284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

# 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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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4620 | **OrderDate:** | 10/29/2024 3:36:00 PM |
| **Client:** | Weston Solutions, Inc. | **Project:** | RFP 872 |
| **Contact:** | Smita Sumbaly | **Location:** | K41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4620-02** | **P001-CF06-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-04** | **P001-CF07-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-06** | **P001-CF08-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-08** | **P001-CF09-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-10** | **P001-CF10-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-12** | **P001-CF11-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-14** | **P001-CF12-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-16** | **P001-CF13-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-18** | **P001-CF14-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-20** | **P001-CF15-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-25** | **P001-CF16-01** | **SOIL** | | | **10/29/24** | | | **10/29/24** |
| | | | SPLP PCB | 8082A | | 10/31/24 | 10/31/24 | |
| **P4620-30** | **P001-CF16-02** | **SOIL** | | | **10/29/24** | | | **10/29/24** |

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## LAB CHRONICLE

| | | | |
|---|---|---|---|
| SPLP PCB | 8082A | 10/31/24 | 10/31/24 |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4620 **Order ID:** P4620

**Client:** Weston Solutions, Inc. **Project ID:** RFP 872

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

**Client ID :**

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

# QC
# SUMMARY

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## Surrogate Summary

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PO107183.D | PIBLK-PO107183.D | Tetrachloro-m-xylene | 1 | 20 | 22.5 | 112 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 23.4 | 117 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 110 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 22.8 | 114 | | 60 | 140 |
| I.BLK-PO107568.D | PIBLK-PO107568.D | Tetrachloro-m-xylene | 1 | 20 | 19.7 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 18.3 | 92 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.6 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 17.1 | 85 | | 60 | 140 |
| P4620-16 | P001-CF13-01 | Tetrachloro-m-xylene | 1 | 20 | 16.8 | 84 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 17.2 | 86 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.6 | 108 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 16.3 | 81 | | 32 | 175 |
| P4620-18 | P001-CF14-01 | Tetrachloro-m-xylene | 1 | 20 | 23.2 | 116 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 19.5 | 98 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 23.7 | 119 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 18.7 | 93 | | 32 | 175 |
| P4620-20 | P001-CF15-01 | Tetrachloro-m-xylene | 1 | 20 | 19.9 | 99 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 17.2 | 86 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.4 | 107 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 16.5 | 82 | | 32 | 175 |
| P4620-25 | P001-CF16-01 | Tetrachloro-m-xylene | 1 | 20 | 20.3 | 101 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 17.6 | 88 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.9 | 104 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 17.1 | 85 | | 32 | 175 |
| P4620-26MS | P001-CF16-01MS | Tetrachloro-m-xylene | 1 | 20 | 21.2 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 16.0 | 80 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.5 | 103 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 15.6 | 78 | | 32 | 175 |
| P4620-27MSD | P001-CF16-01MSD | Tetrachloro-m-xylene | 1 | 20 | 21.3 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 16.1 | 81 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.6 | 103 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 15.9 | 79 | | 32 | 175 |
| P4620-30 | P001-CF16-02 | Tetrachloro-m-xylene | 1 | 20 | 21.3 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 18.5 | 93 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 21.7 | 109 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 18.4 | 92 | | 32 | 175 |
| I.BLK-PO107580.D | PIBLK-PO107580.D | Tetrachloro-m-xylene | 1 | 20 | 20.0 | 100 | | 60 | 140 |
| | | Decachlorobiphenyl | 1 | 20 | 19.4 | 97 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.6 | 98 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 19.8 | 99 | | 60 | 140 |
| I.BLK-PP067586.D | PIBLK-PP067586.D | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 105 | | 60 | 140 |

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## Surrogate Summary

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| I.BLK-PP067586.D | PIBLK-PP067586.D | Decachlorobiphenyl | 1 | 20 | 23.6 | 118 | | 60 | 140 |
| | | Tetrachloro-m-xylene | 2 | 20 | 22.1 | 110 | | 60 | 140 |
| | | Decachlorobiphenyl | 2 | 20 | 23.5 | 117 | | 60 | 140 |
| I.BLK-PP068322.D | PIBLK-PP068322.D | Tetrachloro-m-xylene | 1 | 20 | 18.4 | 92 | | 10 | 157 |
| | | Decachlorobiphenyl | 1 | 20 | 19.2 | 96 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.5 | 83 | | 10 | 157 |
| | | Decachlorobiphenyl | 2 | 20 | 18.4 | 92 | | 10 | 173 |
| PB164566BL | PB164566BL | Tetrachloro-m-xylene | 1 | 20 | 20.3 | 101 | | 10 | 157 |
| | | Decachlorobiphenyl | 1 | 20 | 21.9 | 110 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.1 | 91 | | 10 | 157 |
| | | Decachlorobiphenyl | 2 | 20 | 21.2 | 106 | | 10 | 173 |
| PB164566BS | PB164566BS | Tetrachloro-m-xylene | 1 | 20 | 20.5 | 102 | | 10 | 157 |
| | | Decachlorobiphenyl | 1 | 20 | 22.5 | 112 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.0 | 95 | | 10 | 157 |
| | | Decachlorobiphenyl | 2 | 20 | 21.5 | 107 | | 10 | 173 |
| PB164566TB | PB164566TB | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 103 | | 10 | 157 |
| | | Decachlorobiphenyl | 1 | 20 | 22.3 | 112 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 18.3 | 91 | | 10 | 157 |
| | | Decachlorobiphenyl | 2 | 20 | 21.0 | 105 | | 10 | 173 |
| P4620-02 | P001-CF06-01 | Tetrachloro-m-xylene | 1 | 20 | 22.6 | 113 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 22.0 | 110 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.4 | 102 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 20.1 | 100 | | 32 | 175 |
| P4620-04 | P001-CF07-01 | Tetrachloro-m-xylene | 1 | 20 | 22.9 | 115 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 19.8 | 99 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.9 | 104 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 20.3 | 102 | | 32 | 175 |
| P4620-06 | P001-CF08-01 | Tetrachloro-m-xylene | 1 | 20 | 20.7 | 103 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 30.2 | 151 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.9 | 99 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 20.5 | 102 | | 32 | 175 |
| P4620-08 | P001-CF09-01 | Tetrachloro-m-xylene | 1 | 20 | 21.1 | 106 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 21.9 | 110 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.8 | 99 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 21.3 | 107 | | 32 | 175 |
| P4620-10 | P001-CF10-01 | Tetrachloro-m-xylene | 1 | 20 | 21.6 | 108 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 24.8 | 124 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 20.0 | 100 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 23.9 | 119 | | 32 | 175 |
| P4620-12 | P001-CF11-01 | Tetrachloro-m-xylene | 1 | 20 | 18.9 | 95 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 16.4 | 82 | | 32 | 175 |

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## Surrogate Summary

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A

| Lab Sample ID | Client ID | Parameter | Column | Spike | Result | Rec | Qual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|---|---|
| P4620-12 | P001-CF11-01 | Tetrachloro-m-xylene | 2 | 20 | 17.8 | 89 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 16.3 | 81 | | 32 | 175 |
| P4620-14 | P001-CF12-01 | Tetrachloro-m-xylene | 1 | 20 | 20.5 | 102 | | 32 | 144 |
| | | Decachlorobiphenyl | 1 | 20 | 20.4 | 102 | | 32 | 175 |
| | | Tetrachloro-m-xylene | 2 | 20 | 19.7 | 98 | | 32 | 144 |
| | | Decachlorobiphenyl | 2 | 20 | 20.3 | 101 | | 32 | 175 |
| I.BLK-PP068337.D | PIBLK-PP068337.D | Tetrachloro-m-xylene | 1 | 20 | 18.6 | 93 | | 10 | 157 |
| | | Decachlorobiphenyl | 1 | 20 | 19.7 | 98 | | 10 | 173 |
| | | Tetrachloro-m-xylene | 2 | 20 | 16.5 | 82 | | 10 | 157 |
| | | Decachlorobiphenyl | 2 | 20 | 18.5 | 92 | | 10 | 173 |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A **DataFile :** PO107573.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:** | **P001-CF16-01MS** | | | | | | | | | | | |
| P4620-26MS | AR1016 | 5.23 | 0 | 5.70 | ug/kg | 109 | | | | 55 | 146 | |
| | AR1260 | 5.23 | 0 | 5.90 | ug/kg | 113 | | | | 45 | 144 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A **DataFile :** PO107574.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:** | **P001-CF16-01MSD** | | | | | | | | | | | |
| P4620-27MSD | AR1016 | 5.23 | 0 | 5.80 | ug/kg | 111 | | 2 | | 55 | 146 | 20 |
| | AR1260 | 5.23 | 0 | 5.90 | ug/kg | 113 | | 0 | | 45 | 144 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4620

**Client:** Weston Solutions, Inc.

**Analytical Method:** 8082A **Datafile :** PP068324.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB164566BS | AR1016 | 5 | 4.30 | ug/L | 86 | | | | 61 | 112 | |
| | AR1260 | 5 | 4.10 | ug/L | 82 | | | | 66 | 113 | |

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164566BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: PB164566BL Lab File ID: PP068323.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/31/2024

Date Analyzed (1): 10/31/2024 Date Analyzed (2): 10/31/2024

Time Analyzed (1): 15:39 Time Analyzed (2): 15:39

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

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED 1 | DATE ANALYZED 2 |
|---|---|---|---|---|
| P001-CF13-01 | P4620-16 | PO107569.D | 10/31/2024 | 10/31/2024 |
| P001-CF14-01 | P4620-18 | PO107570.D | 10/31/2024 | 10/31/2024 |
| P001-CF15-01 | P4620-20 | PO107571.D | 10/31/2024 | 10/31/2024 |
| P001-CF16-01 | P4620-25 | PO107572.D | 10/31/2024 | 10/31/2024 |
| P001-CF16-01MS | P4620-26MS | PO107573.D | 10/31/2024 | 10/31/2024 |
| P001-CF16-01MSD | P4620-27MSD | PO107574.D | 10/31/2024 | 10/31/2024 |
| P001-CF16-02 | P4620-30 | PO107575.D | 10/31/2024 | 10/31/2024 |
| PB164566BS | PB164566BS | PP068324.D | 10/31/2024 | 10/31/2024 |
| PB164566TB | PB164566TB | PP068325.D | 10/31/2024 | 10/31/2024 |
| P001-CF06-01 | P4620-02 | PP068326.D | 10/31/2024 | 10/31/2024 |
| P001-CF07-01 | P4620-04 | PP068327.D | 10/31/2024 | 10/31/2024 |
| P001-CF08-01 | P4620-06 | PP068328.D | 10/31/2024 | 10/31/2024 |
| P001-CF09-01 | P4620-08 | PP068329.D | 10/31/2024 | 10/31/2024 |
| P001-CF10-01 | P4620-10 | PP068330.D | 10/31/2024 | 10/31/2024 |
| P001-CF11-01 | P4620-12 | PP068331.D | 10/31/2024 | 10/31/2024 |
| P001-CF12-01 | P4620-14 | PP068332.D | 10/31/2024 | 10/31/2024 |

COMMENTS:

Alliance
TECHNICAL GROUP

# SAMPLE DATA

Raw Data: **PP068326.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF06-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-02 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.8 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068326.D | 1 | 10/31/24 10:30 | 10/31/24 16:28 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.54 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.54 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.54 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.54 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.54 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.6 | | 32 - 144 | 113% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.0 | | 32 - 175 | 110% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP068326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:28
Operator : YP\AJ
Sample : P4620-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF06-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.761 | 4.052 | 20906216 | 20560536 | 22.586 | 20.349 |
| 2) | SA Decachlor... | 10.674 | 9.209 | 25316673 | 22533582 | 21.990 | 20.093 |
| | Target Compounds | | | | | | |

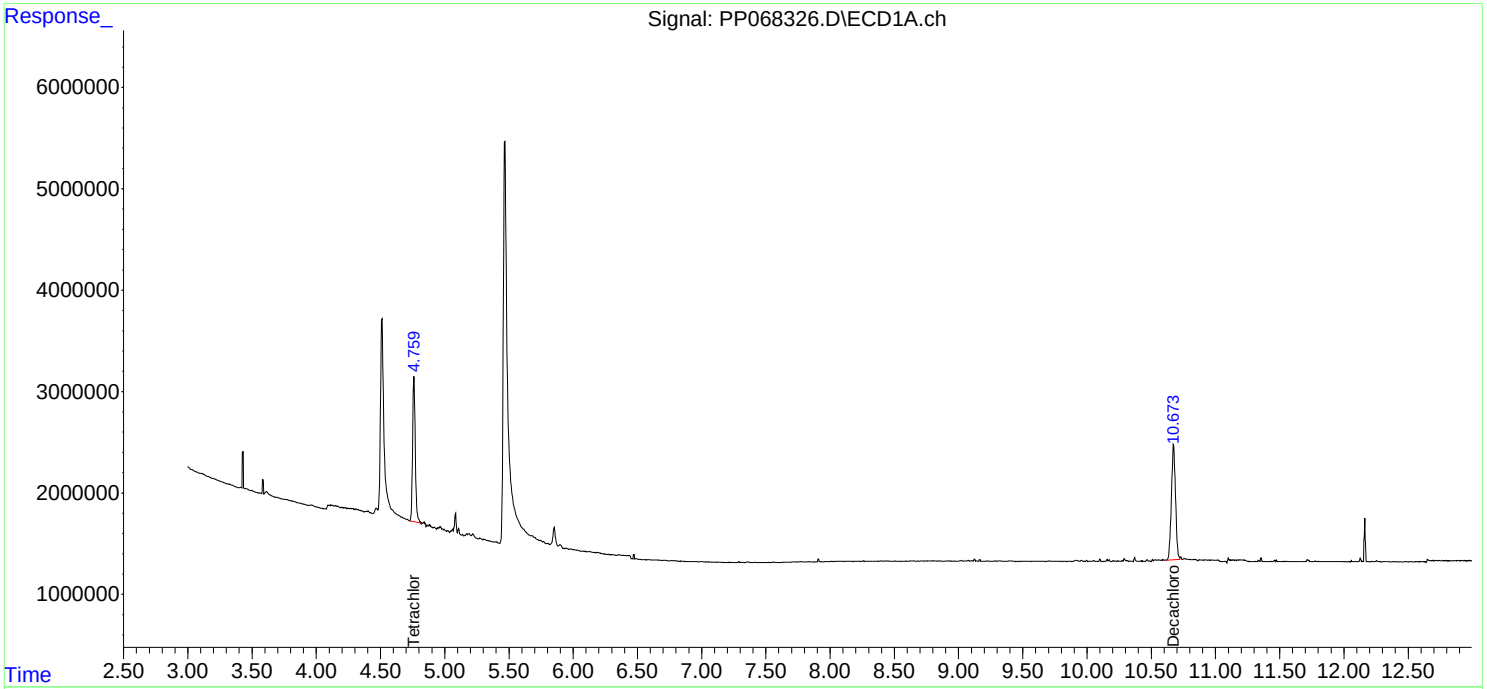
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

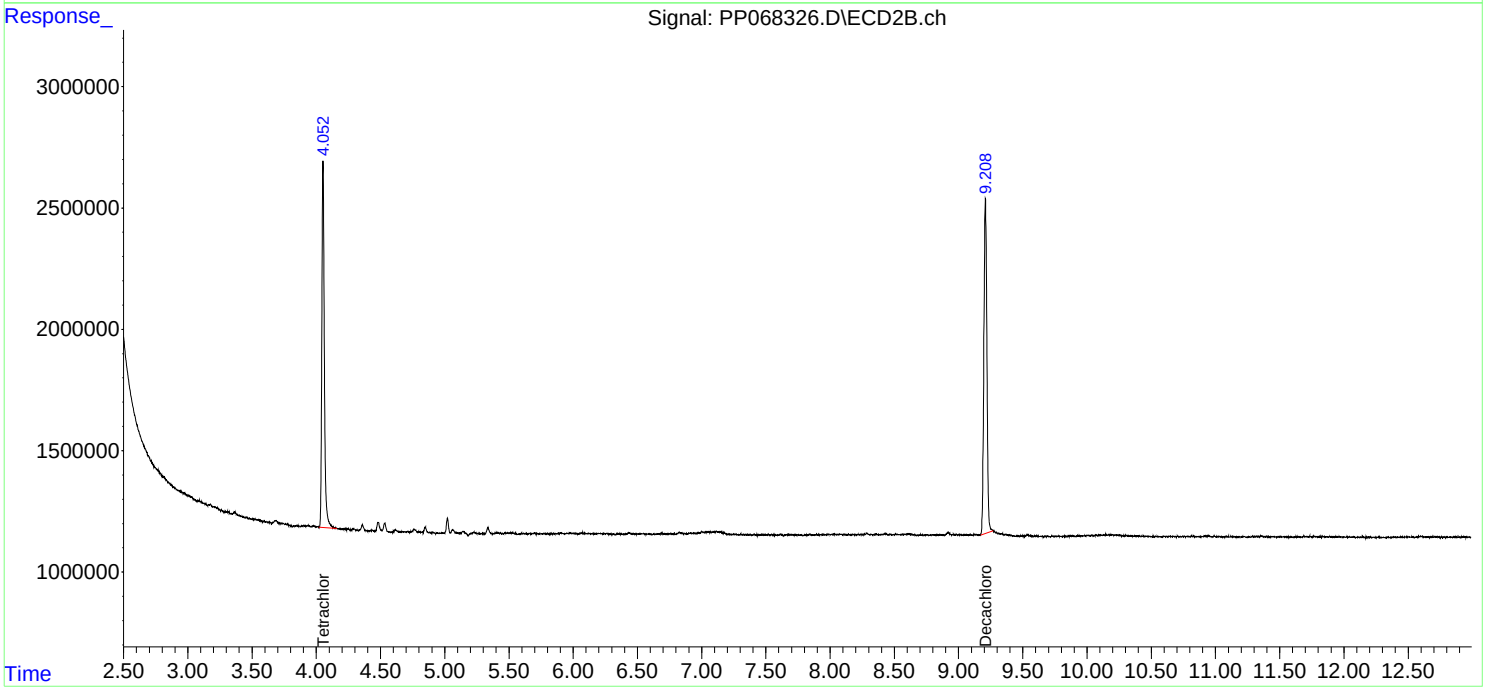
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:28
Operator : YP\AJ
Sample : P4620-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

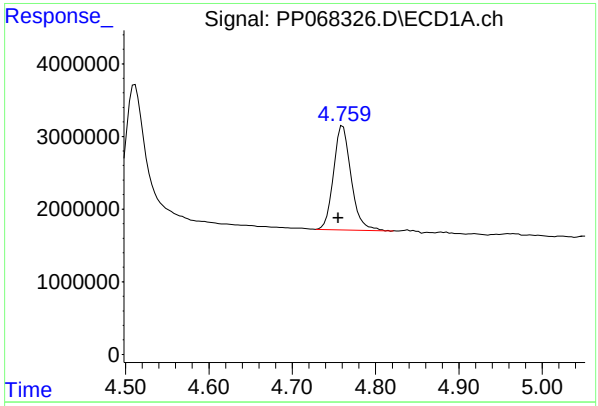
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF06-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



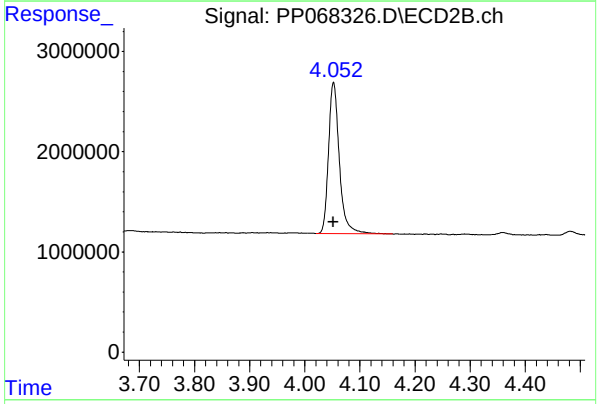






#1 Tetrachloro-m-xylene

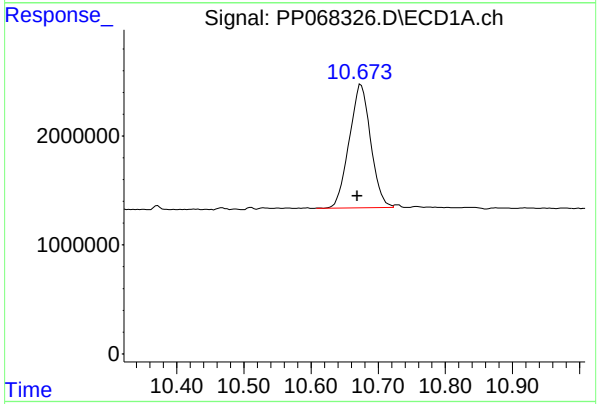
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 20906216
Conc: 22.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF06-01



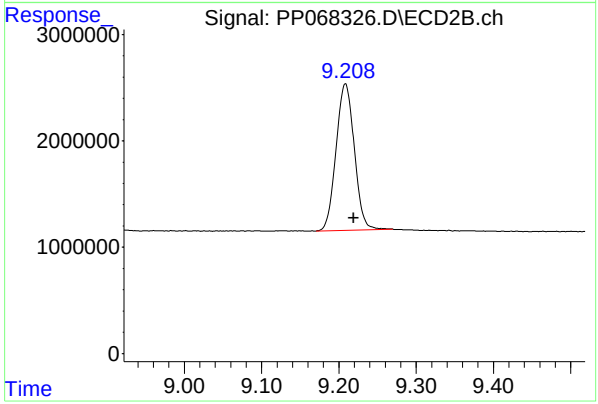

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20560536
Conc: 20.35 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.674 min
Delta R.T.: 0.005 min
Response: 25316673
Conc: 21.99 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 22533582
Conc: 20.09 ng/ml

Raw Data: **PP068327.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF07-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-04 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.4 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068327.D | 1 | 10/31/24 10:30 | 10/31/24 16:44 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.9 | | 32 - 144 | 115% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.3 | | 32 - 175 | 102% | 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: **PP068327.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:44
Operator : YP\AJ
Sample : P4620-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF07-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.759 | 4.053 | 21192619 | 21110964 | 22.895 | 20.894 |
| 2) | SA Decachlor... | 10.673 | 9.210 | 22806019 | 22781783 | 19.809 | 20.314 |
| | Target Compounds | | | | | | |

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

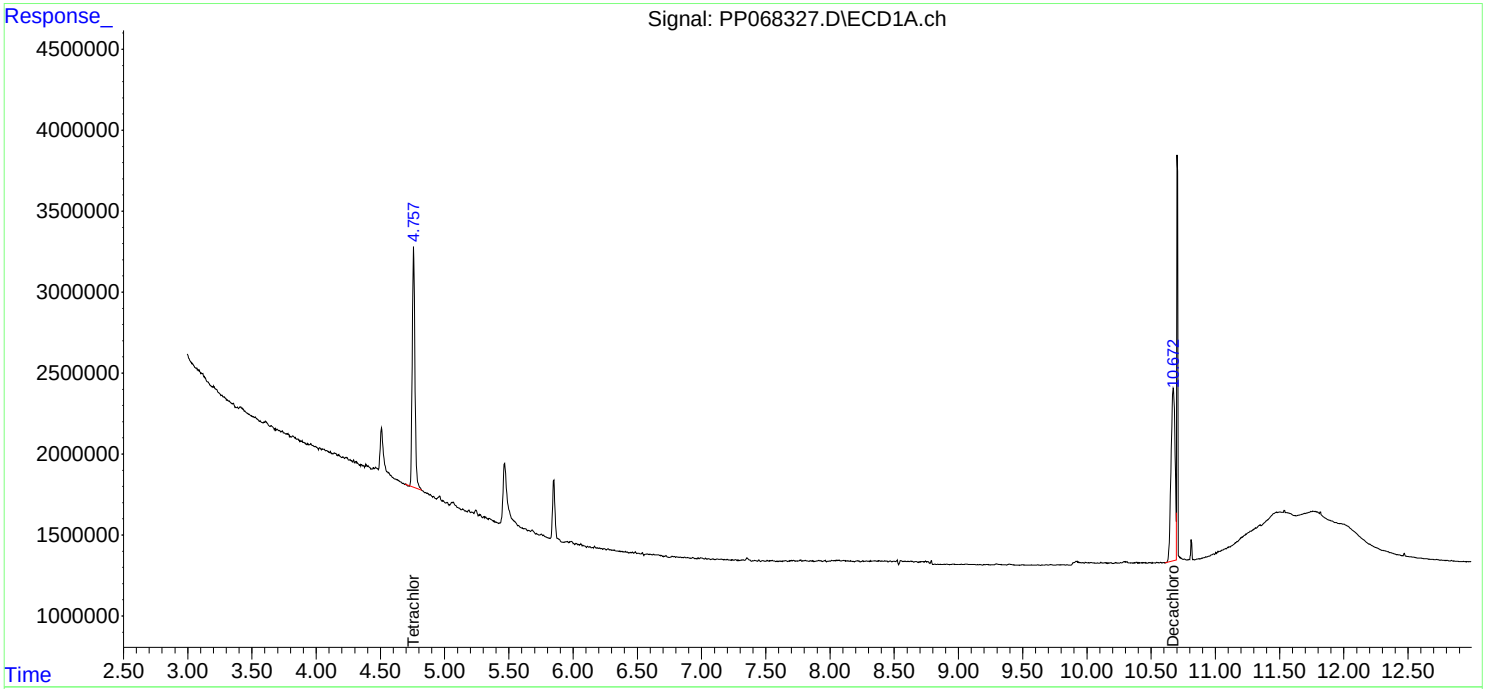
Sample Results: **PP068327.D**

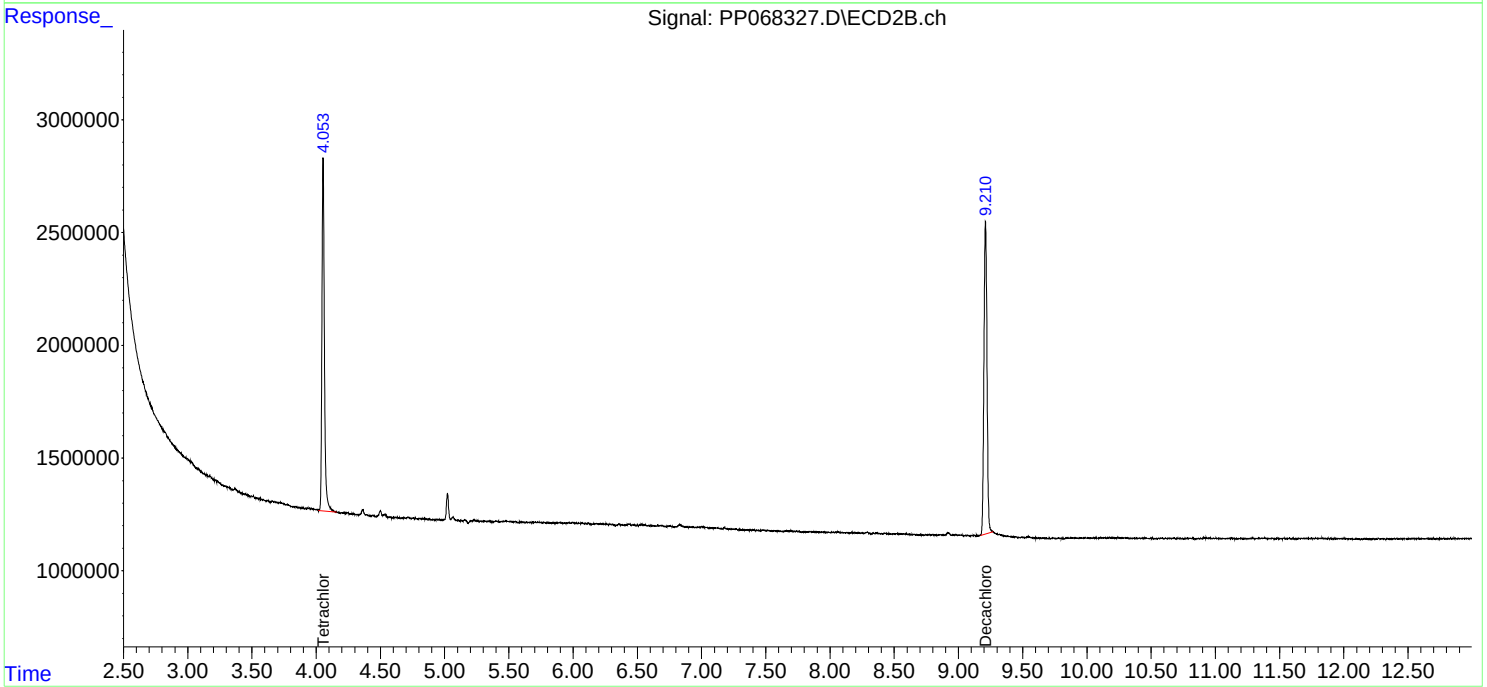
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:44
Operator : YP\AJ
Sample : P4620-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

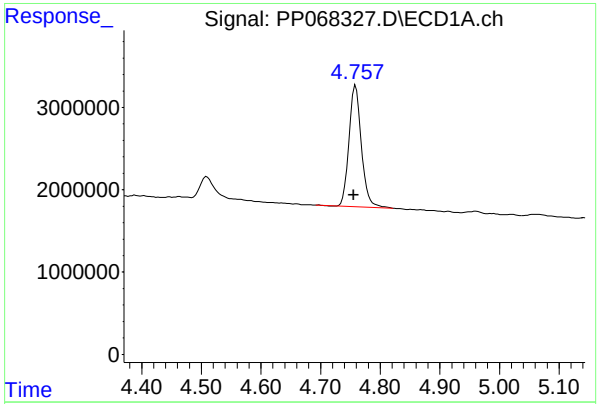
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF07-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:43:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



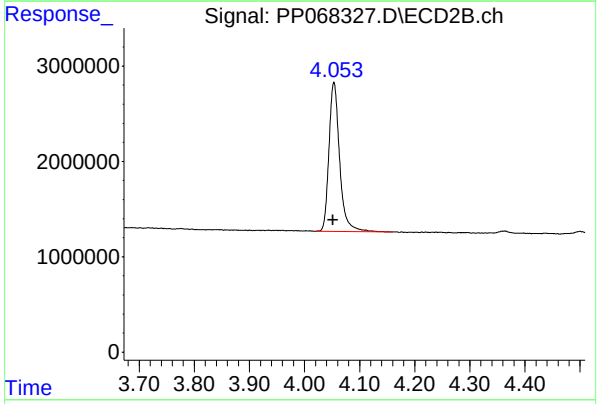






#1 Tetrachloro-m-xylene

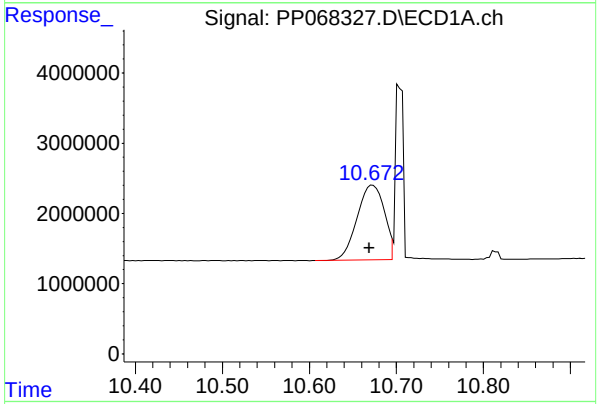
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 21192619
Conc: 22.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF07-01



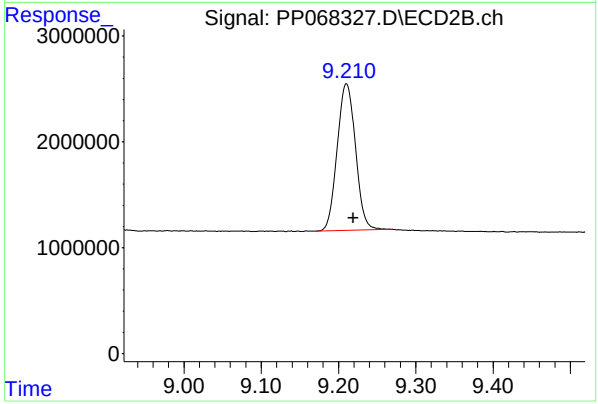

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 21110964
Conc: 20.89 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 22806019
Conc: 19.81 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 22781783
Conc: 20.31 ng/ml

Raw Data: **PP068328.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF08-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-06 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.4 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068328.D | 1 | 10/31/24 10:30 | 10/31/24 17:01 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 32 - 144 | 103% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 30.2 | | 32 - 175 | 151% | 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: **PP068328.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:01
Operator : YP\AJ
Sample : P4620-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF08-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:44:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.759 | 4.052 | 19141496 | 20086208 | 20.679 | 19.879 |
| 2) | SA Decachlor... | 10.684 | 9.208 | 34759133 | 22969056 | 30.191 | 20.481 # |
| | Target Compounds | | | | | | |

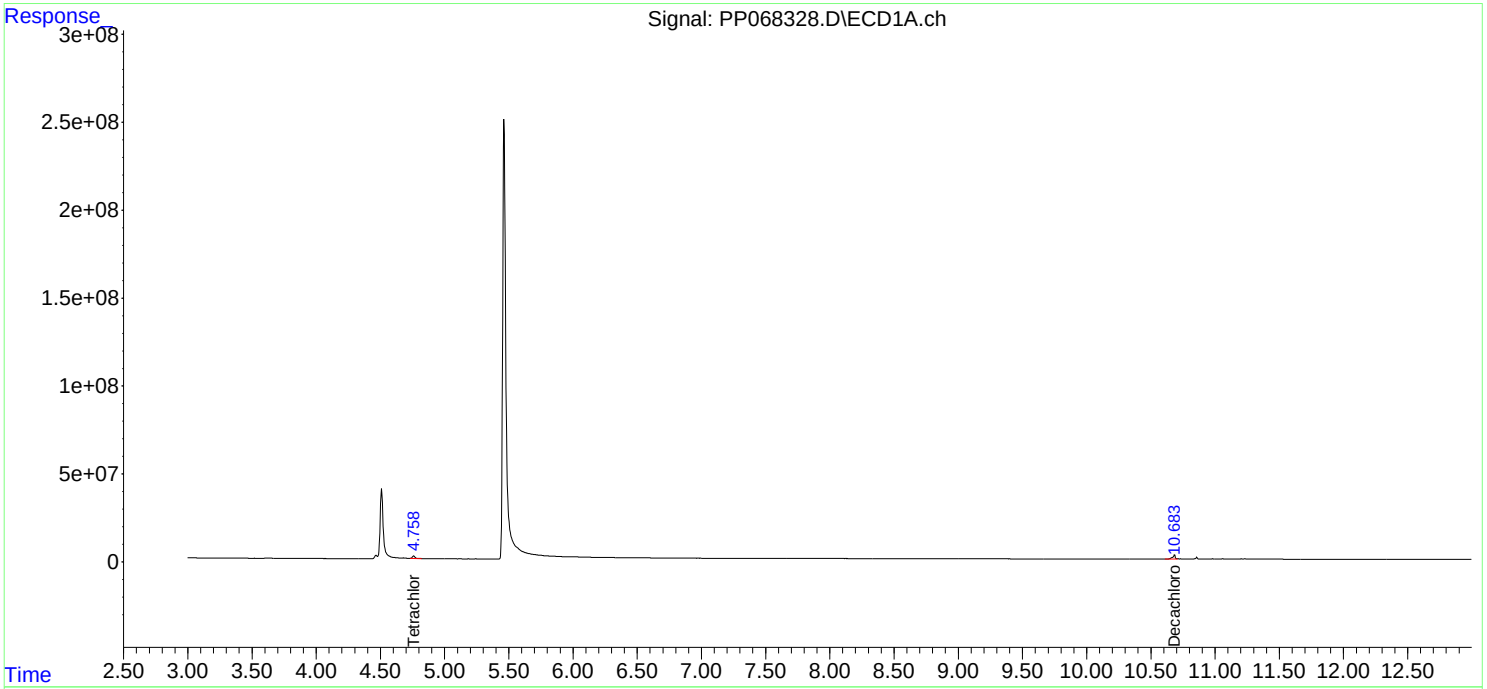
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

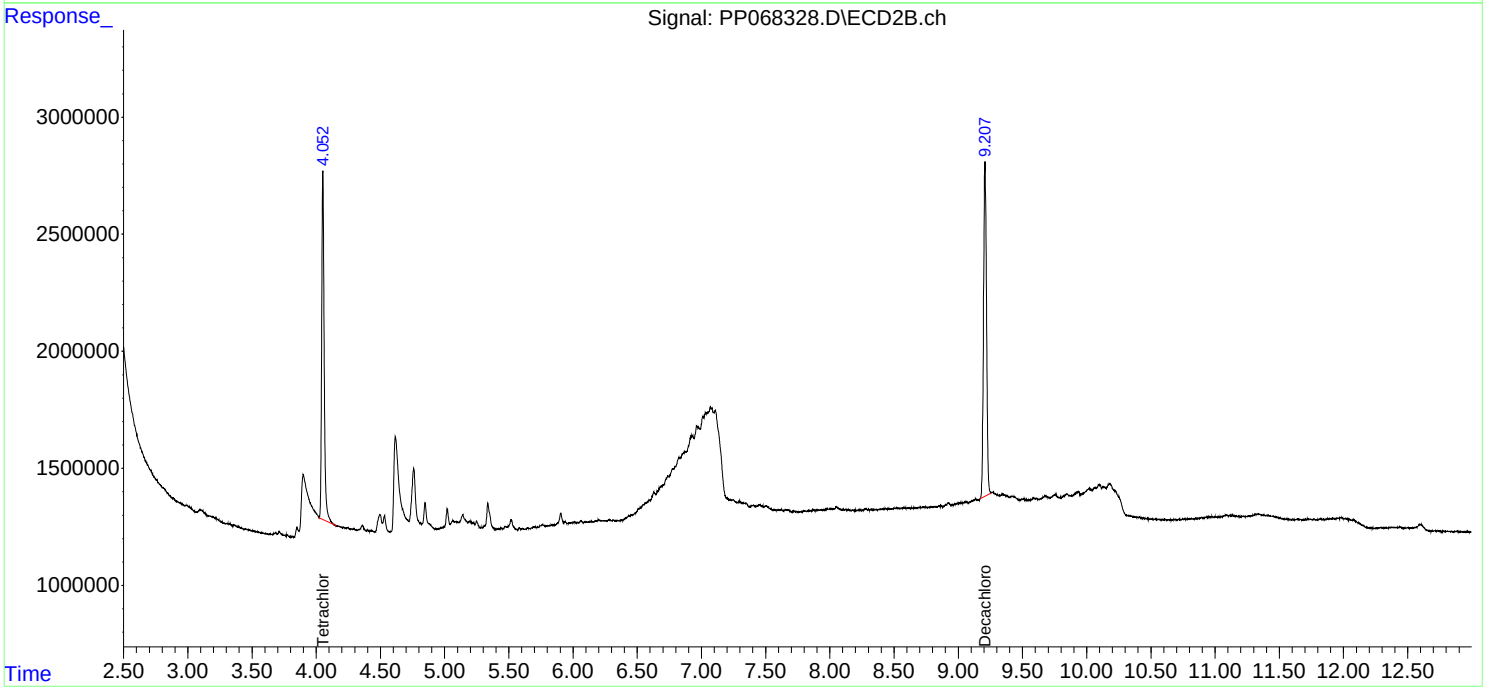
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:01
Operator : YP\AJ
Sample : P4620-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

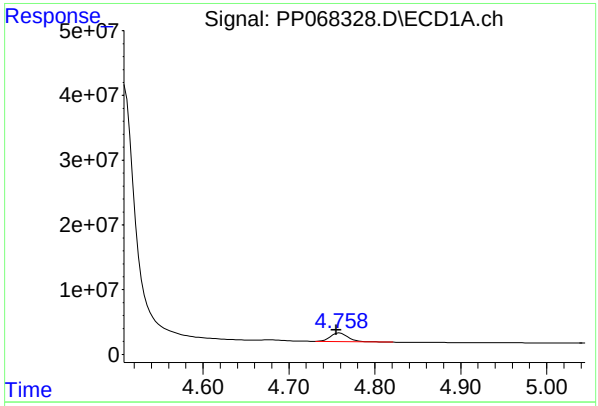
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF08-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:44:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



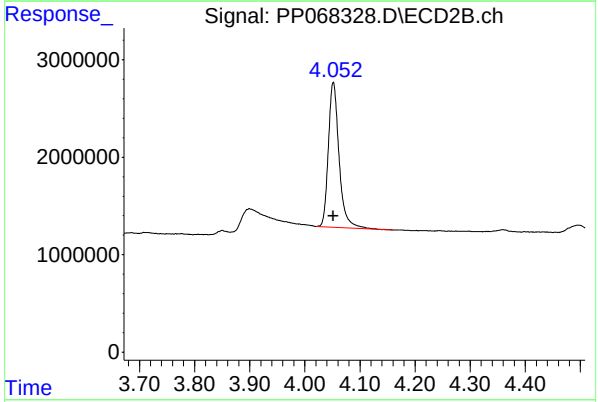






#1 Tetrachloro-m-xylene

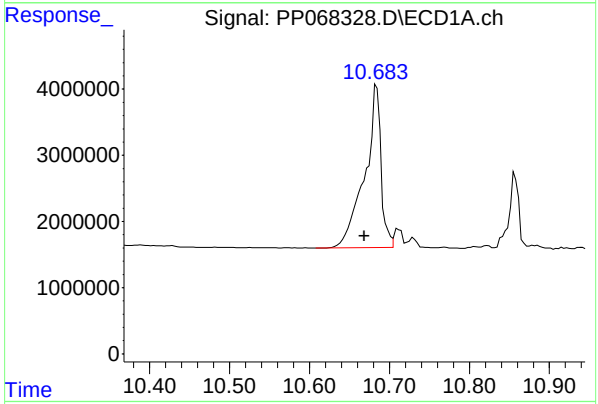
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 19141496
Conc: 20.68 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF08-01



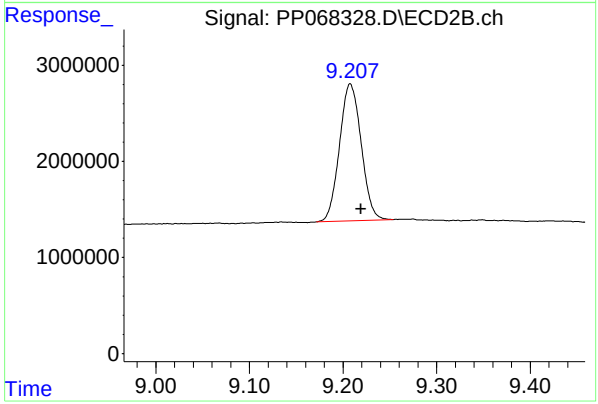

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 20086208
Conc: 19.88 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.684 min
Delta R.T.: 0.015 min
Response: 34759133
Conc: 30.19 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.208 min
Delta R.T.: -0.011 min
Response: 22969056
Conc: 20.48 ng/ml

Raw Data: **PP068329.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF09-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-08 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.1 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068329.D | 1 | 10/31/24 10:30 | 10/31/24 17:17 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.54 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.54 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.54 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.54 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.54 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.1 | | 32 - 144 | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.9 | | 32 - 175 | 110% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP068329.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:17
Operator : YP\AJ
Sample : P4620-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF09-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.761 | 4.053 | 19543379 | 20031840 | 21.113 | 19.826 |
| 2) | SA Decachlor... | 10.673 | 9.209 | 25222923 | 23926550 | 21.908 | 21.335 |
| | Target Compounds | | | | | | |

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

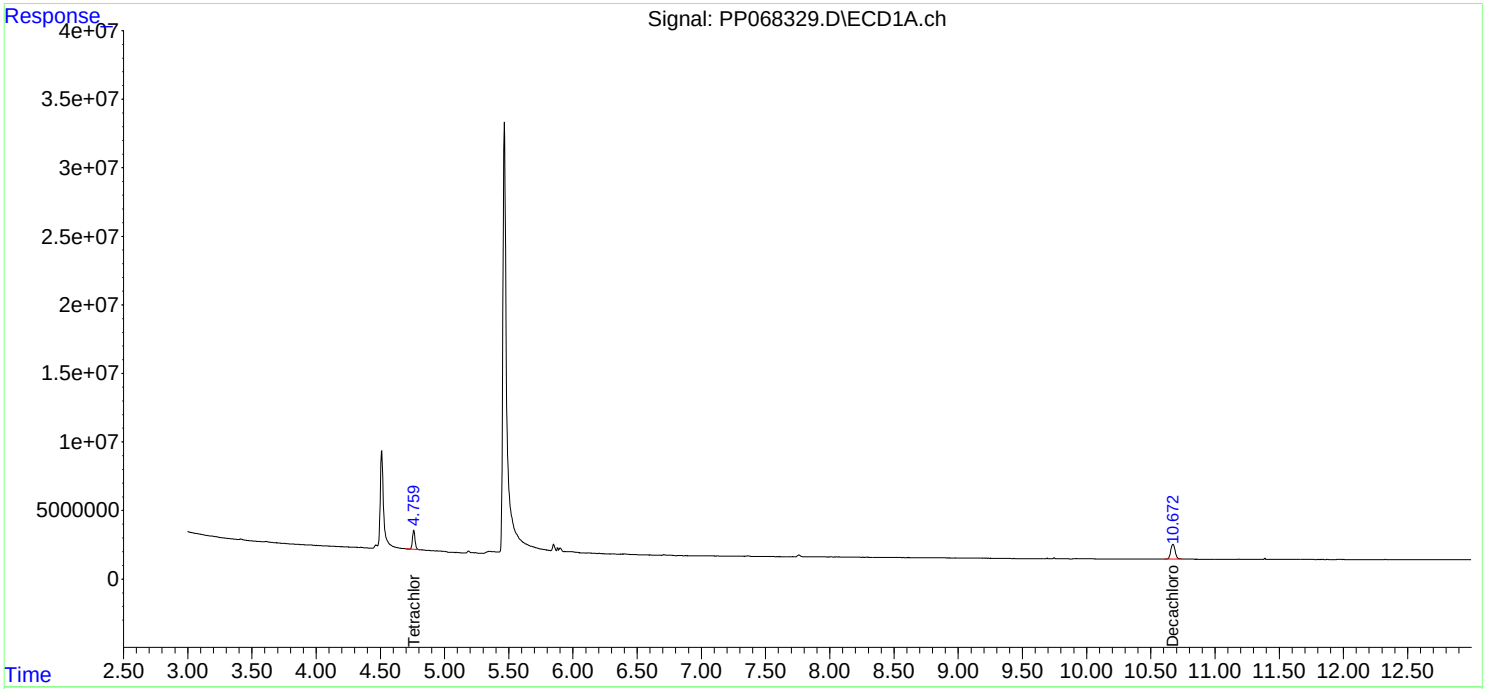
Sample Results: **PP068329.D**

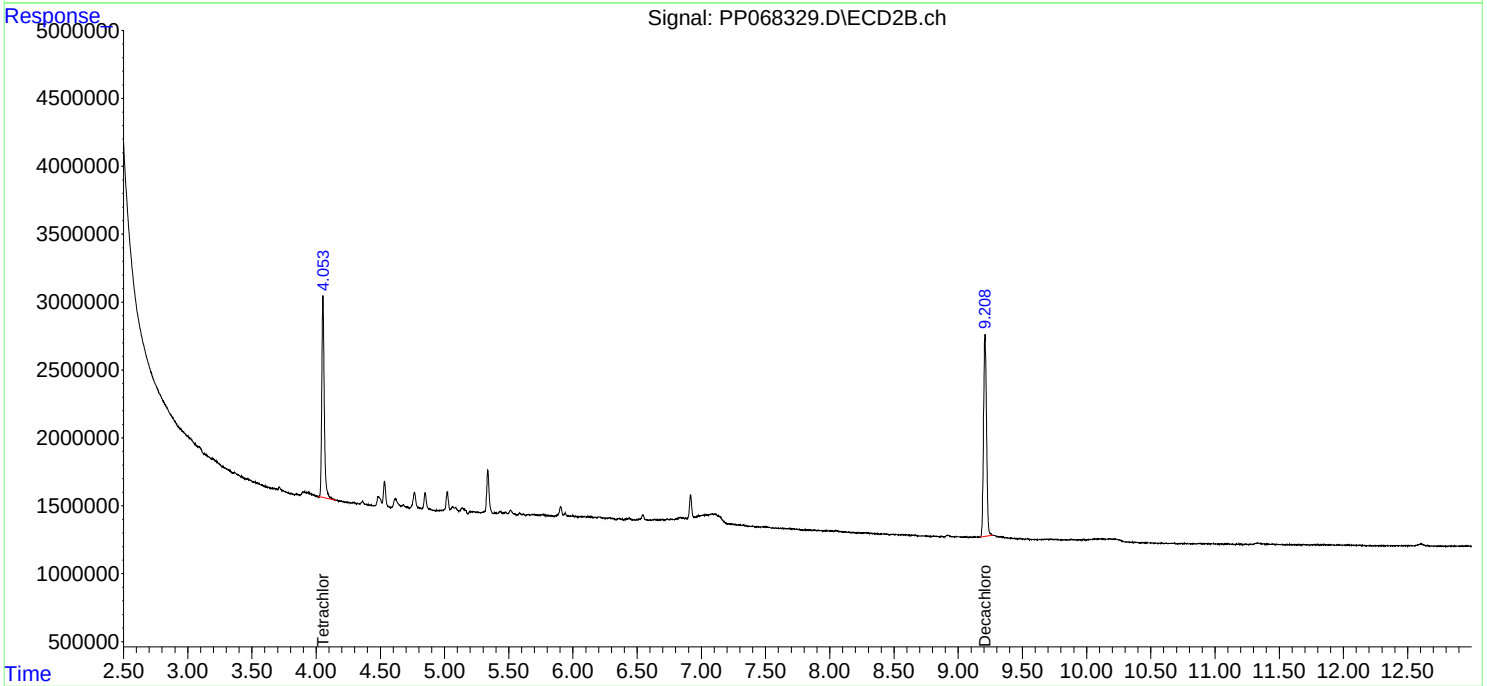
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:17
Operator : YP\AJ
Sample : P4620-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

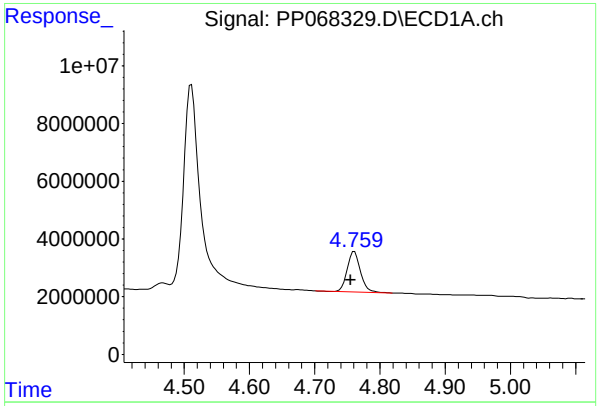
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF09-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



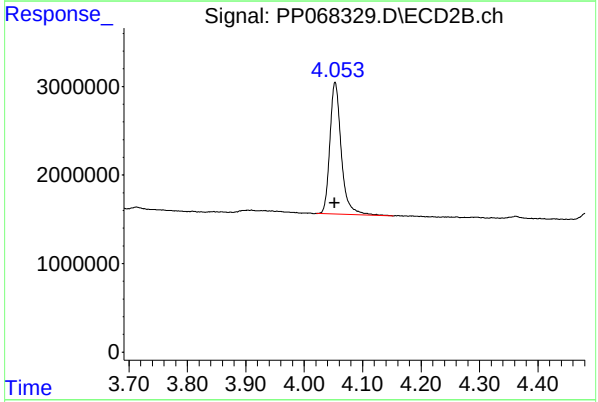






#1 Tetrachloro-m-xylene

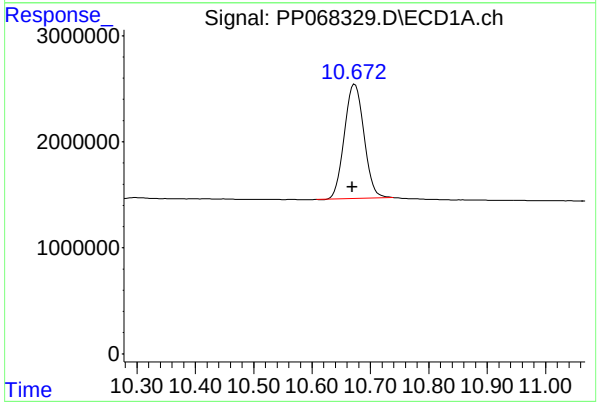
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 19543379
Conc: 21.11 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF09-01



