.448 min
Delta R.T.: 0.002 min
Response: 57532352
Conc: 462.07 ng/ml



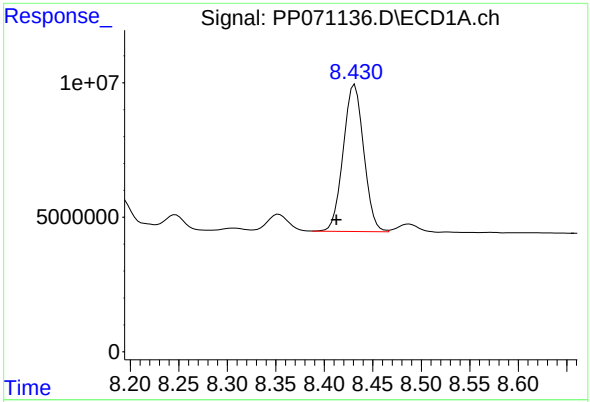

#36 AR-1262-1

R.T.: 8.076 min
Delta R.T.: -0.017 min
Response: 7015115
Conc: 65.99 ng/ml




#36 AR-1262-1

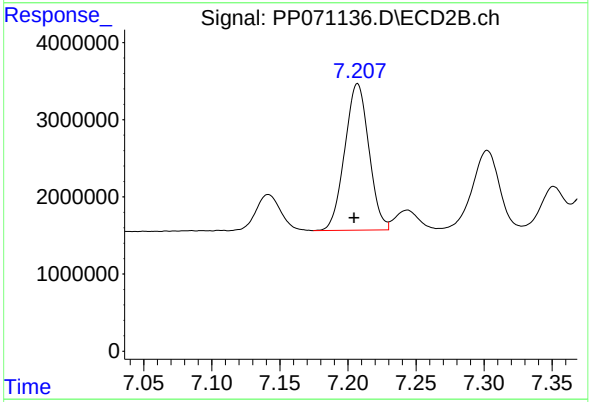
R.T.: 6.947 min
Delta R.T.: 0.002 min
Response: 28743067
Conc: 335.93 ng/ml




#37 AR-1262-2

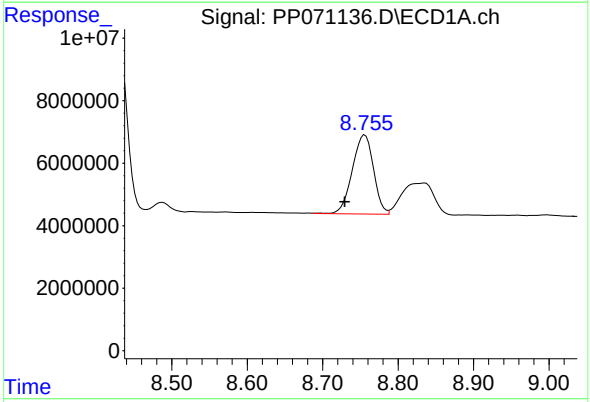
R.T.: 8.431 min
Delta R.T.: 0.019 min
Response: 80513512
Conc: 405.85 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