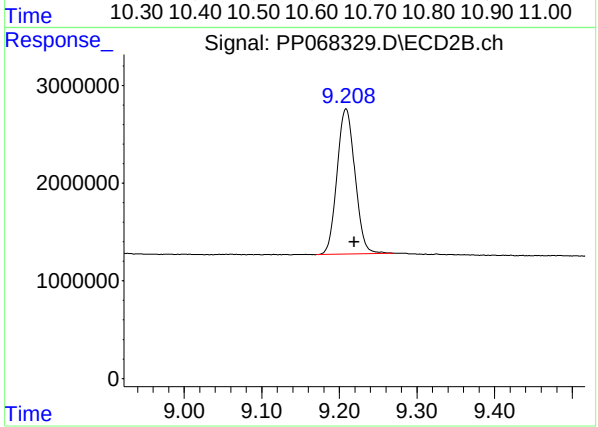

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 20031840
Conc: 19.83 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 25222923
Conc: 21.91 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 23926550
Conc: 21.34 ng/ml

Raw Data: **PP068330.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF10-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-10 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.5 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068330.D | 1 | 10/31/24 10:30 | 10/31/24 17:33 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.091 | U | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 32 - 144 | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 24.8 | | 32 - 175 | 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

Sample Results: **PP068330.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:33
Operator : YP\AJ
Sample : P4620-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF10-01

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.759 | 4.053 | 20034939 | 20181904 | 21.644m | 19.974 |
| 2) | SA Decachlor... | 10.673 | 9.208 | 28559517 | 26795721 | 24.806 | 23.894 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:33
Operator : YP\AJ
Sample : P4620-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

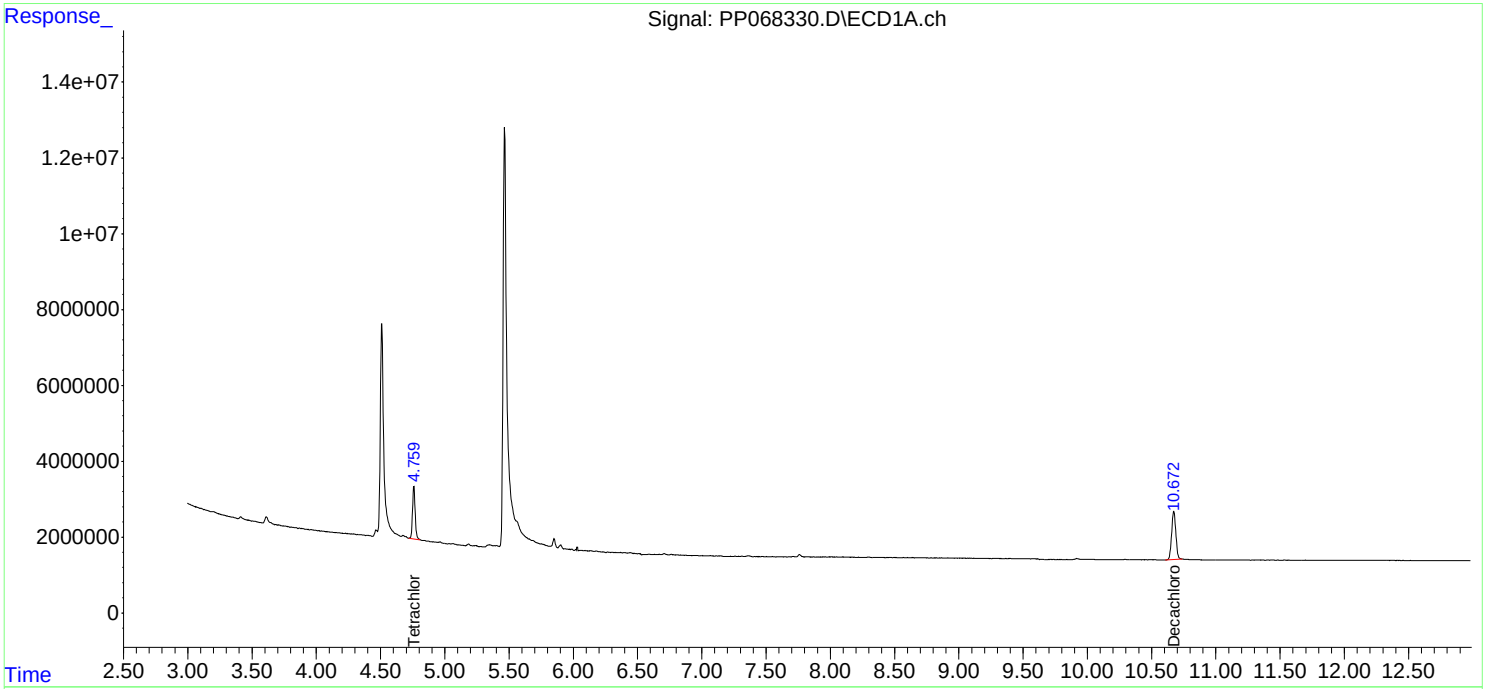
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF10-01

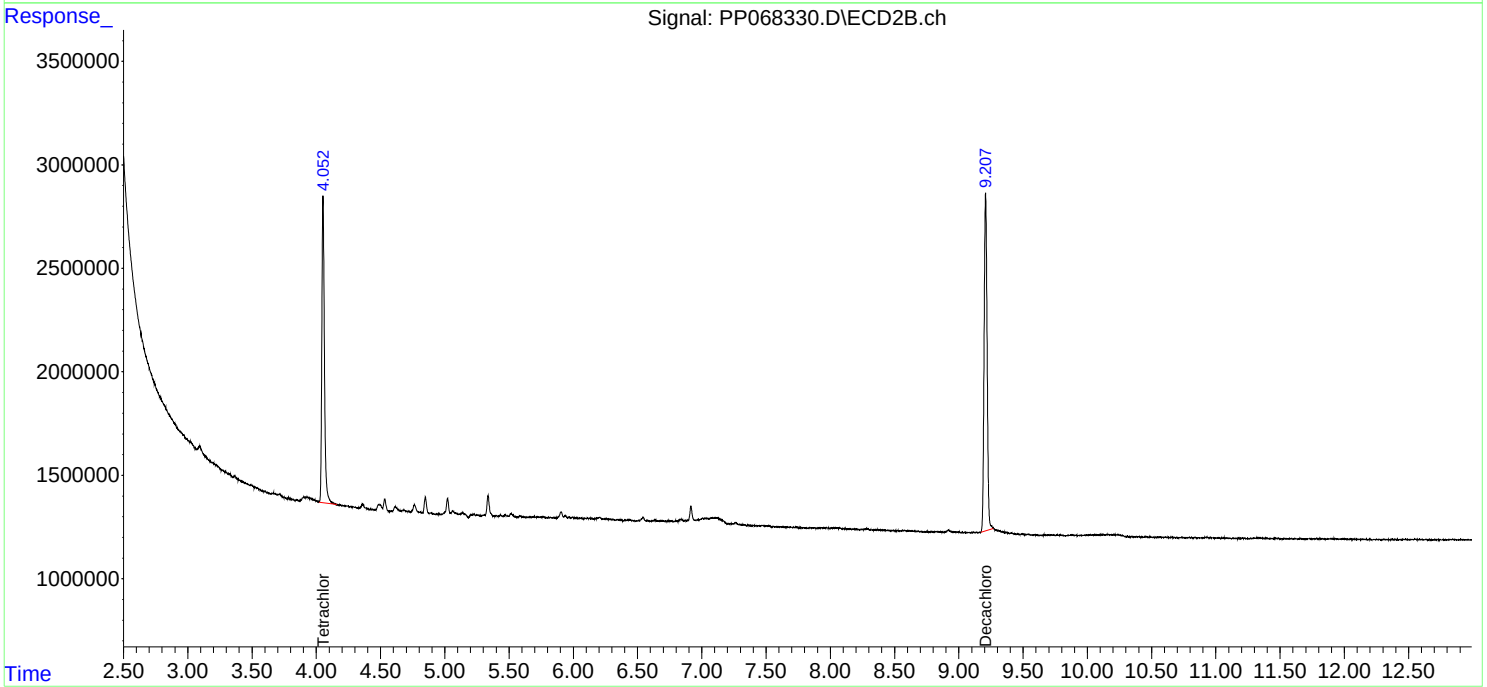
**Manual Integrations APPROVED**

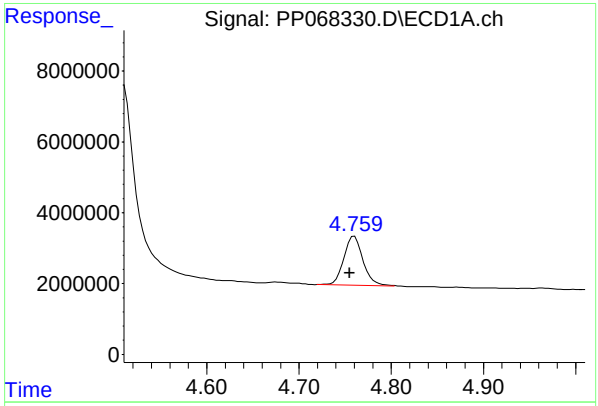
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:45:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





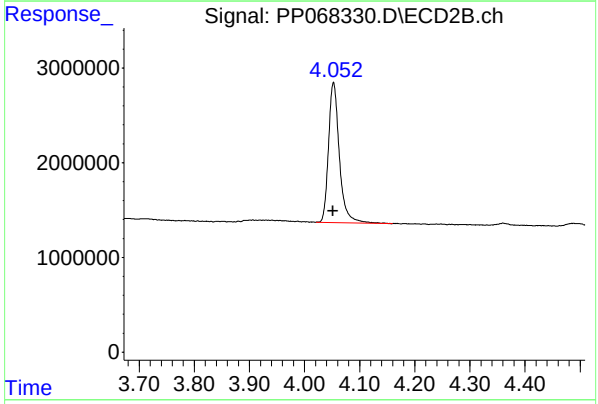

#1 Tetrachloro-m-xylene

R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 20034939
Conc: 21.64 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF10-01

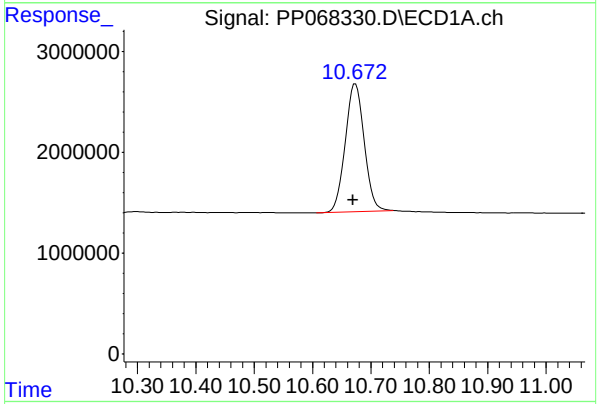
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



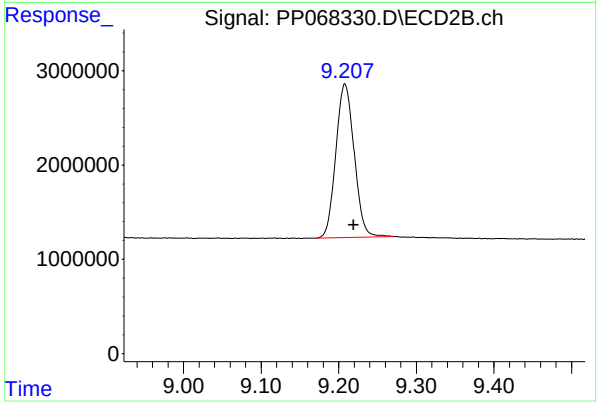

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 20181904
Conc: 19.97 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.005 min
Response: 28559517
Conc: 24.81 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.208 min
Delta R.T.: -0.011 min
Response: 26795721
Conc: 23.89 ng/ml

Raw Data: **PP068331.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF11-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-12 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.9 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068331.D | 1 | 10/31/24 10:30 | 10/31/24 17:50 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.085 | U | 0.085 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.091 | U | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.9 | | 32 - 144 | 95% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.4 | | 32 - 175 | 82% | 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: **PP068331.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:50
Operator : YP\AJ
Sample : P4620-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF11-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:46:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.757 | 4.052 | 17505365 | 18004954 | 18.912 | 17.820 |
| 2) | SA Decachlor... | 10.670 | 9.210 | 18818909 | 18285315 | 16.346 | 16.305 |
| | Target Compounds | | | | | | |

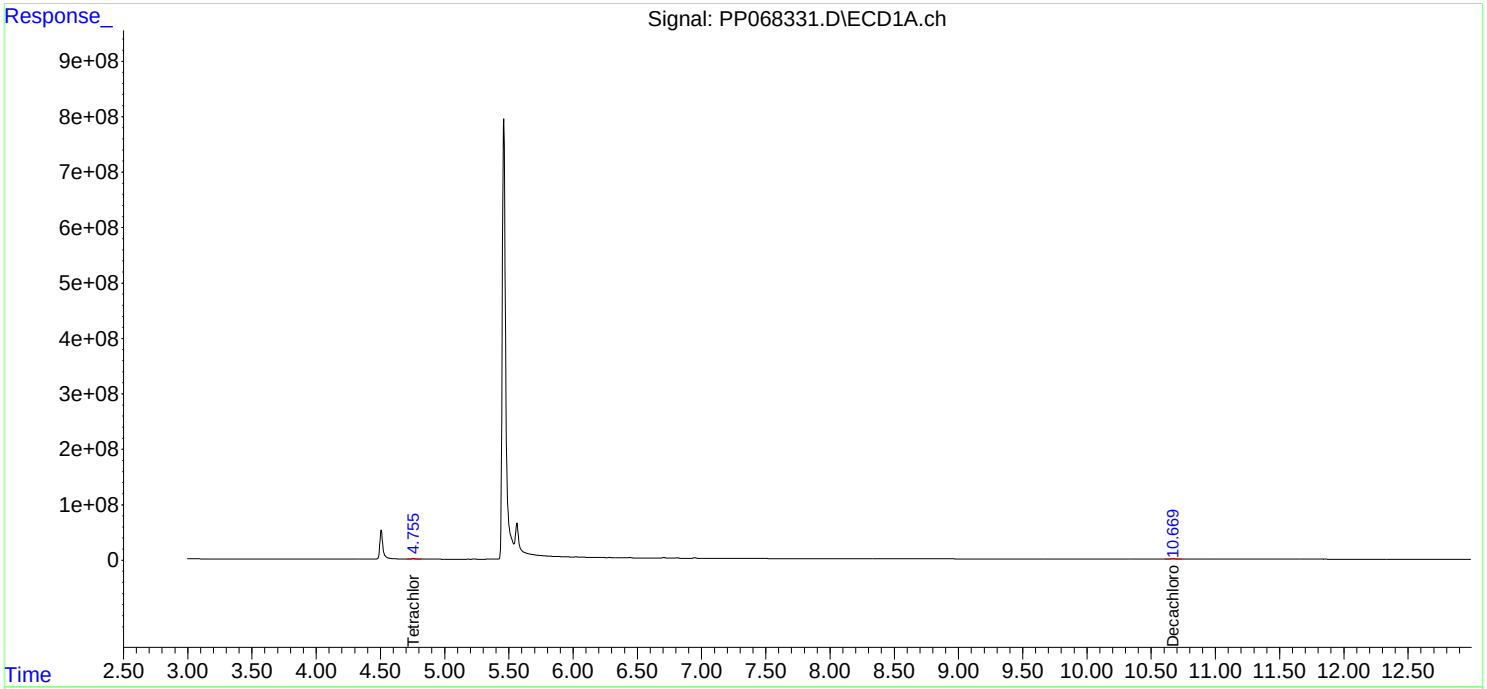
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

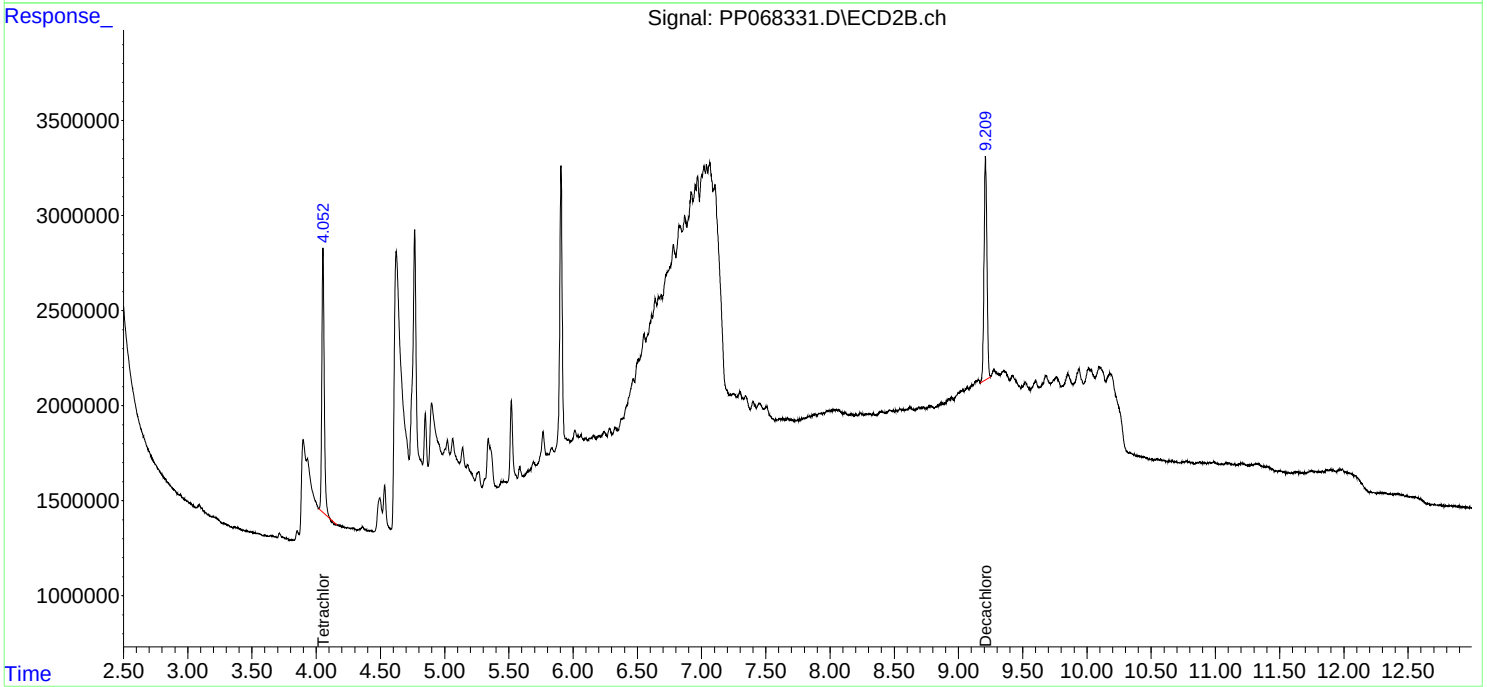
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:50
Operator : YP\AJ
Sample : P4620-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

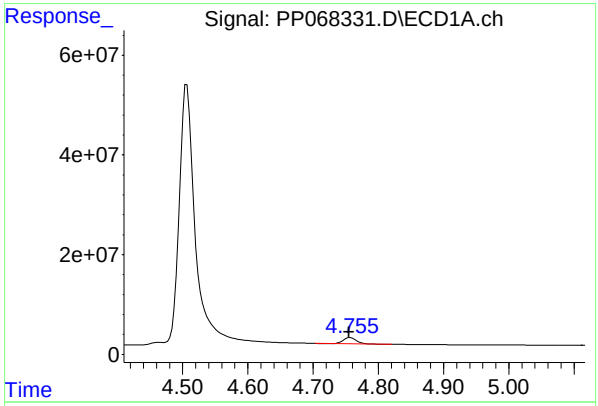
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF11-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:46:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



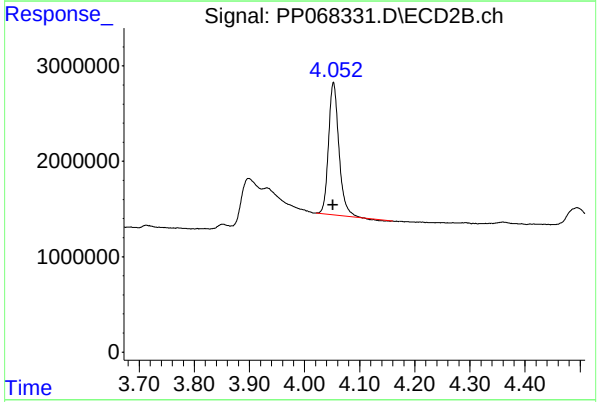






#1 Tetrachloro-m-xylene

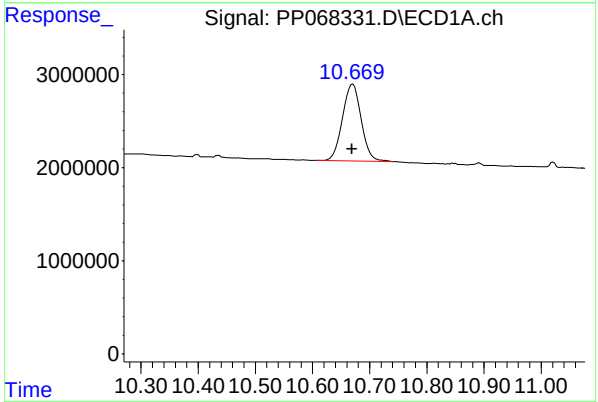
R.T.: 4.757 min
Delta R.T.: 0.002 min
Response: 17505365
Conc: 18.91 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF11-01



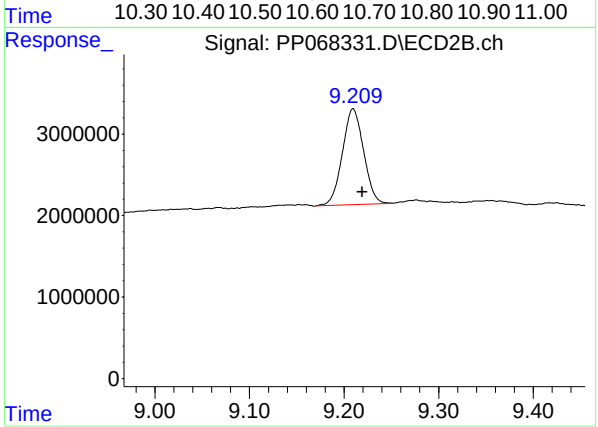

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 18004954
Conc: 17.82 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.002 min
Response: 18818909
Conc: 16.35 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.010 min
Response: 18285315
Conc: 16.30 ng/ml

Raw Data: **PP068332.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF12-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-14 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 94.8 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP068332.D | 1 | 10/31/24 10:30 | 10/31/24 18:06 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.54 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.54 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.54 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.54 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.54 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.5 | | 32 - 144 | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 20.4 | | 32 - 175 | 102% | 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: **PP068332.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:06
Operator : YP\AJ
Sample : P4620-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF12-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:47:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.759 | 4.052 | 18956616 | 19884544 | 20.479 | 19.680 |
| 2) | SA Decachlor... | 10.672 | 9.209 | 23535696 | 22721658 | 20.443 | 20.261 |
| | Target Compounds | | | | | | |

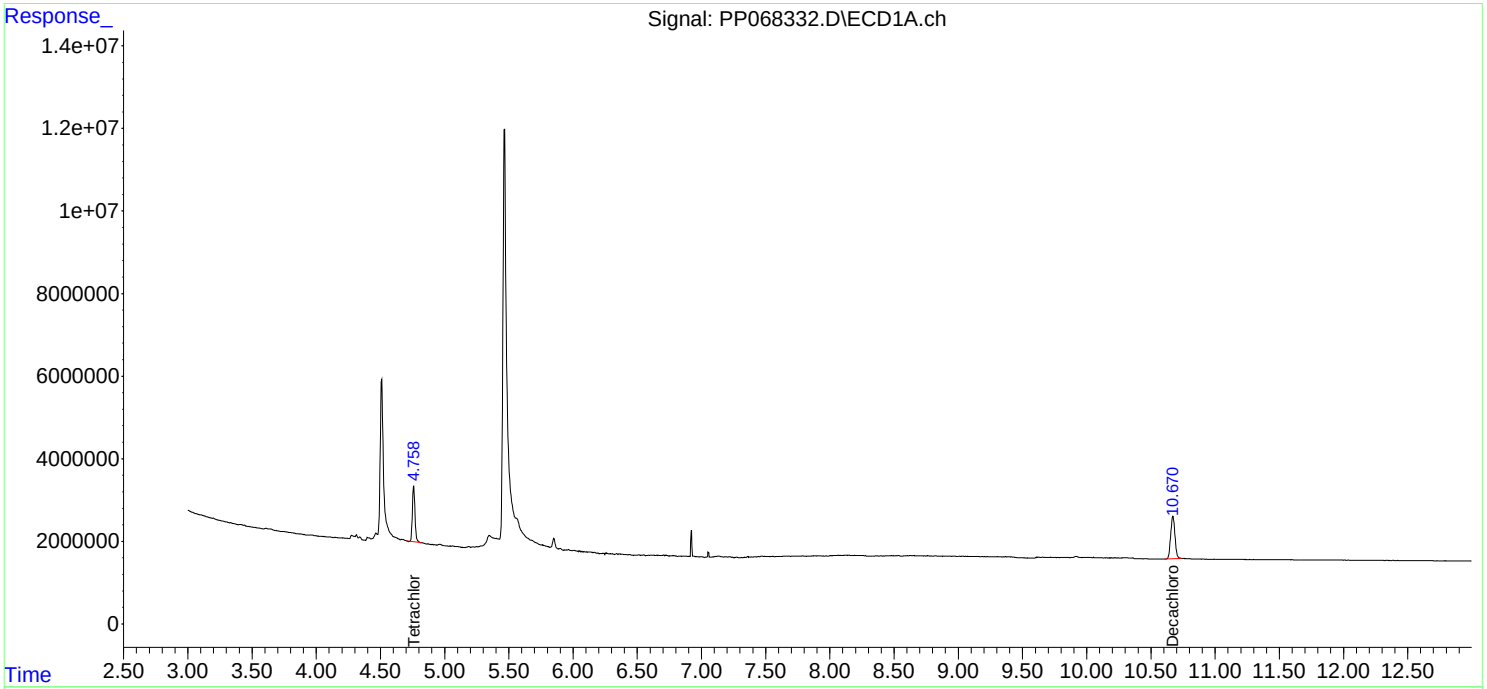
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

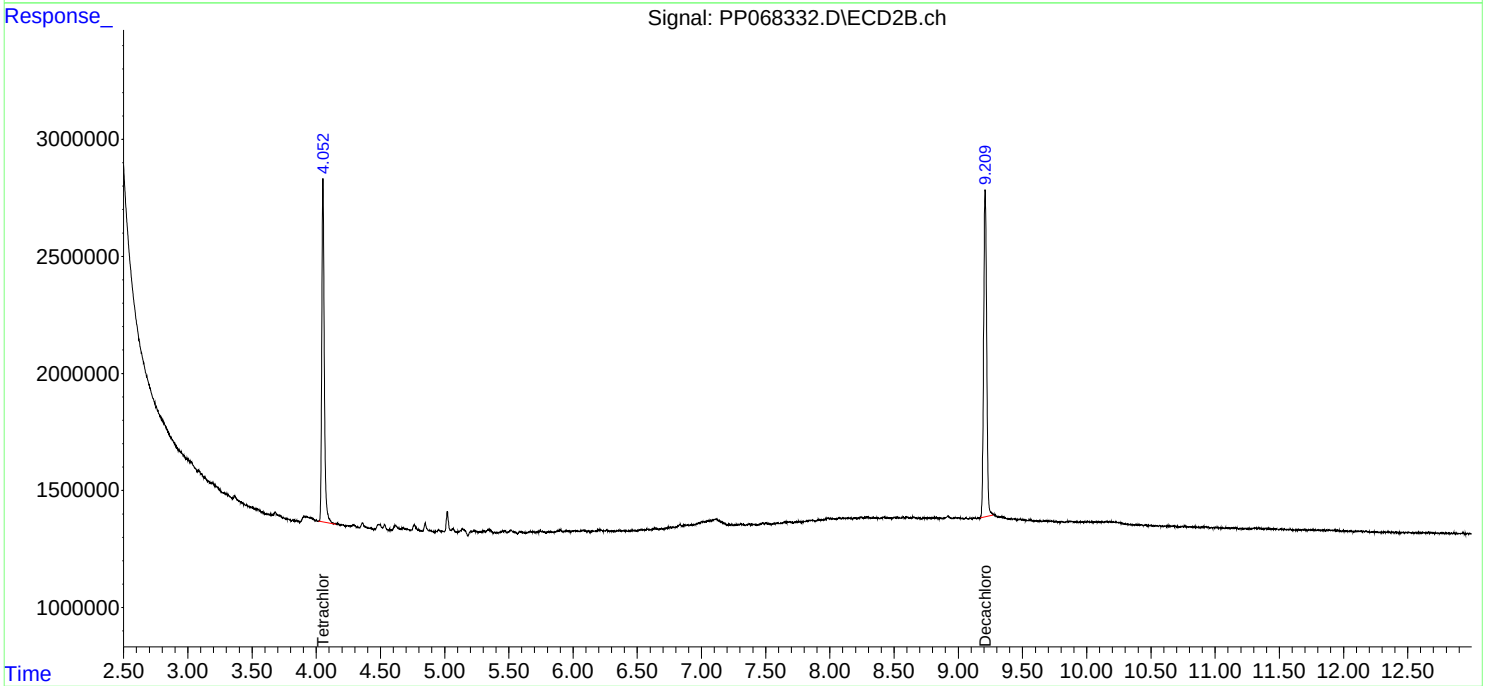
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:06
Operator : YP\AJ
Sample : P4620-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

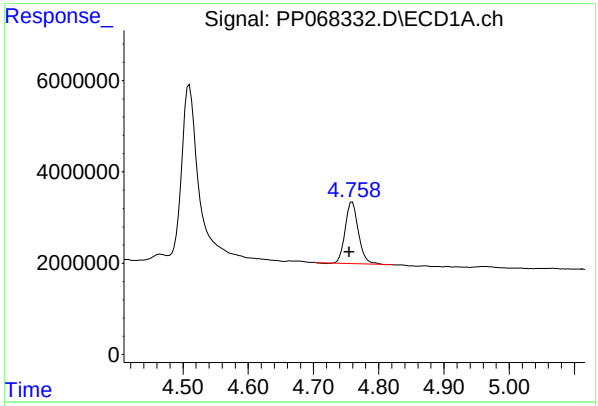
**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF12-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:47:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



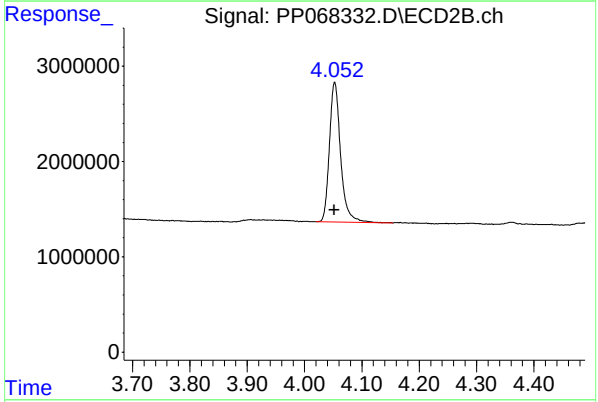






#1 Tetrachloro-m-xylene

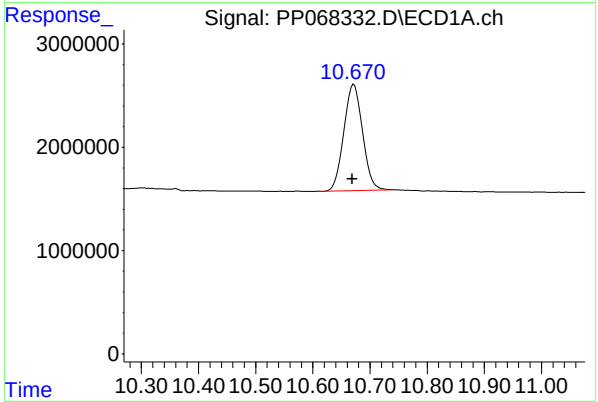
R.T.: 4.759 min
Delta R.T.: 0.004 min
Response: 18956616
Conc: 20.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
P001-CF12-01



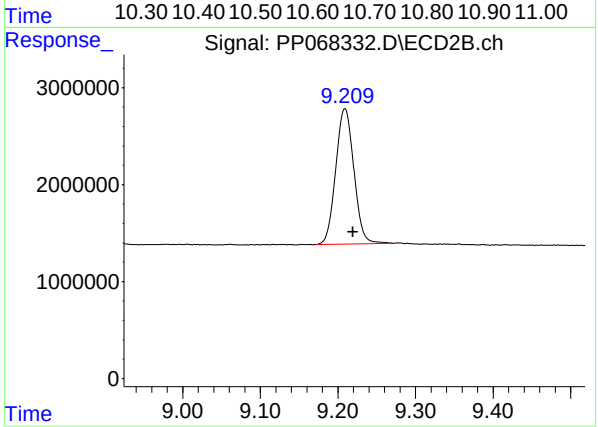

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 19884544
Conc: 19.68 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.672 min
Delta R.T.: 0.003 min
Response: 23535696
Conc: 20.44 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 22721658
Conc: 20.26 ng/ml

Raw Data: **PO107569.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF13-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-16 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.3 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107569.D | 1 | 10/31/24 10:30 | 10/31/24 18:31 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.54 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.54 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.54 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.54 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.54 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.092 | U | 0.092 | 0.54 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.6 | | 32 - 144 | 108% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.2 | | 32 - 175 | 86% | SPK: 20 |

Comments:

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

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

Sample Results: **PO107569.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:31
Operator : YP/AJ
Sample : P4620-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF13-01

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.370 | 3.644 | 153.5E6 | 69524096 | 16.842m | 21.601m# |
| 2) | SA Decachlor... | 10.068 | 8.641 | 42240503 | 44611459 | 17.217 | 16.272 |
| | Target Compounds | | | | | | |

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

Sample Results: **PO107569.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107569.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:31
Operator : YP/AJ
Sample : P4620-16
Misc :
ALS Vial : 17 Sample Multiplier: 1

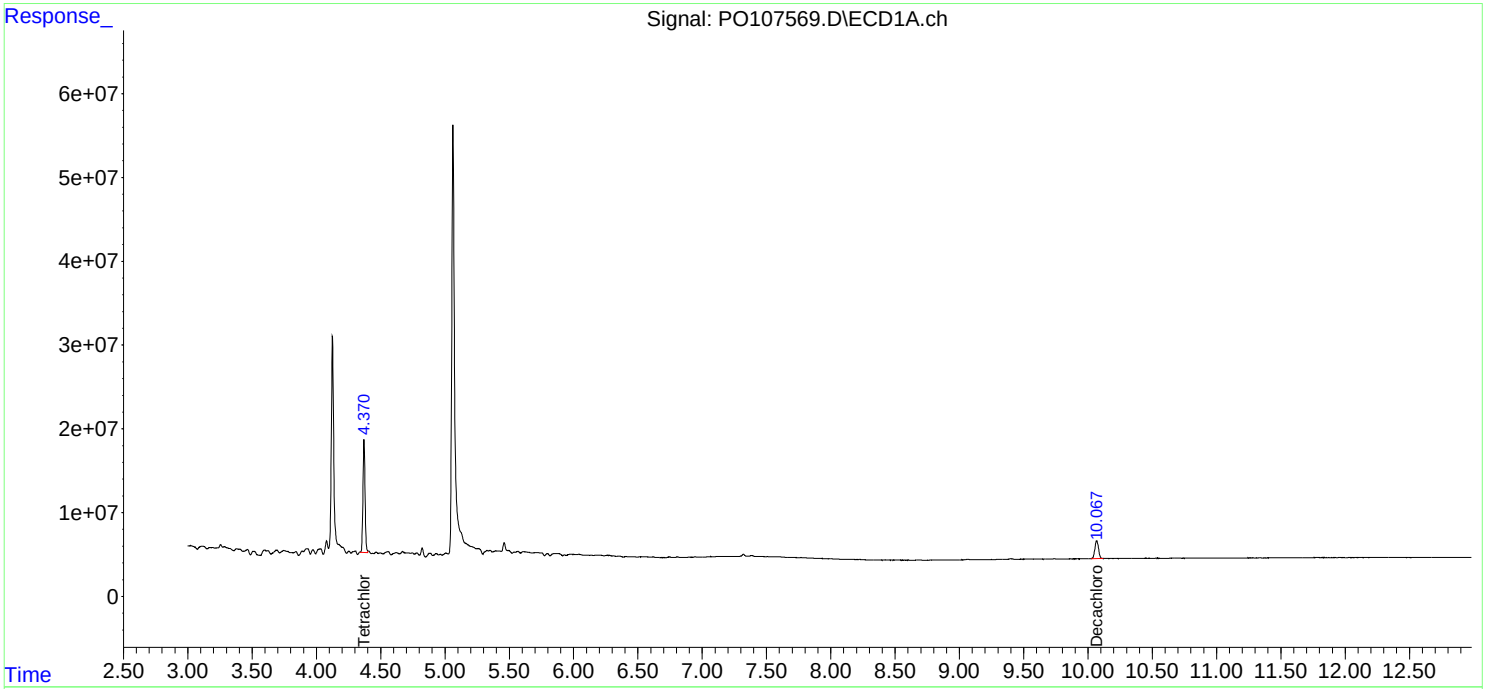
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF13-01

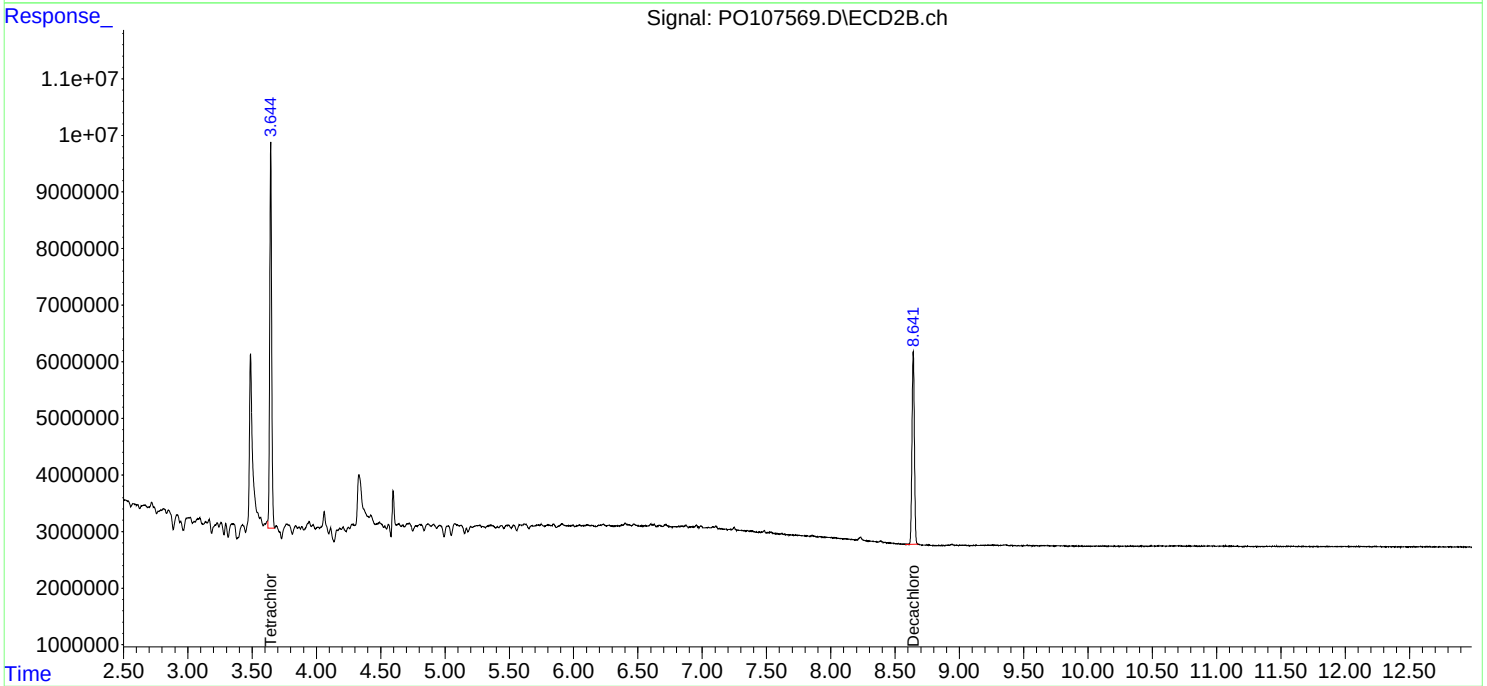
**Manual Integrations APPROVED**

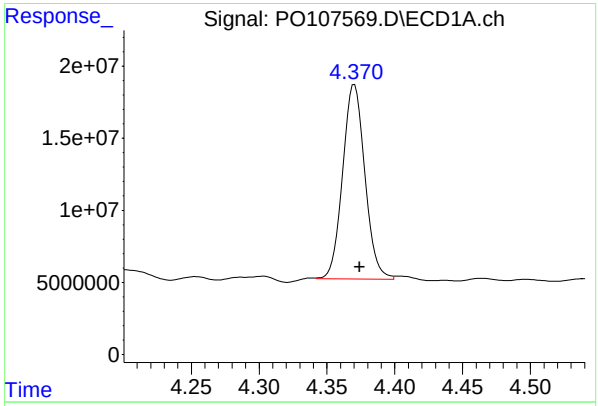
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





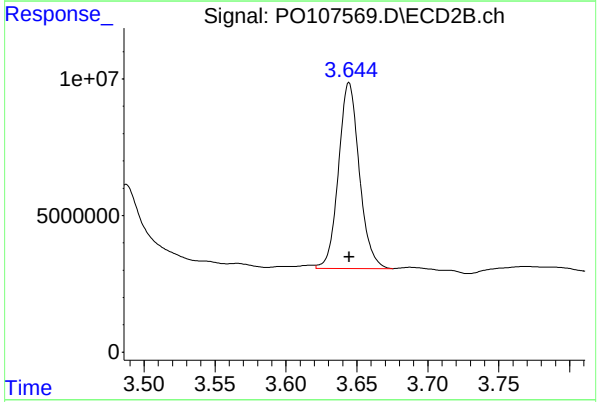

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 153496973
Conc: 16.84 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF13-01

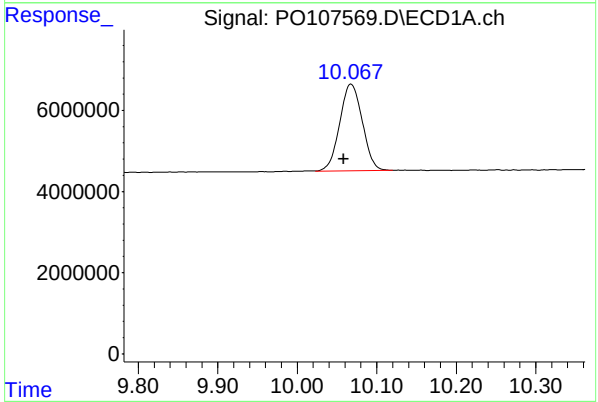
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



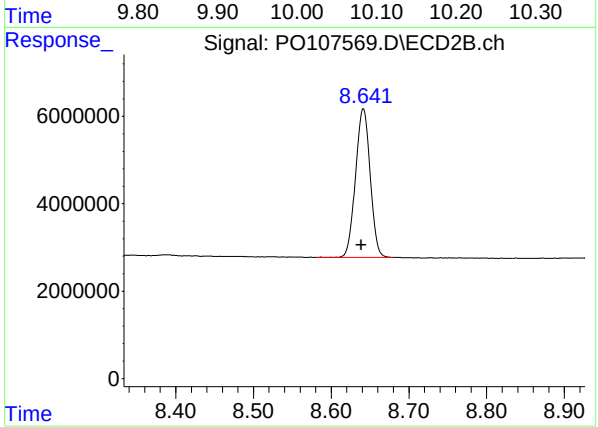

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69524096
Conc: 21.60 ng/ml m




#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 42240503
Conc: 17.22 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.003 min
Response: 44611459
Conc: 16.27 ng/ml

Raw Data: **PO107570.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF14-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-18 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.9 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107570.D | 1 | 10/31/24 10:30 | 10/31/24 18:48 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.085 | U | 0.085 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.091 | U | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 23.7 | | 32 - 144 | 119% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.5 | | 32 - 175 | 98% | 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: **PO107570.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:48
Operator : YP/AJ
Sample : P4620-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF14-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.644 | 211.6E6 | 76274362 | 23.214 | 23.699 |
| 2) | SA Decachlor... | 10.067 | 8.639 | 47923935 | 51249475 | 19.534 | 18.693 |
| | Target Compounds | | | | | | |

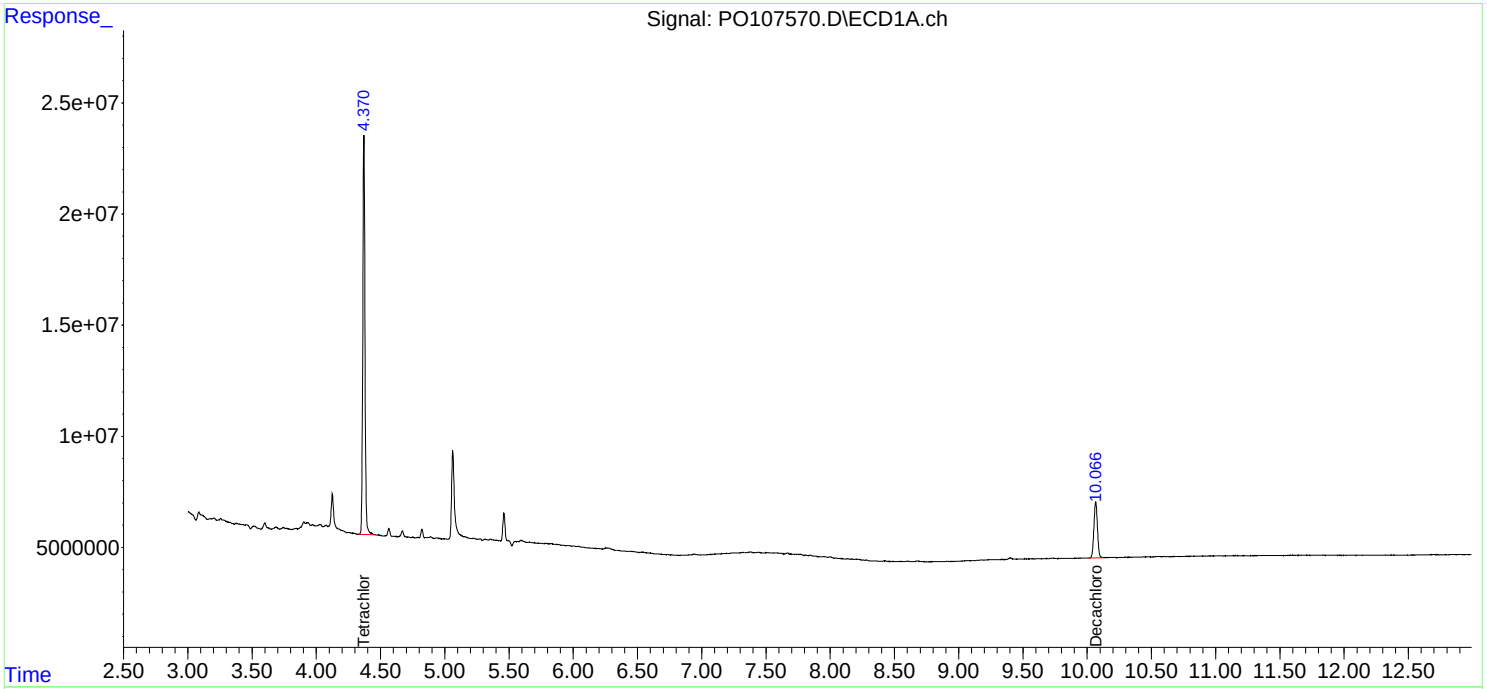
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

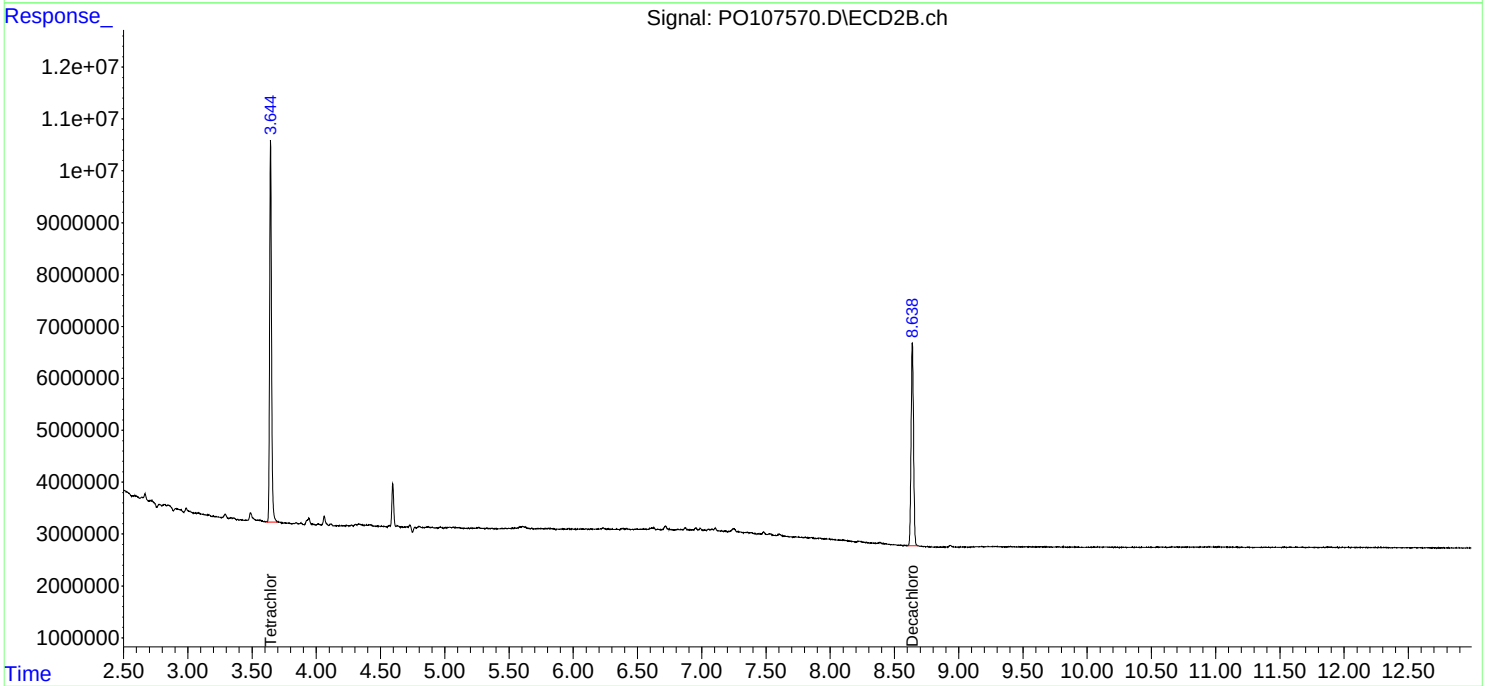
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107570.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:48
Operator : YP/AJ
Sample : P4620-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

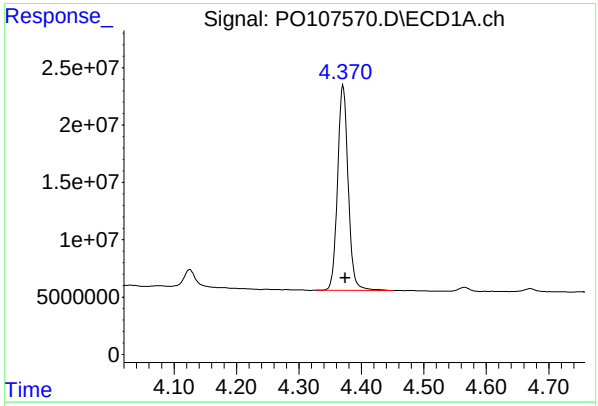
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF14-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



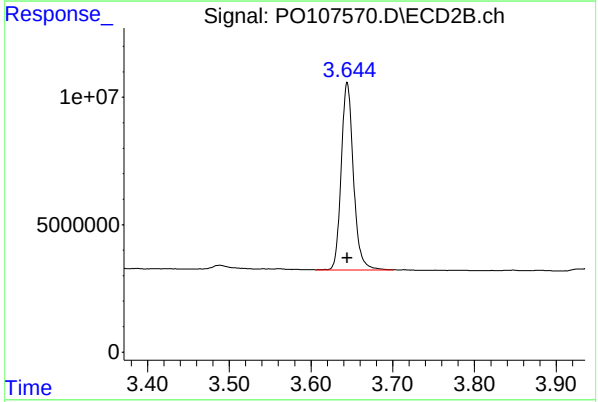






#1 Tetrachloro-m-xylene

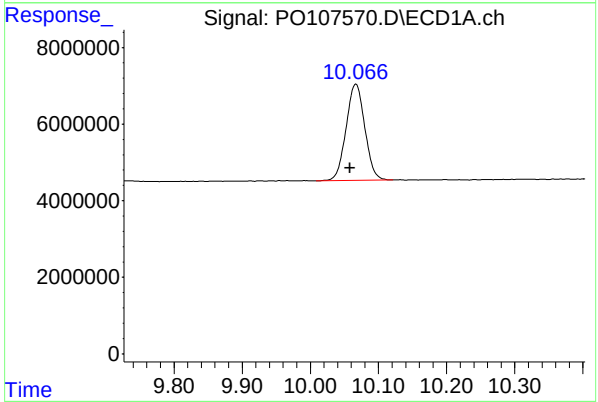
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 211574114
Conc: 23.21 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF14-01



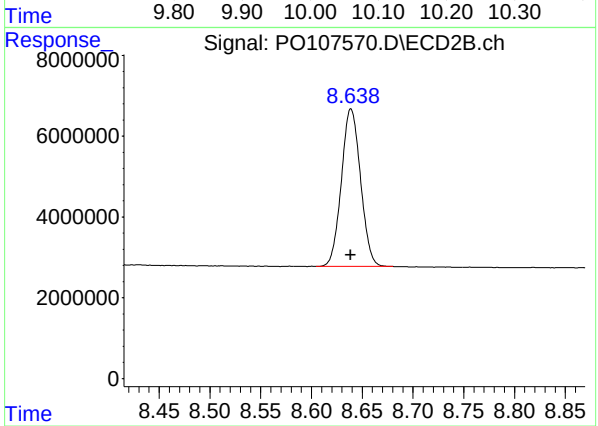

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 76274362
Conc: 23.70 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.067 min
Delta R.T.: 0.009 min
Response: 47923935
Conc: 19.53 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 51249475
Conc: 18.69 ng/ml

Raw Data: **PO107571.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF15-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-20 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 91.6 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107571.D | 1 | 10/31/24 10:30 | 10/31/24 19:04 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.56 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.21 | U | 0.21 | 0.56 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.56 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.56 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.26 | U | 0.26 | 0.56 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.089 | U | 0.089 | 0.56 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.15 | U | 0.15 | 0.56 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.56 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.095 | U | 0.095 | 0.56 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.4 | | 32 - 144 | 107% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.2 | | 32 - 175 | 86% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO107571.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:04
Operator : YP/AJ
Sample : P4620-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF15-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.644 | 181.3E6 | 68984280 | 19.887 | 21.434 |
| 2) | SA Decachlor... | 10.068 | 8.640 | 42150382 | 45148353 | 17.181 | 16.468 |
| | Target Compounds | | | | | | |

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

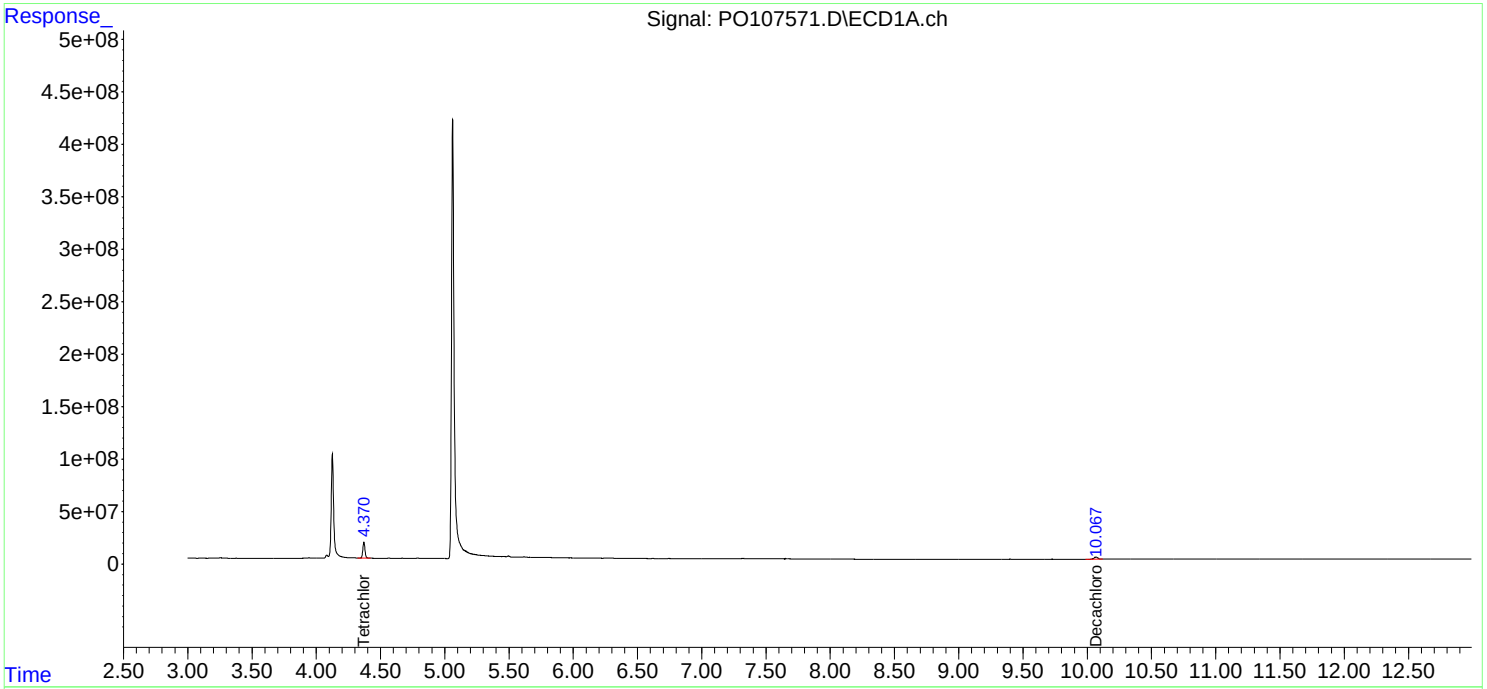
Sample Results: **PO107571.D**

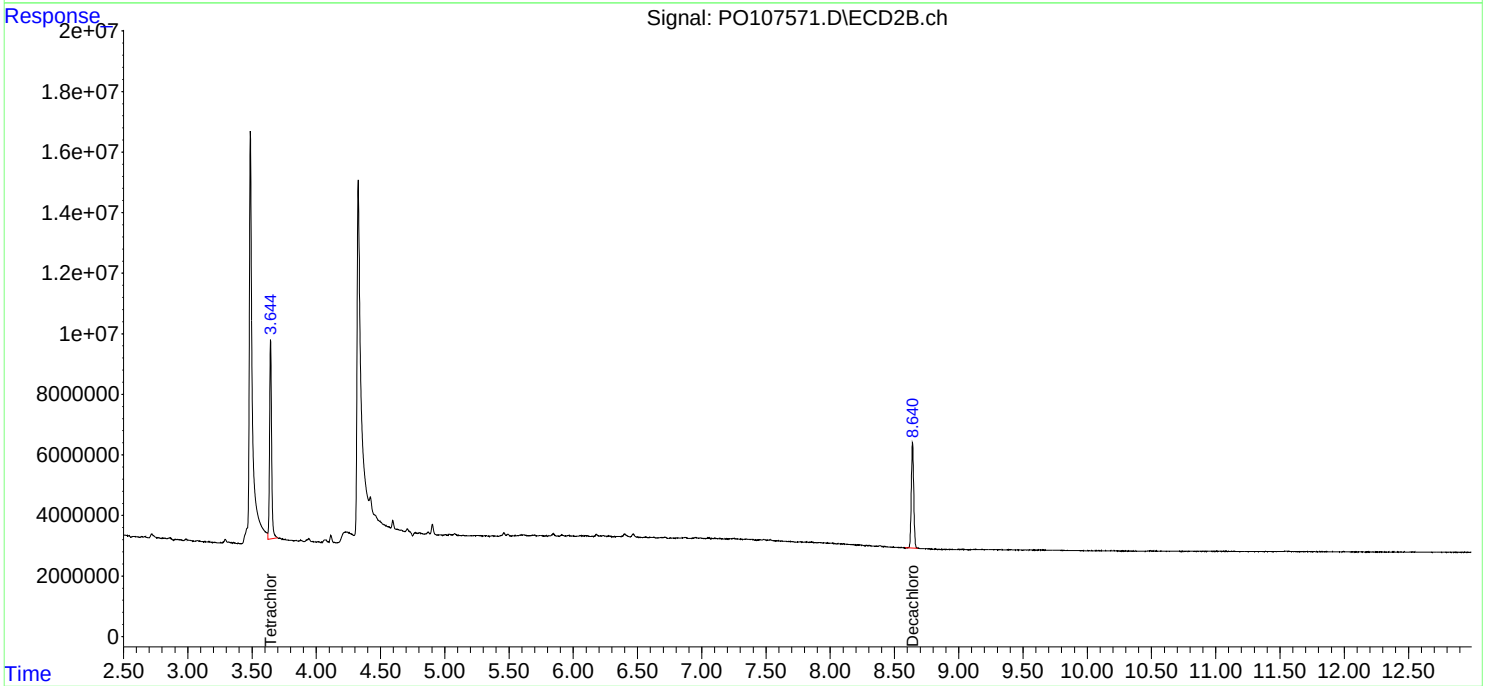
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:04
Operator : YP/AJ
Sample : P4620-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

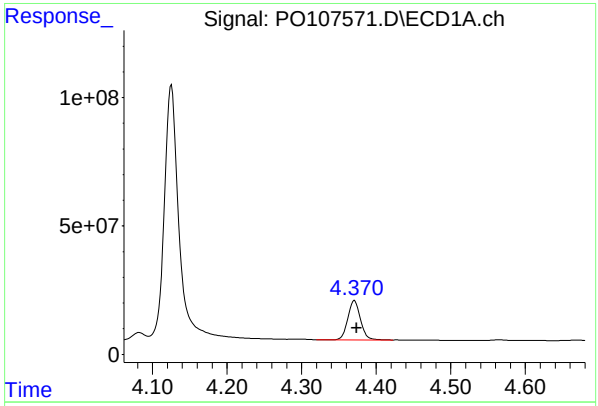
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF15-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:12:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



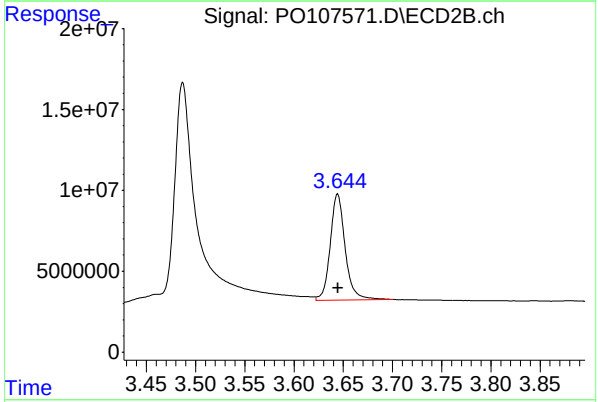






#1 Tetrachloro-m-xylene

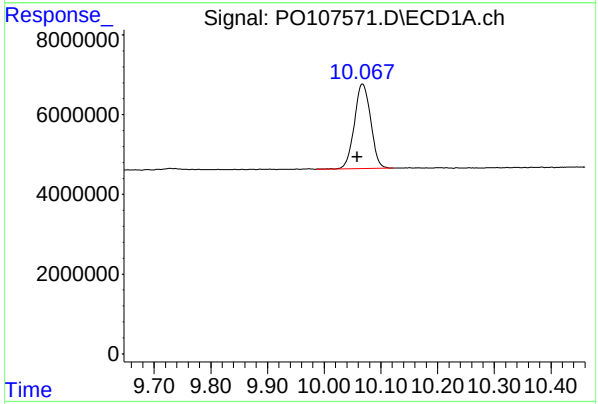
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 181251964
Conc: 19.89 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF15-01



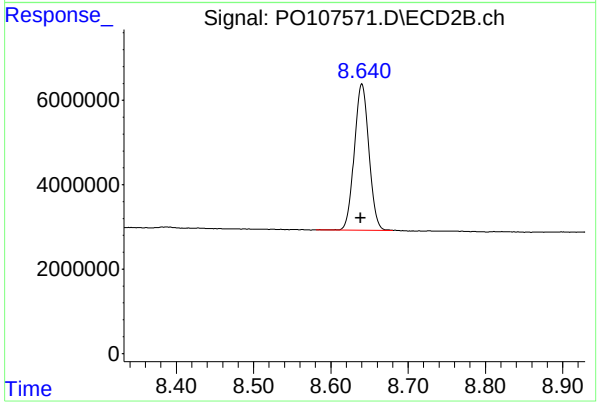

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 68984280
Conc: 21.43 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 42150382
Conc: 17.18 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.001 min
Response: 45148353
Conc: 16.47 ng/ml

Raw Data: **PO107572.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF16-01 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-25 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.6 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107572.D | 1 | 10/31/24 10:30 | 10/31/24 19:20 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.091 | U | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.9 | | 32 - 144 | 104% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.6 | | 32 - 175 | 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

Sample Results: **PO107572.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:20
Operator : YP/AJ
Sample : P4620-25
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.370 | 3.644 | 184.9E6 | 67137567 | 20.285m | 20.860 |
| 2) | SA Decachlor... | 10.068 | 8.640 | 43214039 | 46847673 | 17.614 | 17.088 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:20
Operator : YP/AJ
Sample : P4620-25
Misc :
ALS Vial : 20 Sample Multiplier: 1

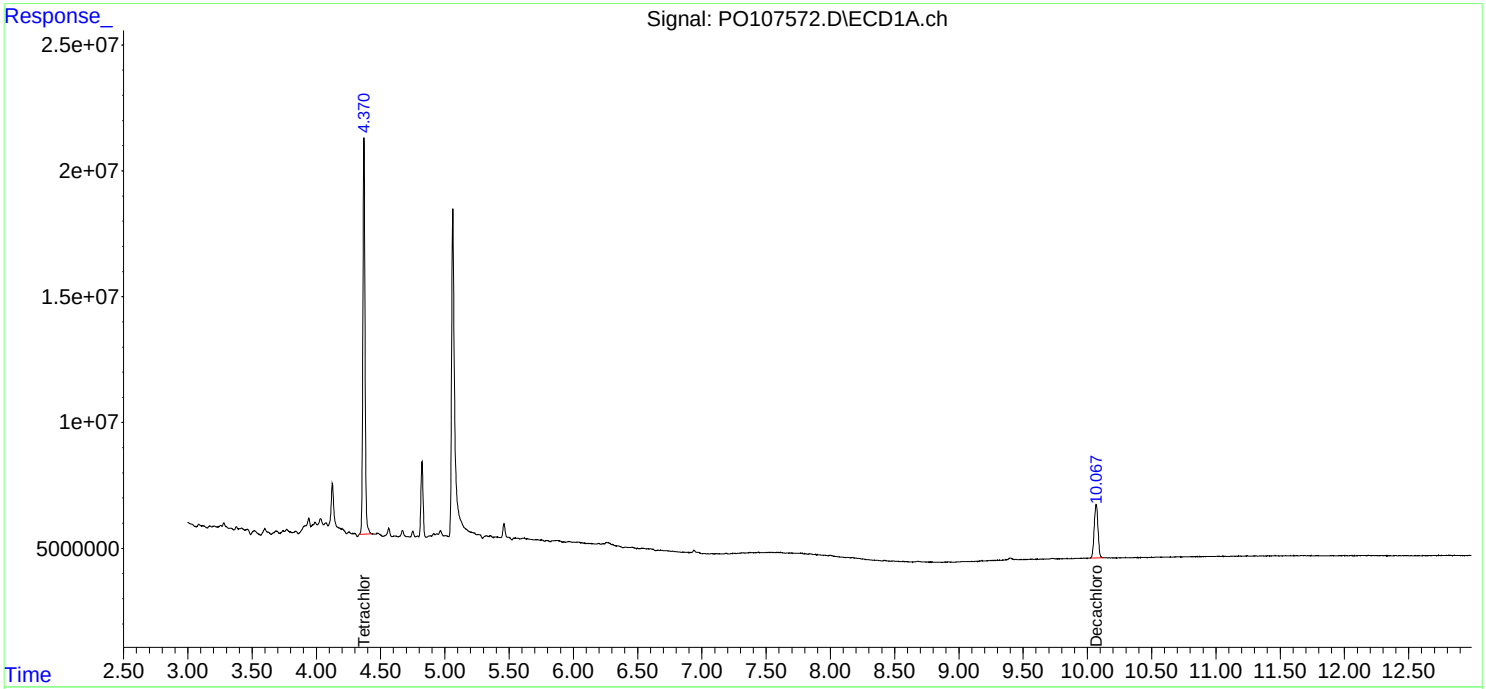
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01

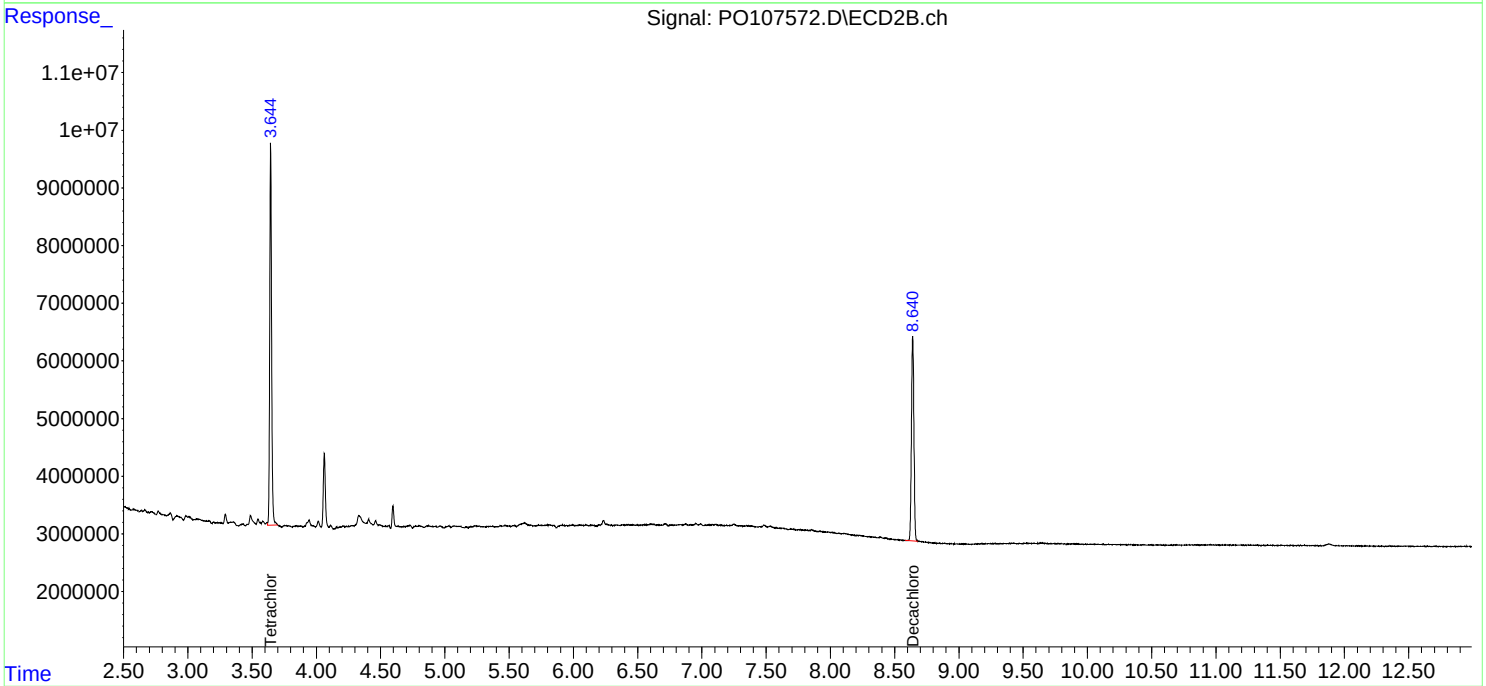
**Manual Integrations APPROVED**

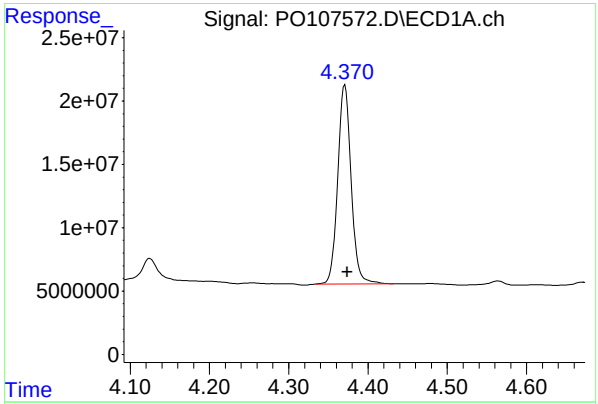
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:13:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





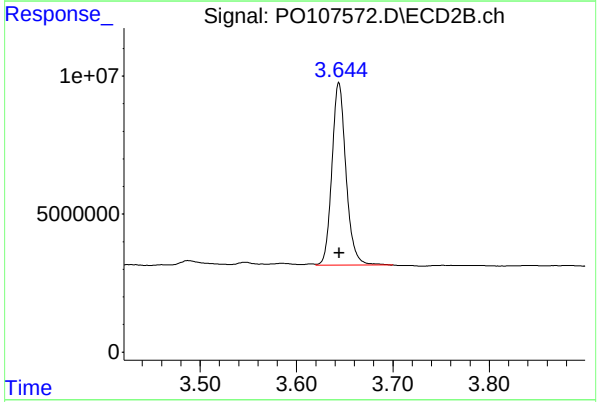

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 184876424
Conc: 20.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01

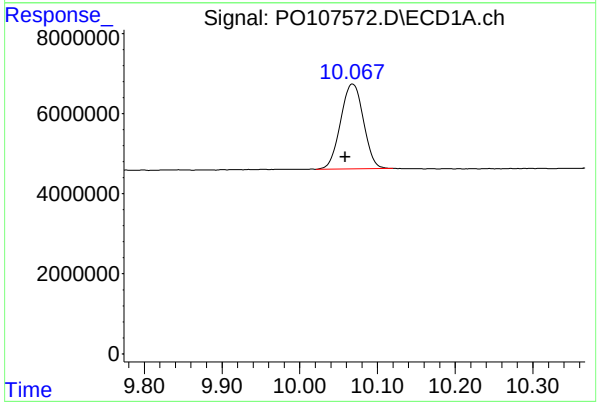
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



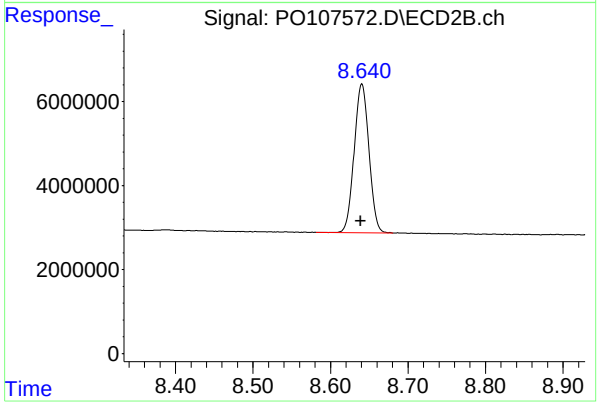

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 67137567
Conc: 20.86 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.010 min
Response: 43214039
Conc: 17.61 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.002 min
Response: 46847673
Conc: 17.09 ng/ml

Raw Data: **PO107575.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF16-02 | SDG No.: | P4620 |
| Lab Sample ID: | P4620-30 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.7 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107575.D | 1 | 10/31/24 10:30 | 10/31/24 20:09 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 0.091 | U | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.7 | | 32 - 144 | 109% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 18.5 | | 32 - 175 | 93% | 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: **PO107575.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:09
Operator : YP/AJ
Sample : P4620-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.644 | 194.1E6 | 69883512 | 21.302 | 21.713 |
| 2) | SA Decachlor... | 10.069 | 8.639 | 45478668 | 50521925 | 18.537 | 18.428 |
| | Target Compounds | | | | | | |

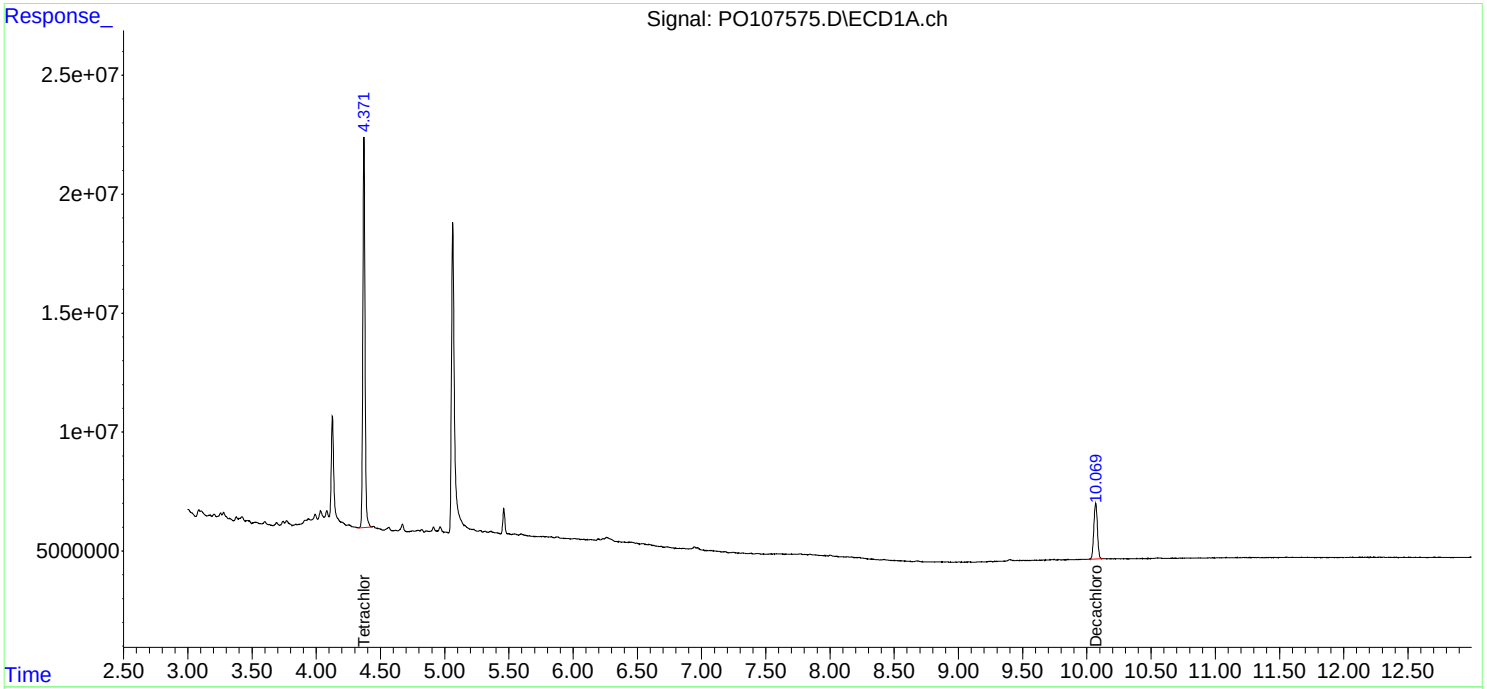
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

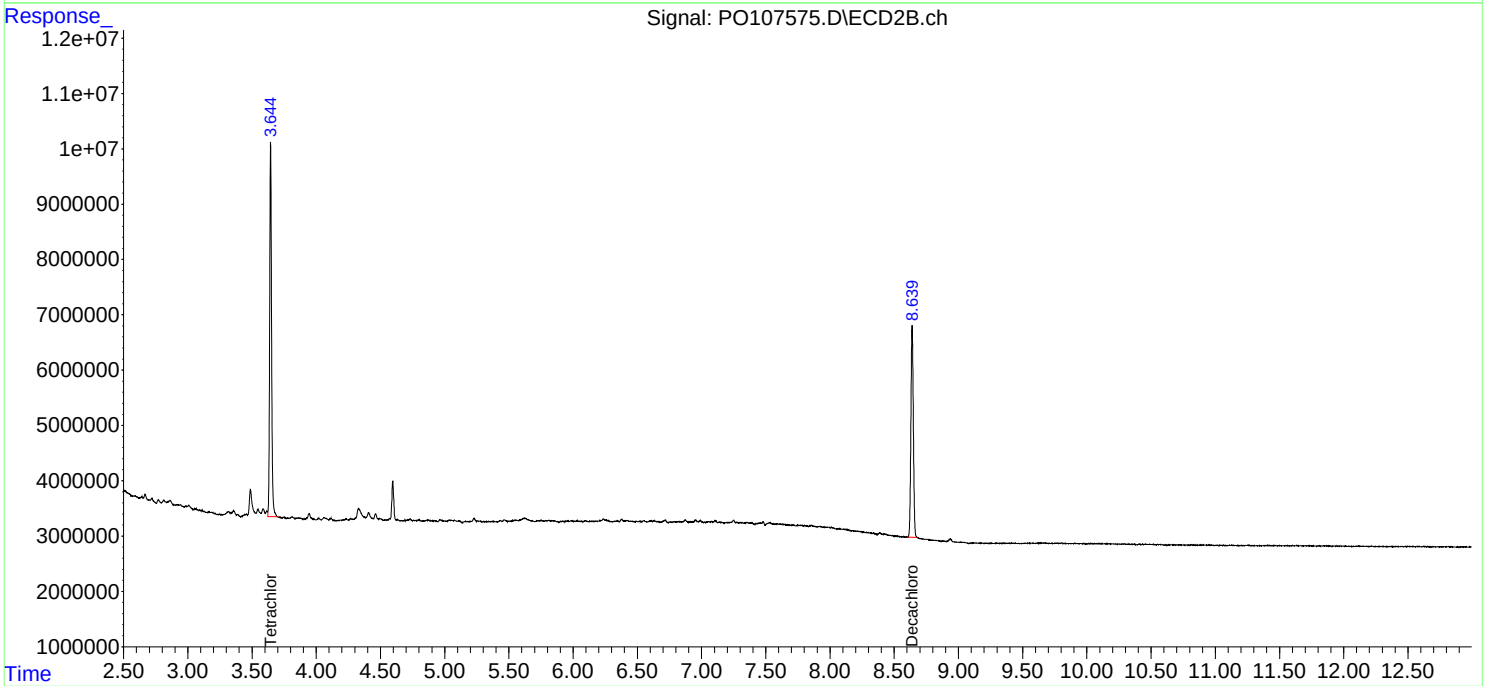
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:09
Operator : YP/AJ
Sample : P4620-30
Misc :
ALS Vial : 23 Sample Multiplier: 1

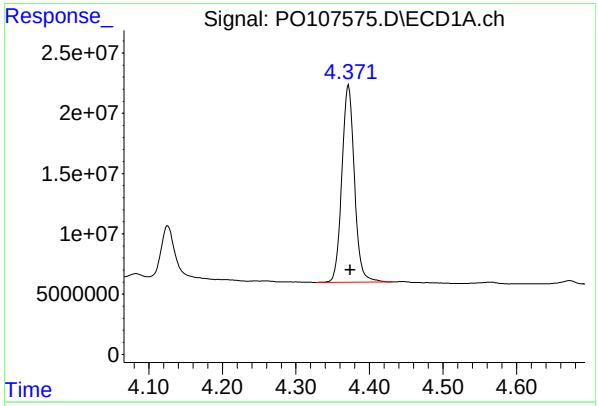
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



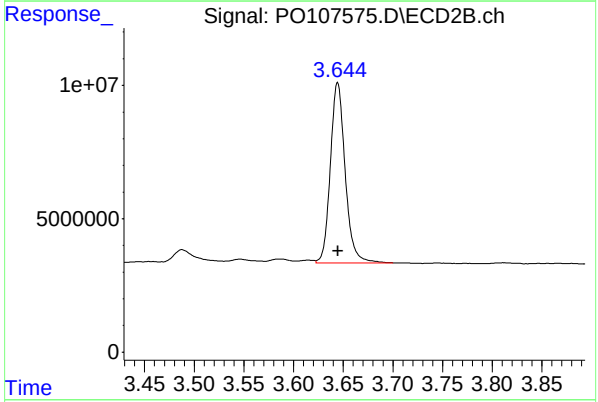






#1 Tetrachloro-m-xylene

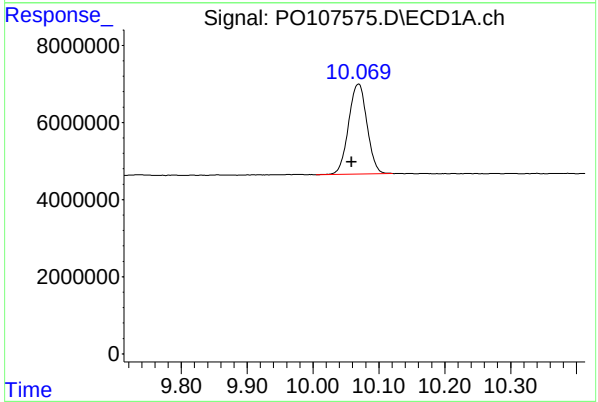
R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 194147361
Conc: 21.30 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-02



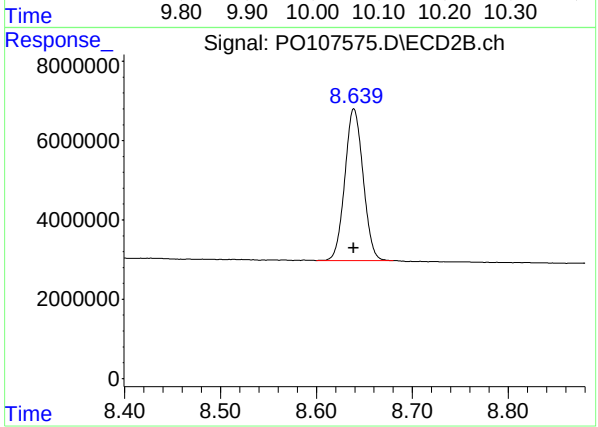

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 69883512
Conc: 21.71 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.069 min
Delta R.T.: 0.011 min
Response: 45478668
Conc: 18.54 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 50521925
Conc: 18.43 ng/ml

Raw Data: **PP068325.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | |
| Project: | RFP 872 | Date Received: | 10/31/24 |
| Client Sample ID: | PB164566TB | SDG No.: | P4620 |
| Lab Sample ID: | PB164566TB | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068325.D | 1 | 10/31/24 10:30 | 10/31/24 16:11 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.7 | | 10 - 157 | 103% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.3 | | 10 - 173 | 112% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP068325.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:11
Operator : YP\AJ
Sample : PB164566TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:42:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.762 | 4.053 | 19119725 | 18444022 | 20.656 | 18.254 |
| 2) | SA Decachlor... | 10.677 | 9.210 | 25716616 | 23565551 | 22.337 | 21.013 |
| | Target Compounds | | | | | | |

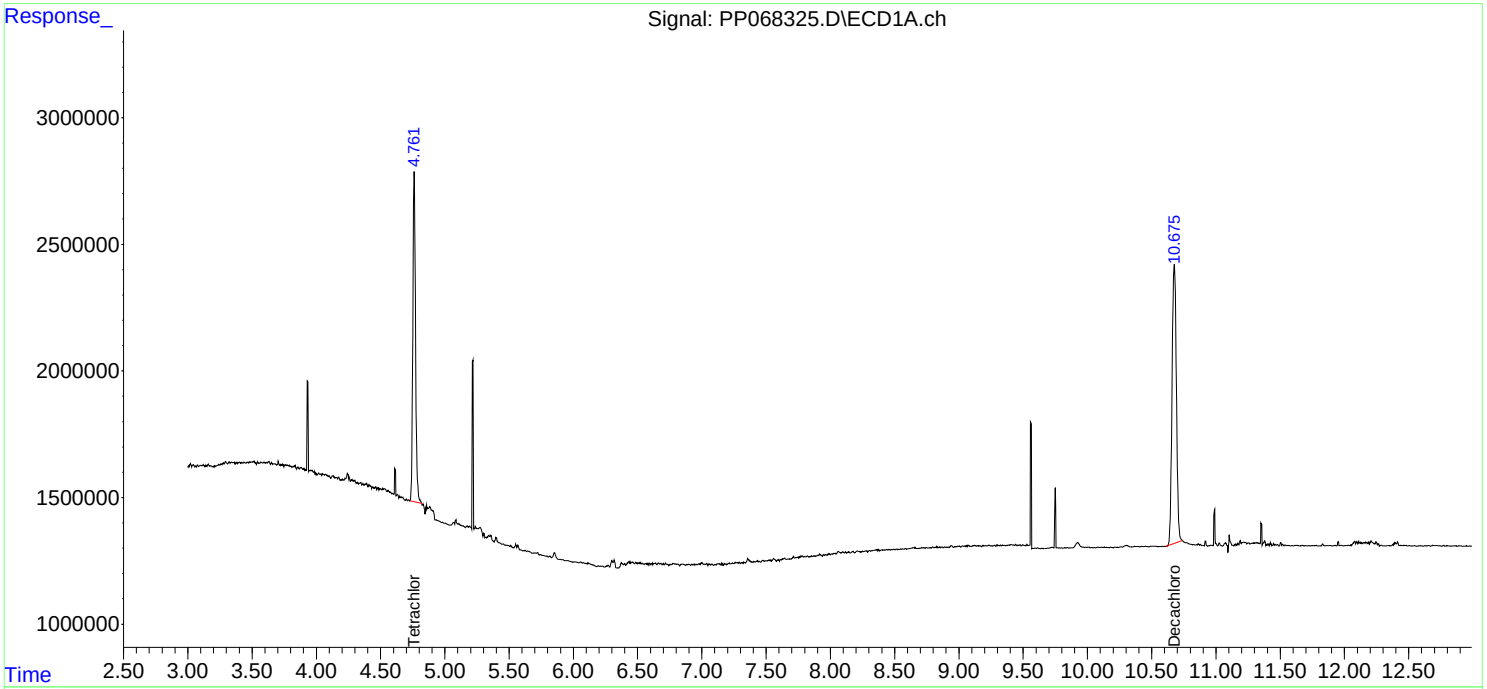
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

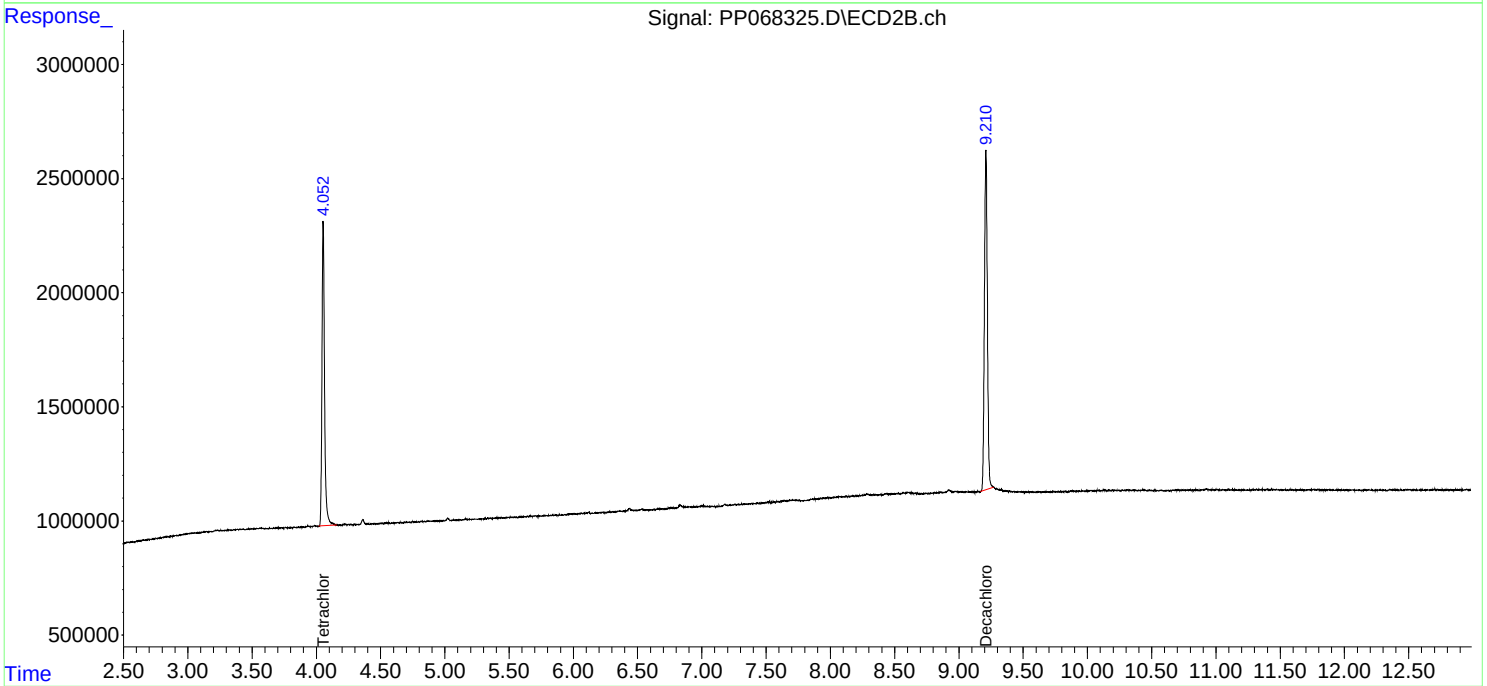
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068325.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 16:11
Operator : YP\AJ
Sample : PB164566TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

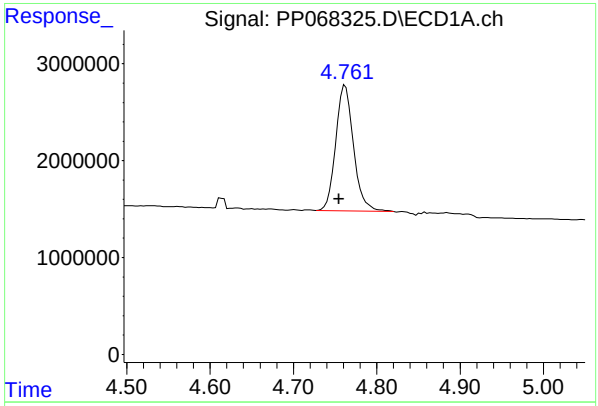
**Instrument :**
ECD_P
**ClientSampleId :**
PB164566TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:42:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



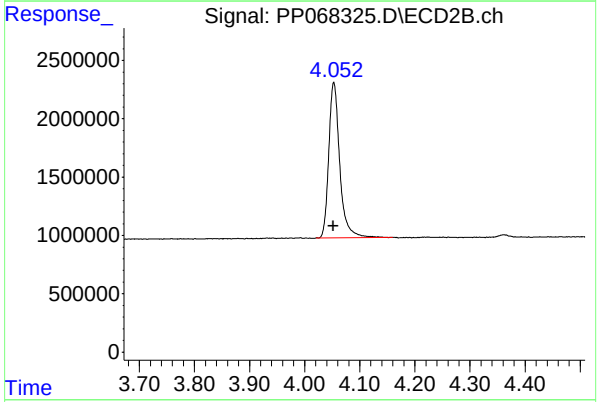






#1 Tetrachloro-m-xylene

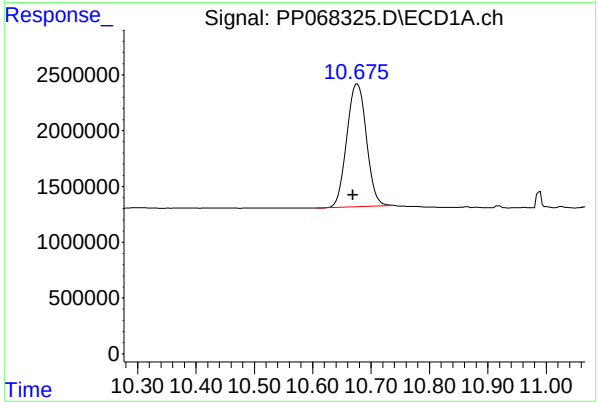
R.T.: 4.762 min
Delta R.T.: 0.007 mi
Response: 19119725
Conc: 20.66 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566TB



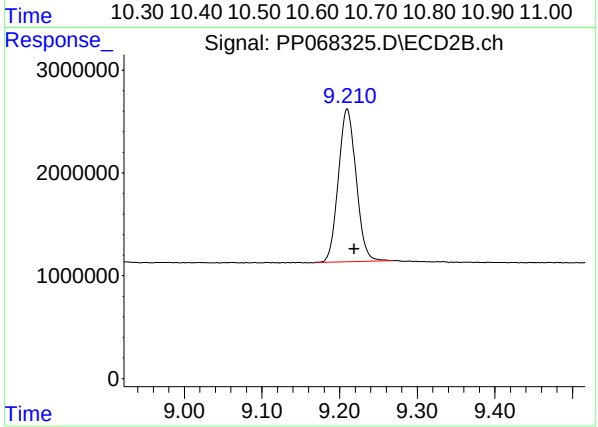

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.000 min
Response: 18444022
Conc: 18.25 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 25716616
Conc: 22.34 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 23565551
Conc: 21.01 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:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.55 | 5.54 | 5.54 | 5.54 | 5.44 | 5.64 |
| Aroclor-1016-3 | (3) | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.51 | 5.71 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 5.90 | 6.10 |
| Aroclor-1260-1 | (1) | 7.12 | 7.13 | 7.13 | 7.12 | 7.13 | 7.13 | 7.03 | 7.23 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.28 | 7.48 |
| Aroclor-1260-3 | (3) | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.64 | 7.84 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.87 | 8.07 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.28 | 8.18 | 8.38 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1242-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1242-2 | (2) | 5.55 | 5.54 | 5.54 | 5.54 | 5.54 | 5.54 | 5.44 | 5.64 |
| Aroclor-1242-3 | (3) | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.61 | 5.51 | 5.71 |
| Aroclor-1242-4 | (4) | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.70 | 5.60 | 5.80 |
| Aroclor-1242-5 | (5) | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.34 | 6.54 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1248-1 | (1) | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.52 | 5.42 | 5.62 |
| Aroclor-1248-2 | (2) | 5.80 | 5.80 | 5.80 | 5.80 | 5.80 | 5.80 | 5.70 | 5.90 |
| Aroclor-1248-3 | (3) | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 5.90 | 6.10 |
| Aroclor-1248-4 | (4) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1248-5 | (5) | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.44 | 6.34 | 6.54 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1254-1 | (1) | 6.37 | 6.37 | 6.38 | 6.37 | 6.38 | 6.37 | 6.27 | 6.47 |
| Aroclor-1254-2 | (2) | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.59 | 6.49 | 6.69 |
| Aroclor-1254-3 | (3) | 6.96 | 6.96 | 6.96 | 6.96 | 6.96 | 6.96 | 6.86 | 7.06 |
| Aroclor-1254-4 | (4) | 7.24 | 7.24 | 7.24 | 7.24 | 7.24 | 7.24 | 7.14 | 7.34 |
| Aroclor-1254-5 | (5) | 7.66 | 7.66 | 7.66 | 7.66 | 7.66 | 7.66 | 7.56 | 7.76 |
| Decachlorobiphenyl | | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |
| Aroclor-1268-1 | (1) | 8.59 | 8.59 | 8.59 | 8.59 | 8.59 | 8.59 | 8.49 | 8.69 |
| Aroclor-1268-2 | (2) | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.68 | 8.58 | 8.78 |
| Aroclor-1268-3 | (3) | 8.91 | 8.91 | 8.91 | 8.91 | 8.91 | 8.91 | 8.81 | 9.01 |
| Aroclor-1268-4 | (4) | 9.31 | 9.31 | 9.31 | 9.31 | 9.31 | 9.31 | 9.21 | 9.41 |
| Aroclor-1268-5 | (5) | 9.72 | 9.72 | 9.72 | 9.72 | 9.72 | 9.72 | 9.62 | 9.82 |

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

**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 10.06 | 9.96 | 10.16 |
| Tetrachloro-m-xylene | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.37 | 4.27 | 4.47 |

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:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1016-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.21 | 6.11 | 6.31 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.39 | 6.39 | 6.40 | 6.39 | 6.29 | 6.49 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.45 | 6.65 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 7.02 | 6.92 | 7.12 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.26 | 7.16 | 7.36 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.65 | 3.64 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1242-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1242-2 | (2) | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1242-3 | (3) | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.92 | 4.82 | 5.02 |
| Aroclor-1242-4 | (4) | 5.00 | 5.01 | 5.00 | 5.01 | 5.00 | 5.00 | 4.90 | 5.10 |
| Aroclor-1242-5 | (5) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.64 | 3.65 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1248-1 | (1) | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.73 | 4.63 | 4.83 |
| Aroclor-1248-2 | (2) | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.96 | 4.86 | 5.06 |
| Aroclor-1248-3 | (3) | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 4.90 | 5.10 |
| Aroclor-1248-4 | (4) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1248-5 | (5) | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.57 | 5.47 | 5.67 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 | 3.64 | 3.54 | 3.74 |
| Aroclor-1254-1 | (1) | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.53 | 5.43 | 5.63 |
| Aroclor-1254-2 | (2) | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.67 | 5.57 | 5.77 |
| Aroclor-1254-3 | (3) | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 5.98 | 6.18 |
| Aroclor-1254-4 | (4) | 6.30 | 6.30 | 6.30 | 6.31 | 6.30 | 6.30 | 6.20 | 6.40 |
| Aroclor-1254-5 | (5) | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.72 | 6.62 | 6.82 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | | 3.65 | 3.64 | 3.64 | 3.64 | 3.65 | 3.64 | 3.54 | 3.74 |
| Aroclor-1268-1 | (1) | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.54 | 7.44 | 7.64 |
| Aroclor-1268-2 | (2) | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.61 | 7.51 | 7.71 |
| Aroclor-1268-3 | (3) | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.71 | 7.91 |
| Aroclor-1268-4 | (4) | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.10 | 8.00 | 8.20 |
| Aroclor-1268-5 | (5) | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.29 | 8.49 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.54 | 8.74 |
| Tetrachloro-m-xylene | 3.65 | 3.64 | 3.65 | 3.64 | 3.65 | 3.65 | 3.55 | 3.75 |

Raw Data

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 252081604 | 261702867 | 271939076 | 291118488 | 272229420 | 269814291 | 5 |
| Aroclor-1016-2 | (2) | 373760062 | 383028583 | 397887352 | 419075308 | 410673320 | 396884925 | 5 |
| Aroclor-1016-3 | (3) | 234678633 | 244145249 | 256575754 | 276405664 | 244042480 | 251169556 | 6 |
| Aroclor-1016-4 | (4) | 185622493 | 193848624 | 202963902 | 215081552 | 165543020 | 192611918 | 10 |
| Aroclor-1016-5 | (5) | 176326470 | 182141932 | 191487930 | 203514892 | 159796500 | 182653545 | 9 |
| Aroclor-1260-1 | (1) | 238480871 | 246497651 | 259155974 | 277220676 | 271587560 | 258588546 | 6 |
| Aroclor-1260-2 | (2) | 243402558 | 251747185 | 264083512 | 284216460 | 272650860 | 263220115 | 6 |
| Aroclor-1260-3 | (3) | 167353086 | 171560129 | 181491762 | 195138068 | 183182660 | 179745141 | 6 |
| Aroclor-1260-4 | (4) | 162125557 | 166999933 | 175289716 | 187582032 | 185522120 | 175503872 | 6 |
| Aroclor-1260-5 | (5) | 268686175 | 273623828 | 283035894 | 299271412 | 297351500 | 284393762 | 5 |
| Decachlorobiphenyl | | 2362750210 | 2427138920 | 2496479000 | 2603827440 | 2376686800 | 2453376474 | 4 |
| Tetrachloro-m-xylene | | 8902656430 | 9087809293 | 9285762860 | 9548006280 | 8745262400 | 9113899453 | 3 |
| Aroclor-1242-1 | (1) | 207947063 | 205572916 | 222208808 | 238956456 | 243522880 | 223641625 | 8 |
| Aroclor-1242-2 | (2) | 302439626 | 299949616 | 323550412 | 342804408 | 348858880 | 323520588 | 7 |
| Aroclor-1242-3 | (3) | 191912697 | 193178427 | 209638152 | 224306728 | 225847640 | 208976729 | 8 |
| Aroclor-1242-4 | (4) | 150447174 | 145338196 | 162797508 | 173135964 | 168308740 | 160005516 | 7 |
| Aroclor-1242-5 | (5) | 141009343 | 143408436 | 153689098 | 164623016 | 179679780 | 156481935 | 10 |
| Decachlorobiphenyl | | 2339420350 | 2427742867 | 2492700840 | 2551827400 | 2426410200 | 2447620331 | 3 |
| Tetrachloro-m-xylene | | 8860043620 | 8651743680 | 9146784160 | 9504075440 | 9174828800 | 9067495140 | 4 |
| Aroclor-1248-1 | (1) | 155913014 | 164800668 | 175191332 | 184609772 | 188867720 | 173876501 | 8 |
| Aroclor-1248-2 | (2) | 222845576 | 238202488 | 253637968 | 270074056 | 280366620 | 253025342 | 9 |
| Aroclor-1248-3 | (3) | 231904923 | 246233752 | 259706092 | 274388212 | 266197800 | 255686156 | 7 |
| Aroclor-1248-4 | (4) | 237210289 | 246633865 | 260533272 | 272872732 | 271860120 | 257822056 | 6 |
| Aroclor-1248-5 | (5) | 236273499 | 246591072 | 260733536 | 276314120 | 280304600 | 260043365 | 7 |
| Decachlorobiphenyl | | 2339780580 | 2371533013 | 2504089680 | 2566158680 | 2396701200 | 2435652631 | 4 |
| Tetrachloro-m-xylene | | 8719403610 | 9119992693 | 9358904180 | 9492784200 | 8995773400 | 9137371617 | 3 |
| Aroclor-1254-1 | (1) | 246822697 | 256579683 | 264992242 | 286189960 | 289157060 | 268748328 | 7 |
| Aroclor-1254-2 | (2) | 348120894 | 361641555 | 373031238 | 401237980 | 402995760 | 377405485 | 6 |
| Aroclor-1254-3 | (3) | 336293322 | 345653409 | 355909306 | 378498460 | 372630440 | 357796987 | 5 |
| Aroclor-1254-4 | (4) | 213138598 | 220171503 | 227187688 | 242530220 | 244046960 | 229414994 | 6 |
| Aroclor-1254-5 | (5) | 194609638 | 201069208 | 205869028 | 220139672 | 216546640 | 207646837 | 5 |
| Decachlorobiphenyl | | 2357746210 | 2401897693 | 2508594000 | 2601578200 | 2359367400 | 2445836701 | 4 |
| Tetrachloro-m-xylene | | 8883763230 | 9164627320 | 9184369060 | 9508828480 | 8791509400 | 9106619498 | 3 |
| Aroclor-1268-1 | (1) | 351862425 | 352413819 | 364622844 | 381760528 | 369380480 | 364008019 | 3 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 313096403 | 314491445 | 324862806 | 339637696 | 320299560 | 322477582 | 3 |
| Aroclor-1268-3 | (3) | 272236453 | 272760276 | 282620036 | 293538700 | 275661940 | 279363481 | 3 |
| Aroclor-1268-4 | (4) | 112236308 | 111261111 | 114714594 | 116428084 | 101458340 | 111219687 | 5 |
| Aroclor-1268-5 | (5) | 836674479 | 833098204 | 847063314 | 864357444 | 781067560 | 832452200 | 4 |
| Decachlorobiphenyl | | 4074190590 | 4136234160 | 4241958160 | 4399826360 | 4004084600 | 4171258774 | 4 |
| Tetrachloro-m-xylene | | 9139601460 | 8935957933 | 9311606620 | 9495189880 | 8951901000 | 9166851379 | 3 |