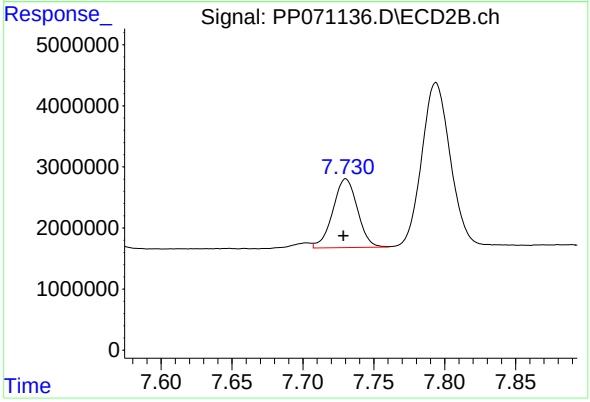

#37 AR-1262-2

R.T.: 7.207 min
Delta R.T.: 0.003 min
Response: 23421548
Conc: 342.10 ng/ml



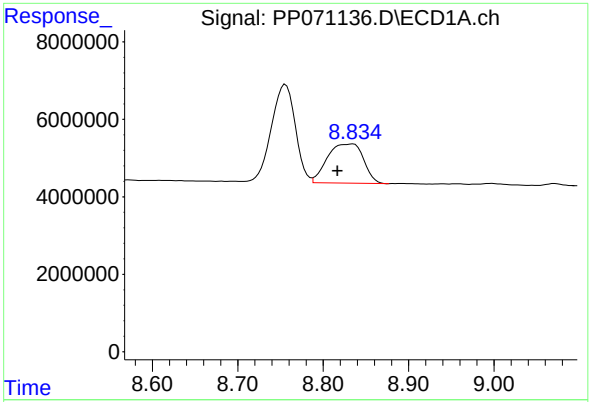

#38 AR-1262-3

R.T.: 8.756 min
Delta R.T.: 0.027 min
Response: 49500185
Conc: 375.74 ng/ml




#38 AR-1262-3

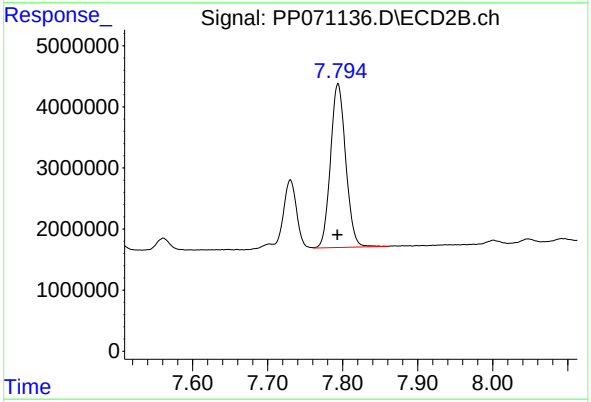
R.T.: 7.730 min
Delta R.T.: 0.002 min
Response: 13610298
Conc: 224.14 ng/ml




#39 AR-1262-4

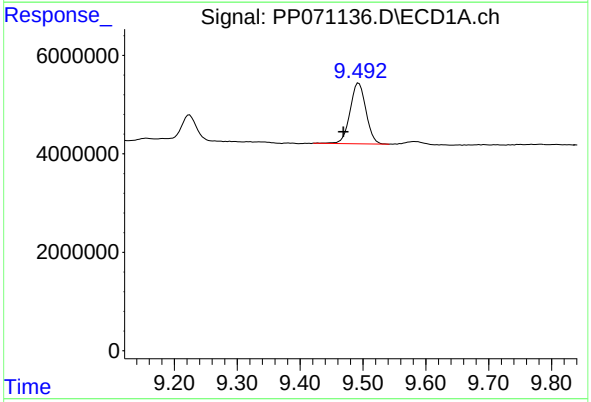
R.T.: 8.835 min
Delta R.T.: 0.019 min
Response: 29791065
Conc: 311.57 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



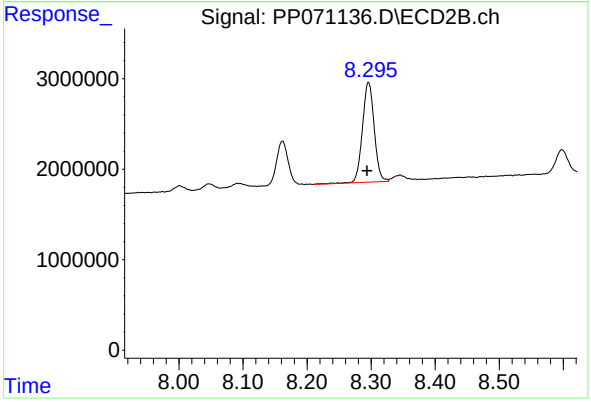

#39 AR-1262-4

R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 37704999
Conc: 379.30 ng/ml