Raw Data

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

**Calibration Times:** 18:27 02:36

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

**LAB FILE ID:** **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

**CF 500 =** PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 98519363 | 99934743 | 102532802 | 106601384 | 108740020 | 103265662 | 4 |
| Aroclor-1016-2 | (2) | 140533795 | 142751421 | 144315942 | 146877552 | 130360060 | 140967754 | 5 |
| Aroclor-1016-3 | (3) | 75819146 | 77111448 | 78799028 | 81783348 | 80215260 | 78745646 | 3 |
| Aroclor-1016-4 | (4) | 61532960 | 63413097 | 65607722 | 69564368 | 70423600 | 66108349 | 6 |
| Aroclor-1016-5 | (5) | 78878086 | 80970861 | 83522668 | 86940988 | 80356660 | 82133853 | 4 |
| Aroclor-1260-1 | (1) | 150450531 | 152030172 | 155131756 | 161942364 | 156218200 | 155154605 | 3 |
| Aroclor-1260-2 | (2) | 173752920 | 181526657 | 184104290 | 189736236 | 151457920 | 176115605 | 8 |
| Aroclor-1260-3 | (3) | 168454604 | 170292340 | 172108108 | 175991544 | 151894120 | 167748143 | 6 |
| Aroclor-1260-4 | (4) | 143637024 | 144895129 | 147115166 | 150514212 | 137242140 | 144680734 | 3 |
| Aroclor-1260-5 | (5) | 340738400 | 339782780 | 336796716 | 340391952 | 289493480 | 329440666 | 7 |
| Decachlorobiphenyl | | 2730622670 | 2745732653 | 2784792900 | 2852828640 | 2594005000 | 2741596373 | 3 |
| Tetrachloro-m-xylene | | 3312014480 | 3338472613 | 3349065240 | 3230716080 | 2862214000 | 3218496483 | 6 |
| Aroclor-1242-1 | (1) | 80390662 | 80447493 | 83937762 | 87266896 | 86674240 | 83743411 | 4 |
| Aroclor-1242-2 | (2) | 114487494 | 111266404 | 117741916 | 120667112 | 114031640 | 115638913 | 3 |
| Aroclor-1242-3 | (3) | 61817452 | 60461905 | 64396992 | 66865868 | 63624080 | 63433259 | 4 |
| Aroclor-1242-4 | (4) | 60582529 | 60636219 | 64384594 | 68045260 | 66598220 | 64049364 | 5 |
| Aroclor-1242-5 | (5) | 73763103 | 75675432 | 77215916 | 80736528 | 80226620 | 77523520 | 4 |
| Decachlorobiphenyl | | 2686985320 | 2764418280 | 2764436780 | 2798541920 | 2665265400 | 2735929540 | 2 |
| Tetrachloro-m-xylene | | 3315724680 | 3241948653 | 3341198040 | 3335574400 | 2920075400 | 3230904235 | 6 |
| Aroclor-1248-1 | (1) | 60218805 | 63038185 | 64879120 | 66667236 | 62402400 | 63441149 | 4 |
| Aroclor-1248-2 | (2) | 85173308 | 89108361 | 93061950 | 96541480 | 93540340 | 91485088 | 5 |
| Aroclor-1248-3 | (3) | 89257070 | 93226611 | 97377878 | 100891904 | 96212540 | 95393201 | 5 |
| Aroclor-1248-4 | (4) | 105934439 | 110533117 | 114760412 | 117772688 | 111691080 | 112138347 | 4 |
| Aroclor-1248-5 | (5) | 102828085 | 105359652 | 109801380 | 114217964 | 119140640 | 110269544 | 6 |
| Decachlorobiphenyl | | 2669365810 | 2682497173 | 2791873700 | 2836714480 | 2679938000 | 2732077833 | 3 |
| Tetrachloro-m-xylene | | 3278417600 | 3389239440 | 3425836480 | 3362184040 | 2965722400 | 3284279992 | 6 |
| Aroclor-1254-1 | (1) | 159855276 | 163854537 | 165548332 | 171717704 | 162964860 | 164788142 | 3 |
| Aroclor-1254-2 | (2) | 138468840 | 142269335 | 144546922 | 151325972 | 148203140 | 144962842 | 3 |
| Aroclor-1254-3 | (3) | 227061110 | 231385951 | 232213406 | 238575248 | 218867080 | 229620559 | 3 |
| Aroclor-1254-4 | (4) | 128242906 | 130249965 | 131325350 | 135207044 | 122091880 | 129423429 | 4 |
| Aroclor-1254-5 | (5) | 191904554 | 195153152 | 195378104 | 201188864 | 171636600 | 191052255 | 6 |
| Decachlorobiphenyl | | 2726927150 | 2738190720 | 2773447120 | 2836815760 | 2598739800 | 2734824110 | 3 |
| Tetrachloro-m-xylene | | 3347799560 | 3397335627 | 3354246660 | 3362236280 | 2930639600 | 3278451545 | 6 |
| Aroclor-1268-1 | (1) | 419191400 | 409991492 | 413863584 | 410849472 | 368955300 | 404570250 | 5 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 389672996 | 380096764 | 383518208 | 378699872 | 334345600 | 373266688 | 6 |
| Aroclor-1268-3 | (3) | 345284332 | 337828173 | 339535756 | 338755760 | 307004380 | 333681680 | 5 |
| Aroclor-1268-4 | (4) | 129107993 | 127445005 | 127285362 | 129260796 | 113749480 | 125369727 | 5 |
| Aroclor-1268-5 | (5) | 1049237500 | 1019311260 | 1017080130 | 996315476 | 856840280 | 987756929 | 8 |
| Decachlorobiphenyl | | 4873889790 | 4739451973 | 4823511780 | 4890043960 | 4430545400 | 4751488581 | 4 |
| Tetrachloro-m-xylene | | 3440286630 | 3329771373 | 3416104800 | 3331345720 | 2963806400 | 3296262985 | 6 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

**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 | 4.57 | 4.47 | 4.67 | 110010000 |
| | | 2 | 4.66 | 4.56 | 4.76 | 78836600 |
| | | 3 | 4.73 | 4.63 | 4.83 | 234100000 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.73 | 4.63 | 4.83 | 195844000 |
| | | 2 | 5.26 | 5.16 | 5.36 | 103025000 |
| | | 3 | 5.54 | 5.44 | 5.64 | 179001000 |
| | | 4 | 5.70 | 5.60 | 5.80 | 90165400 |
| | | 5 | 5.80 | 5.70 | 5.90 | 65903200 |
| Aroclor-1262 | 500 | 1 | 7.74 | 7.64 | 7.84 | 245548000 |
| | | 2 | 8.28 | 8.18 | 8.38 | 309420000 |
| | | 3 | 8.59 | 8.49 | 8.69 | 209196000 |
| | | 4 | 8.68 | 8.58 | 8.78 | 163066000 |
| | | 5 | 9.32 | 9.22 | 9.42 | 102764000 |

Raw Data

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

**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 | 3.86 | 3.76 | 3.96 | 34895600 |
| | | 2 | 3.94 | 3.84 | 4.04 | 26624800 |
| | | 3 | 4.02 | 3.92 | 4.12 | 81218600 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.02 | 3.92 | 4.12 | 67327000 |
| | | 2 | 4.75 | 4.65 | 4.85 | 63205200 |
| | | 3 | 4.92 | 4.82 | 5.02 | 34475000 |
| | | 4 | 5.00 | 4.90 | 5.10 | 31466000 |
| | | 5 | 5.18 | 5.08 | 5.28 | 33083400 |
| Aroclor-1262 | 500 | 1 | 6.76 | 6.66 | 6.86 | 212876000 |
| | | 2 | 7.26 | 7.16 | 7.36 | 363332000 |
| | | 3 | 7.54 | 7.44 | 7.64 | 137384000 |
| | | 4 | 7.61 | 7.51 | 7.71 | 264574000 |
| | | 5 | 8.10 | 8.00 | 8.20 | 112833000 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
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: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 890.3E6 | 331.2E6 | 95.874 | 98.894 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 236.3E6 | 273.1E6 | 94.643 | 98.055 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.521 | 4.726 | 252.1E6 | 98519363 | 926.978 | 960.857 |
| 4) | L1 AR-1016-2 | 5.544 | 4.745 | 373.8E6 | 140.5E6 | 939.362 | 973.793 |
| 5) | L1 AR-1016-3 | 5.606 | 4.921 | 234.7E6 | 75819146 | 914.656 | 962.184 |
| 6) | L1 AR-1016-4 | 5.703 | 4.962 | 185.6E6 | 61532960 | 914.559 | 937.892 |
| 7) | L1 AR-1016-5 | 5.998 | 5.175 | 176.3E6 | 78878086 | 920.823 | 944.391 |
| 31) | L7 AR-1260-1 | 7.124 | 6.207 | 238.5E6 | 150.5E6 | 920.221 | 969.824 |
| 32) | L7 AR-1260-2 | 7.381 | 6.393 | 243.4E6 | 173.8E6 | 921.688 | 943.774 |
| 33) | L7 AR-1260-3 | 7.743 | 6.547 | 167.4E6 | 168.5E6 | 922.097 | 978.772 |
| 34) | L7 AR-1260-4 | 7.967 | 7.018 | 162.1E6 | 143.6E6 | 924.901 | 976.358 |
| 35) | L7 AR-1260-5 | 8.281 | 7.258 | 268.7E6 | 340.7E6 | 949.301 | 1011.703 |

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

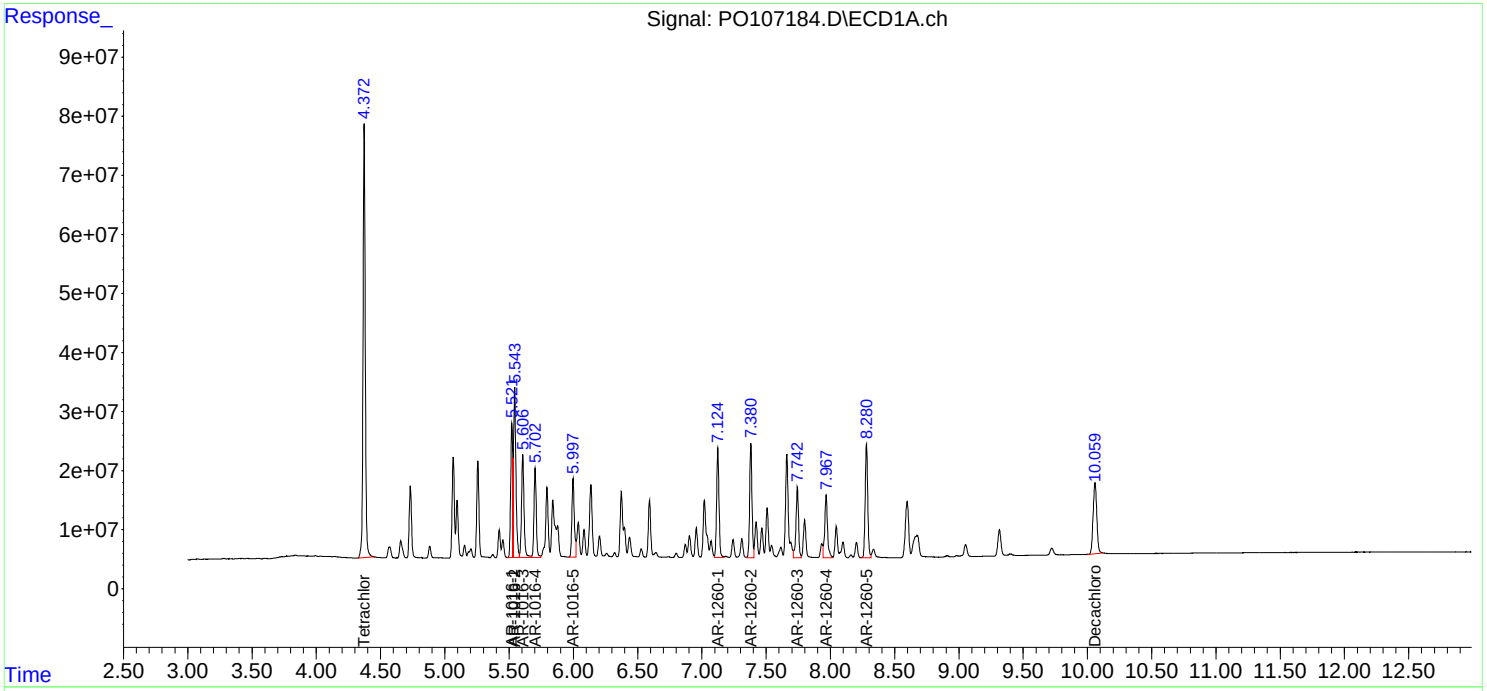
ICAL Form

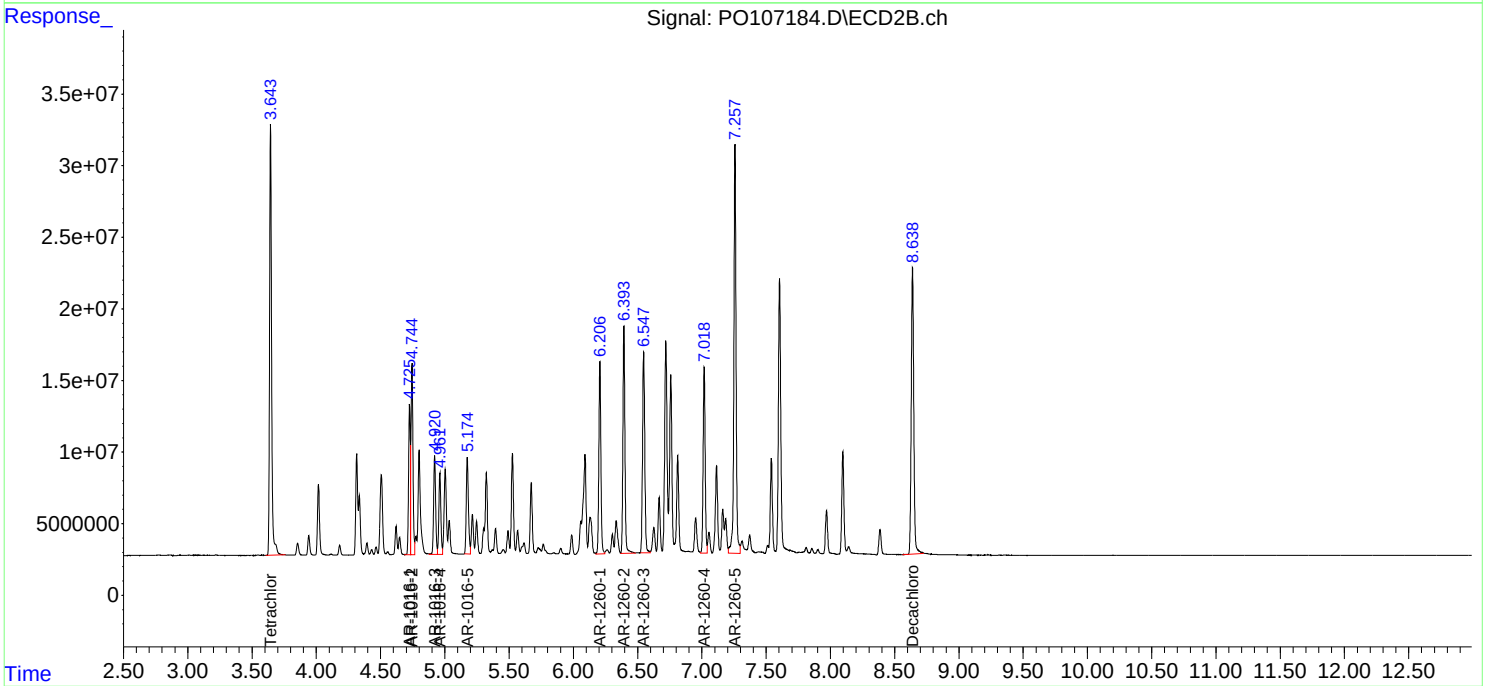
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:27
Operator : YP/AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

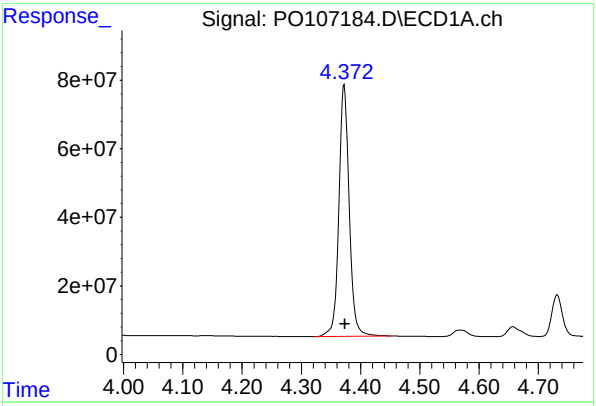
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



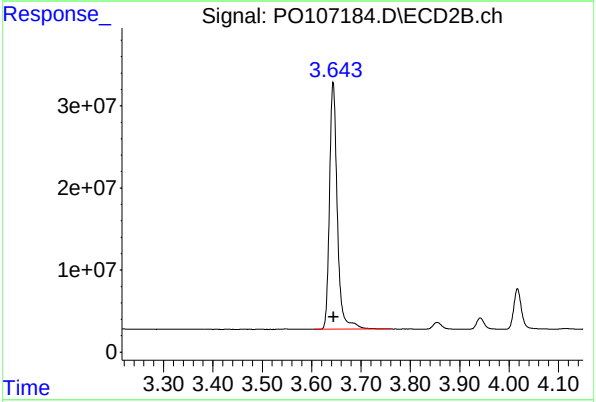






#1 Tetrachloro-m-xylene

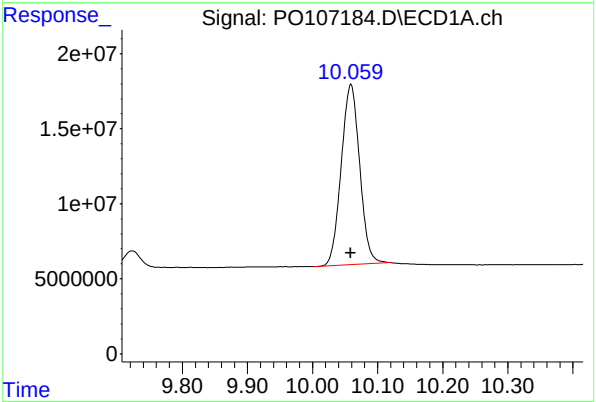
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 890265643
Conc: 95.87 ng/ml

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



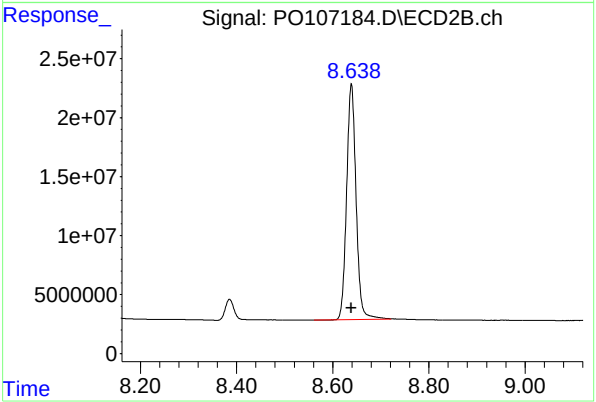

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331201448
Conc: 98.89 ng/ml



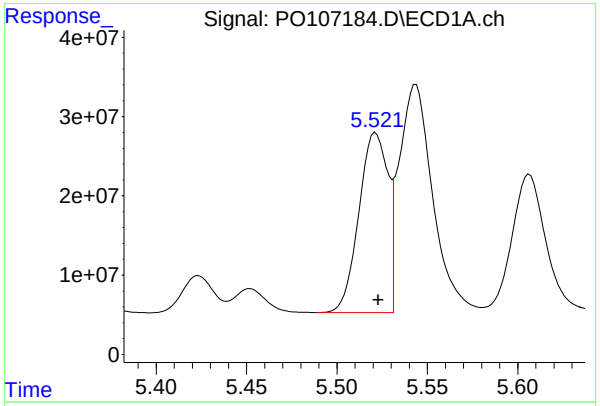

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 236275021
Conc: 94.64 ng/ml




#2 Decachlorobiphenyl

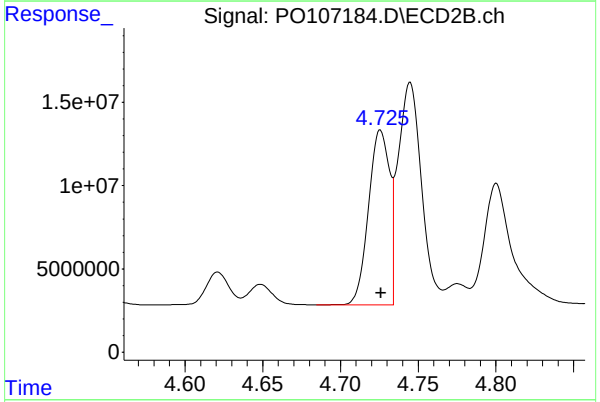
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 273062267
Conc: 98.05 ng/ml




#3 AR-1016-1

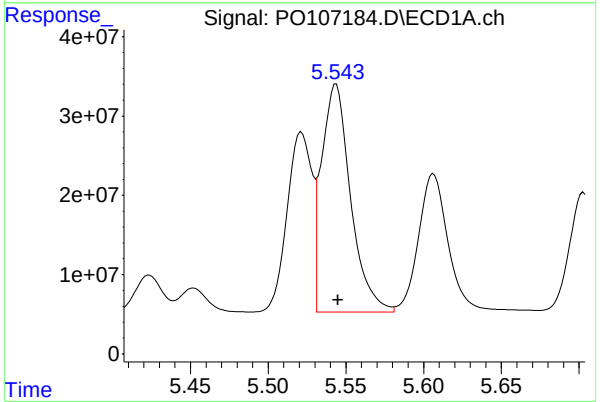
R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 252081604
Conc: 926.98 ng/ml

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



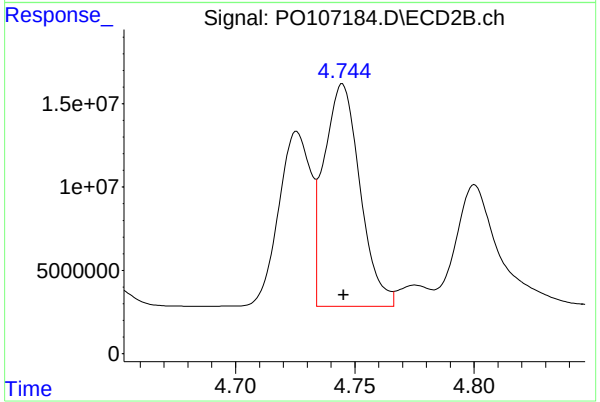

#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 98519363
Conc: 960.86 ng/ml



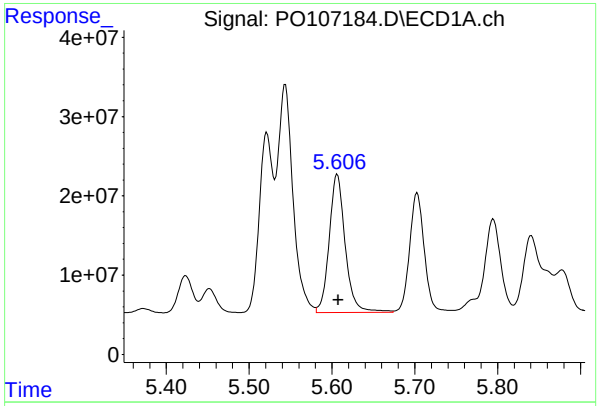

#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 373760062
Conc: 939.36 ng/ml




#4 AR-1016-2

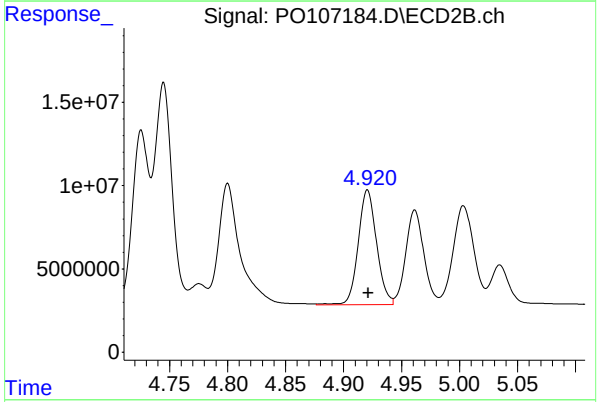
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 140533795
Conc: 973.79 ng/ml




#5 AR-1016-3

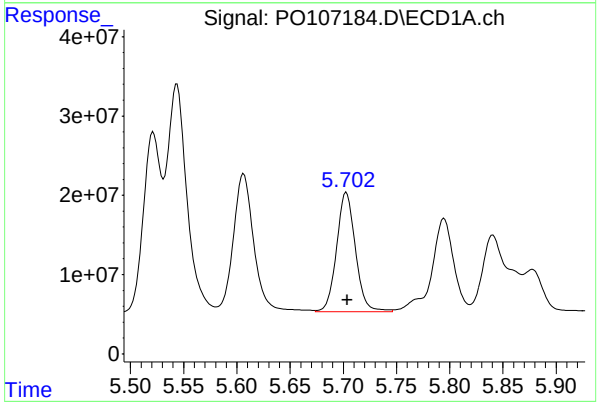
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 234678633
Conc: 914.66 ng/ml

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



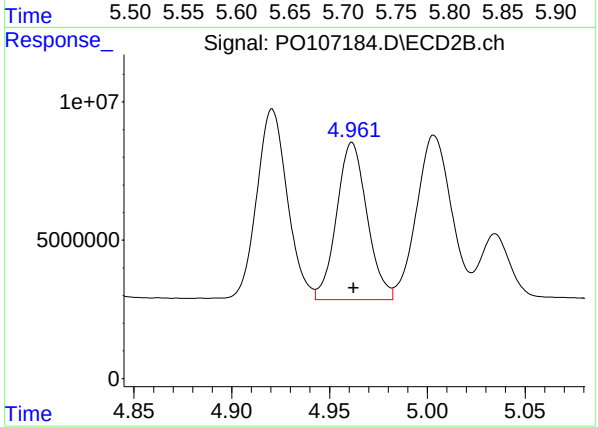

#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 75819146
Conc: 962.18 ng/ml



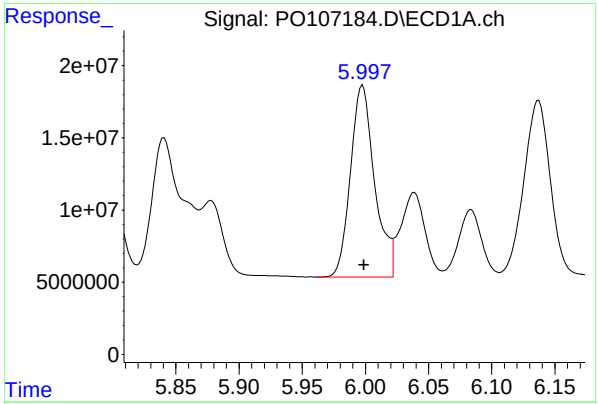

#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 185622493
Conc: 914.56 ng/ml




#6 AR-1016-4

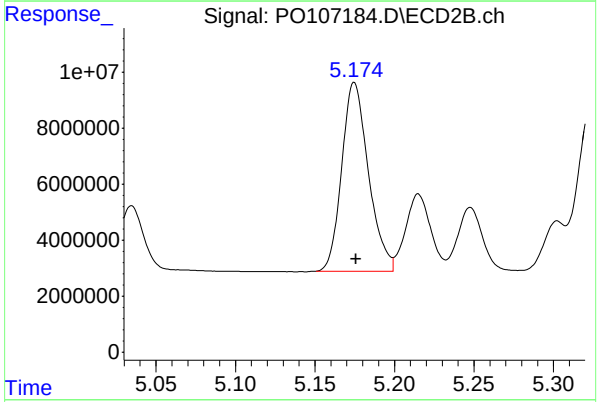
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 61532960
Conc: 937.89 ng/ml




#7 AR-1016-5

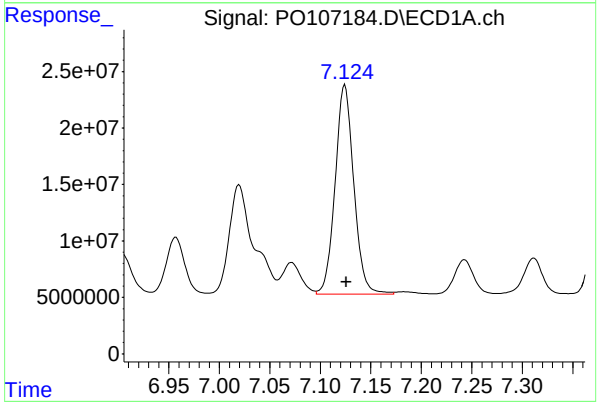
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 176326470
Conc: 920.82 ng/ml

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



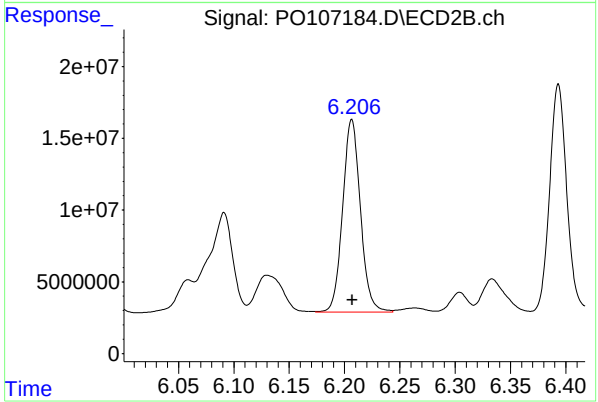

#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 78878086
Conc: 944.39 ng/ml



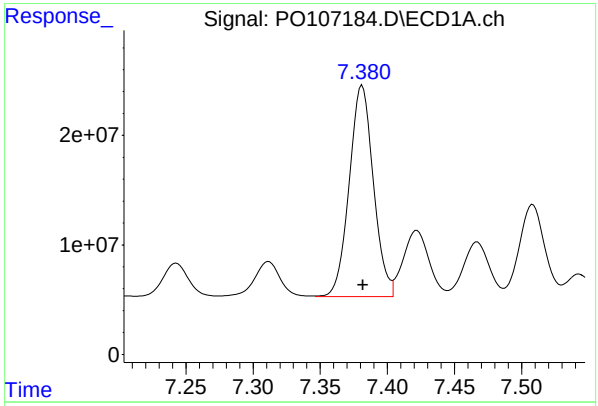

#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.001 min
Response: 238480871
Conc: 920.22 ng/ml




#31 AR-1260-1

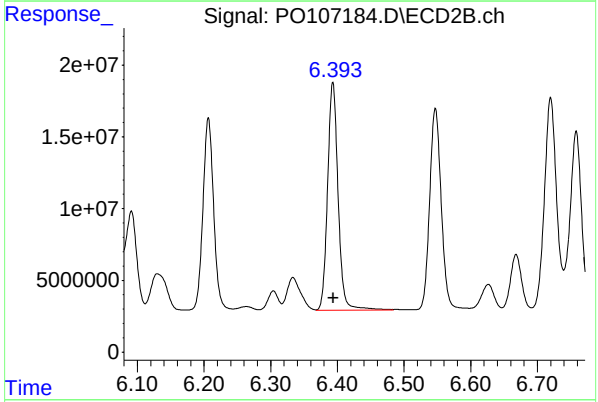
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 150450531
Conc: 969.82 ng/ml




#32 AR-1260-2

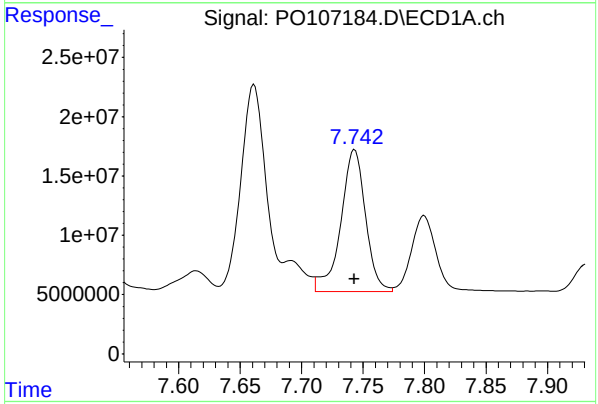
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 243402558
Conc: 921.69 ng/ml

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



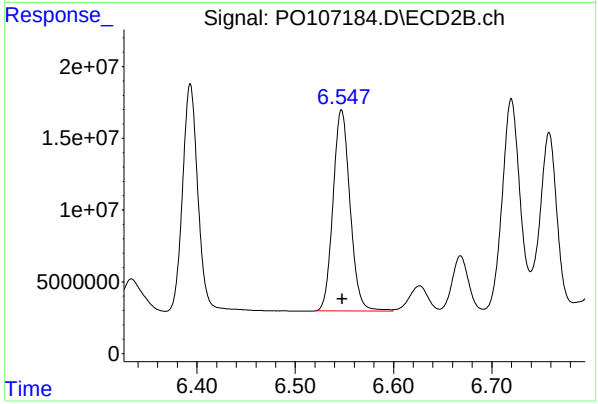

#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: 0.000 min
Response: 173752920
Conc: 943.77 ng/ml



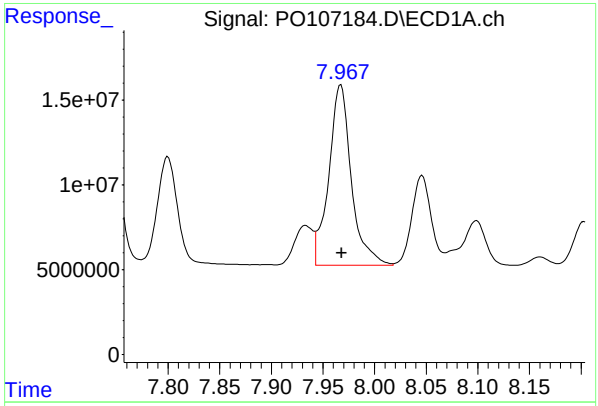

#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 167353086
Conc: 922.10 ng/ml




#33 AR-1260-3

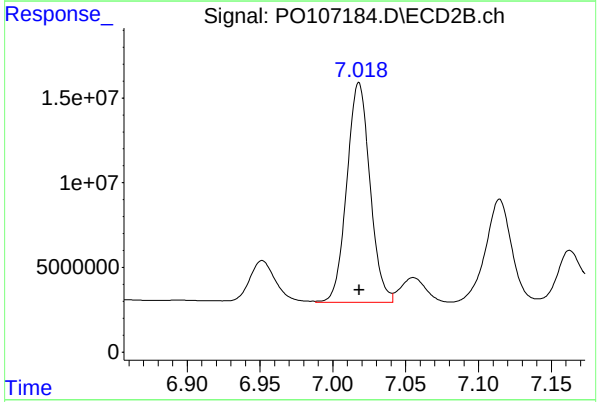
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 168454604
Conc: 978.77 ng/ml




#34 AR-1260-4

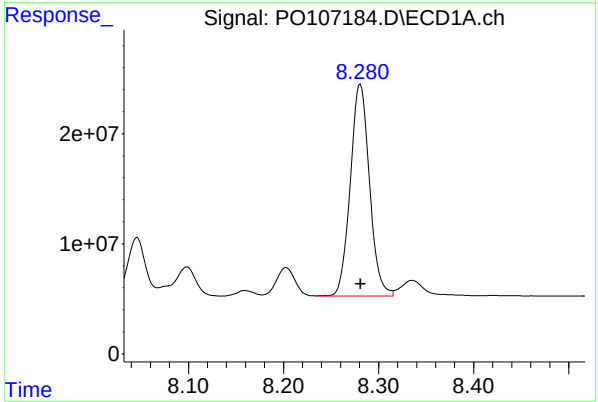
R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 162125557
Conc: 924.90 ng/ml

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



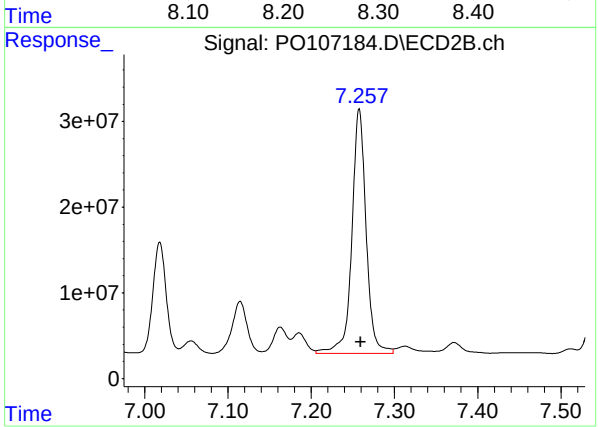

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 143637024
Conc: 976.36 ng/ml




#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 268686175
Conc: 949.30 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 340738400
Conc: 1011.70 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
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: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.374 | 3.644 | 681.6E6 | 250.4E6 | 73.401 | 74.763 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 182.0E6 | 205.9E6 | 72.917 | 73.948 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.523 | 4.726 | 196.3E6 | 74951057 | 721.769 | 730.996 |
| 4) | L1 AR-1016-2 | 5.545 | 4.745 | 287.3E6 | 107.1E6 | 721.992 | 741.869 |
| 5) | L1 AR-1016-3 | 5.607 | 4.921 | 183.1E6 | 57833586 | 713.664 | 733.938 |
| 6) | L1 AR-1016-4 | 5.704 | 4.962 | 145.4E6 | 47559823 | 716.317 | 724.912 |
| 7) | L1 AR-1016-5 | 5.999 | 5.176 | 136.6E6 | 60728146 | 713.395 | 727.086 |
| 31) | L7 AR-1260-1 | 7.125 | 6.207 | 184.9E6 | 114.0E6 | 713.367 | 735.005 |
| 32) | L7 AR-1260-2 | 7.382 | 6.394 | 188.8E6 | 136.1E6 | 714.965 | 739.499 |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 128.7E6 | 127.7E6 | 708.958 | 742.087 |
| 34) | L7 AR-1260-4 | 7.968 | 7.018 | 125.2E6 | 108.7E6 | 714.531 | 738.682 |
| 35) | L7 AR-1260-5 | 8.281 | 7.258 | 205.2E6 | 254.8E6 | 725.060 | 756.650 |

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

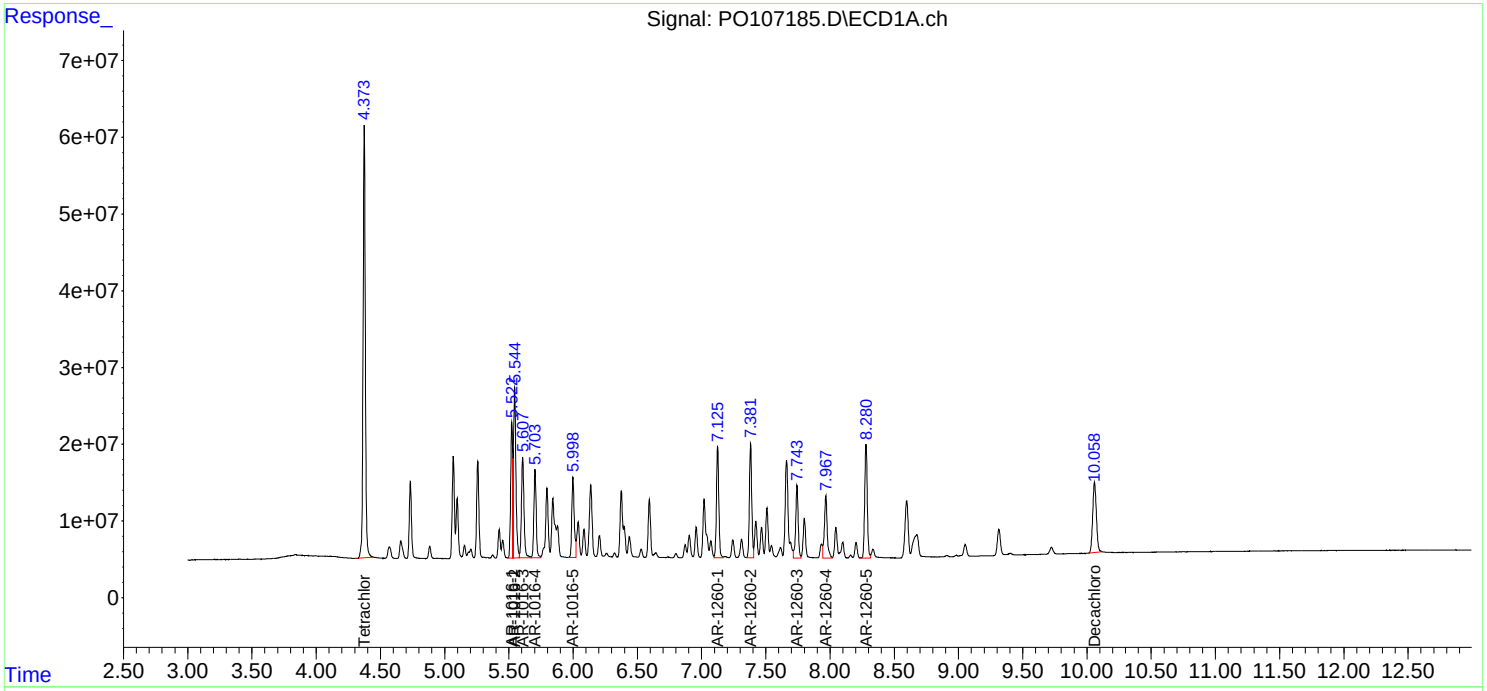
ICAL Form

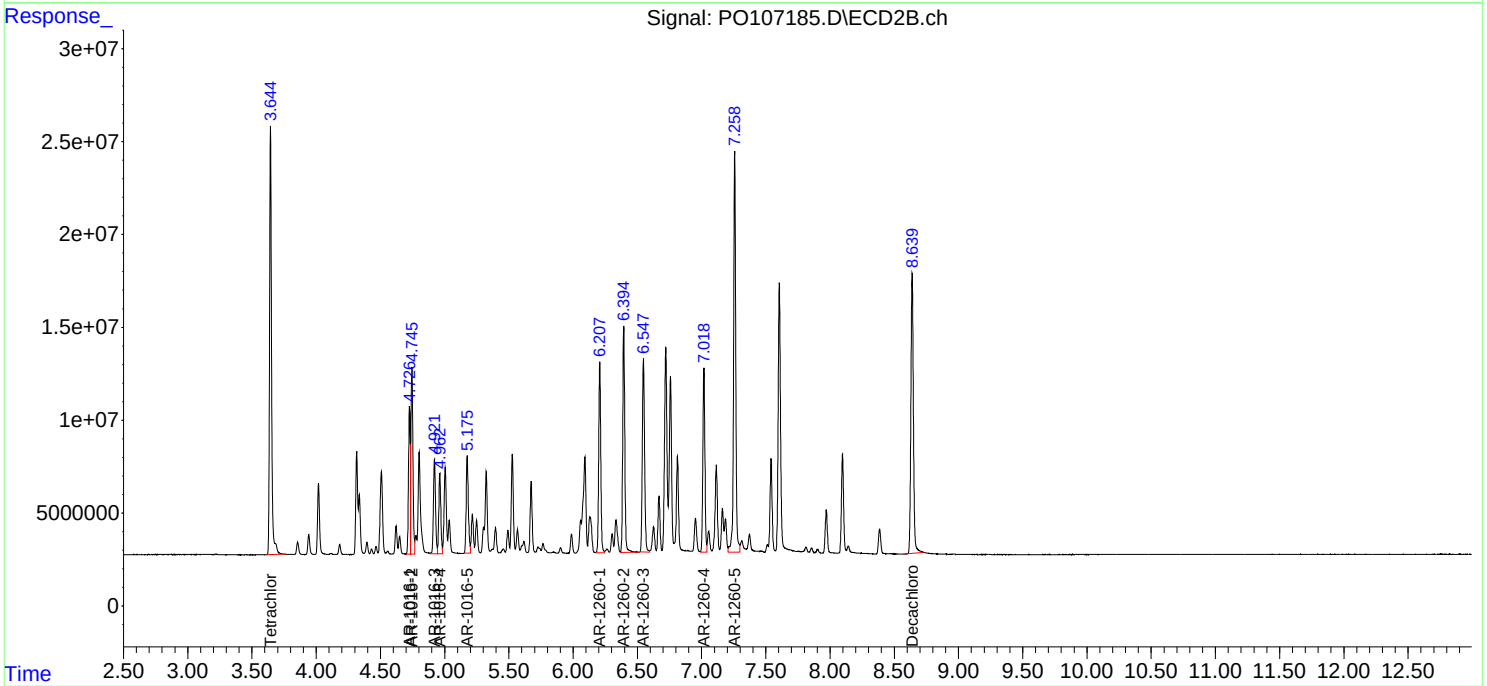
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:45
Operator : YP/AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

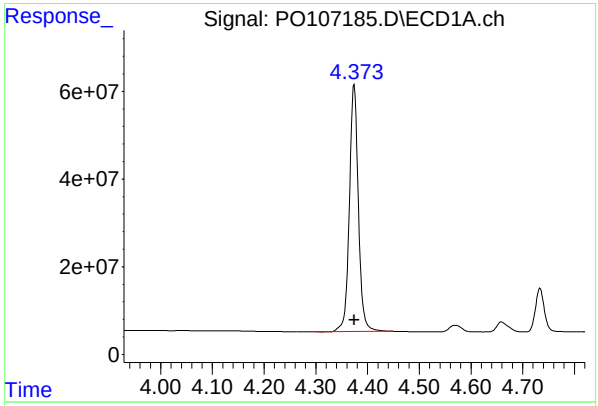
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:24:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



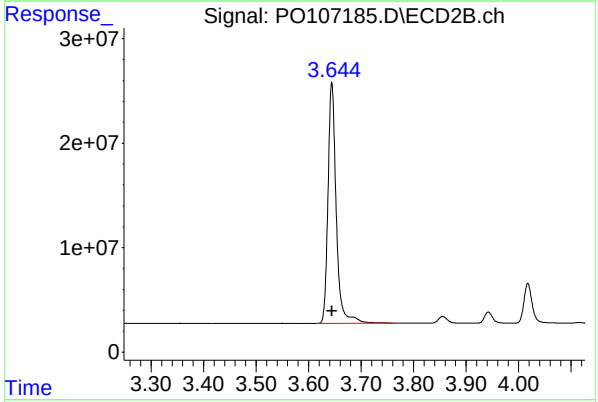






#1 Tetrachloro-m-xylene

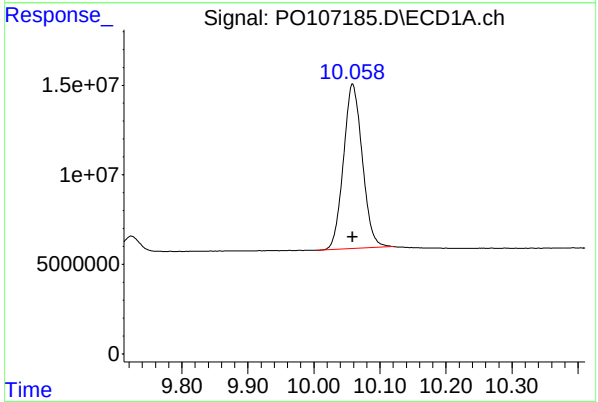
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 681585697
Conc: 73.40 ng/ml

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



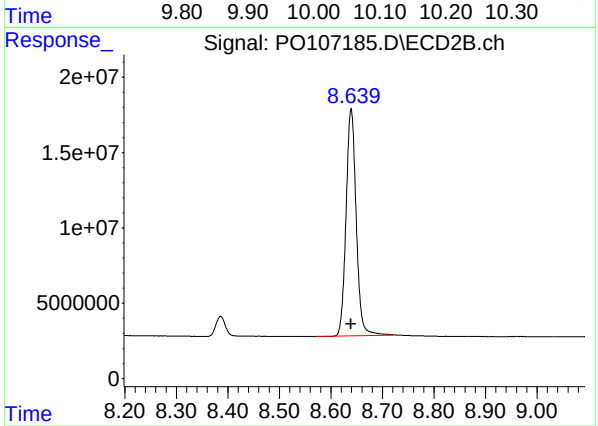

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 250385446
Conc: 74.76 ng/ml



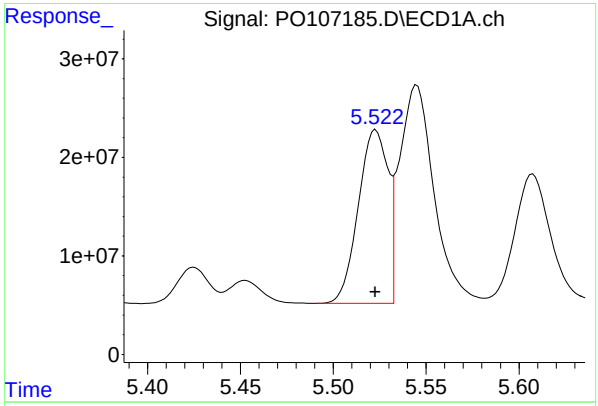

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 182035419
Conc: 72.92 ng/ml




#2 Decachlorobiphenyl

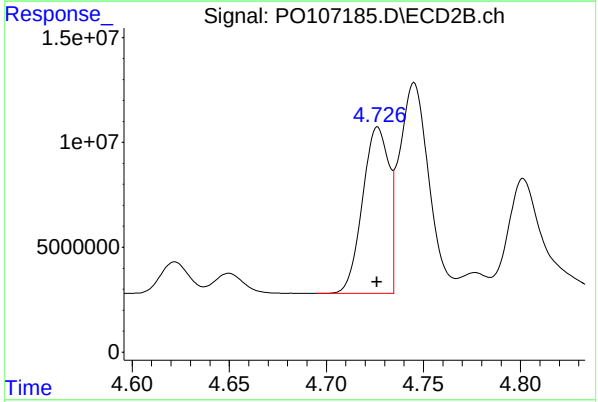
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 205929949
Conc: 73.95 ng/ml




#3 AR-1016-1

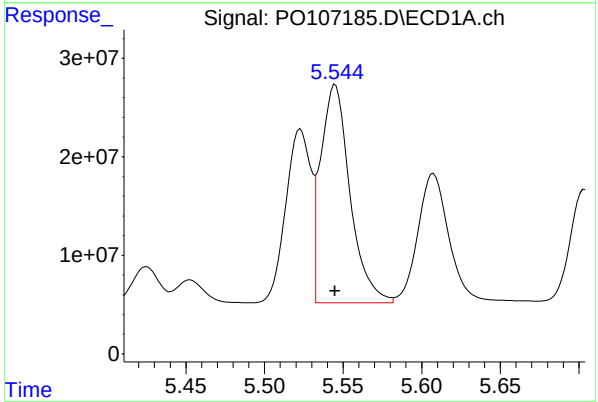
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 196277150
Conc: 721.77 ng/ml

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



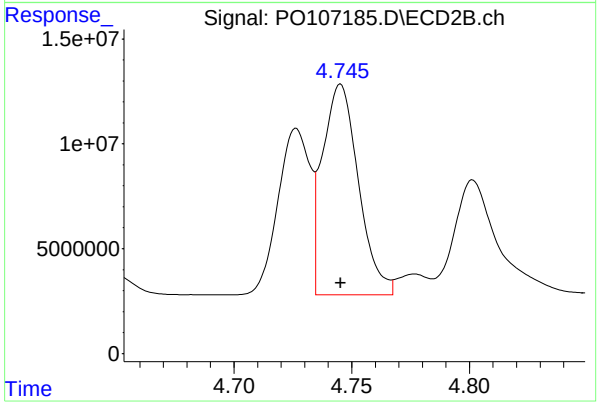

#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 74951057
Conc: 731.00 ng/ml



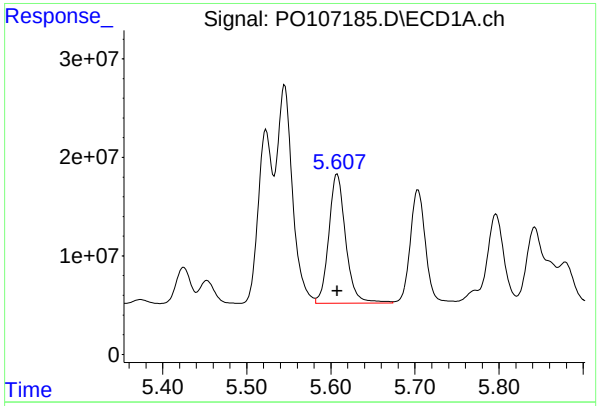

#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 287271437
Conc: 721.99 ng/ml




#4 AR-1016-2

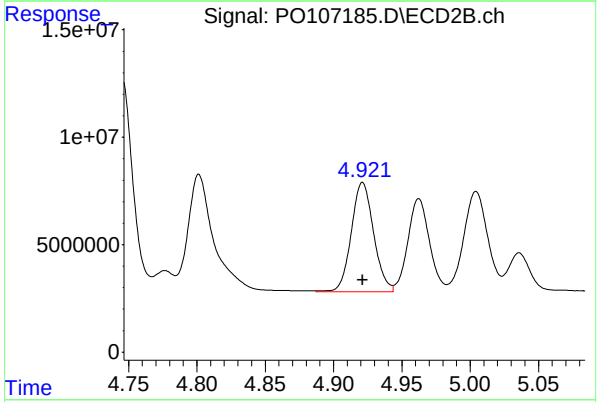
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 107063566
Conc: 741.87 ng/ml




#5 AR-1016-3

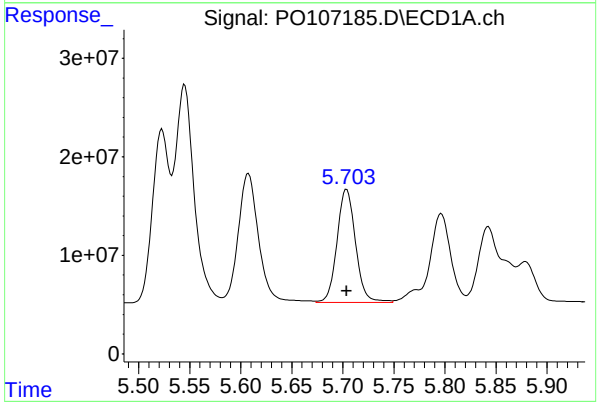
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 183108937
Conc: 713.66 ng/ml

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



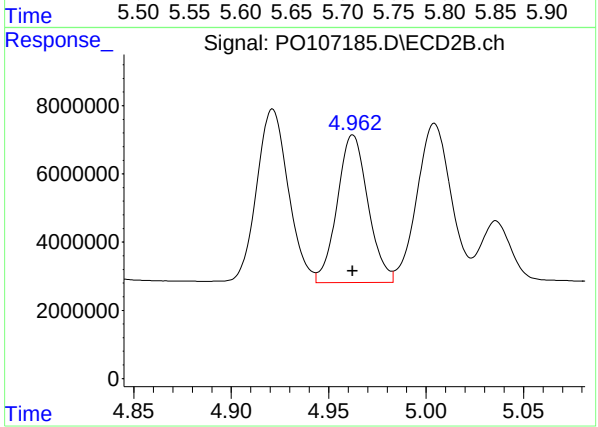

#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 57833586
Conc: 733.94 ng/ml



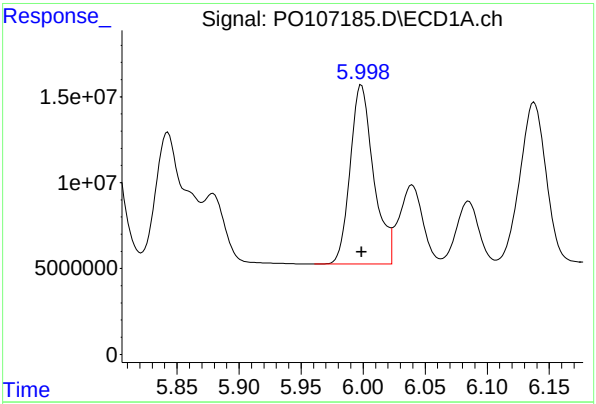

#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 145386468
Conc: 716.32 ng/ml




#6 AR-1016-4

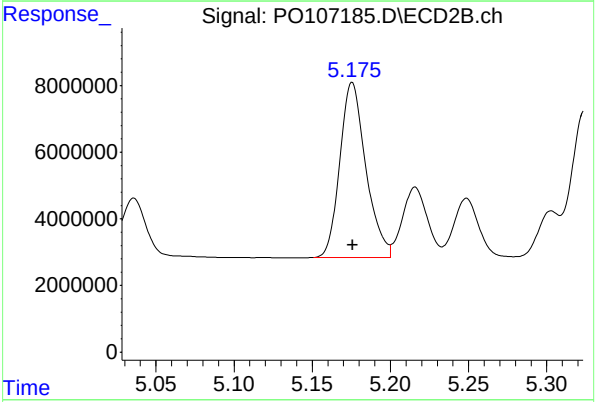
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 47559823
Conc: 724.91 ng/ml




#7 AR-1016-5

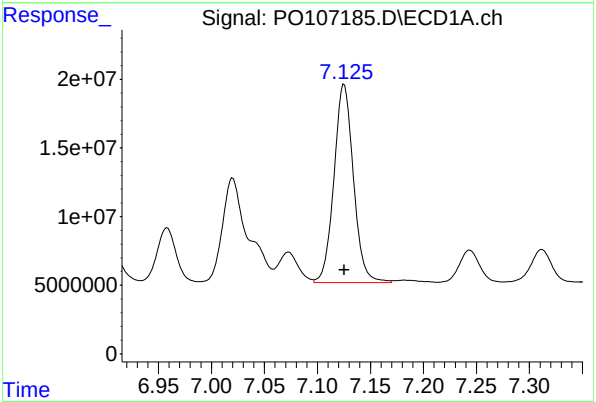
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 136606449
Conc: 713.39 ng/ml

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



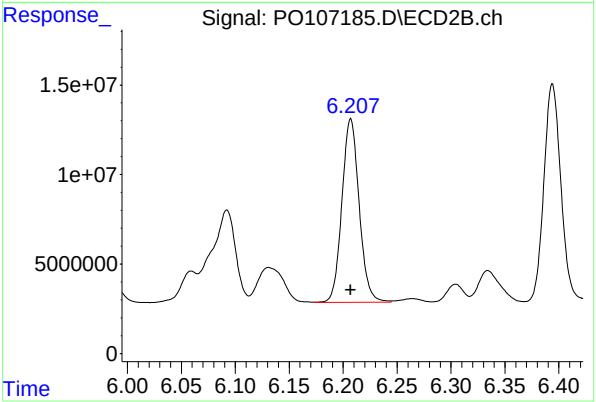

#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 60728146
Conc: 727.09 ng/ml



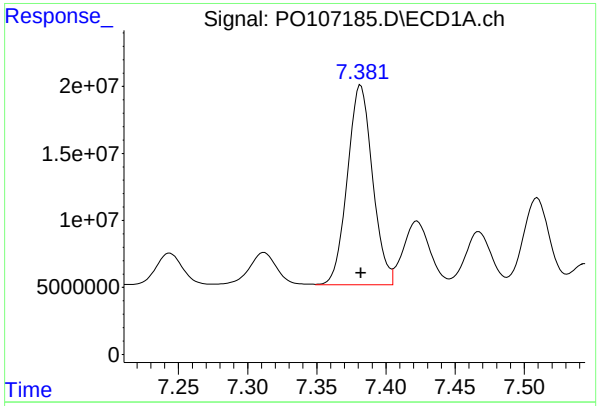

#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 184873238
Conc: 713.37 ng/ml




#31 AR-1260-1

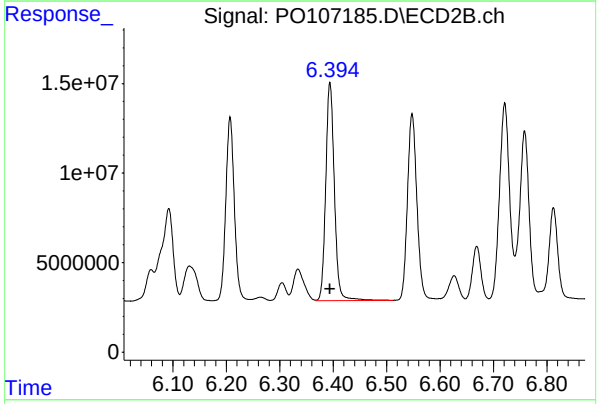
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 114022629
Conc: 735.01 ng/ml




#32 AR-1260-2

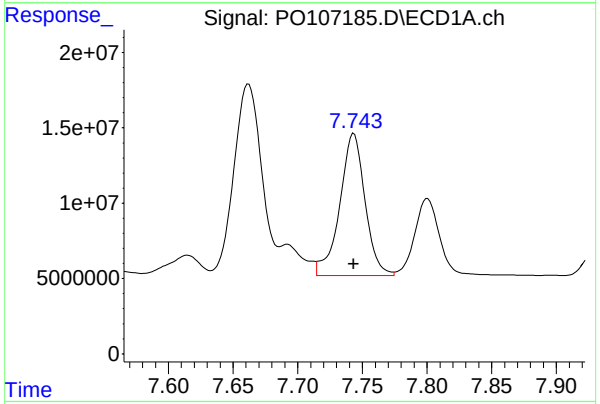
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 188810389
Conc: 714.96 ng/ml

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



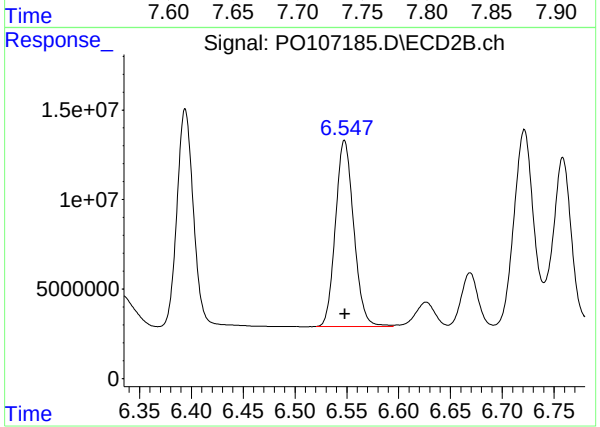

#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 136144993
Conc: 739.50 ng/ml



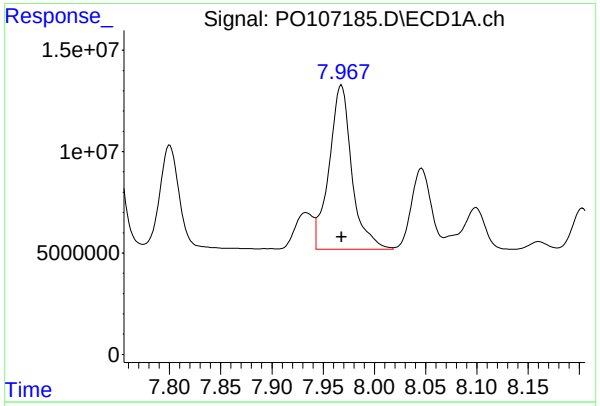

#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 128670097
Conc: 708.96 ng/ml




#33 AR-1260-3

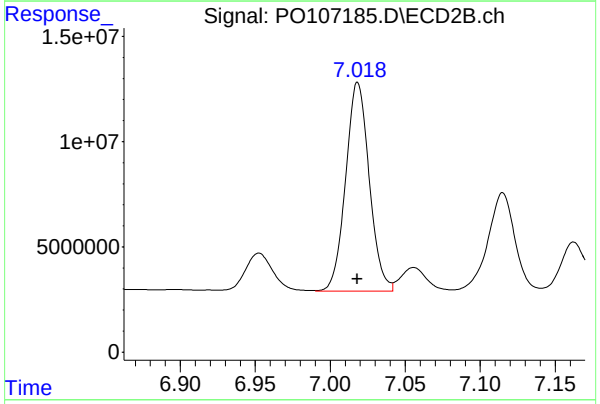
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 127719255
Conc: 742.09 ng/ml




#34 AR-1260-4

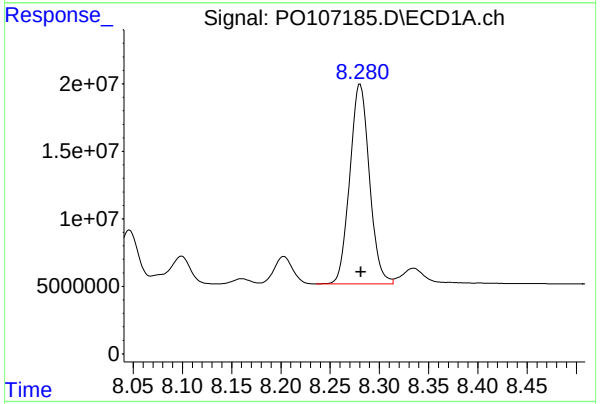
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 125249950
Conc: 714.53 ng/ml

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



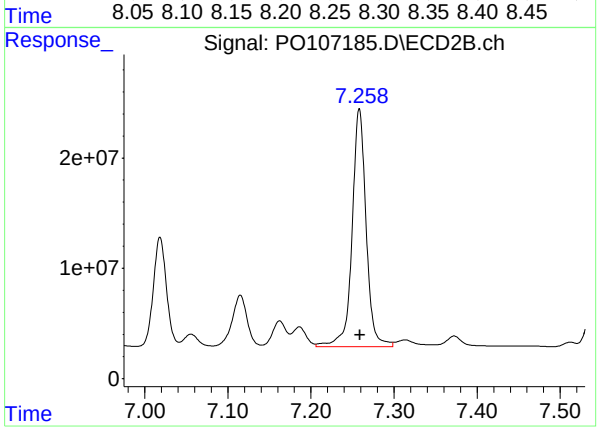

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 108671347
Conc: 738.68 ng/ml




#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 205217871
Conc: 725.06 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 254837085
Conc: 756.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
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: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.374 | 3.645 | 464.3E6 | 167.5E6 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.058 | 8.639 | 124.8E6 | 139.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.523 | 4.726 | 136.0E6 | 51266401 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.545 | 4.745 | 198.9E6 | 72157971 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 5.607 | 4.921 | 128.3E6 | 39399514 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 5.704 | 4.962 | 101.5E6 | 32803861 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 5.999 | 5.176 | 95743965 | 41761334 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.126 | 6.207 | 129.6E6 | 77565878 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.382 | 6.394 | 132.0E6 | 92052145 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 7.743 | 6.548 | 90745881 | 86054054 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 7.968 | 7.018 | 87644858 | 73557583 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.281 | 7.259 | 141.5E6 | 168.4E6 | 500.000 | 500.000 |

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

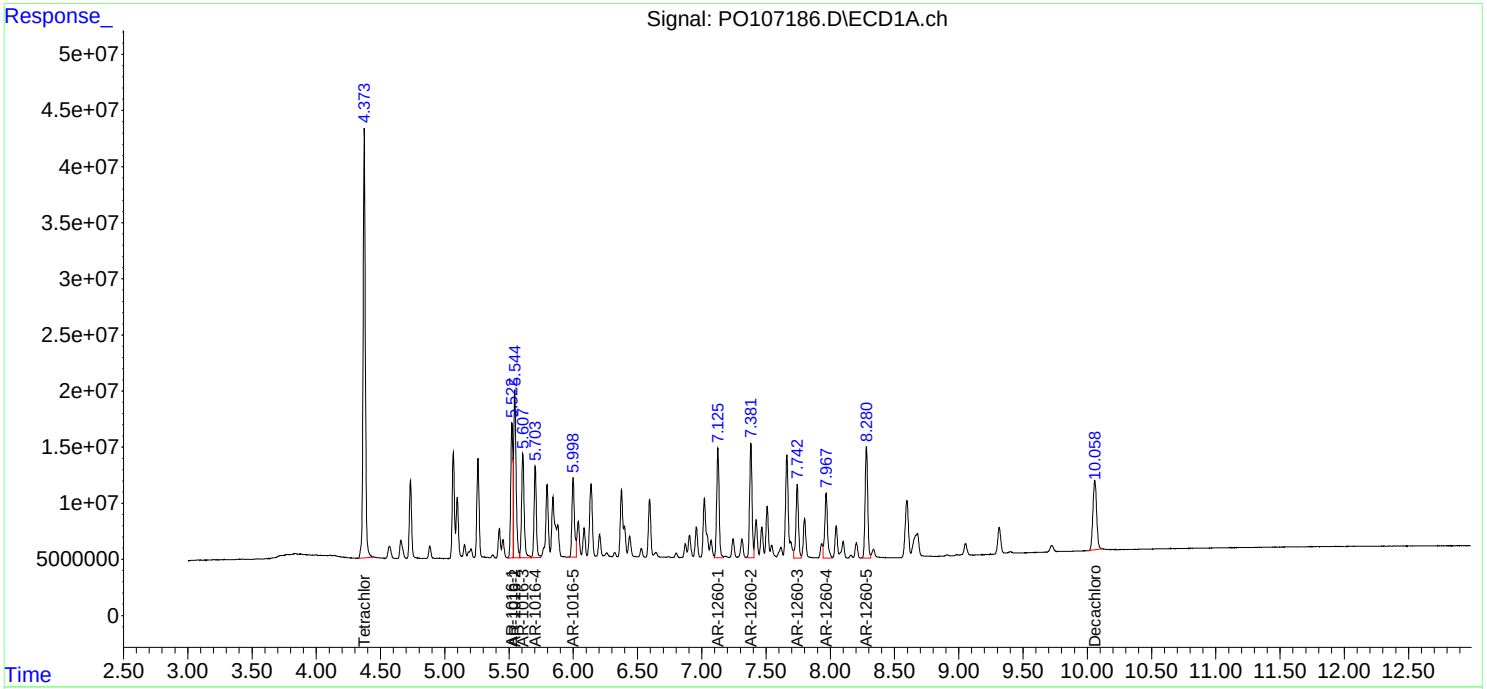
ICAL Form

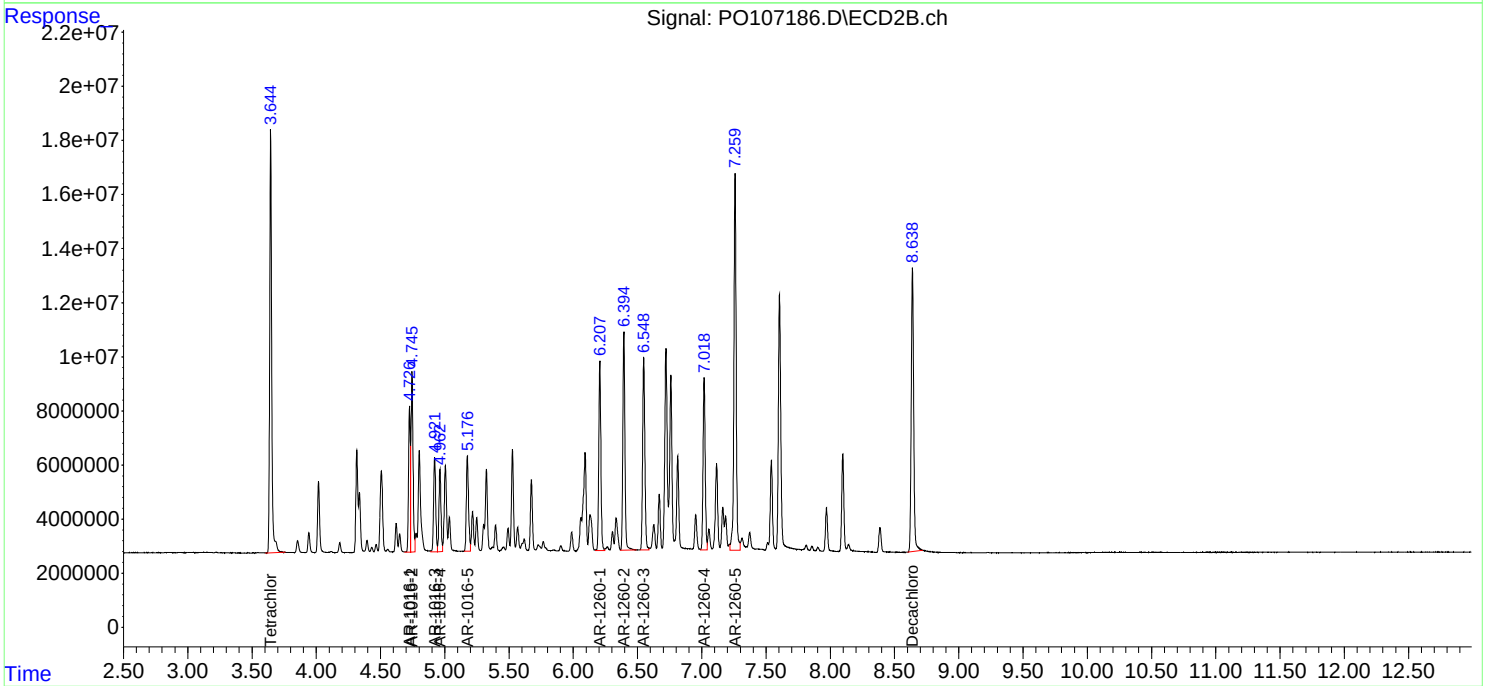
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:03
Operator : YP/AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

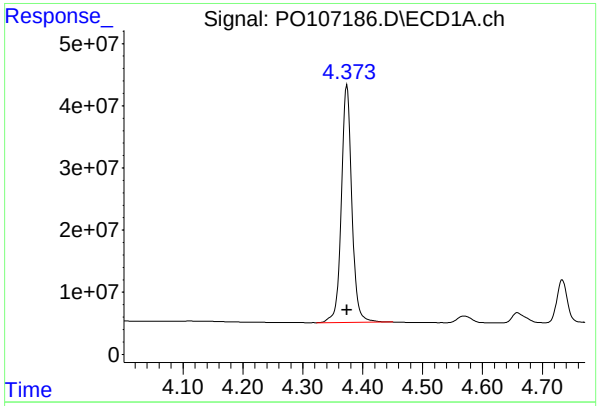
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



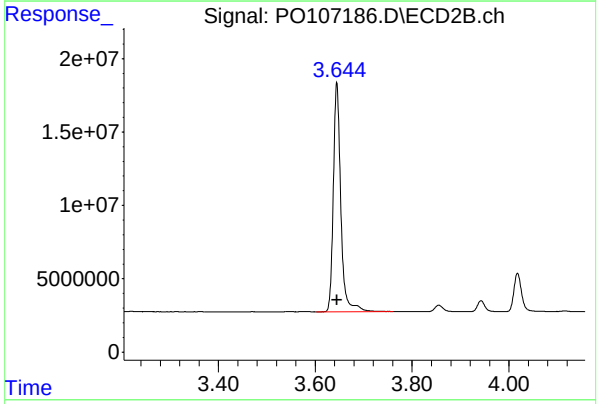






#1 Tetrachloro-m-xylene

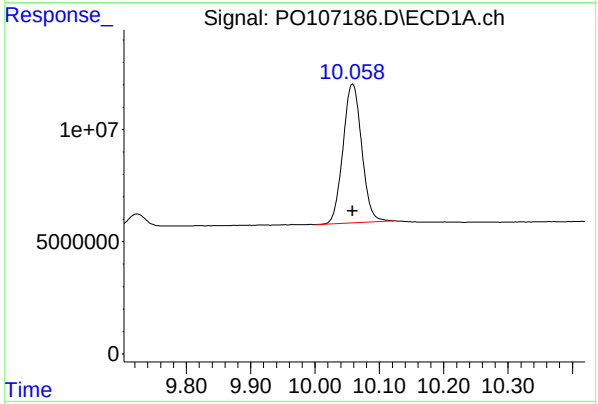
R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 464288143
Conc: 50.00 ng/ml

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



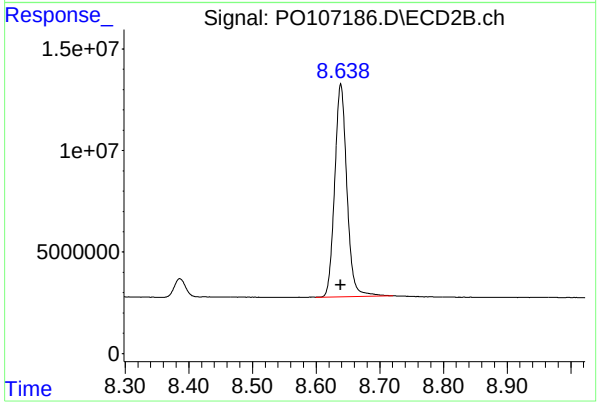

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 167453262
Conc: 50.00 ng/ml



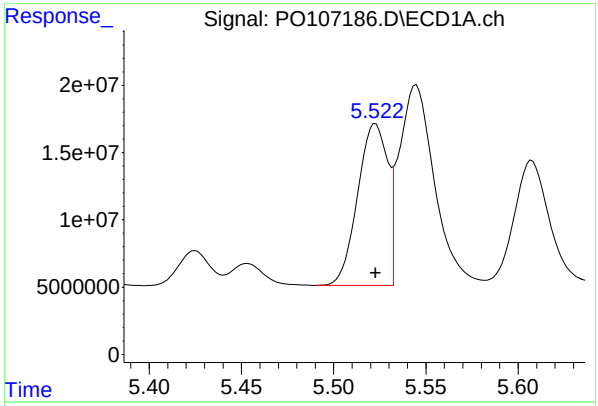

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 124823950
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

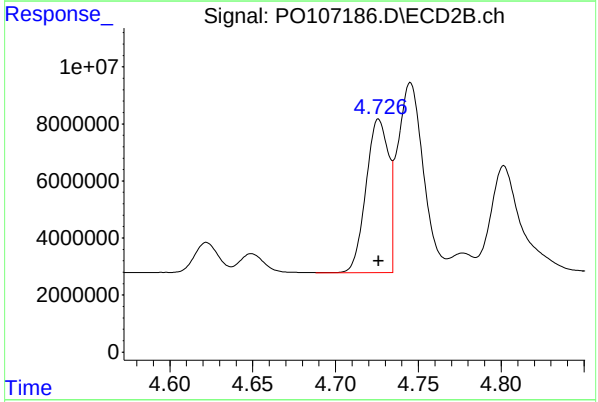
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 139239645
Conc: 50.00 ng/ml




#3 AR-1016-1

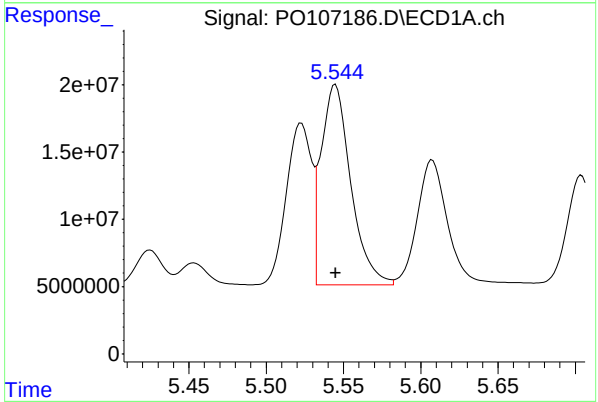
R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 135969538
Conc: 500.00 ng/ml

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



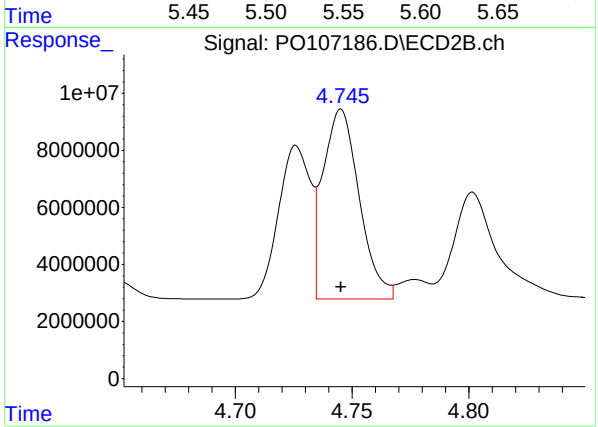

#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51266401
Conc: 500.00 ng/ml



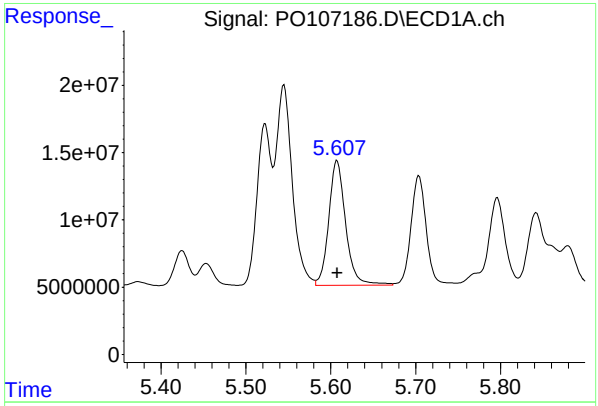

#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 198943676
Conc: 500.00 ng/ml




#4 AR-1016-2

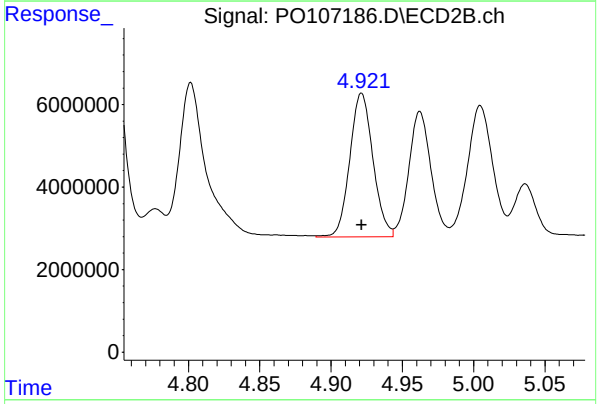
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72157971
Conc: 500.00 ng/ml




#5 AR-1016-3

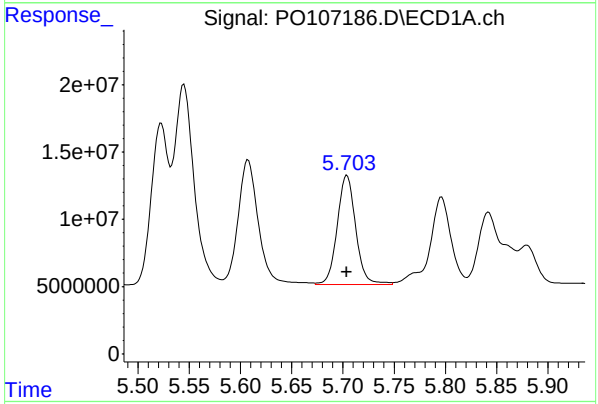
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 128287877
Conc: 500.00 ng/ml

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



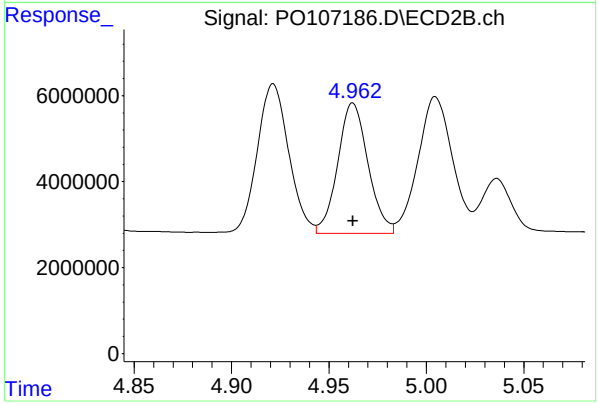

#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 39399514
Conc: 500.00 ng/ml



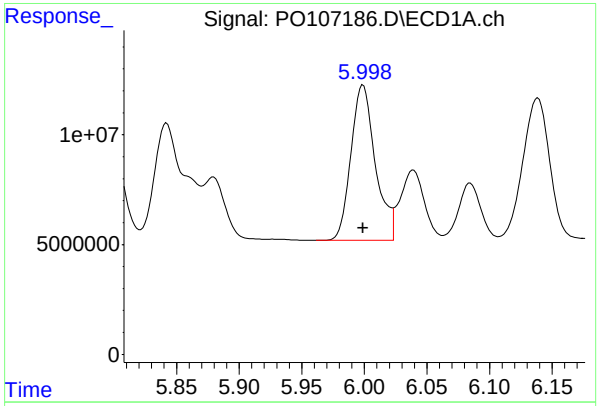

#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 101481951
Conc: 500.00 ng/ml




#6 AR-1016-4

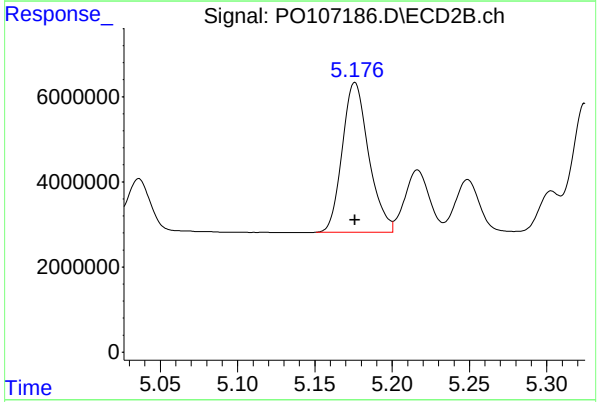
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 32803861
Conc: 500.00 ng/ml




#7 AR-1016-5

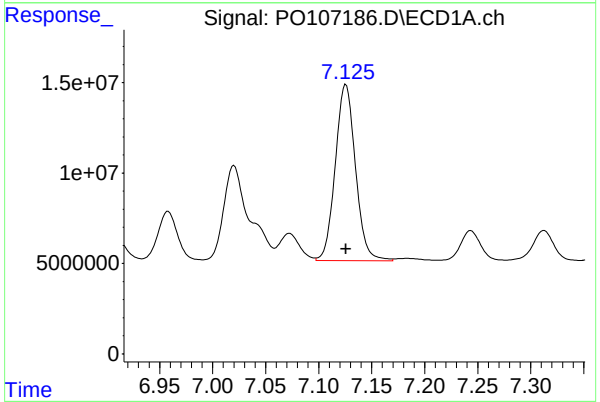
R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 95743965
Conc: 500.00 ng/ml

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



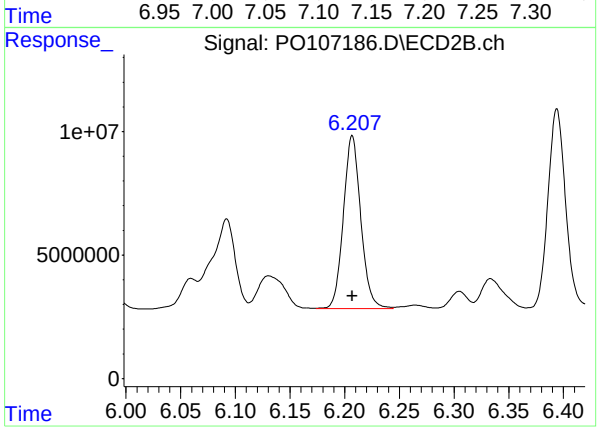

#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 41761334
Conc: 500.00 ng/ml



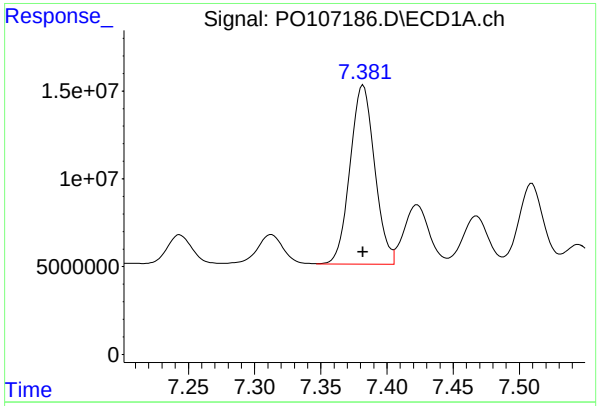

#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 129577987
Conc: 500.00 ng/ml




#31 AR-1260-1

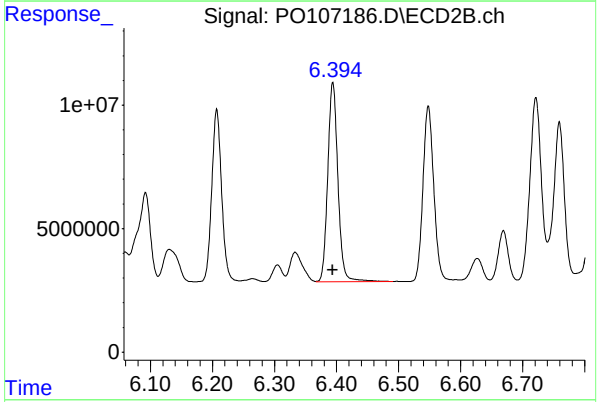
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 77565878
Conc: 500.00 ng/ml




#32 AR-1260-2

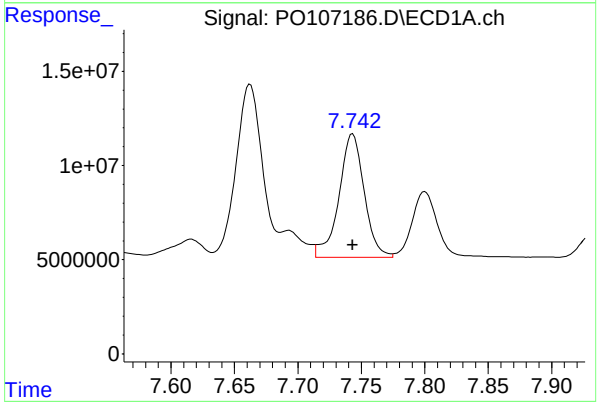
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 132041756
Conc: 500.00 ng/ml

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



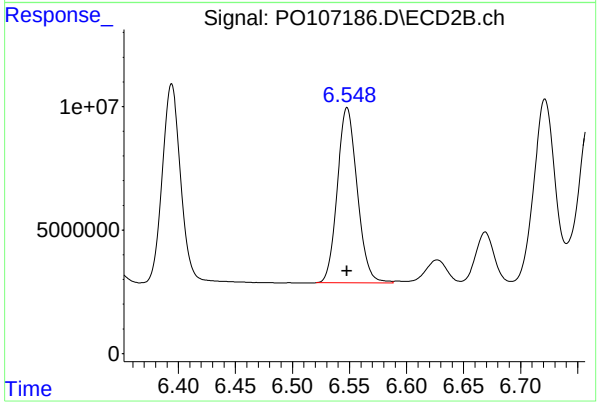

#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92052145
Conc: 500.00 ng/ml



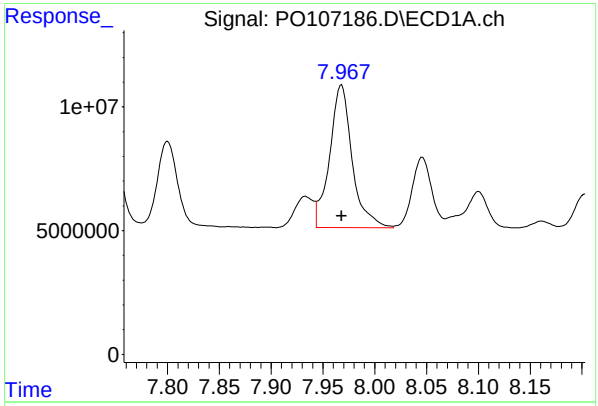

#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 90745881
Conc: 500.00 ng/ml




#33 AR-1260-3

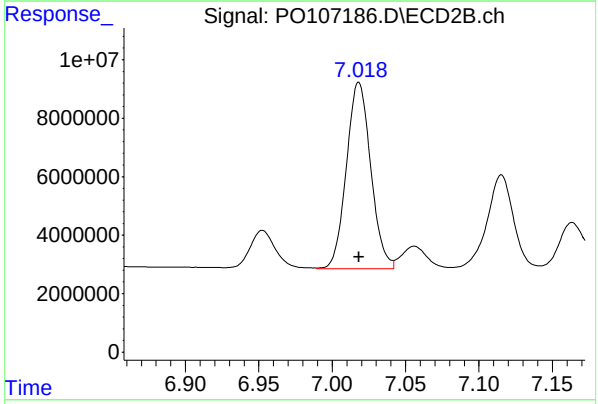
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 86054054
Conc: 500.00 ng/ml




#34 AR-1260-4

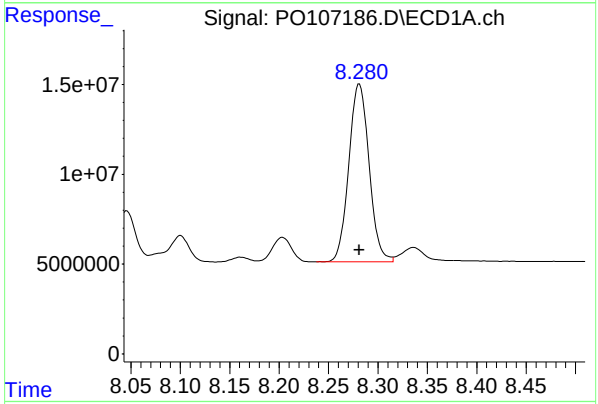
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 87644858
Conc: 500.00 ng/ml

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



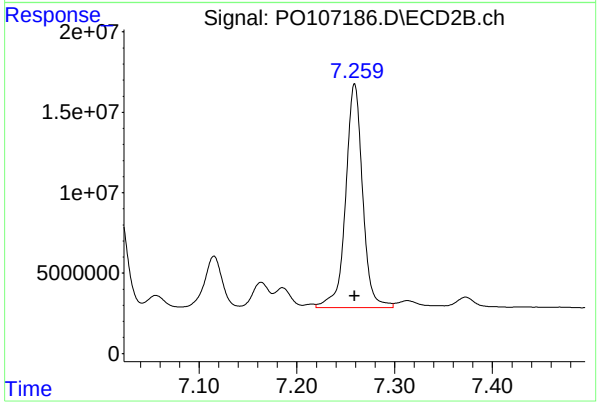

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73557583
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 141517947
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 168398358
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
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: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 238.7E6 | 80767902 | 25.706 | 24.117 |
| 2) | SA Decachlor... | 10.059 | 8.640 | 65095686 | 71320716 | 26.075 | 25.611 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.522 | 4.727 | 72779622 | 26650346 | 267.632 | 259.920 |
| 4) | L1 AR-1016-2 | 5.544 | 4.746 | 104.8E6 | 36719388 | 263.313 | 254.438 |
| 5) | L1 AR-1016-3 | 5.606 | 4.921 | 69101416 | 20445837 | 269.322 | 259.468 |
| 6) | L1 AR-1016-4 | 5.704 | 4.962 | 53770388 | 17391092 | 264.926 | 265.077 |
| 7) | L1 AR-1016-5 | 5.998 | 5.176 | 50878723 | 21735247 | 265.702 | 260.232 |
| 31) | L7 AR-1260-1 | 7.124 | 6.207 | 69305169 | 40485591 | 267.426 | 260.976 |
| 32) | L7 AR-1260-2 | 7.381 | 6.394 | 71054115 | 47434059 | 269.059 | 257.648 |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 48784517 | 43997886 | 268.797 | 255.641 |
| 34) | L7 AR-1260-4 | 7.966 | 7.018 | 46895508 | 37628553 | 267.531 | 255.776 |
| 35) | L7 AR-1260-5 | 8.281 | 7.259 | 74817853 | 85097988 | 264.341 | 252.669 |

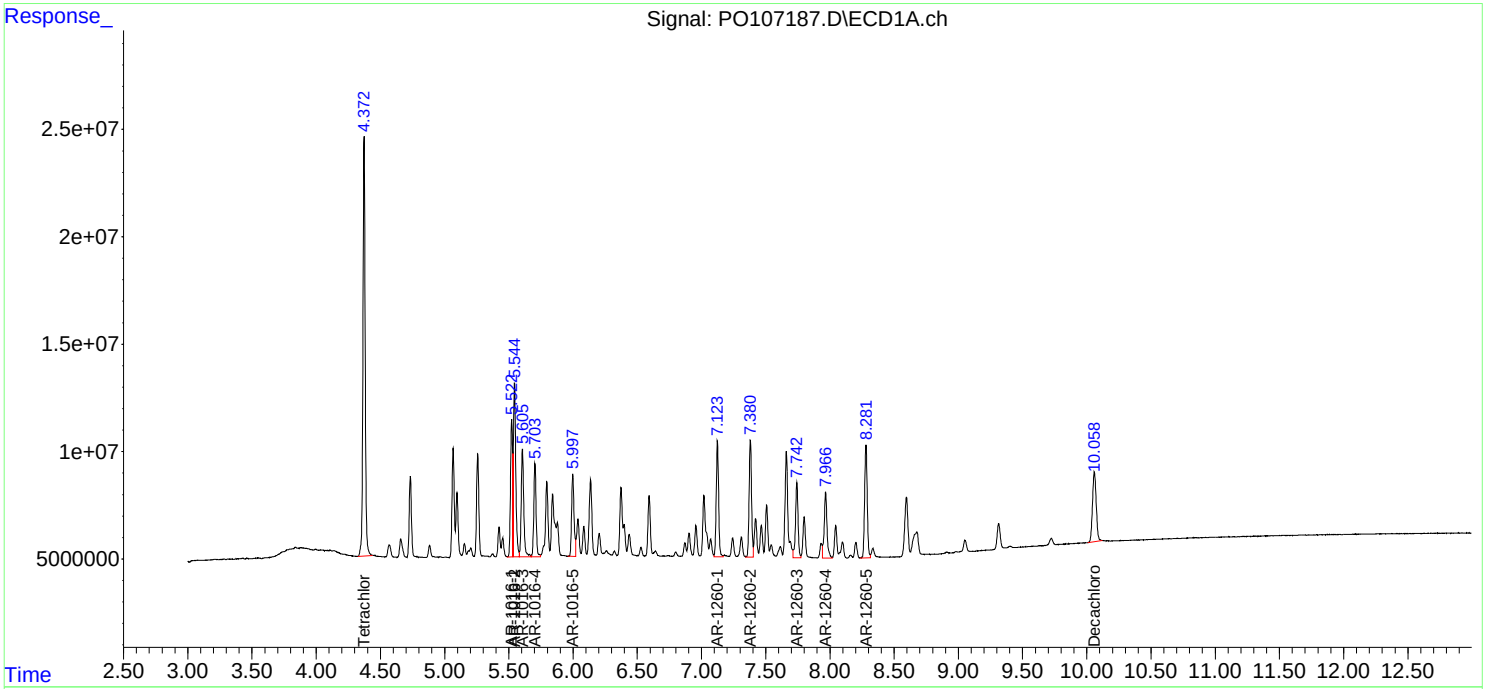
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

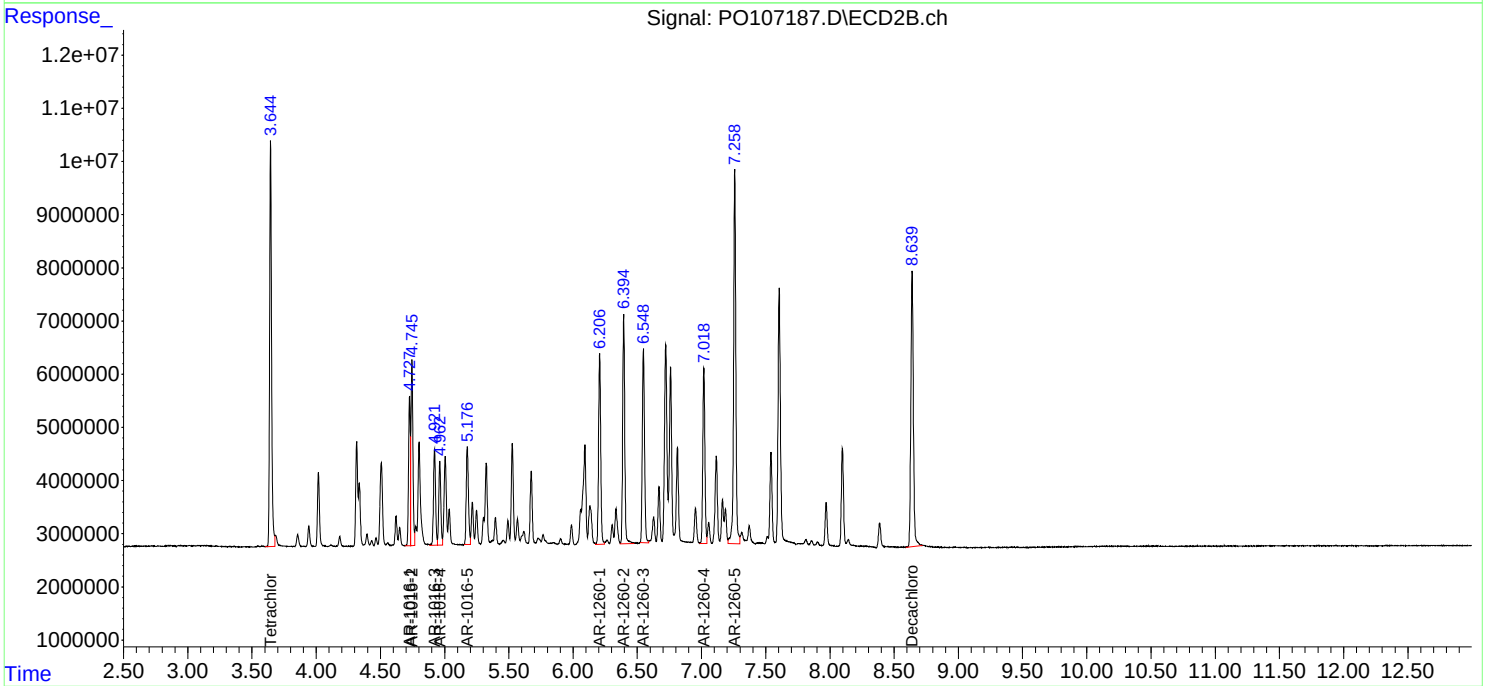
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:21
Operator : YP/AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

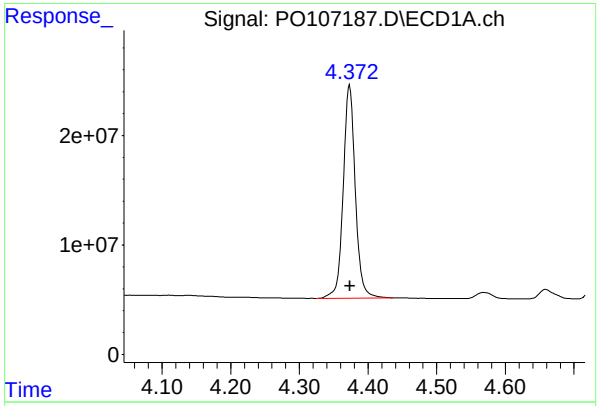
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:25:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