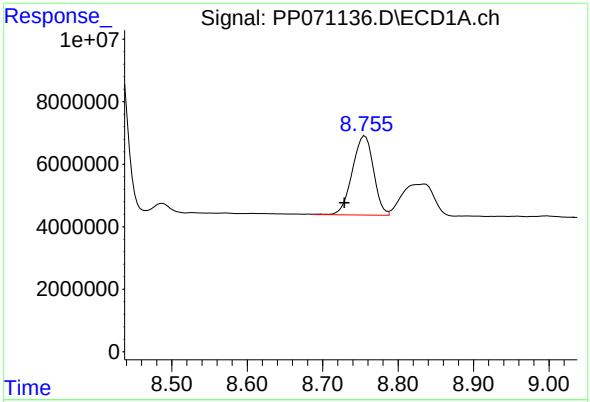

#40 AR-1262-5

R.T.: 9.493 min
Delta R.T.: 0.024 min
Response: 21754078
Conc: 334.34 ng/ml




#40 AR-1262-5

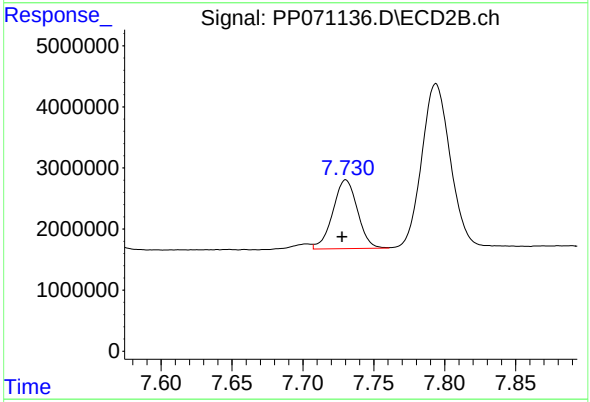
R.T.: 8.296 min
Delta R.T.: 0.002 min
Response: 14122672
Conc: 301.31 ng/ml




#41 AR-1268-1

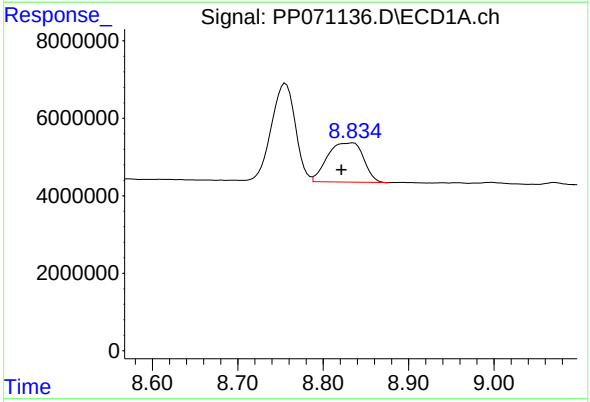
R.T.: 8.756 min
Delta R.T.: 0.027 min
Response: 49500185
Conc: 210.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



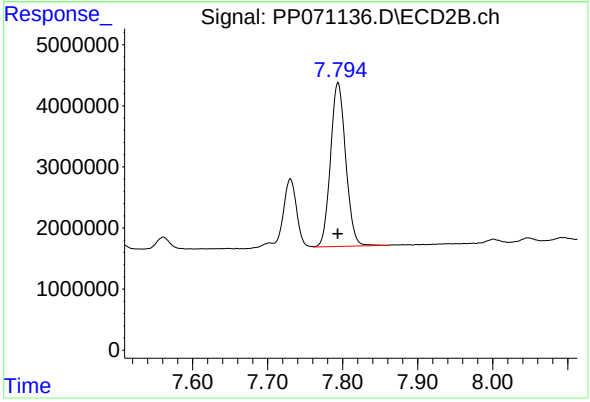

#41 AR-1268-1

R.T.: 7.730 min
Delta R.T.: 0.002 min
Response: 13610298
Conc: 79.41 ng/ml



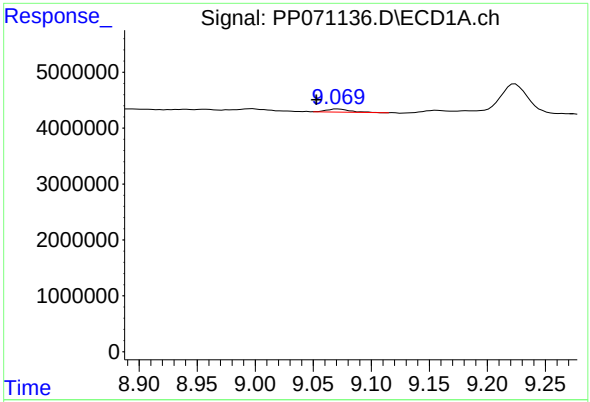

#42 AR-1268-2

R.T.: 8.835 min
Delta R.T.: 0.014 min
Response: 29791065
Conc: 152.53 ng/ml




#42 AR-1268-2

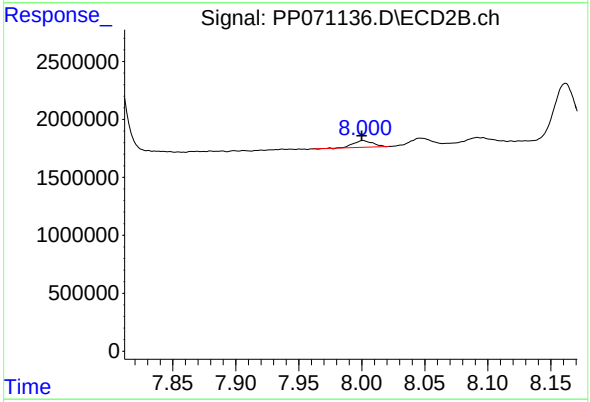
R.T.: 7.794 min
Delta R.T.: 0.000 min
Response: 37704999
Conc: 263.15 ng/ml