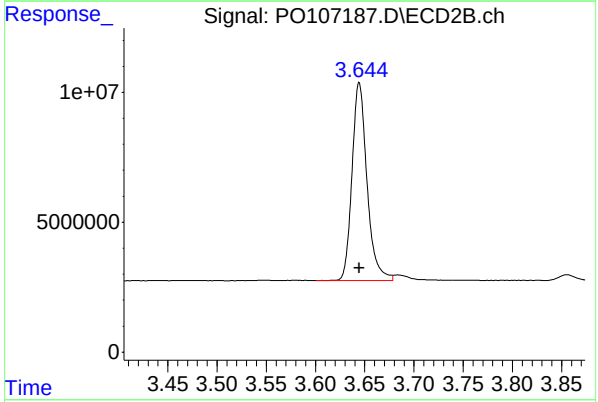






#1 Tetrachloro-m-xylene

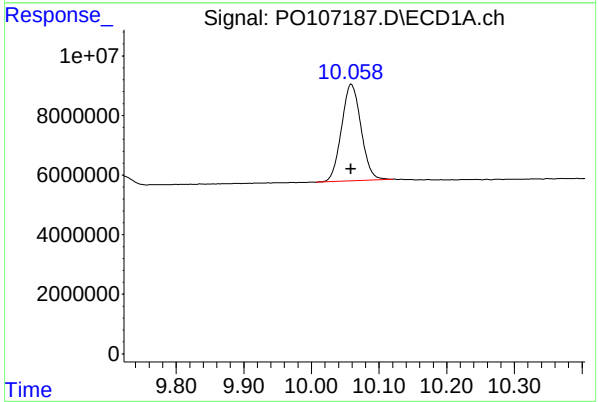
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 238700157
Conc: 25.71 ng/ml

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



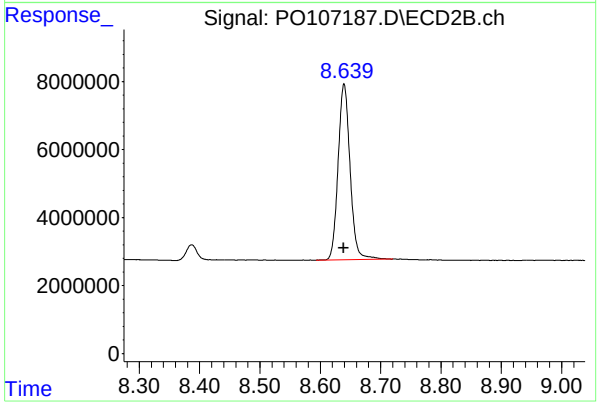

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 80767902
Conc: 24.12 ng/ml



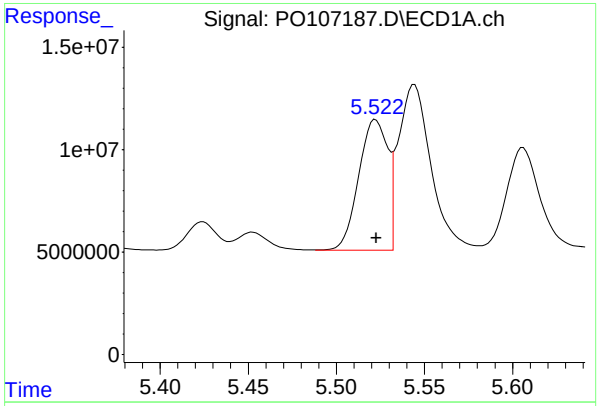

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 65095686
Conc: 26.07 ng/ml




#2 Decachlorobiphenyl

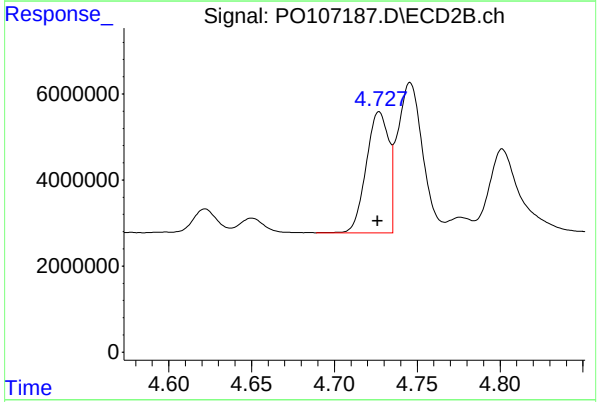
R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 71320716
Conc: 25.61 ng/ml




#3 AR-1016-1

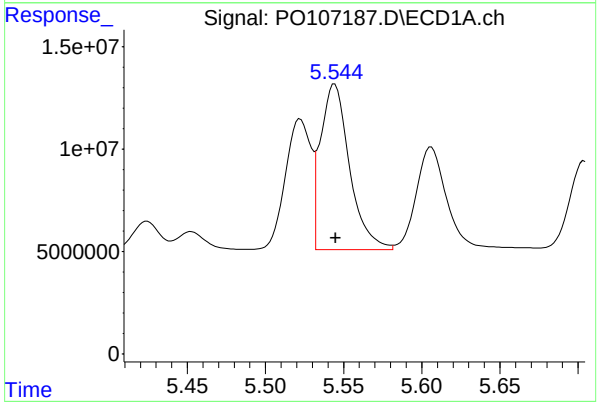
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 72779622
Conc: 267.63 ng/ml

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



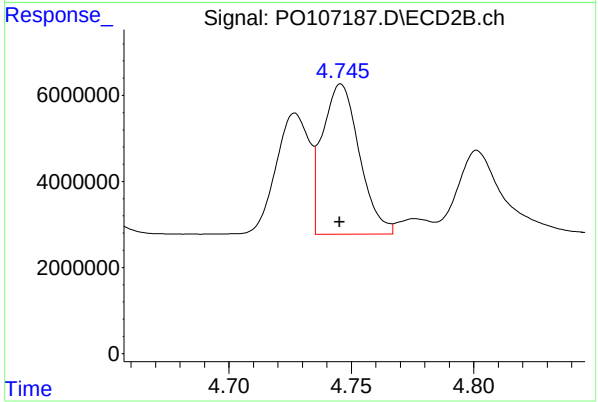

#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 26650346
Conc: 259.92 ng/ml



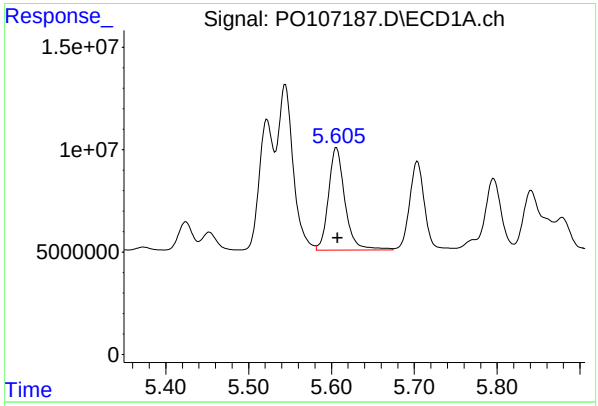

#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 104768827
Conc: 263.31 ng/ml




#4 AR-1016-2

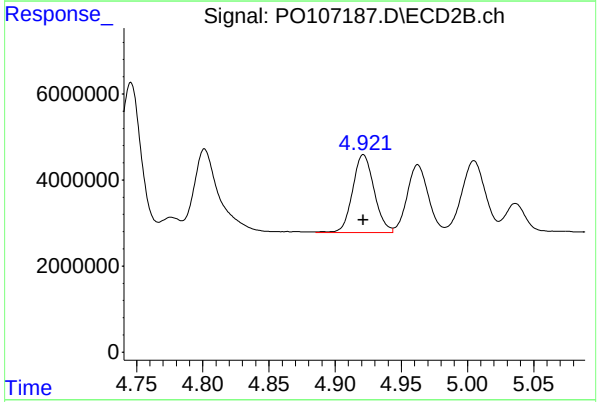
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 36719388
Conc: 254.44 ng/ml




#5 AR-1016-3

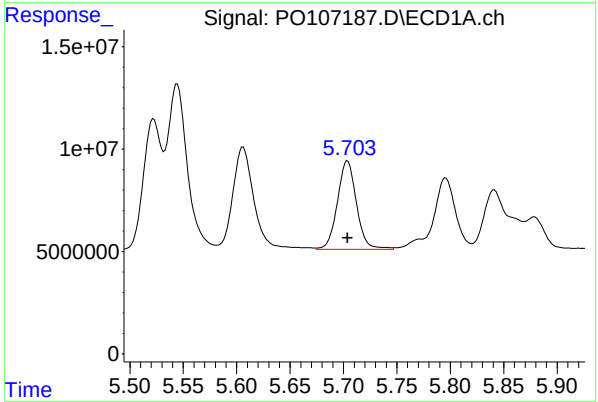
R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 69101416
Conc: 269.32 ng/ml

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



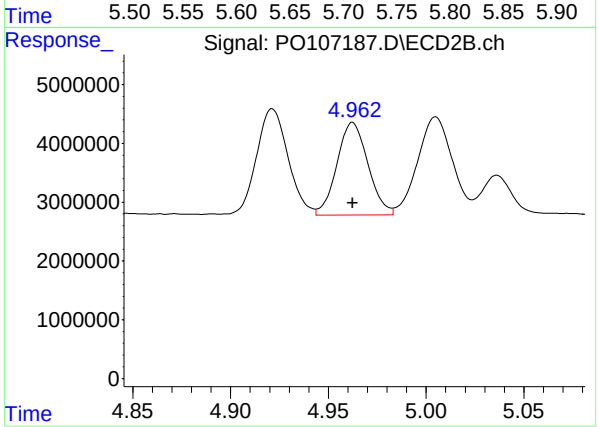

#5 AR-1016-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 20445837
Conc: 259.47 ng/ml



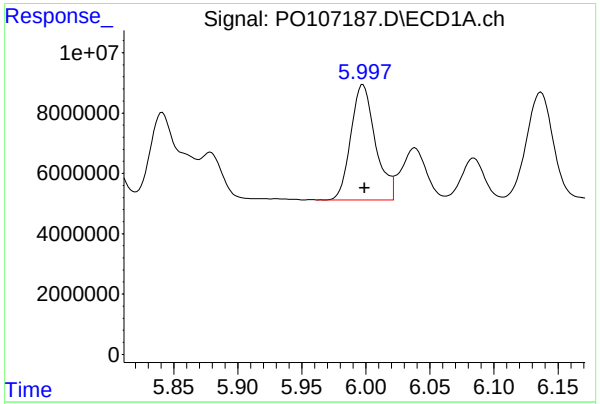

#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 53770388
Conc: 264.93 ng/ml




#6 AR-1016-4

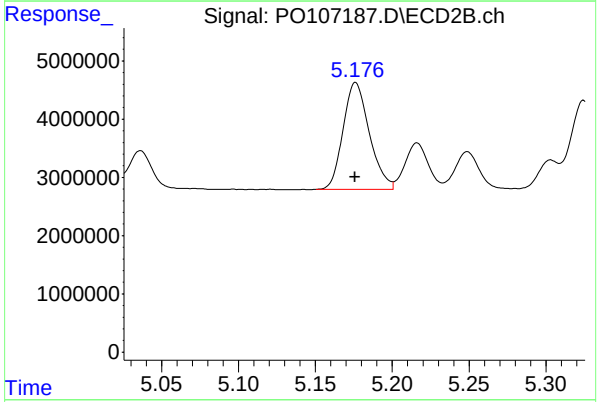
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 17391092
Conc: 265.08 ng/ml




#7 AR-1016-5

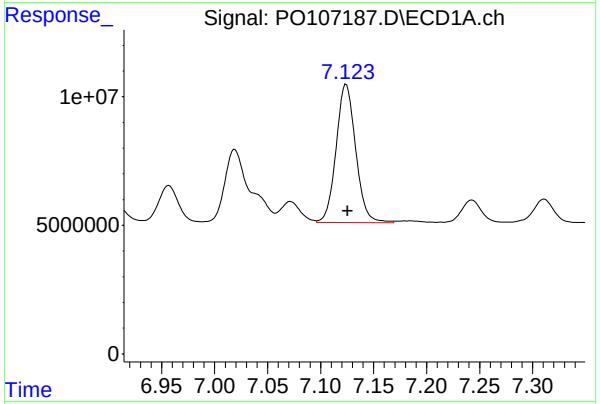
R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 50878723
Conc: 265.70 ng/ml

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



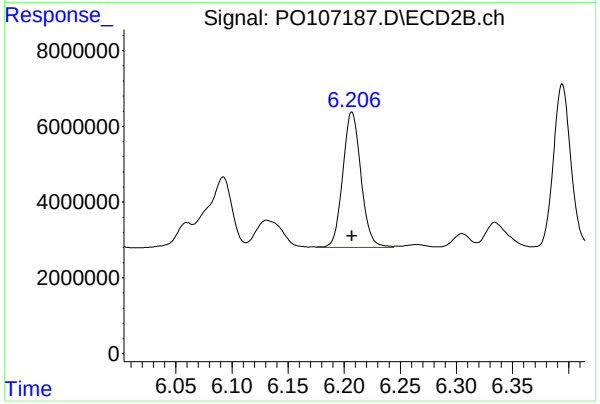

#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 21735247
Conc: 260.23 ng/ml



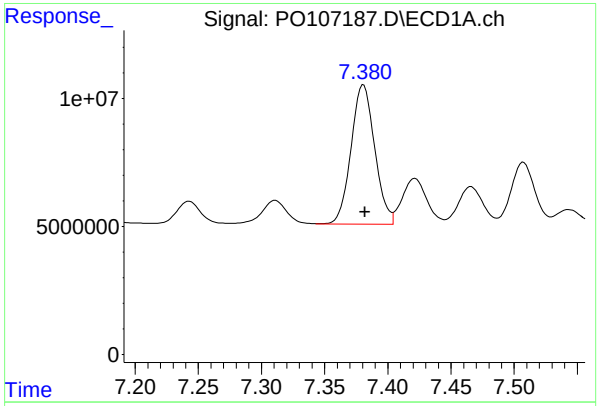

#31 AR-1260-1

R.T.: 7.124 min
Delta R.T.: -0.002 min
Response: 69305169
Conc: 267.43 ng/ml




#31 AR-1260-1

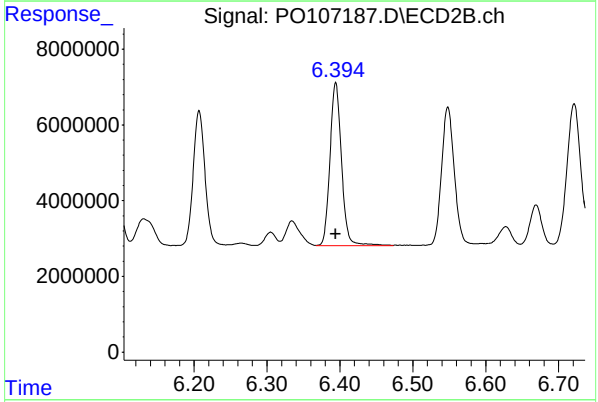
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 40485591
Conc: 260.98 ng/ml




#32 AR-1260-2

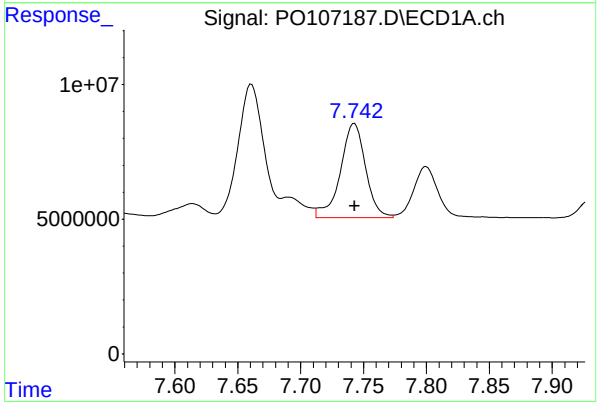
R.T.: 7.381 min
Delta R.T.: -0.001 min
Response: 71054115
Conc: 269.06 ng/ml

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



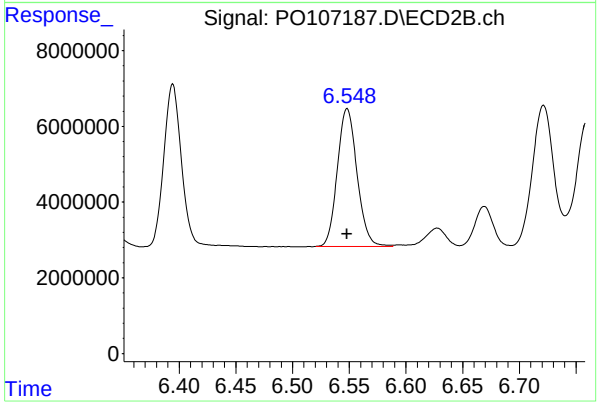

#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 47434059
Conc: 257.65 ng/ml



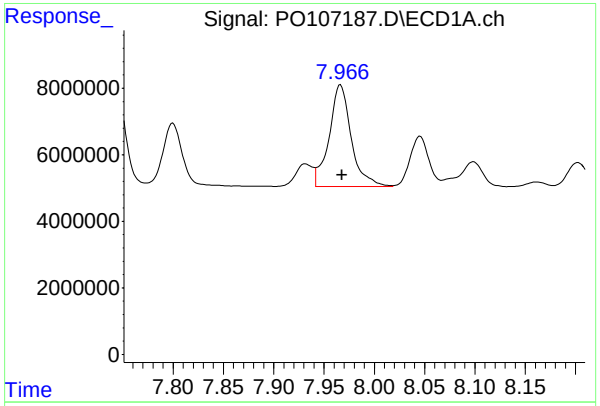

#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 48784517
Conc: 268.80 ng/ml




#33 AR-1260-3

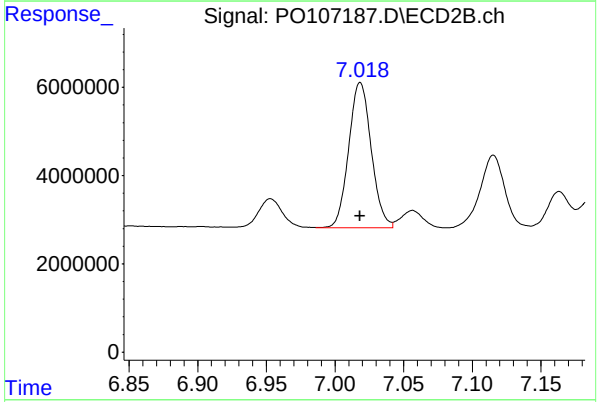
R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 43997886
Conc: 255.64 ng/ml




#34 AR-1260-4

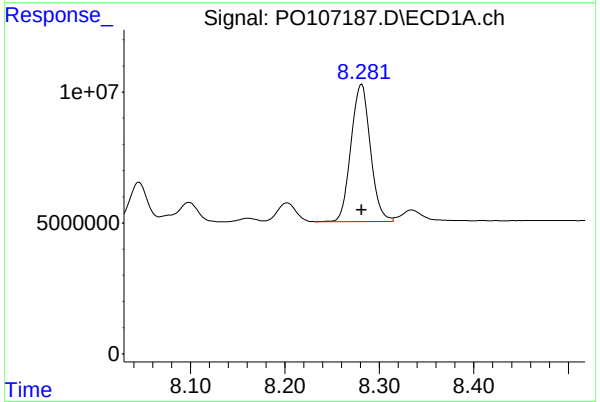
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 46895508
Conc: 267.53 ng/ml

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



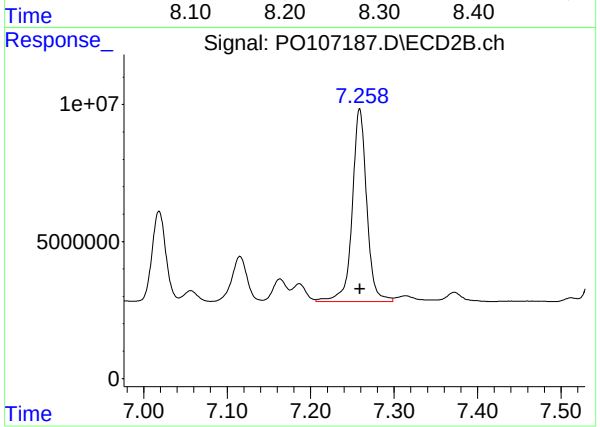

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 37628553
Conc: 255.78 ng/ml




#35 AR-1260-5

R.T.: 8.281 min
Delta R.T.: 0.000 min
Response: 74817853
Conc: 264.34 ng/ml




#35 AR-1260-5

R.T.: 7.259 min
Delta R.T.: 0.000 min
Response: 85097988
Conc: 252.67 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.374 | 3.644 | 43726312 | 14311070 | 4.709 | 4.273 |
| 2) | SA Decachlor... | 10.060 | 8.639 | 11883434 | 12970025 | 4.760 | 4.657m |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.523 | 4.727 | 13611471 | 5437001 | 50.053 | 53.027 |
| 4) | L1 AR-1016-2 | 5.544 | 4.745 | 20533666 | 6518003 | 51.607 | 45.165 |
| 5) | L1 AR-1016-3 | 5.607 | 4.922 | 12202124 | 4010763 | 47.558 | 50.899 |
| 6) | L1 AR-1016-4 | 5.704 | 4.963 | 8277151 | 3521180 | 40.781 | 53.670 # |
| 7) | L1 AR-1016-5 | 5.999 | 5.176 | 7989825 | 4017833 | 41.725 | 48.105 |
| 31) | L7 AR-1260-1 | 7.125 | 6.207 | 13579378 | 7810910 | 52.398 | 50.350m |
| 32) | L7 AR-1260-2 | 7.380 | 6.395 | 13632543 | 7572896 | 51.622m | 41.134m |
| 33) | L7 AR-1260-3 | 7.743 | 6.548 | 9159133 | 7594706 | 50.466m | 44.128m |
| 34) | L7 AR-1260-4 | 7.967 | 7.019 | 9276106 | 6862107 | 52.919 | 46.644m |
| 35) | L7 AR-1260-5 | 8.280 | 7.258 | 14867575 | 14474674 | 52.529m | 42.977m |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:39
Operator : YP/AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

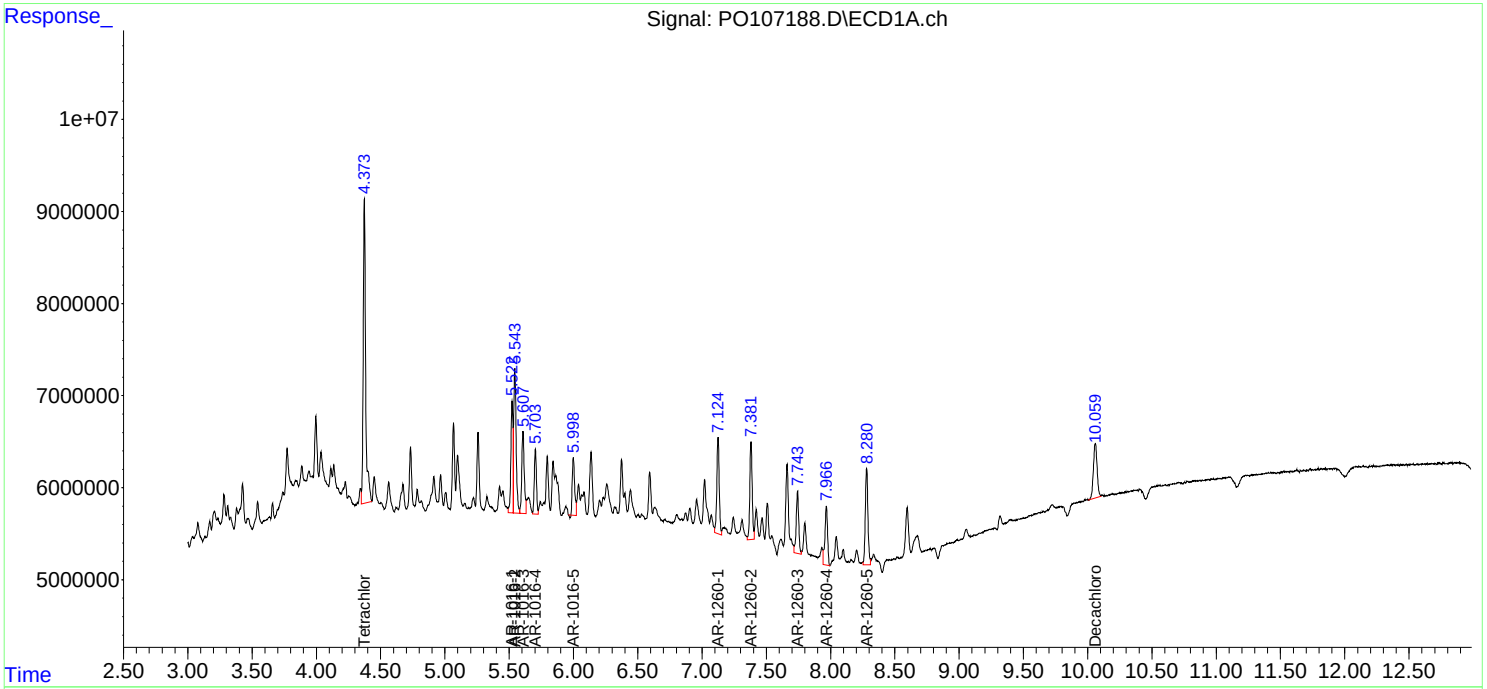
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660ICC050

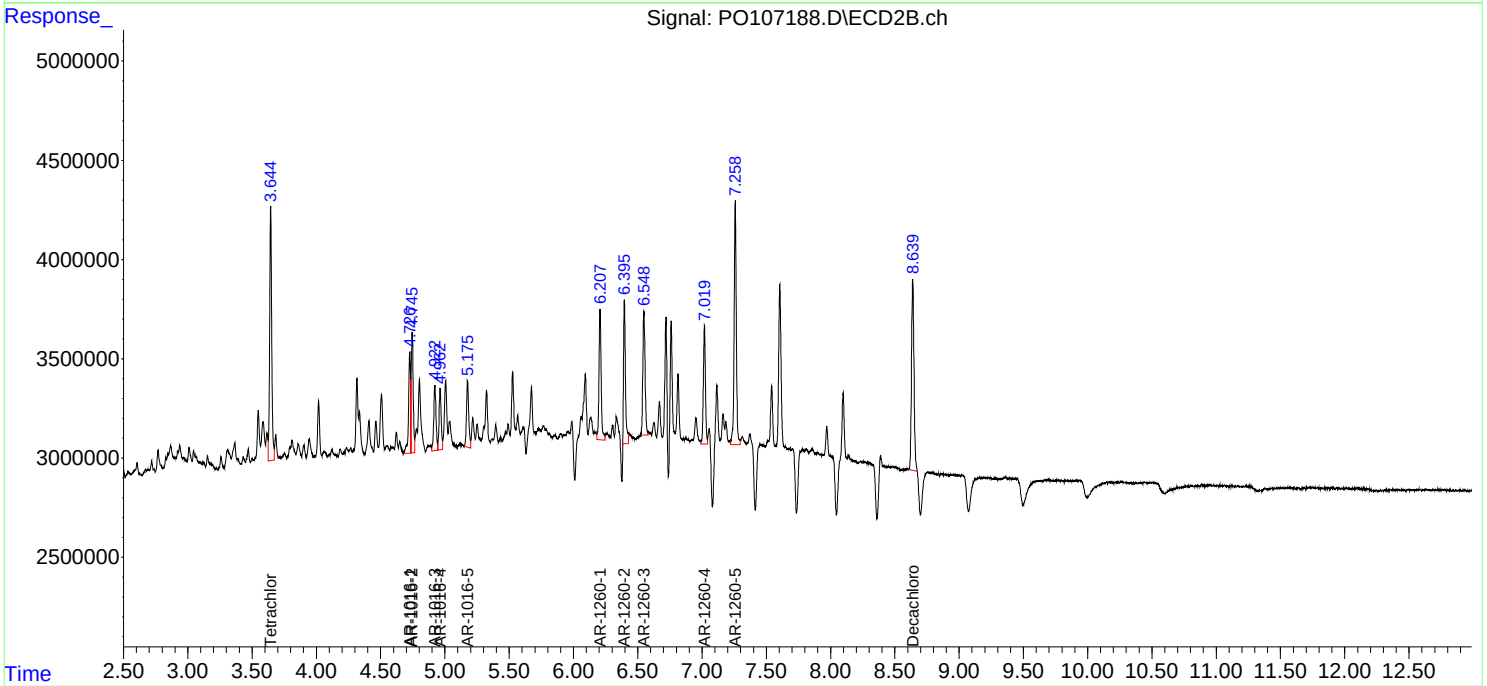
**Manual Integrations APPROVED**

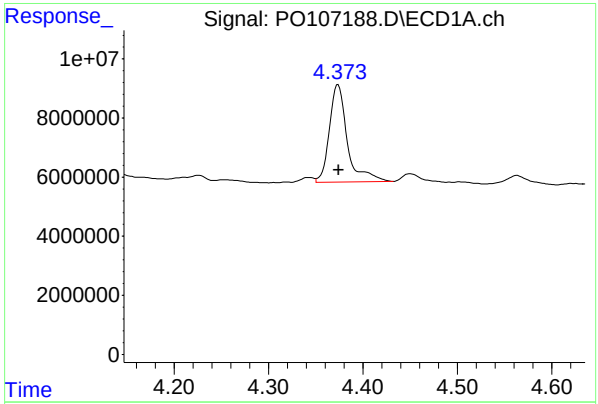
Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:26:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:21:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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





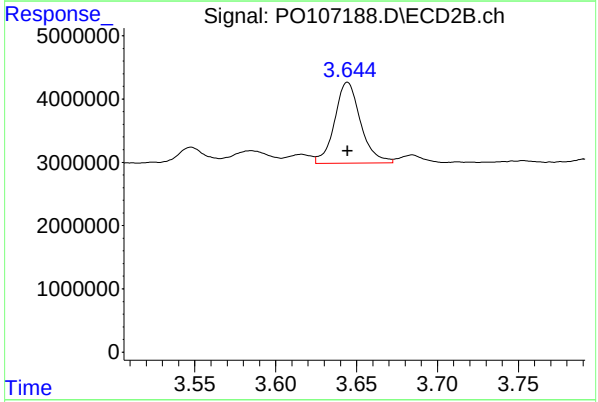

#1 Tetrachloro-m-xylene

R.T.: 4.374 min
Delta R.T.: 0.000 min
Response: 43726312
Conc: 4.71 ng/ml

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

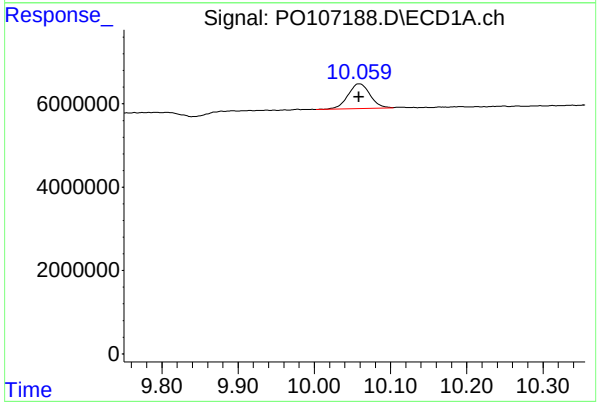
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



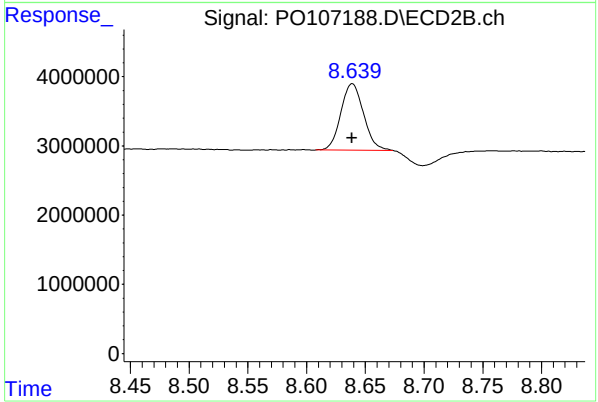

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14311070
Conc: 4.27 ng/ml



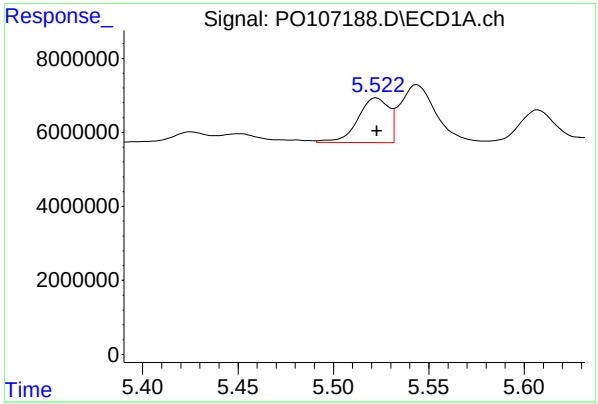

#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.001 min
Response: 11883434
Conc: 4.76 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 12970025
Conc: 4.66 ng/ml m



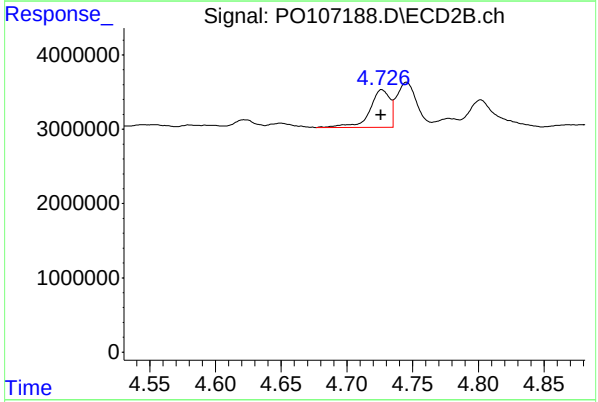

#3 AR-1016-1

R.T.: 5.523 min
Delta R.T.: 0.000 min
Response: 13611471
Conc: 50.05 ng/ml

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

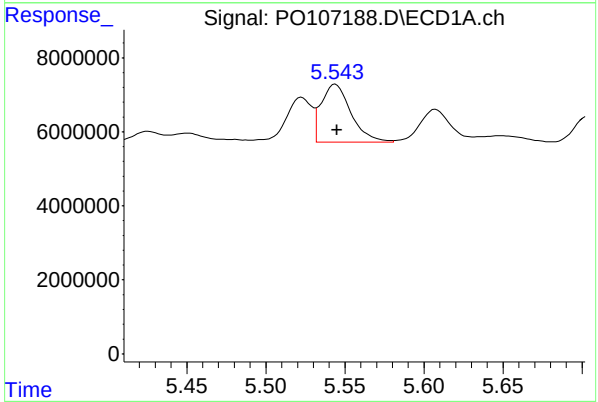
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



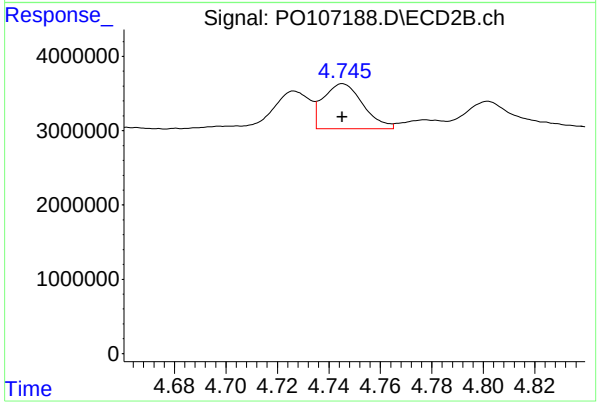

#3 AR-1016-1

R.T.: 4.727 min
Delta R.T.: 0.000 min
Response: 5437001
Conc: 53.03 ng/ml



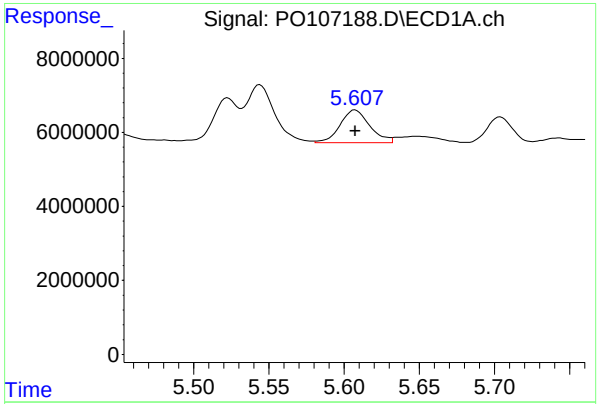

#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 20533666
Conc: 51.61 ng/ml




#4 AR-1016-2

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 6518003
Conc: 45.16 ng/ml



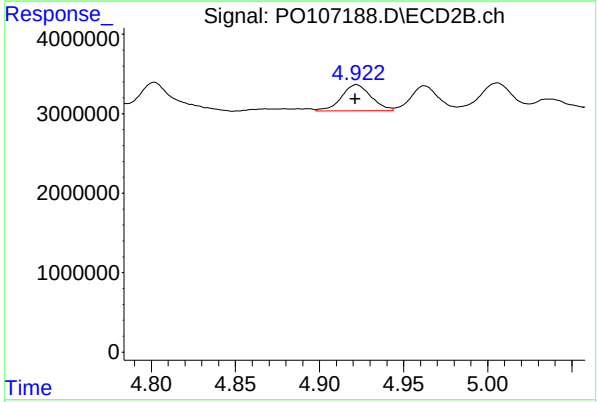

#5 AR-1016-3

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 12202124
Conc: 47.56 ng/ml

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

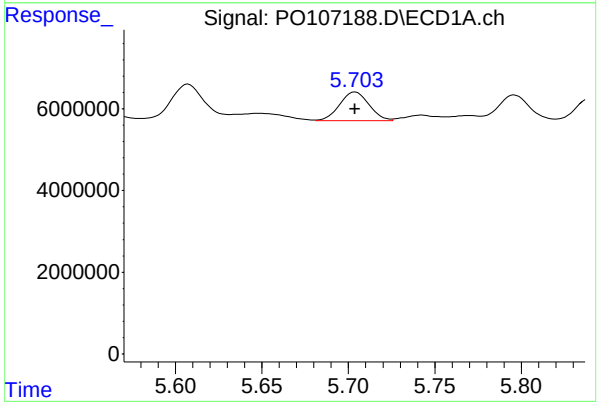
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



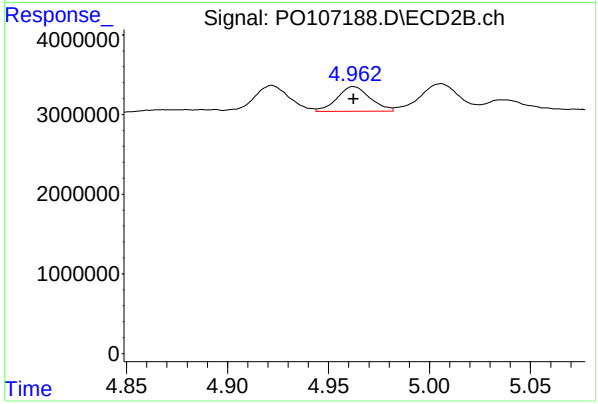

#5 AR-1016-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 4010763
Conc: 50.90 ng/ml



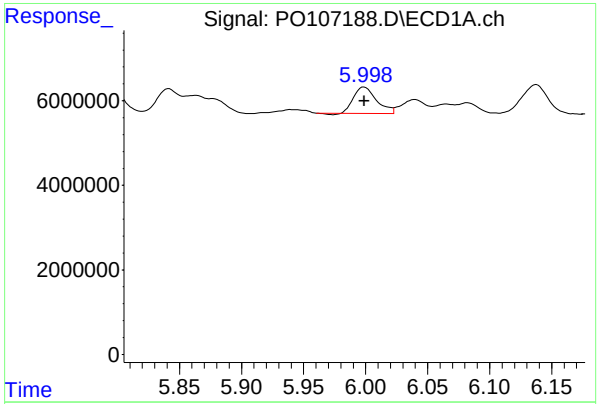

#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 8277151
Conc: 40.78 ng/ml




#6 AR-1016-4

R.T.: 4.963 min
Delta R.T.: 0.000 min
Response: 3521180
Conc: 53.67 ng/ml



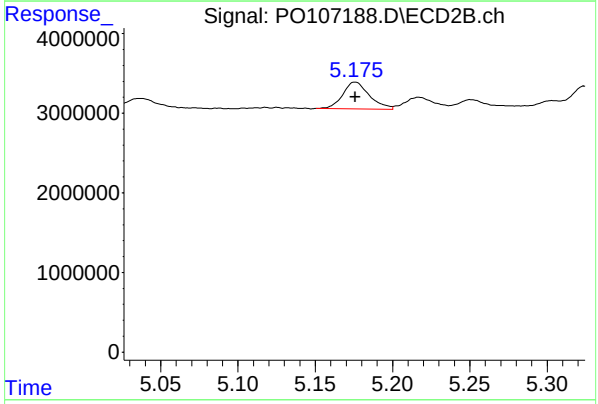

#7 AR-1016-5

R.T.: 5.999 min
Delta R.T.: 0.000 mi
Response: 7989825
Conc: 41.72 ng/m

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

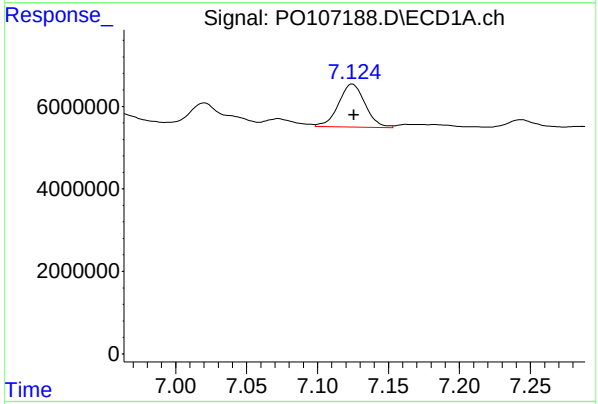
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



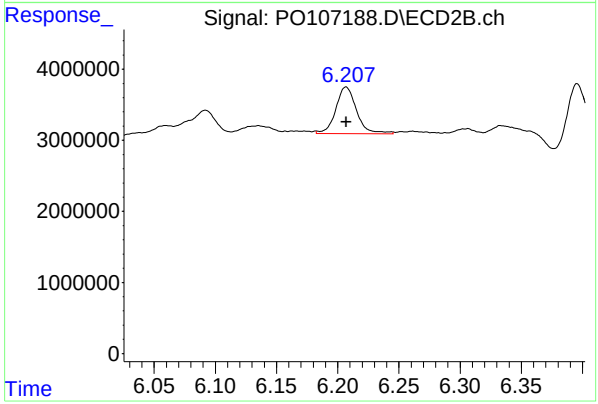

#7 AR-1016-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 4017833
Conc: 48.10 ng/ml



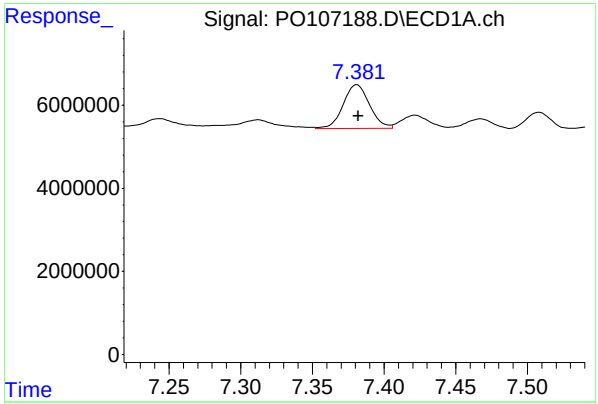

#31 AR-1260-1

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 13579378
Conc: 52.40 ng/ml




#31 AR-1260-1

R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 7810910
Conc: 50.35 ng/ml m



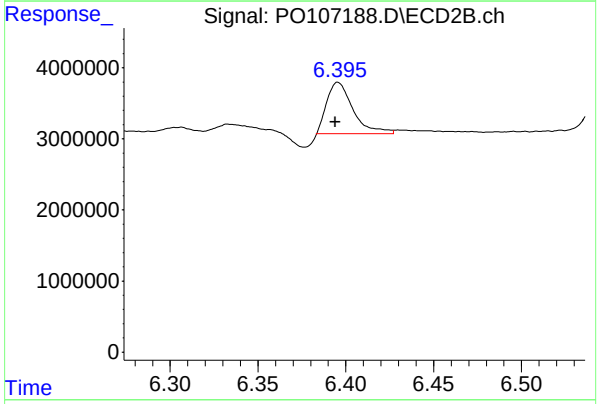

#32 AR-1260-2

R.T.: 7.380 min
Delta R.T.: -0.001 mi
Response: 13632543
Conc: 51.62 ng/ml

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

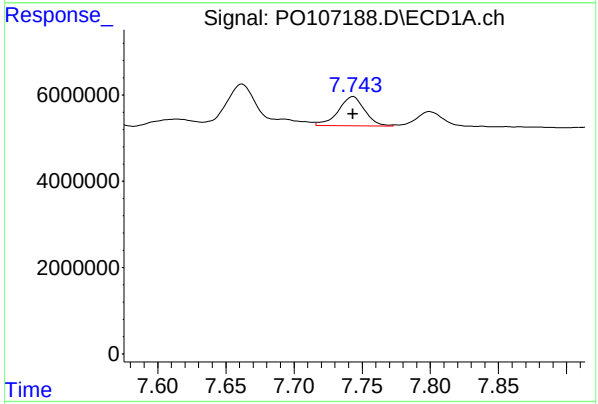
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



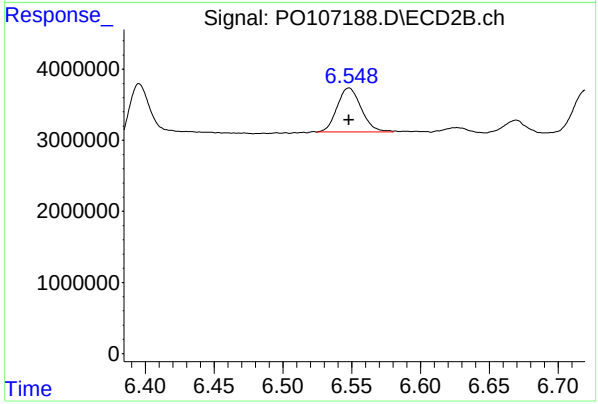

#32 AR-1260-2

R.T.: 6.395 min
Delta R.T.: 0.001 min
Response: 7572896
Conc: 41.13 ng/ml m



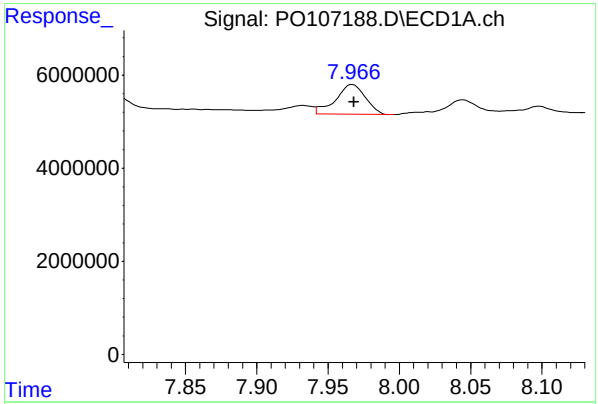

#33 AR-1260-3

R.T.: 7.743 min
Delta R.T.: 0.000 min
Response: 9159133
Conc: 50.47 ng/ml m




#33 AR-1260-3

R.T.: 6.548 min
Delta R.T.: 0.000 min
Response: 7594706
Conc: 44.13 ng/ml m



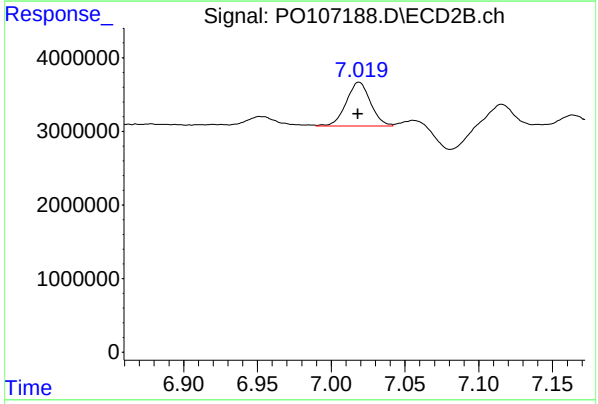

#34 AR-1260-4

R.T.: 7.967 min
Delta R.T.: 0.000 mi
Response: 9276106
Conc: 52.92 ng/m

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

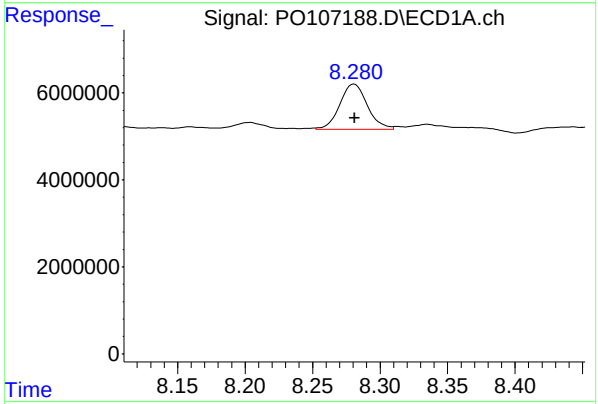
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



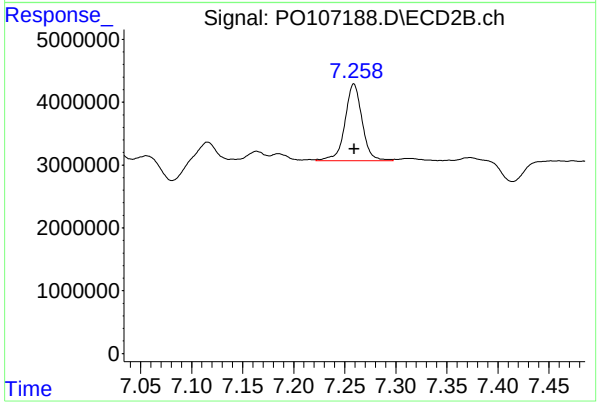

#34 AR-1260-4

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 6862107
Conc: 46.64 ng/ml m




#35 AR-1260-5

R.T.: 8.280 min
Delta R.T.: -0.001 min
Response: 14867575
Conc: 52.53 ng/ml m




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 14474674
Conc: 42.98 ng/ml m

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
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: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 449.1E6 | 154.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.060 | 8.639 | 121.6E6 | 134.8E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.573 | 3.856 | 55004944 | 17447760 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 4.658 | 3.942 | 39418330 | 13312448 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 4.733 | 4.018 | 117.0E6 | 40609299 | 500.000 | 500.000 |

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

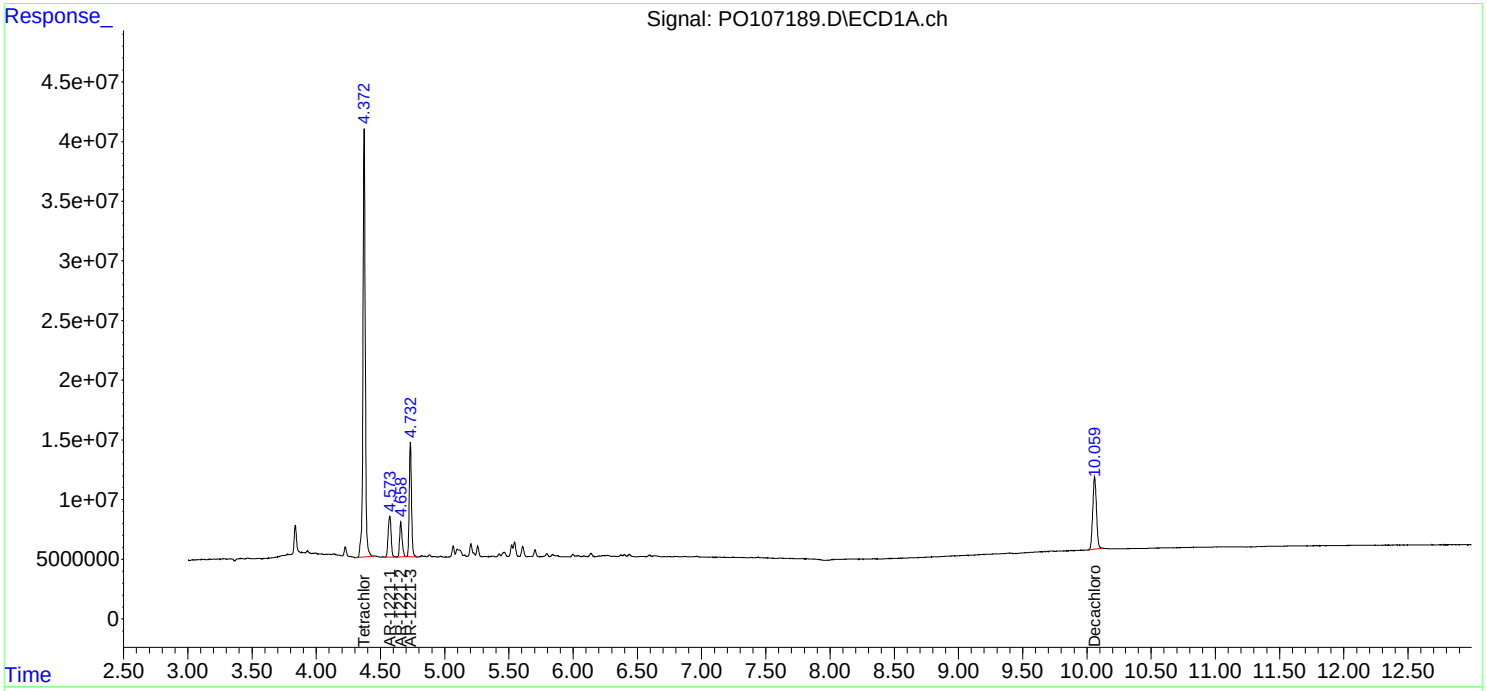
ICAL Form

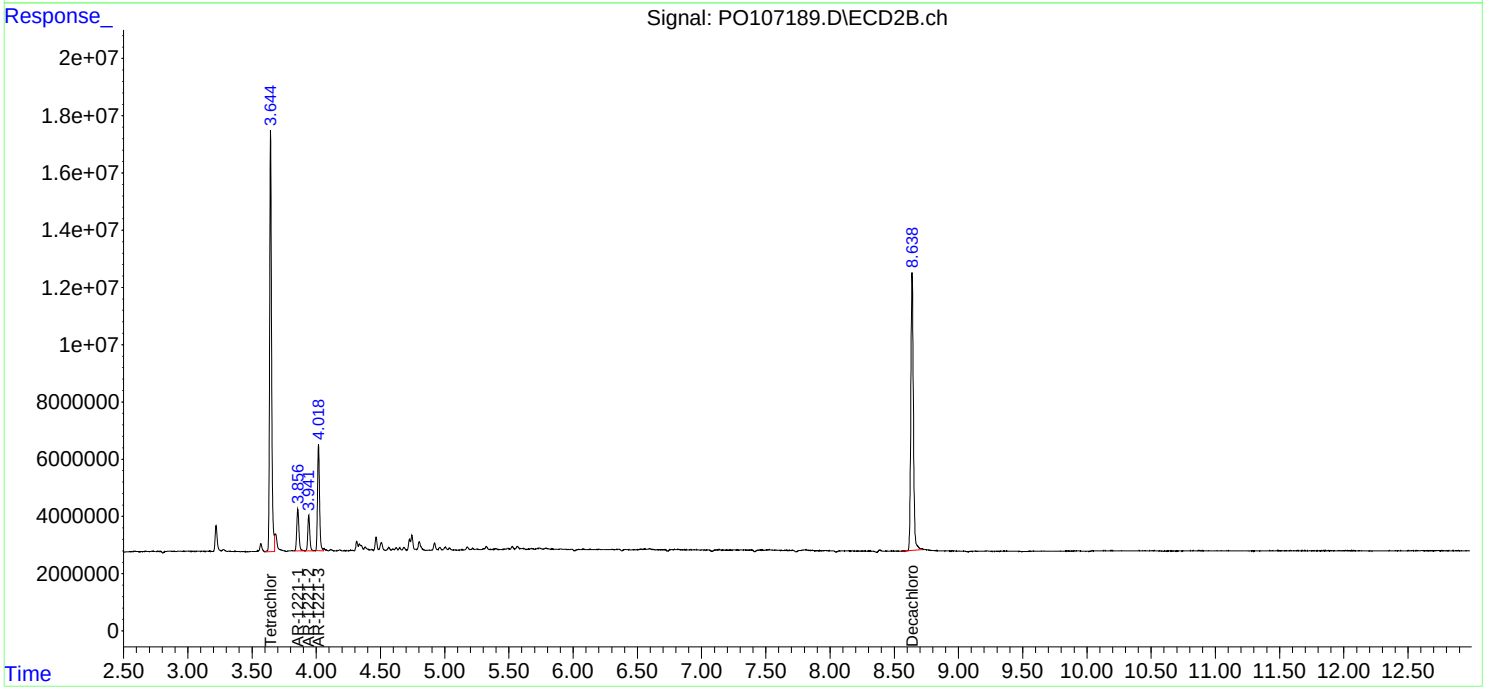
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 19:57
Operator : YP/AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

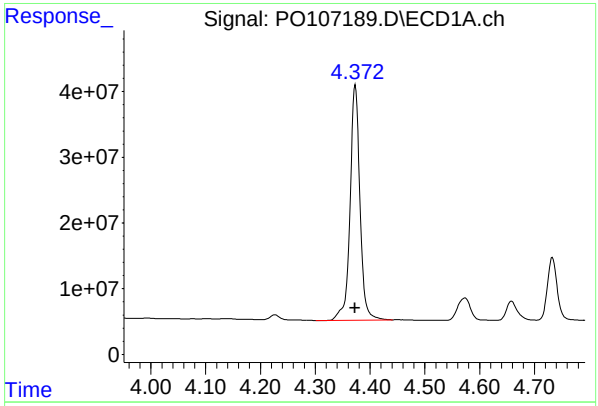
**Instrument :**
ECD_O
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:41:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:40:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



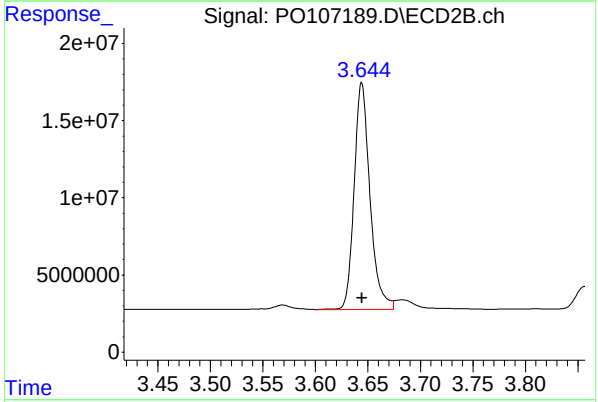






#1 Tetrachloro-m-xylene

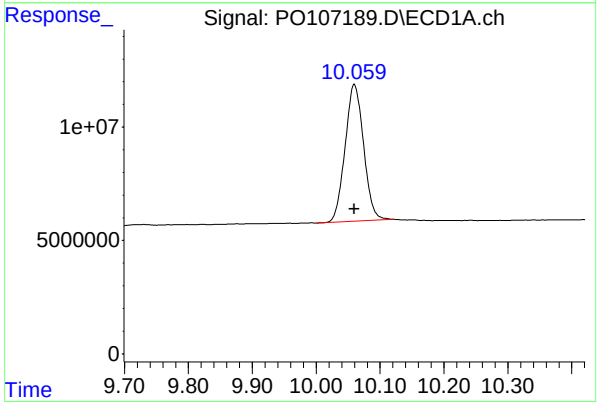
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 449133612
Conc: 50.00 ng/ml

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



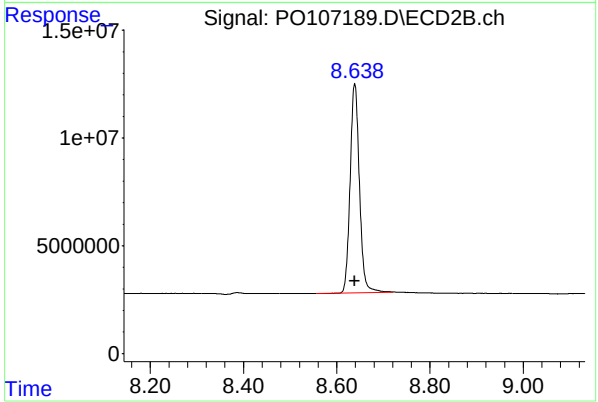

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 154054428
Conc: 50.00 ng/ml



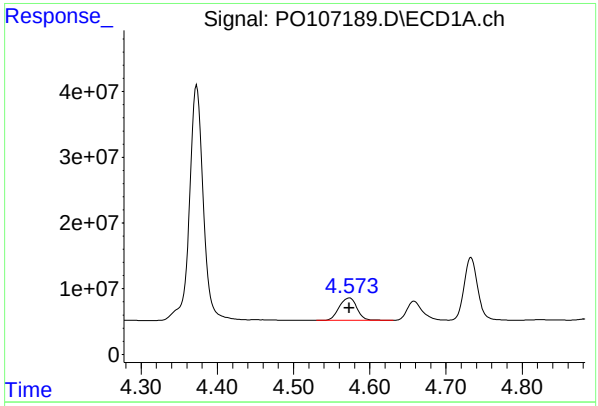

#2 Decachlorobiphenyl

R.T.: 10.060 min
Delta R.T.: 0.000 min
Response: 121624498
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

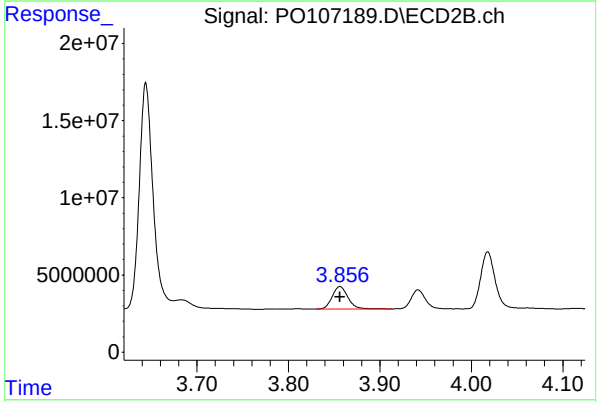
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 134768135
Conc: 50.00 ng/ml




#8 AR-1221-1

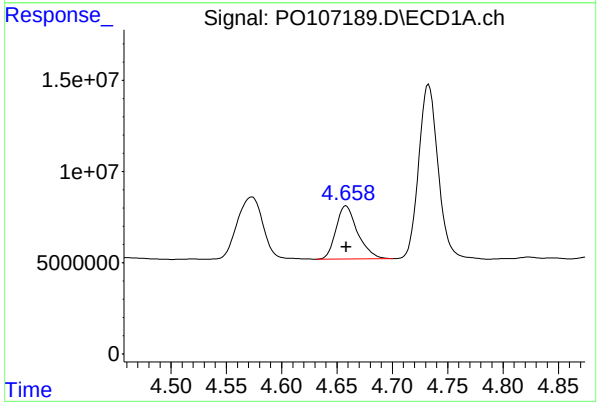
R.T.: 4.573 min
Delta R.T.: 0.000 min
Response: 55004944
Conc: 500.00 ng/ml

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



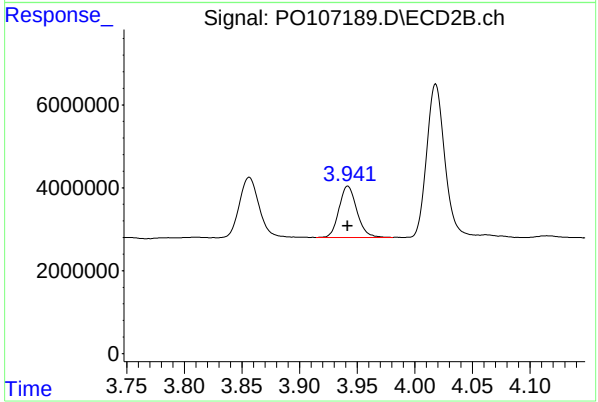

#8 AR-1221-1

R.T.: 3.856 min
Delta R.T.: 0.000 min
Response: 17447760
Conc: 500.00 ng/ml



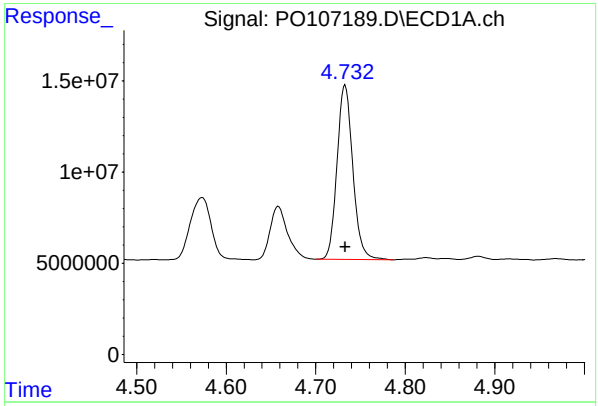

#9 AR-1221-2

R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 39418330
Conc: 500.00 ng/ml




#9 AR-1221-2

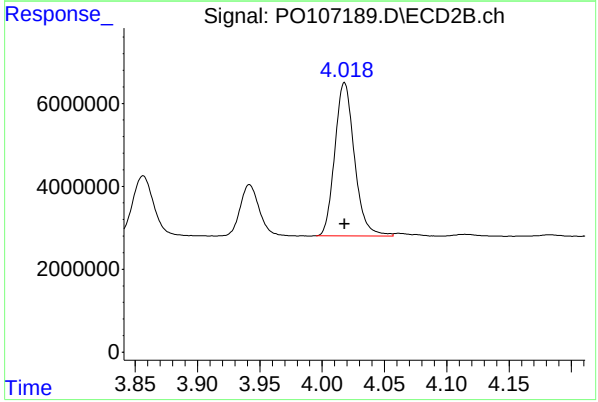
R.T.: 3.942 min
Delta R.T.: 0.000 min
Response: 13312448
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 4.733 min
Delta R.T.: 0.000 mi
Response: 117049992
Conc: 500.00 ng/m

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




#10 AR-1221-3

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 40609299
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
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: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 454.2E6 | 157.5E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 121.6E6 | 135.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 4.733 | 4.017 | 97921824 | 33663502 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.258 | 4.745 | 51512576 | 31602645 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.544 | 4.921 | 89500289 | 17237464 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 5.704 | 5.004 | 45082743 | 15732978 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 5.796 | 5.176 | 32951614 | 16541659 | 500.000 | 500.000 |

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

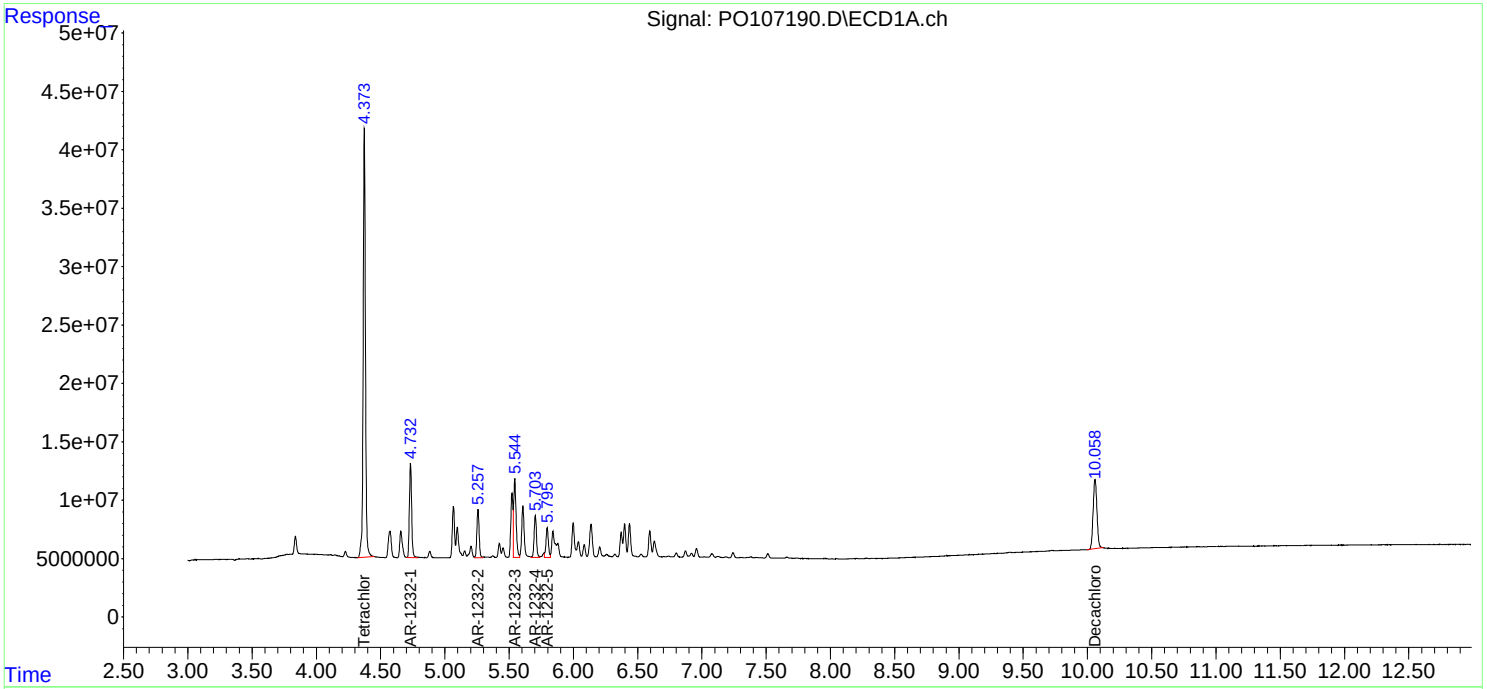
ICAL Form

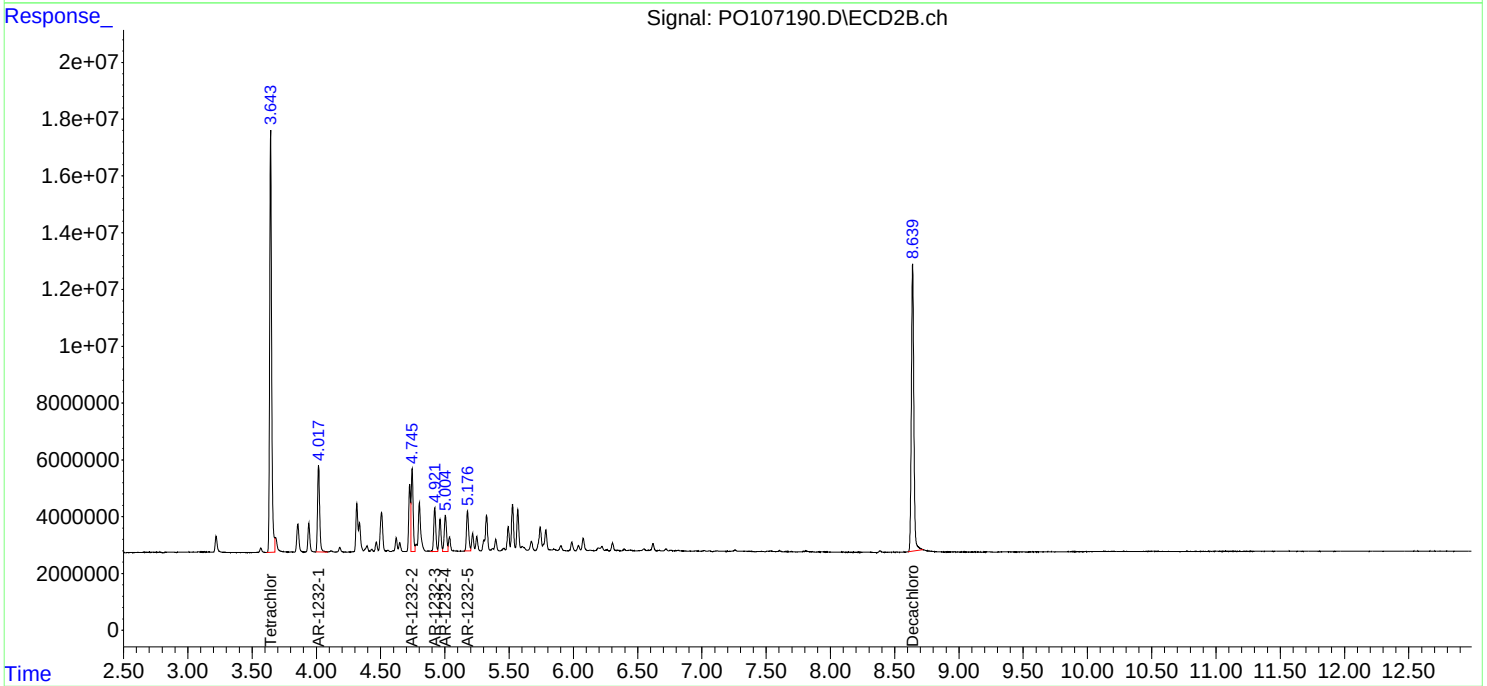
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:15
Operator : YP/AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

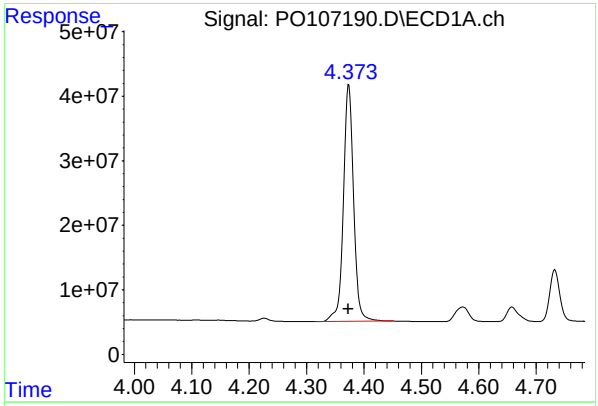
**Instrument :**
ECD_O
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:46:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:45:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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



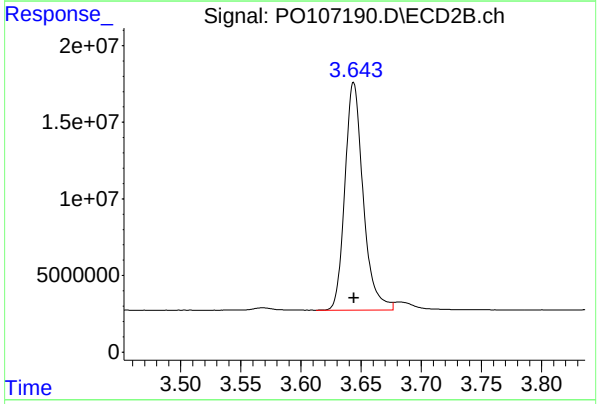






#1 Tetrachloro-m-xylene

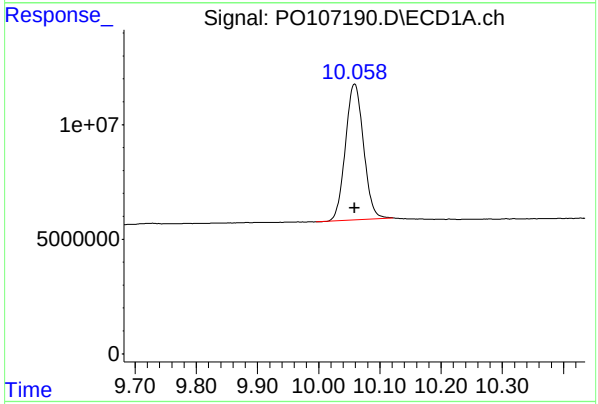
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 454164139
Conc: 50.00 ng/ml

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



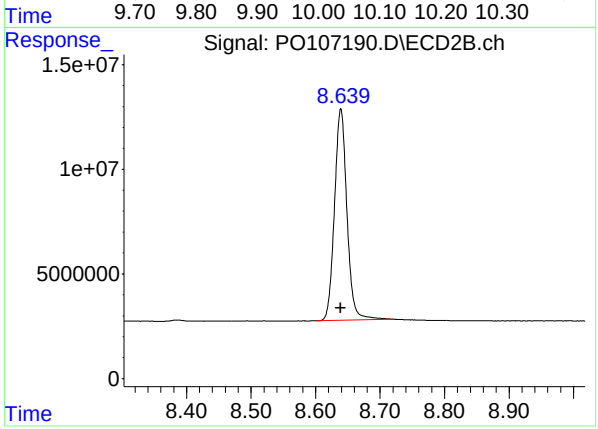

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 157500410
Conc: 50.00 ng/ml



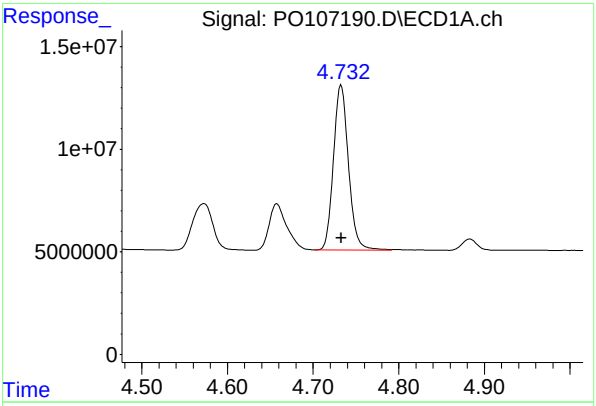

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 121597713
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

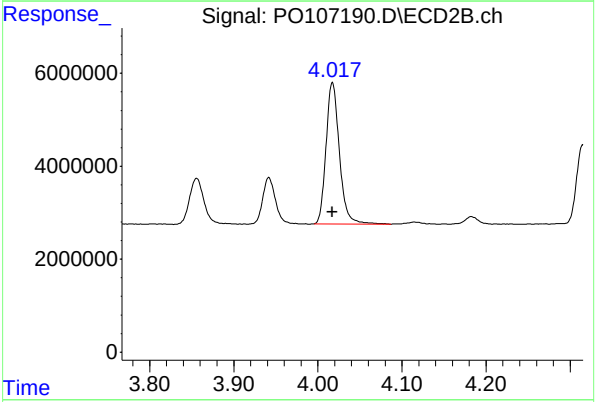
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 135573923
Conc: 50.00 ng/ml




#11 AR-1232-1

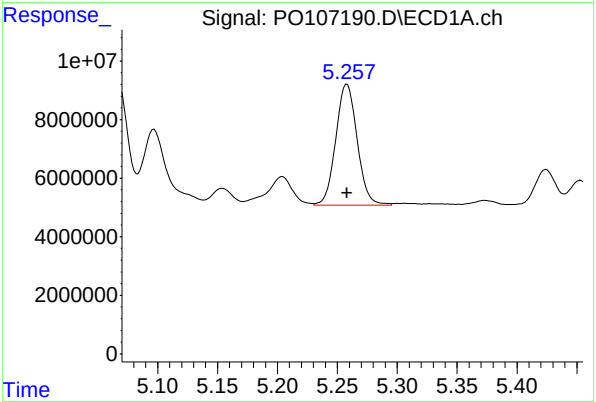
R.T.: 4.733 min
Delta R.T.: 0.000 min
Response: 97921824
Conc: 500.00 ng/ml

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



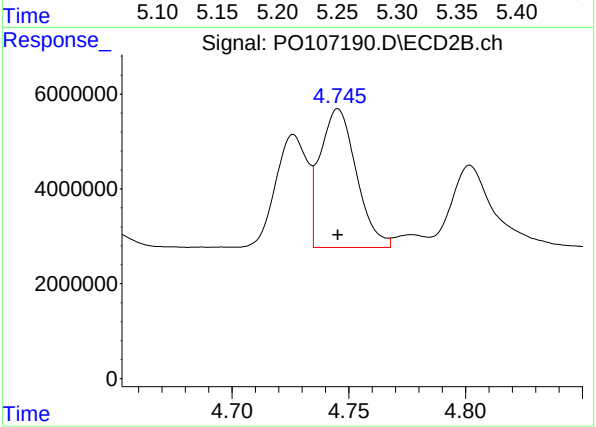

#11 AR-1232-1

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 33663502
Conc: 500.00 ng/ml



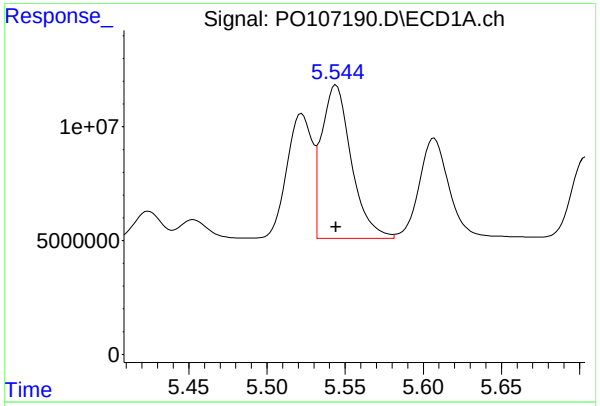

#12 AR-1232-2

R.T.: 5.258 min
Delta R.T.: 0.000 min
Response: 51512576
Conc: 500.00 ng/ml




#12 AR-1232-2

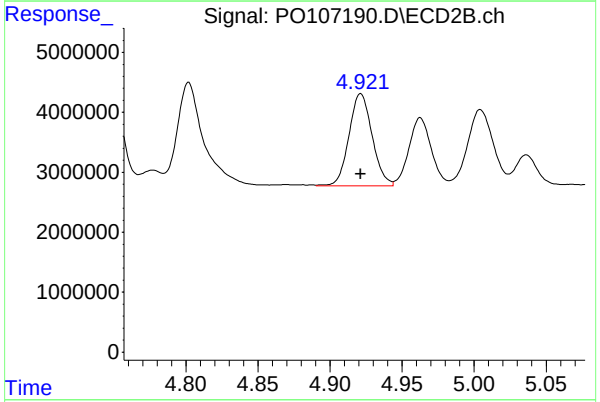
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 31602645
Conc: 500.00 ng/ml




#13 AR-1232-3

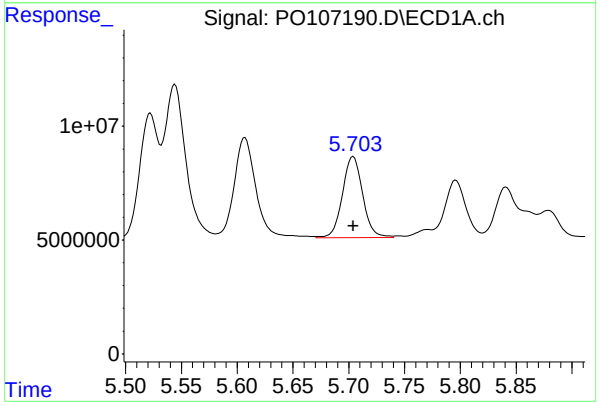
R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 89500289
Conc: 500.00 ng/ml

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



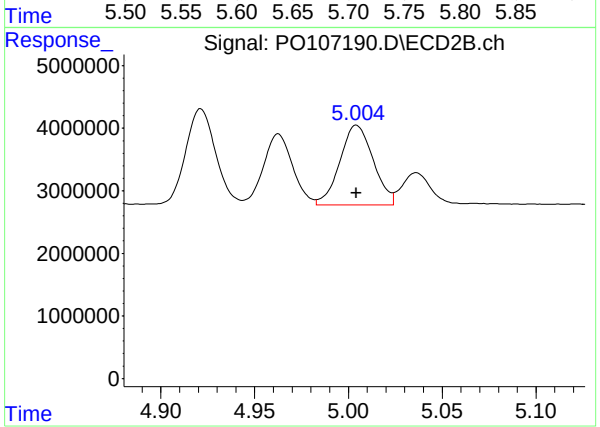

#13 AR-1232-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 17237464
Conc: 500.00 ng/ml



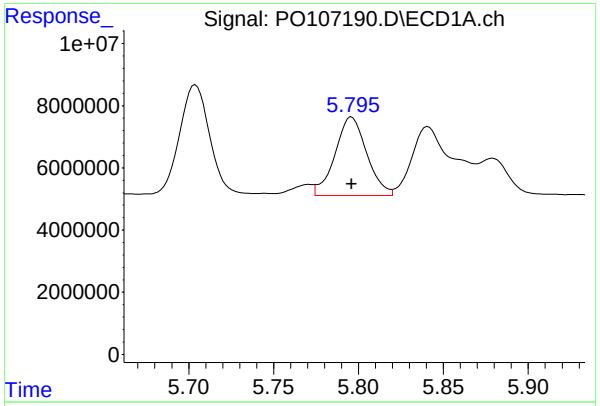

#14 AR-1232-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 45082743
Conc: 500.00 ng/ml




#14 AR-1232-4

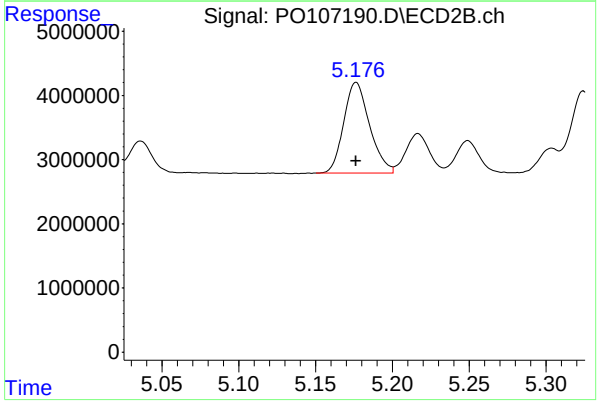
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 15732978
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 5.796 min
Delta R.T.: 0.000 mi
Response: 32951614
Conc: 500.00 ng/m

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




#15 AR-1232-5

R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 16541659
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
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: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 886.0E6 | 331.6E6 | 96.865 | 99.238 |
| 2) | SA Decachlor... | 10.061 | 8.638 | 233.9E6 | 268.7E6 | 93.851 | 97.198 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 207.9E6 | 80390662 | 935.818 | 957.741 |
| 17) | L4 AR-1242-2 | 5.545 | 4.745 | 302.4E6 | 114.5E6 | 934.753 | 972.360 |
| 18) | L4 AR-1242-3 | 5.607 | 4.921 | 191.9E6 | 61817452 | 915.447 | 959.943 |
| 19) | L4 AR-1242-4 | 5.704 | 5.004 | 150.4E6 | 60582529 | 924.137 | 940.948 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 141.0E6 | 73763103 | 917.497 | 955.284 |

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

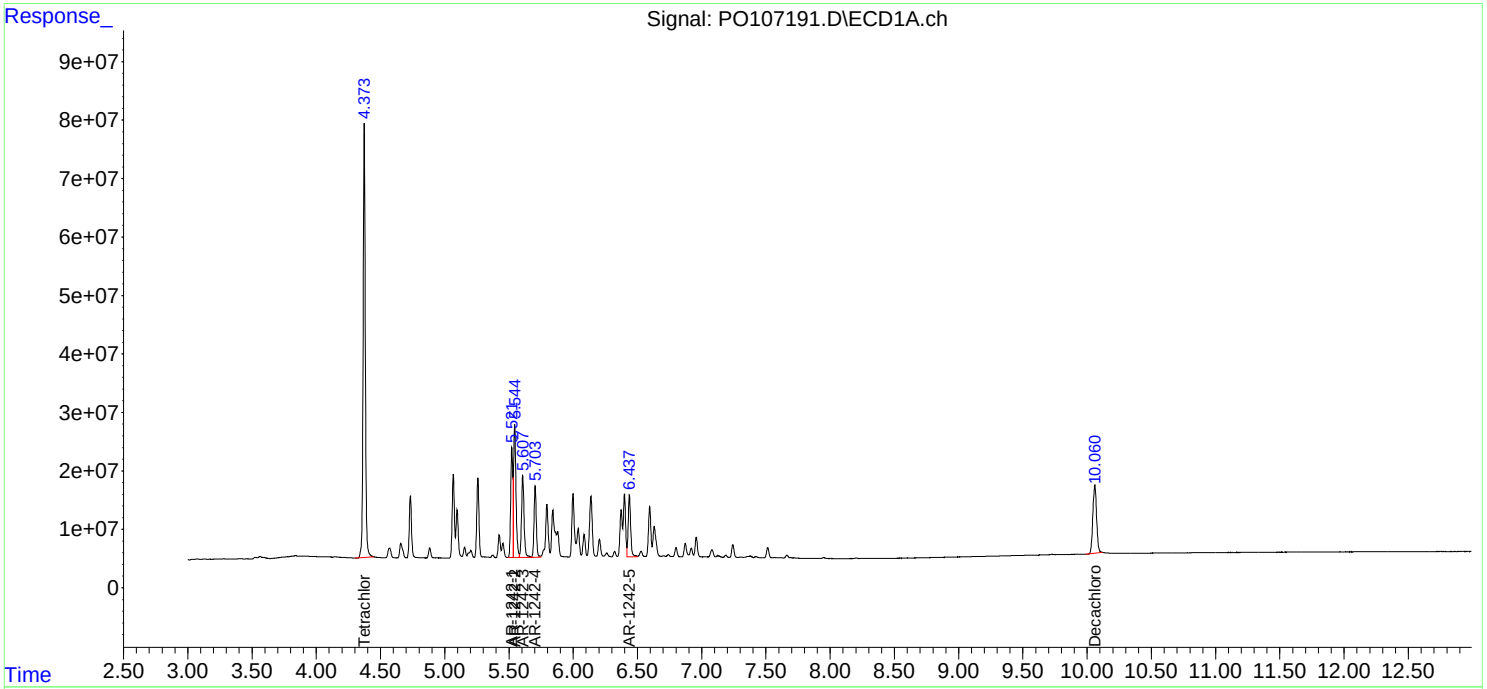
ICAL Form

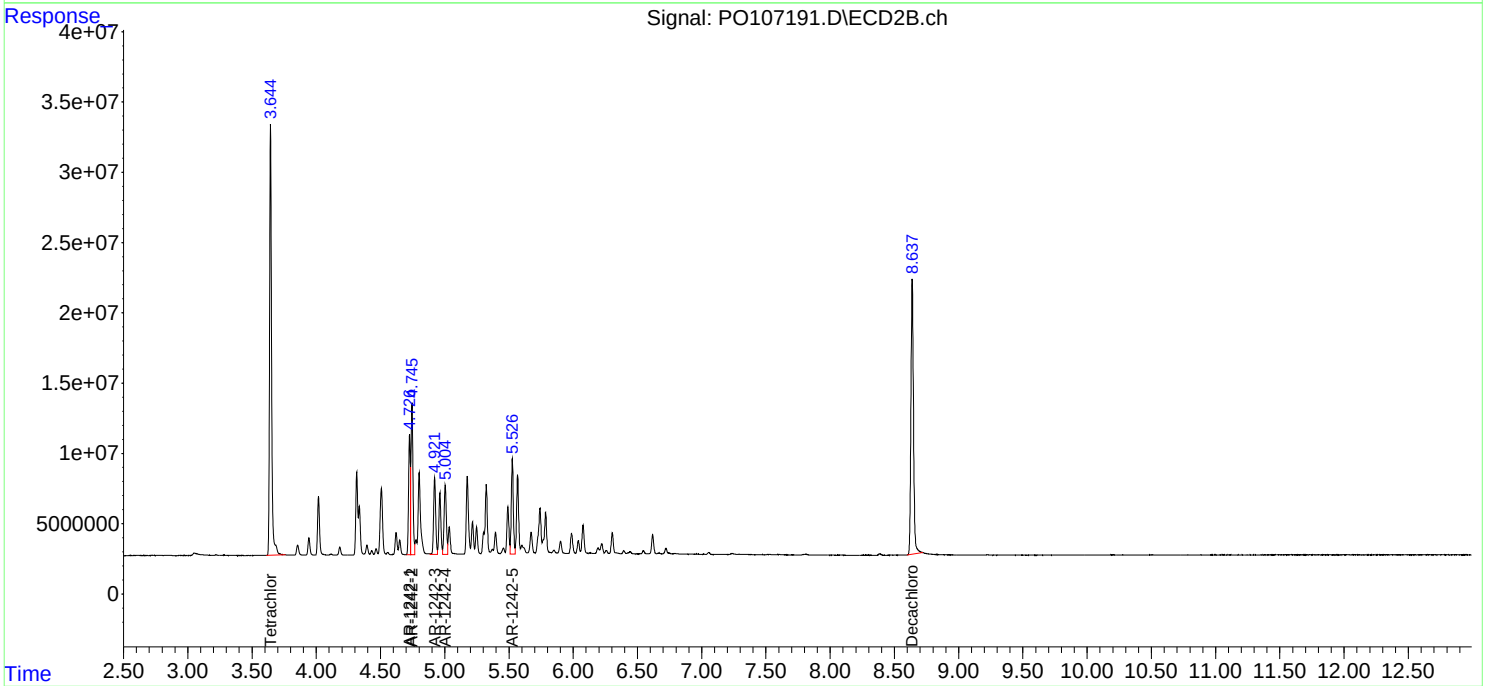
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107191.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:34
Operator : YP/AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

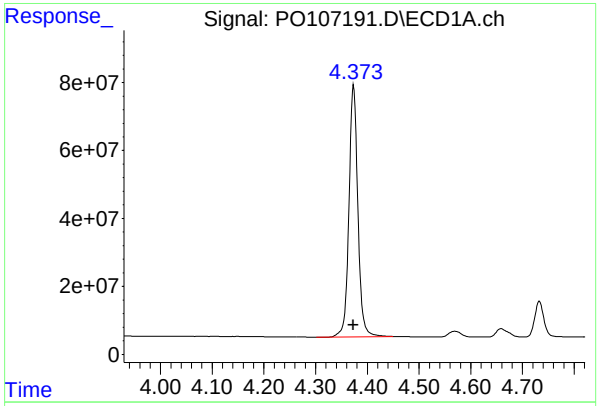
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



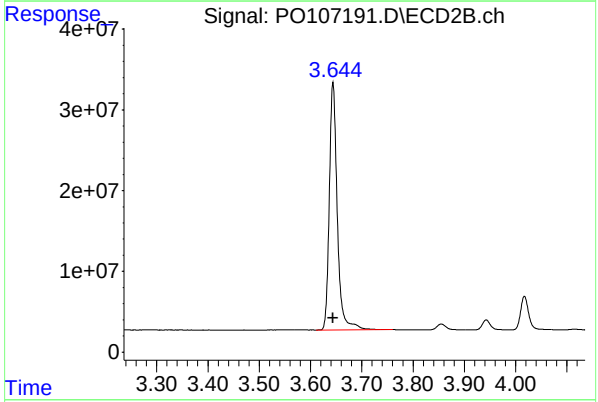






#1 Tetrachloro-m-xylene

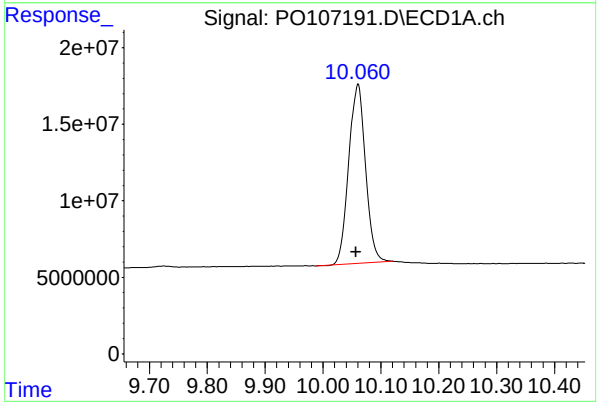
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 886004362
Conc: 96.87 ng/ml

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



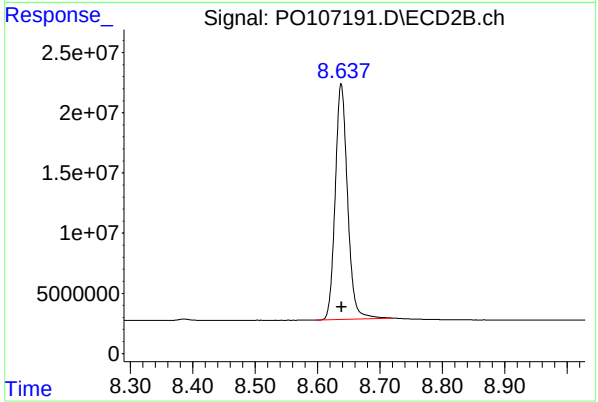

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 331572468
Conc: 99.24 ng/ml



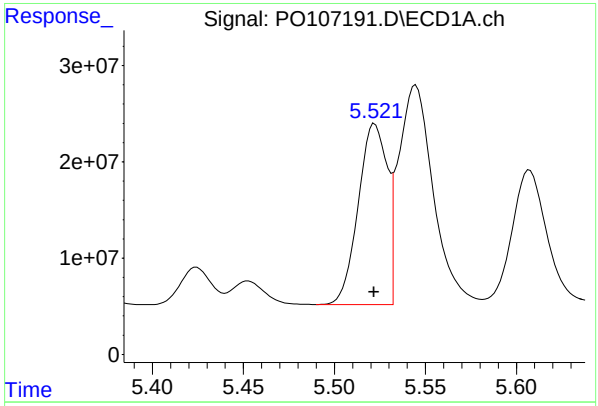

#2 Decachlorobiphenyl

R.T.: 10.061 min
Delta R.T.: 0.003 min
Response: 233942035
Conc: 93.85 ng/ml




#2 Decachlorobiphenyl

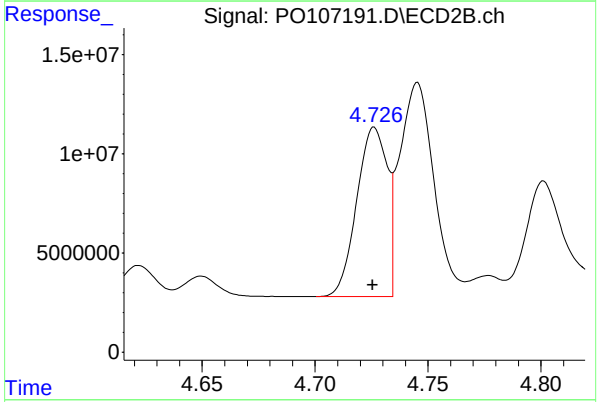
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 268698532
Conc: 97.20 ng/ml




#16 AR-1242-1

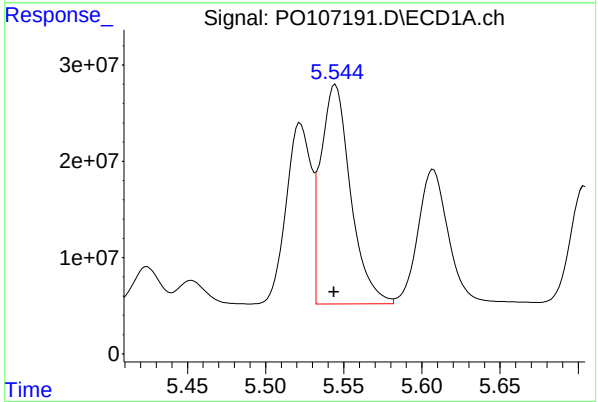
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 207947063
Conc: 935.82 ng/ml

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



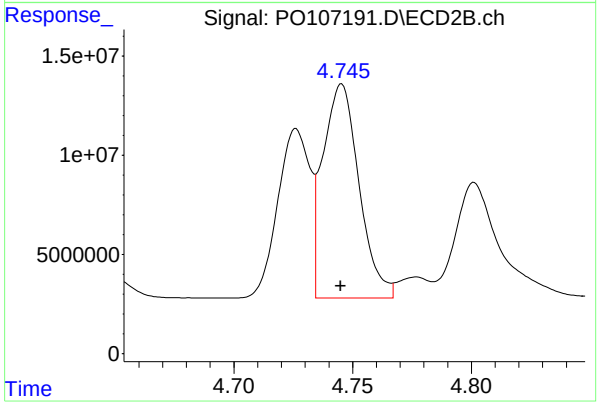

#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 80390662
Conc: 957.74 ng/ml



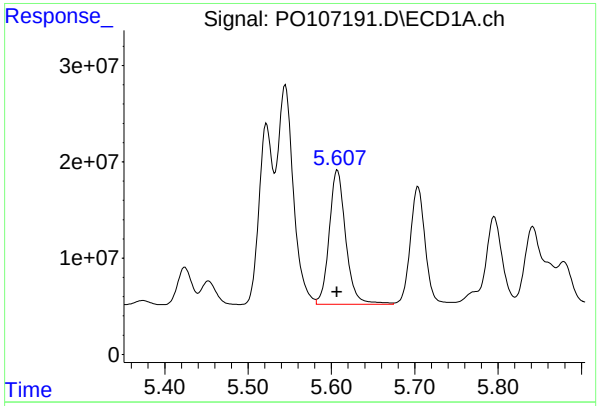

#17 AR-1242-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 302439626
Conc: 934.75 ng/ml




#17 AR-1242-2

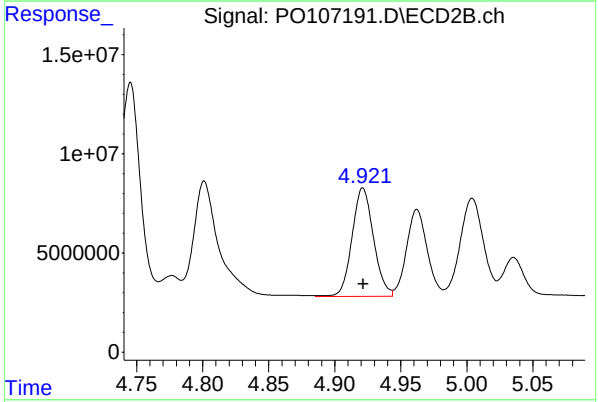
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 114487494
Conc: 972.36 ng/ml




#18 AR-1242-3

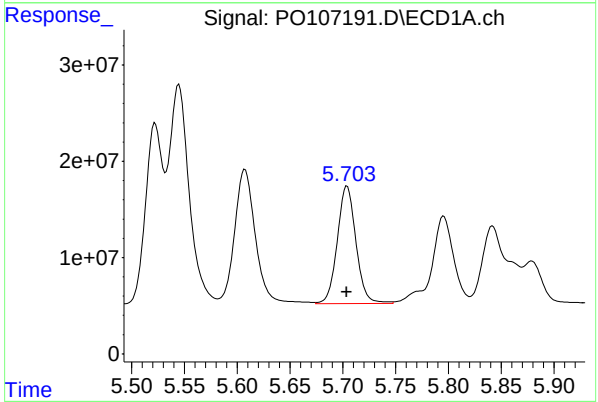
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 191912697
Conc: 915.45 ng/ml

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



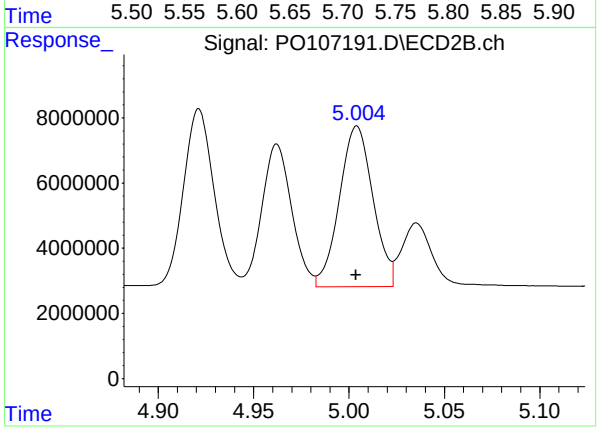

#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 61817452
Conc: 959.94 ng/ml



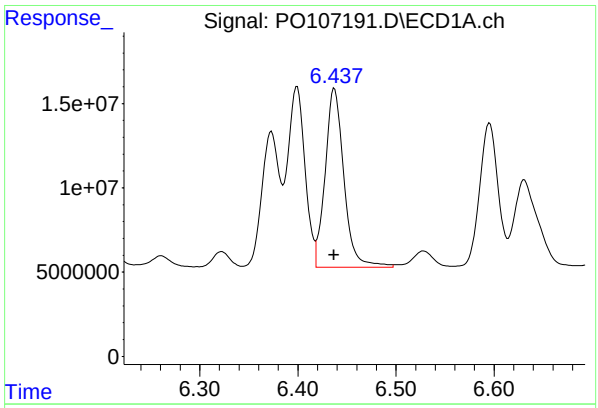

#19 AR-1242-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 150447174
Conc: 924.14 ng/ml




#19 AR-1242-4

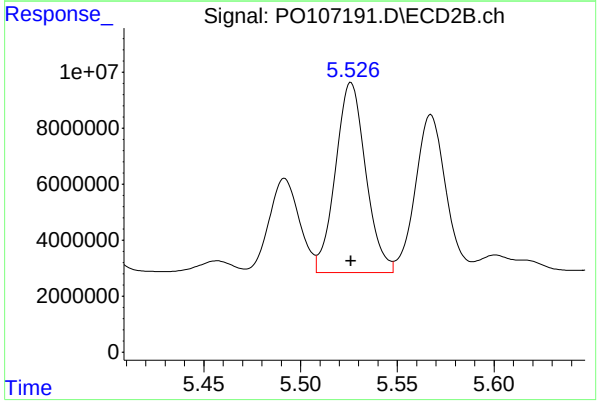
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 60582529
Conc: 940.95 ng/ml




#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 141009343
Conc: 917.50 ng/ml

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




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 73763103
Conc: 955.28 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
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: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 648.9E6 | 243.1E6 | 70.941 | 72.772 |
| 2) | SA Decachlor... | 10.059 | 8.639 | 182.1E6 | 207.3E6 | 73.046 | 74.999 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.521 | 4.726 | 154.2E6 | 60335620 | 693.850 | 718.814 |
| 17) | L4 AR-1242-2 | 5.544 | 4.746 | 225.0E6 | 83449803 | 695.293 | 708.752 |
| 18) | L4 AR-1242-3 | 5.606 | 4.922 | 144.9E6 | 45346429 | 691.114 | 704.170 |
| 19) | L4 AR-1242-4 | 5.703 | 5.005 | 109.0E6 | 45477164 | 669.566 | 706.336 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 107.6E6 | 56756574 | 699.831 | 735.037 |