#43 AR-1268-3

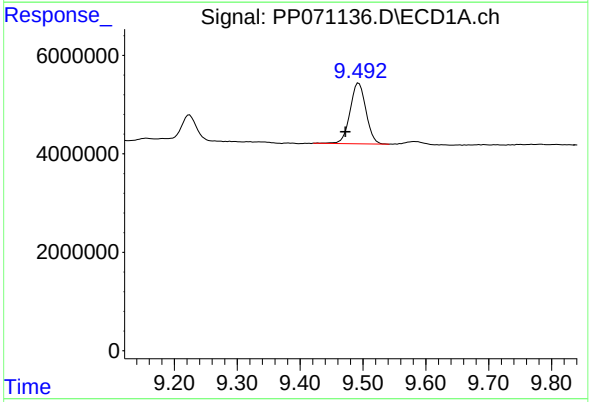
R.T.: 9.071 min
Delta R.T.: 0.019 min
Response: 324667
Conc: 1.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



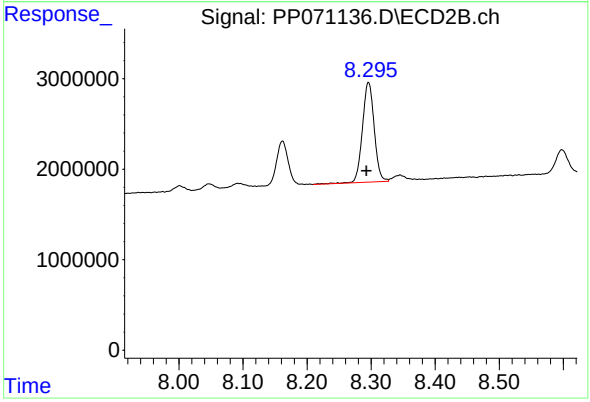

#43 AR-1268-3

R.T.: 8.001 min
Delta R.T.: 0.001 min
Response: 608932
Conc: 4.94 ng/ml



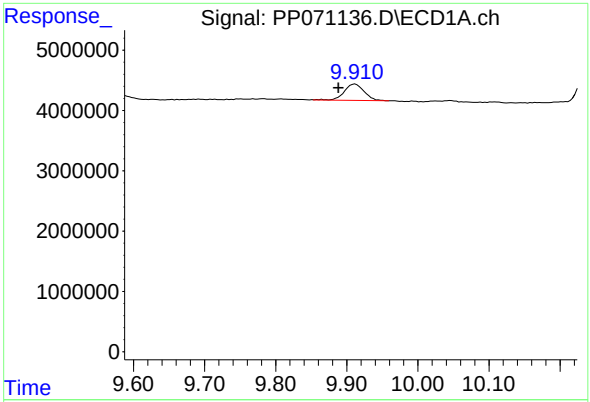

#44 AR-1268-4

R.T.: 9.493 min
Delta R.T.: 0.021 min
Response: 21754078
Conc: 307.49 ng/ml




#44 AR-1268-4

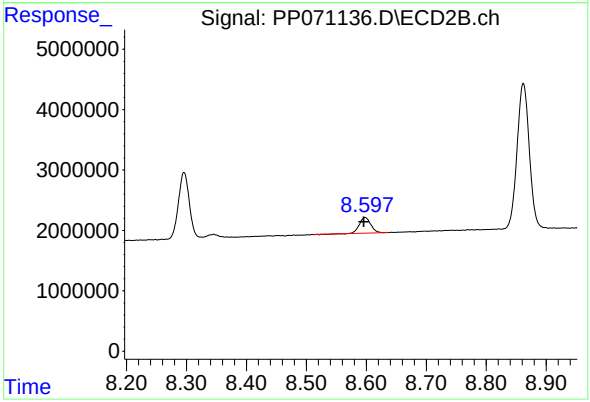
R.T.: 8.296 min
Delta R.T.: 0.003 min
Response: 14122672
Conc: 267.41 ng/ml




#45 AR-1268-5

R.T.: 9.911 min
Delta R.T.: 0.023 min
Response: 5287089
Conc: 11.10 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500




#45 AR-1268-5

R.T.: 8.598 min
Delta R.T.: 0.002 min
Response: 3490210
Conc: 9.64 ng/ml