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

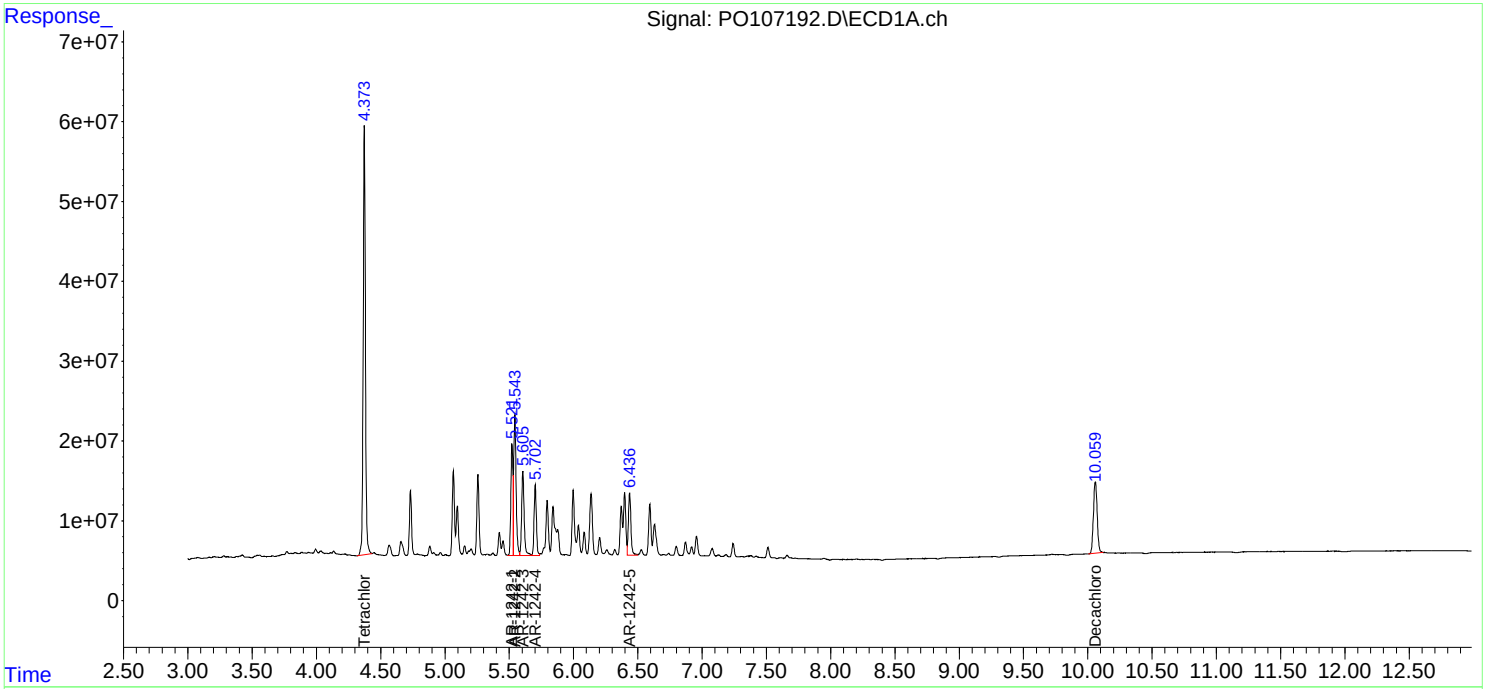
ICAL Form

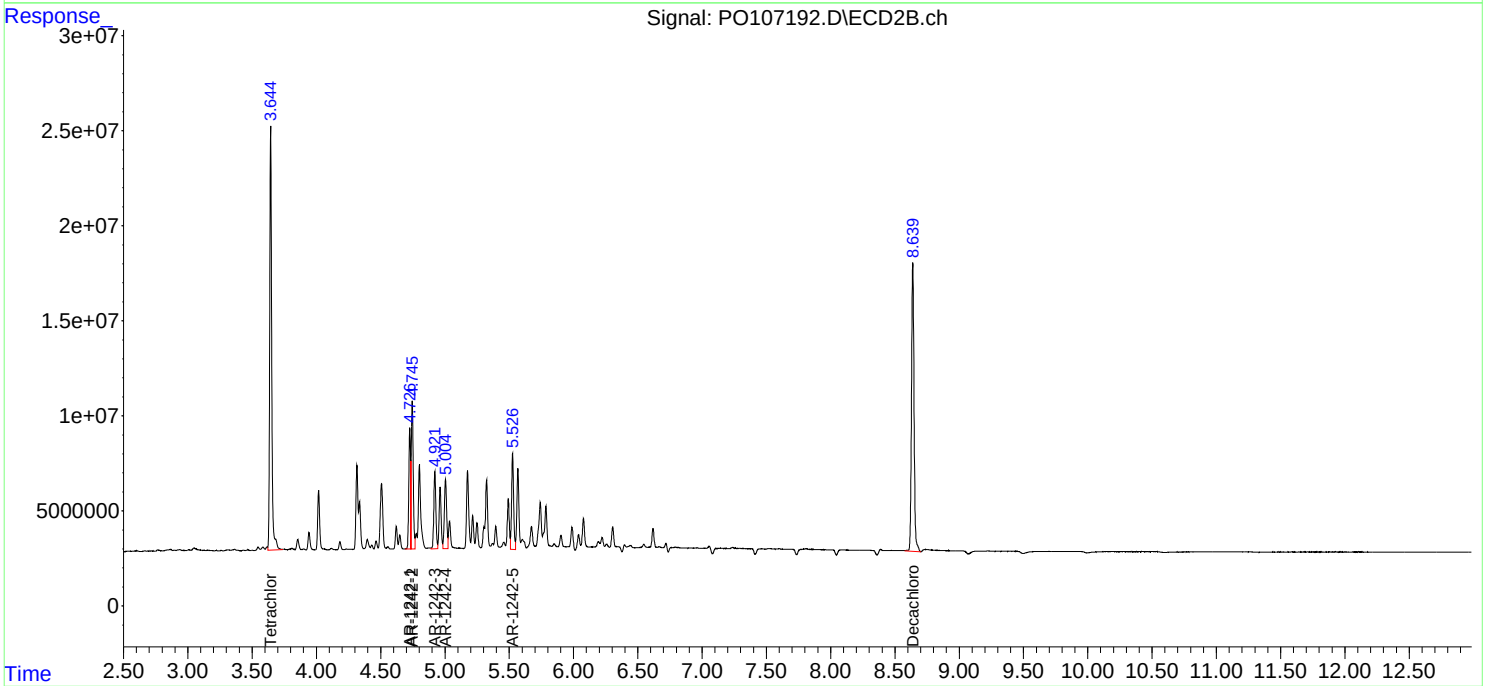
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107192.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 20:52
Operator : YP/AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

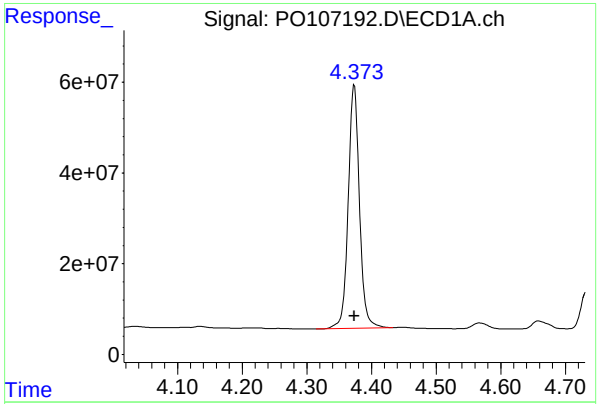
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:49:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



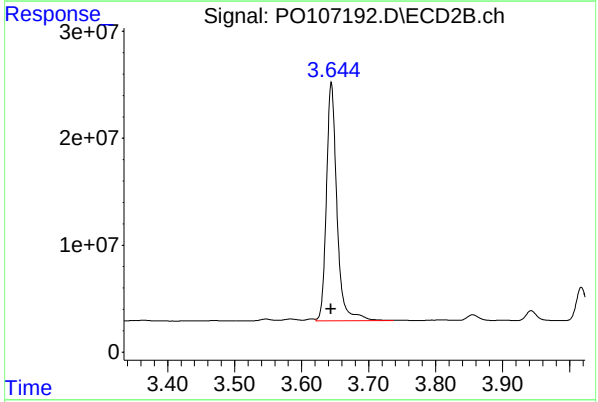






#1 Tetrachloro-m-xylene

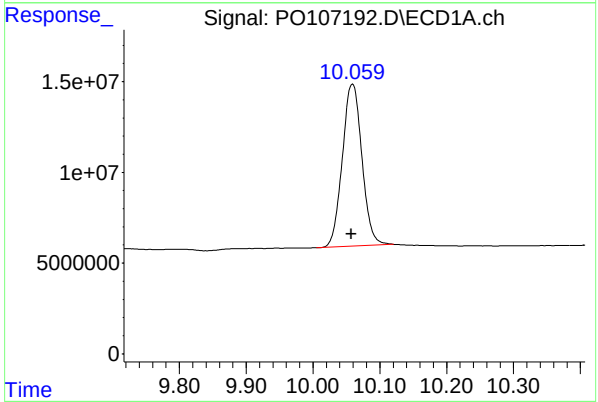
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 648880776
Conc: 70.94 ng/ml

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



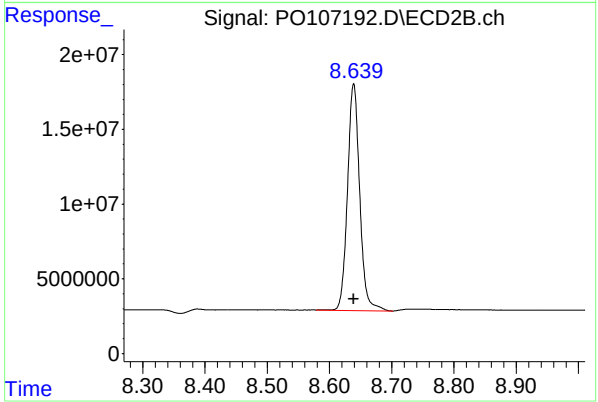

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 243146149
Conc: 72.77 ng/ml



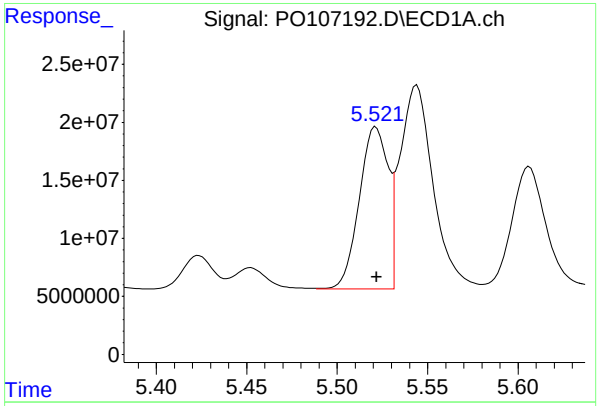

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.002 min
Response: 182080715
Conc: 73.05 ng/ml




#2 Decachlorobiphenyl

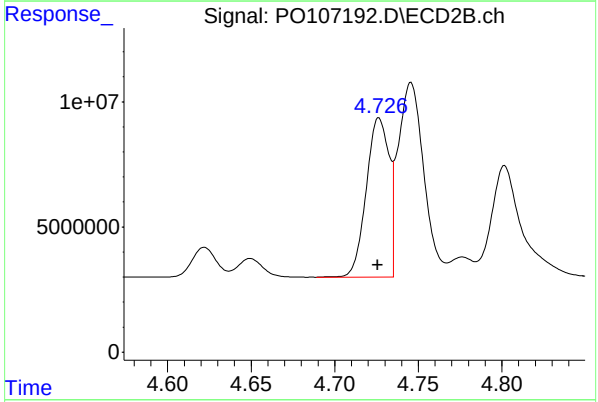
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 207331371
Conc: 75.00 ng/ml




#16 AR-1242-1

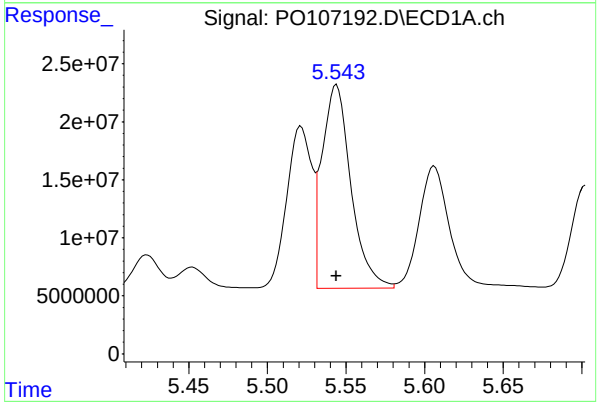
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 154179687
Conc: 693.85 ng/ml

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



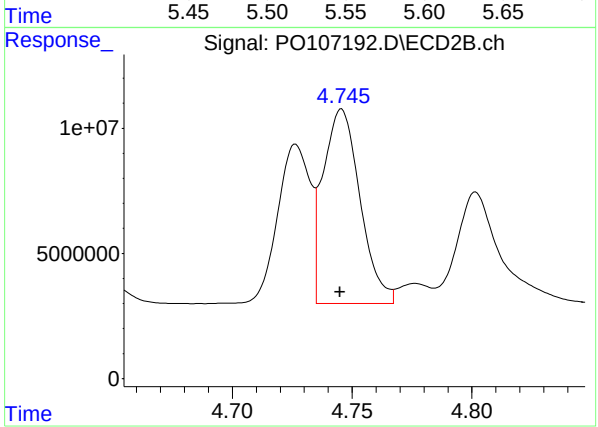

#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60335620
Conc: 718.81 ng/ml



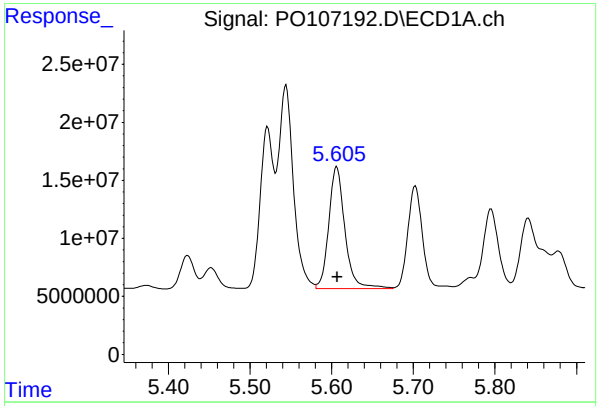

#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 224962212
Conc: 695.29 ng/ml




#17 AR-1242-2

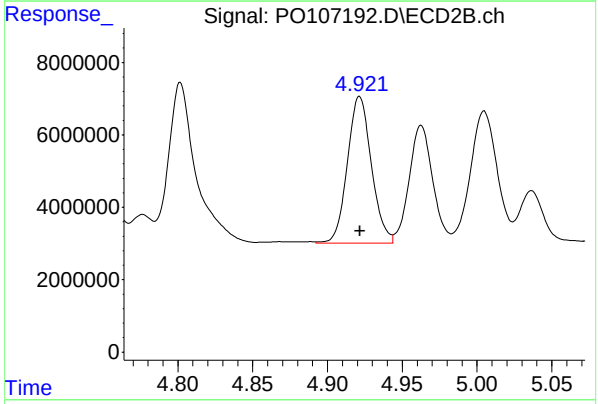
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 83449803
Conc: 708.75 ng/ml




#18 AR-1242-3

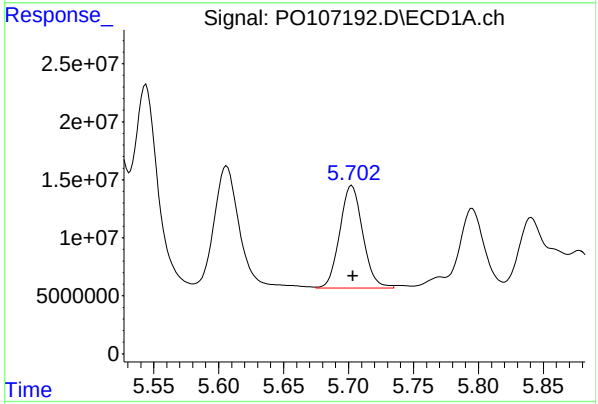
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 144883820
Conc: 691.11 ng/ml

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



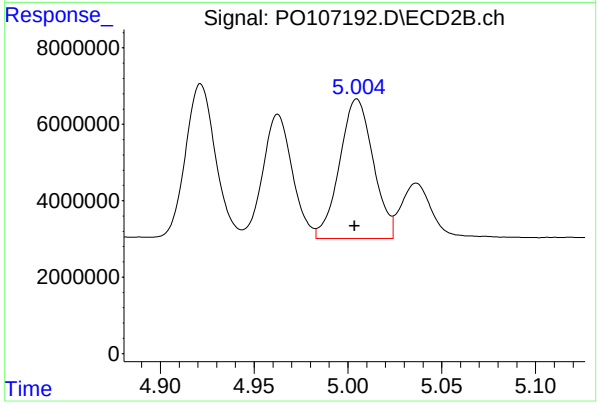

#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 45346429
Conc: 704.17 ng/ml



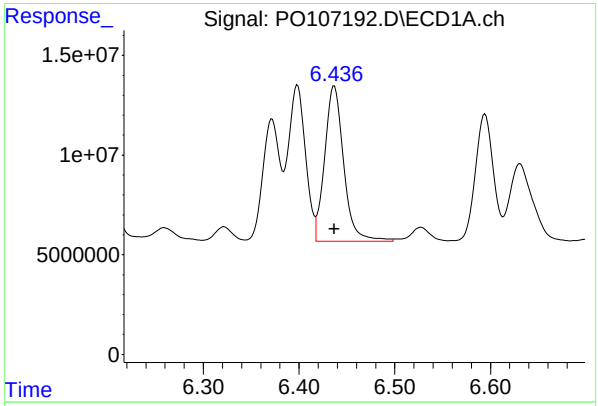

#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 109003647
Conc: 669.57 ng/ml




#19 AR-1242-4

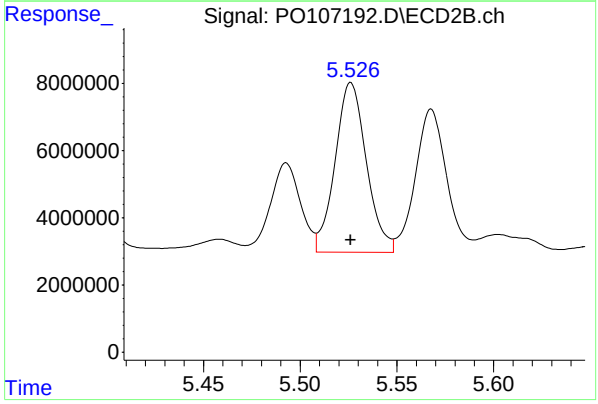
R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 45477164
Conc: 706.34 ng/ml




#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 107556327
Conc: 699.83 ng/ml

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




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 56756574
Conc: 735.04 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
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: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 457.3E6 | 167.1E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 124.6E6 | 138.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 111.1E6 | 41968881 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 161.8E6 | 58870958 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 5.607 | 4.922 | 104.8E6 | 32198496 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 81398754 | 32192297 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 76844549 | 38607958 | 500.000 | 500.000 |

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

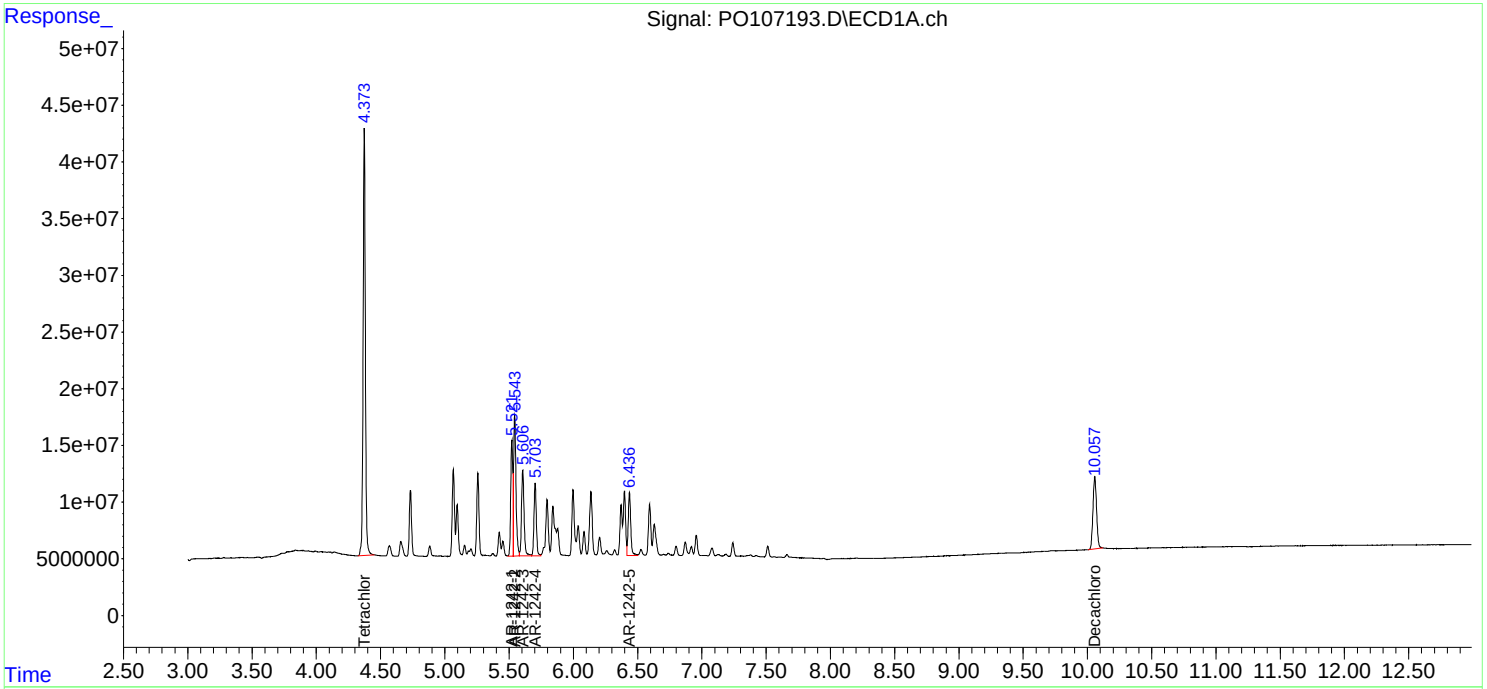
ICAL Form

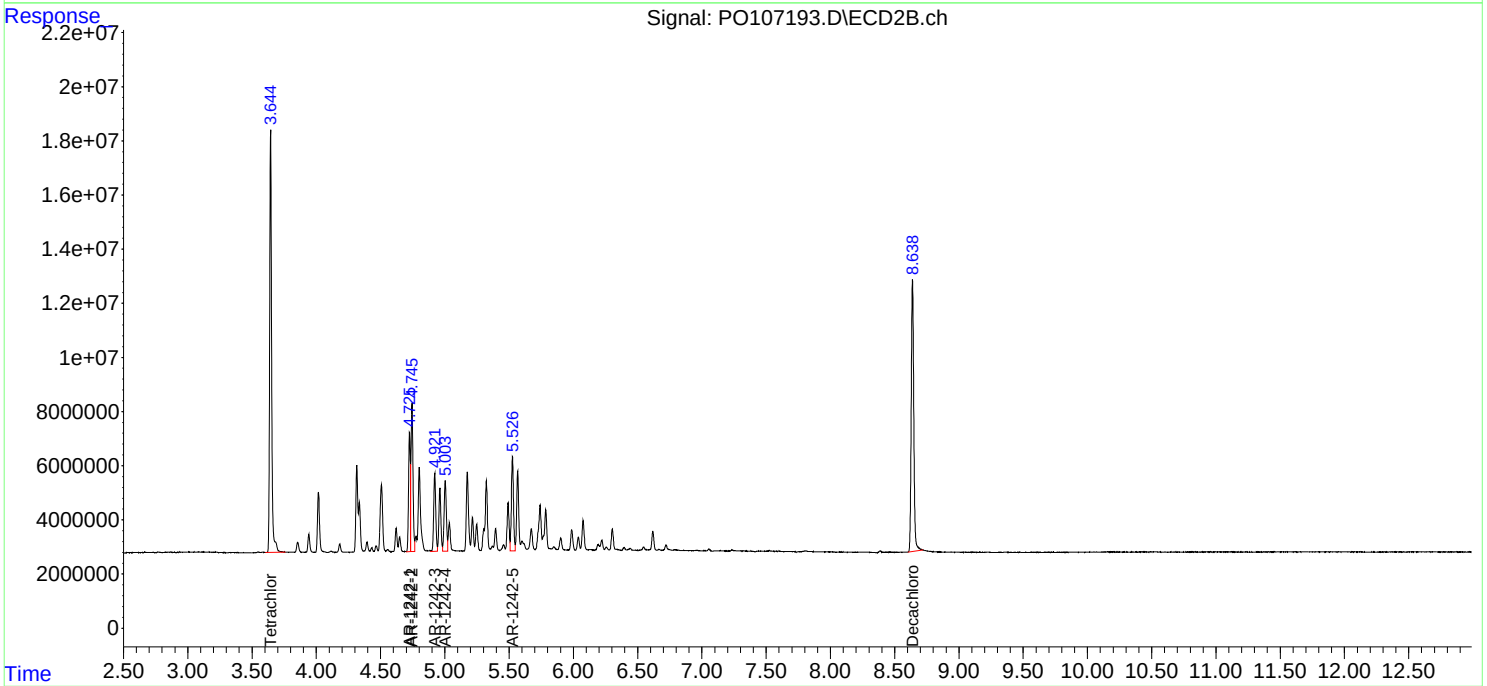
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:10
Operator : YP/AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

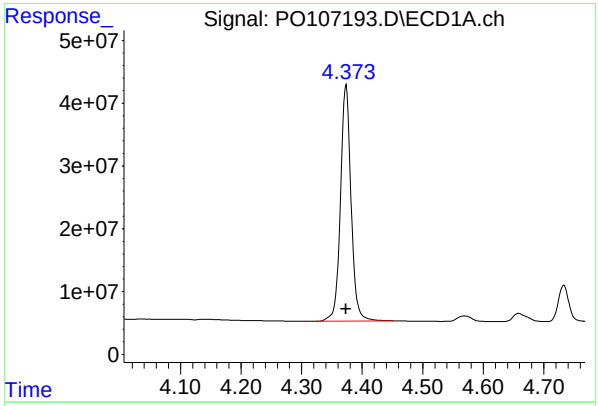
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



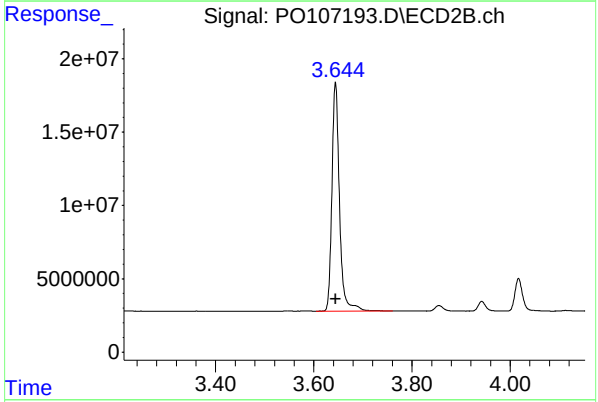






#1 Tetrachloro-m-xylene

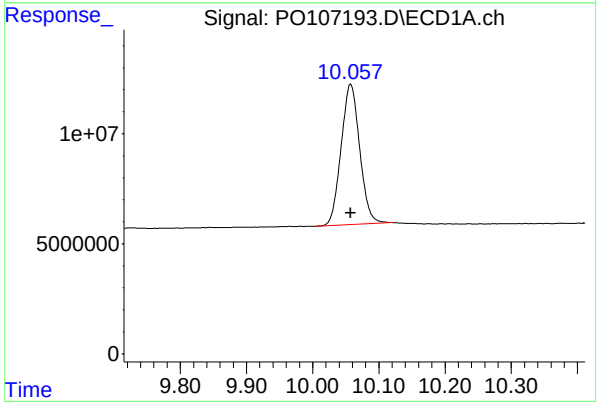
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 457339208
Conc: 50.00 ng/ml

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



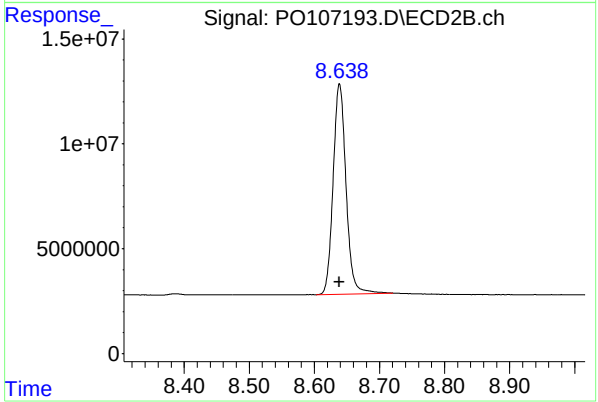

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167059902
Conc: 50.00 ng/ml



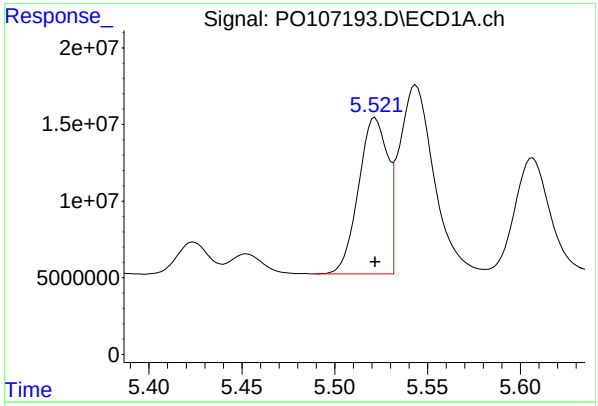

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 124635042
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

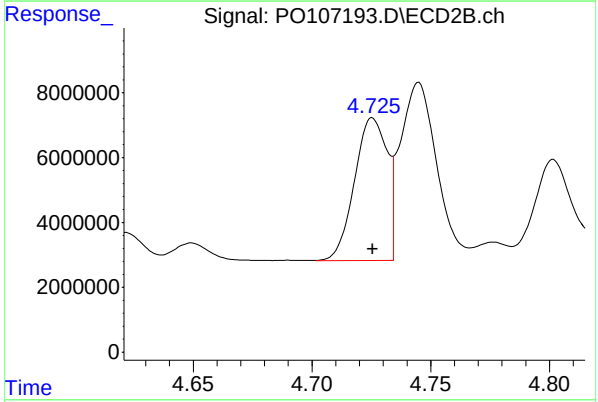
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 138221839
Conc: 50.00 ng/ml




#16 AR-1242-1

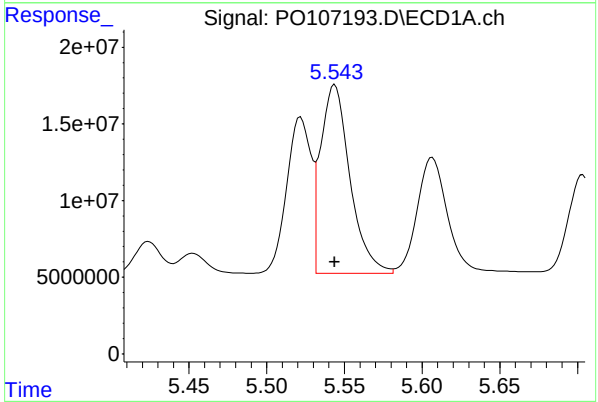
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 111104404
Conc: 500.00 ng/ml

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



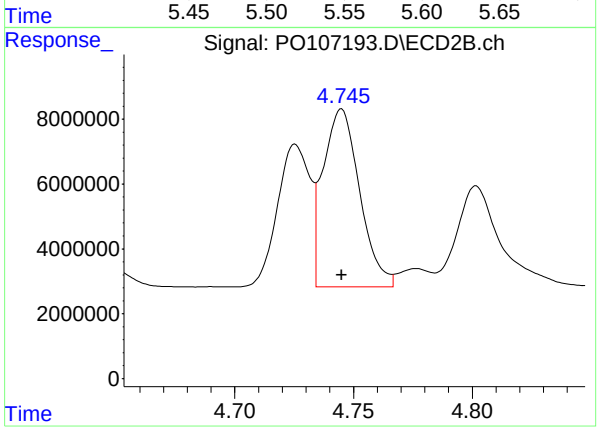

#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 41968881
Conc: 500.00 ng/ml



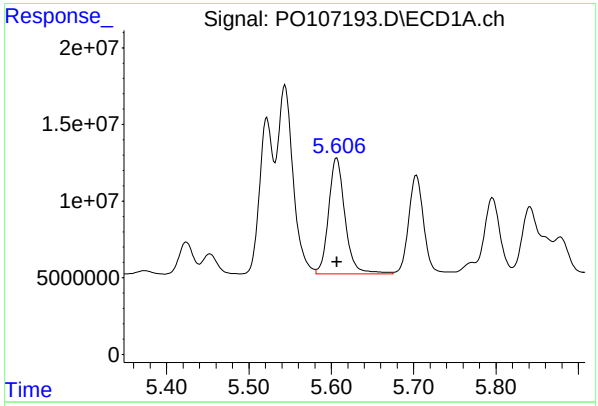

#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161775206
Conc: 500.00 ng/ml




#17 AR-1242-2

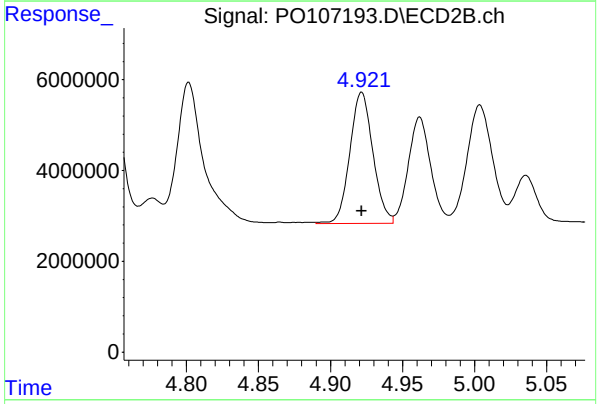
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 58870958
Conc: 500.00 ng/ml




#18 AR-1242-3

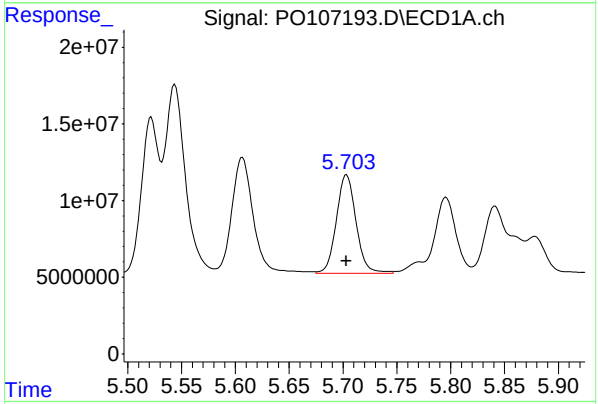
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 104819076
Conc: 500.00 ng/ml

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



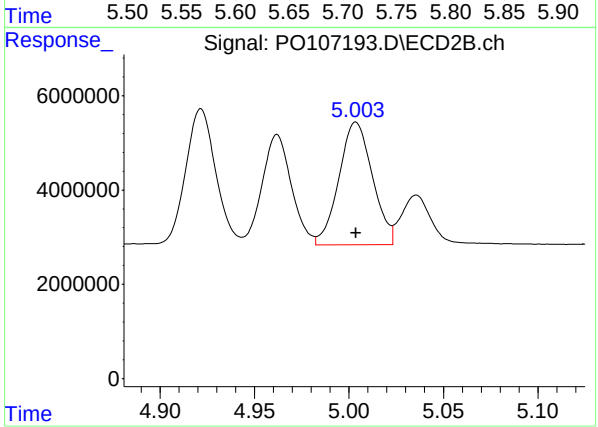

#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 32198496
Conc: 500.00 ng/ml



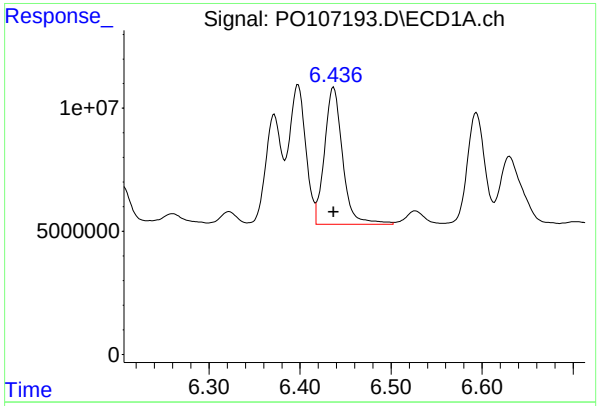

#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 81398754
Conc: 500.00 ng/ml




#19 AR-1242-4

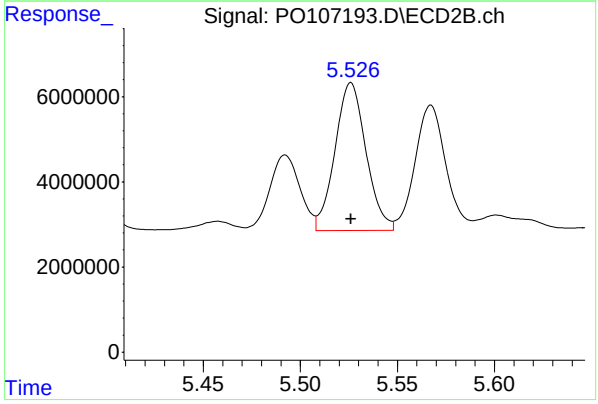
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32192297
Conc: 500.00 ng/ml




#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 76844549
Conc: 500.00 ng/ml

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




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 38607958
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
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: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.645 | 237.6E6 | 83389360 | 25.977 | 24.958 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 63795685 | 69963548 | 25.593 | 25.308 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.727 | 59739114 | 21816724 | 268.842 | 259.915 |
| 17) | L4 AR-1242-2 | 5.544 | 4.746 | 85701102 | 30166778 | 264.877 | 256.211 |
| 18) | L4 AR-1242-3 | 5.607 | 4.922 | 56076682 | 16716467 | 267.493 | 259.585 |
| 19) | L4 AR-1242-4 | 5.703 | 5.005 | 43283991 | 17011315 | 265.876 | 264.214 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 41155754 | 20184132 | 267.786 | 261.399 |

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

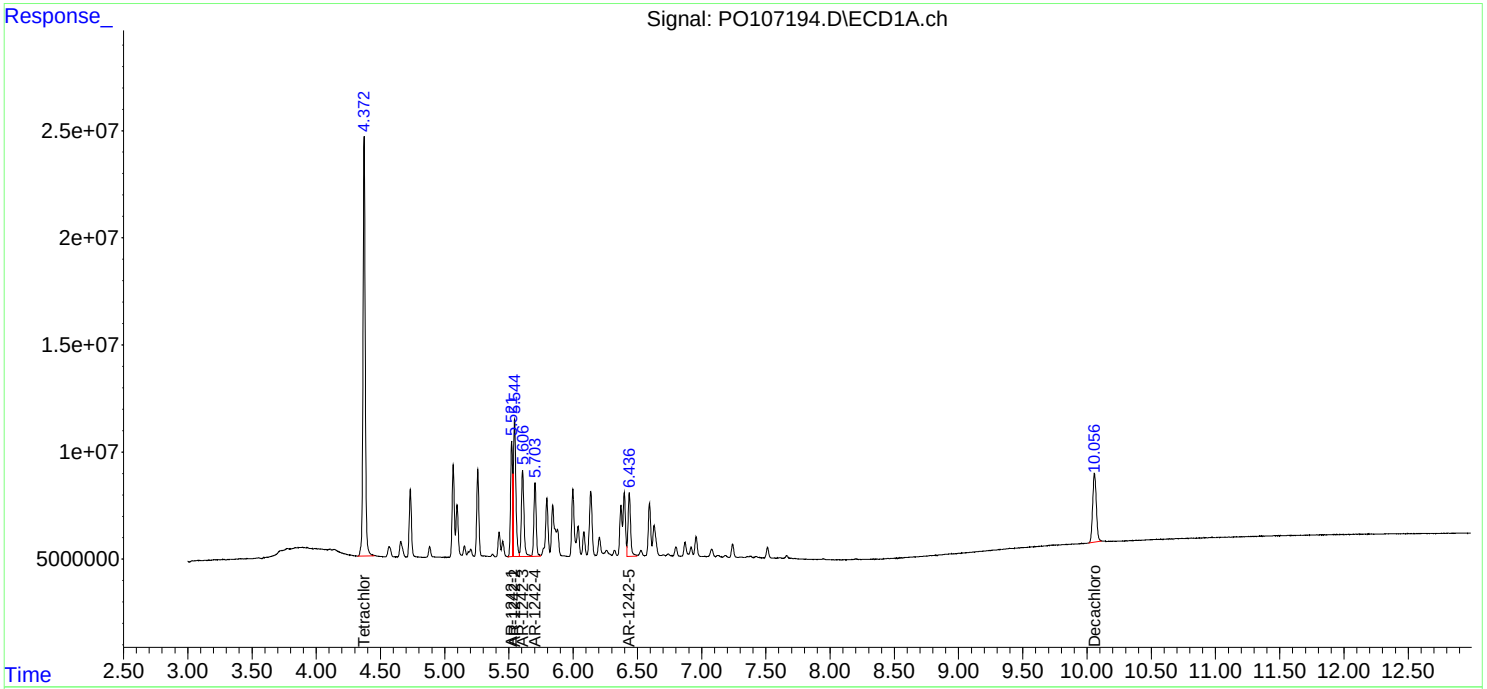
ICAL Form

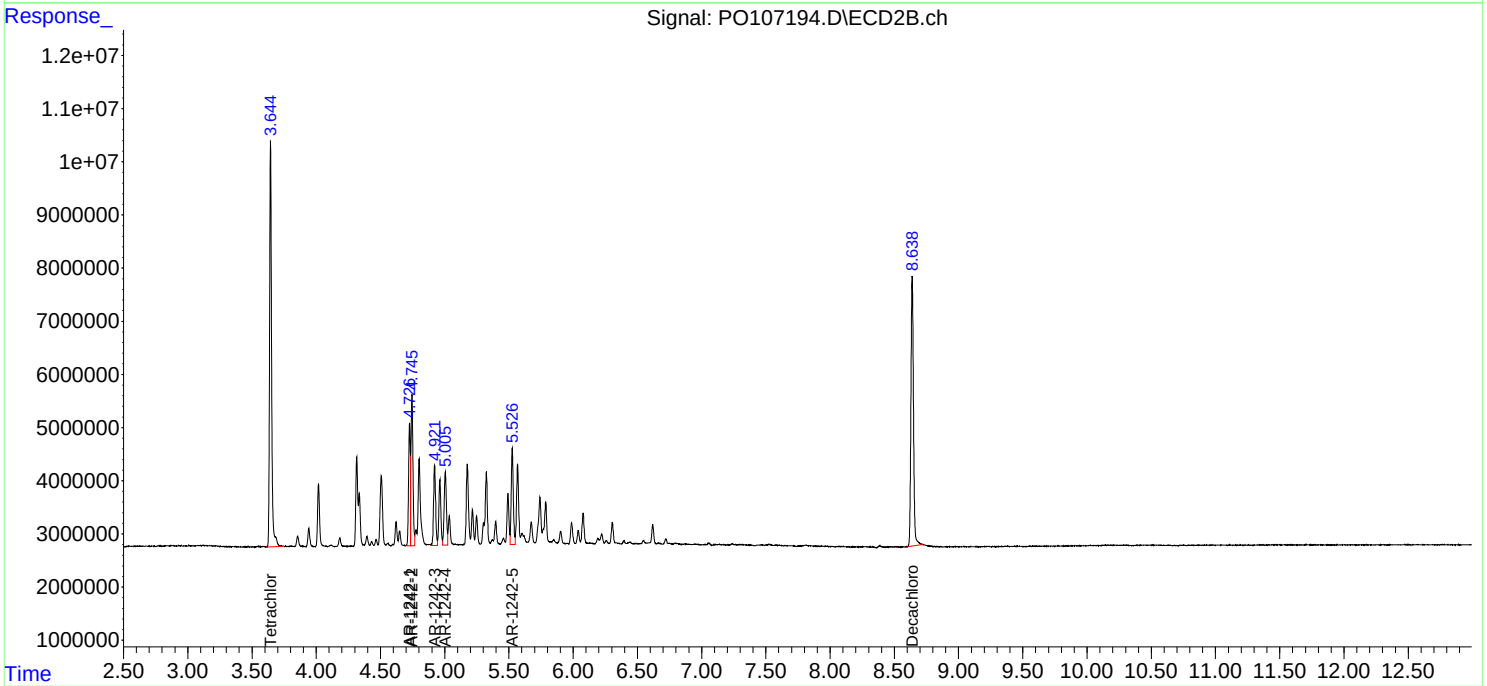
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107194.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:28
Operator : YP/AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

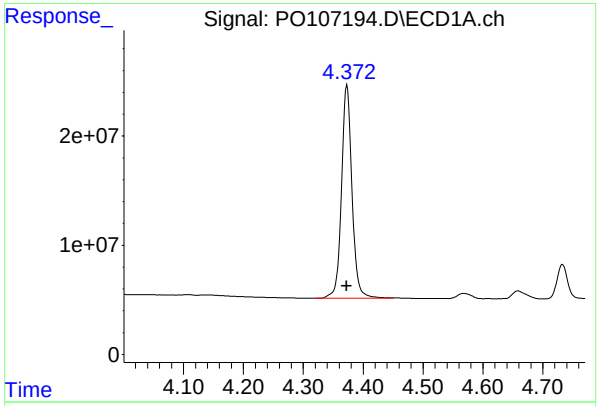
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:50:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



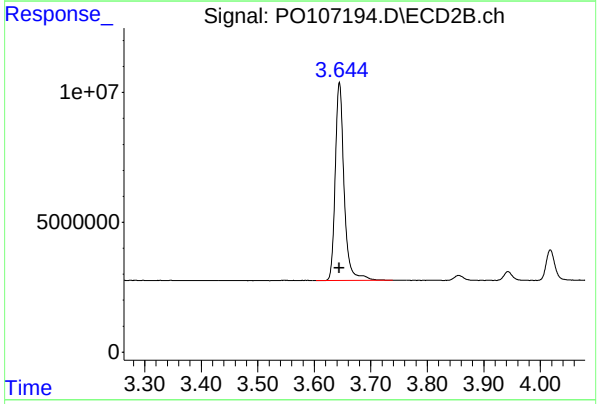






#1 Tetrachloro-m-xylene

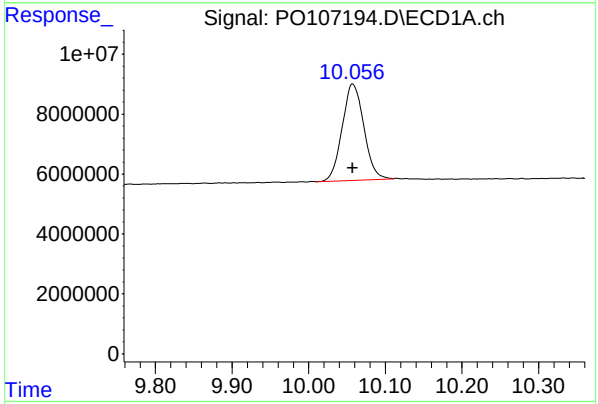
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237601886
Conc: 25.98 ng/ml

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



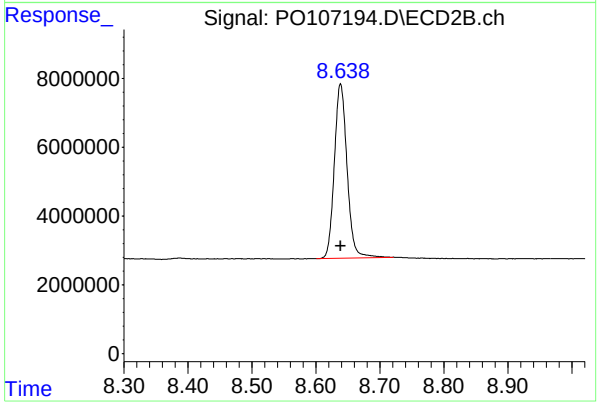

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 83389360
Conc: 24.96 ng/ml



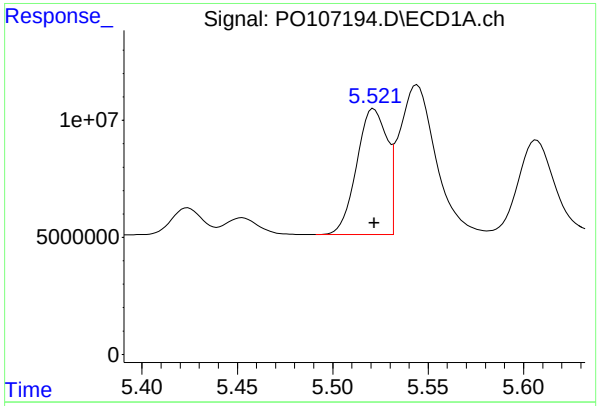

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 63795685
Conc: 25.59 ng/ml




#2 Decachlorobiphenyl

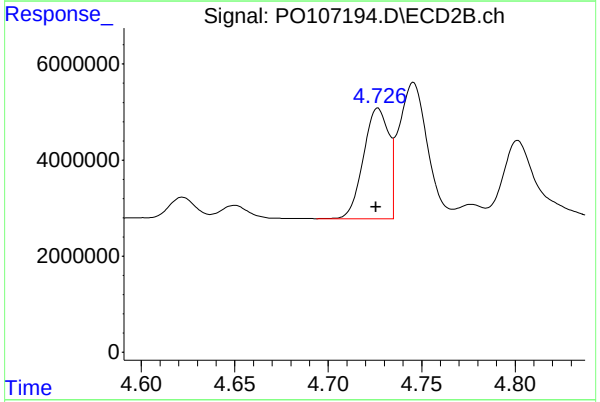
R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 69963548
Conc: 25.31 ng/ml




#16 AR-1242-1

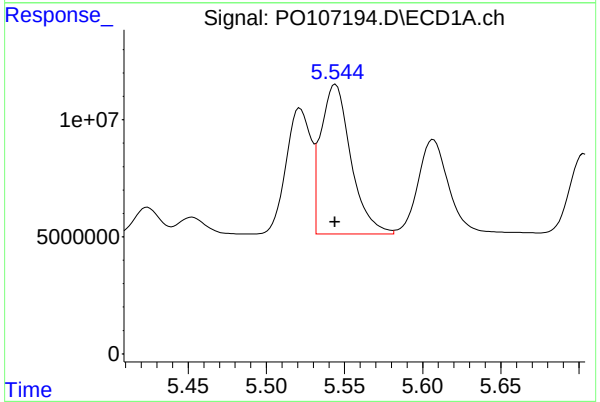
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 59739114
Conc: 268.84 ng/ml

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



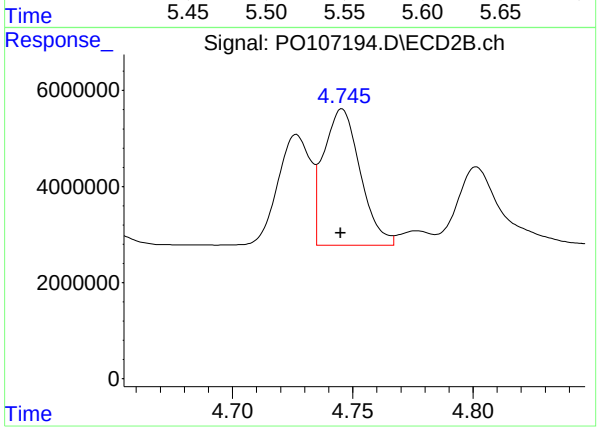

#16 AR-1242-1

R.T.: 4.727 min
Delta R.T.: 0.001 min
Response: 21816724
Conc: 259.92 ng/ml



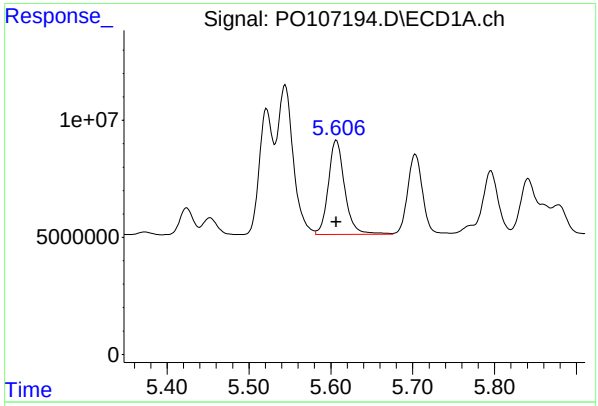

#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 85701102
Conc: 264.88 ng/ml




#17 AR-1242-2

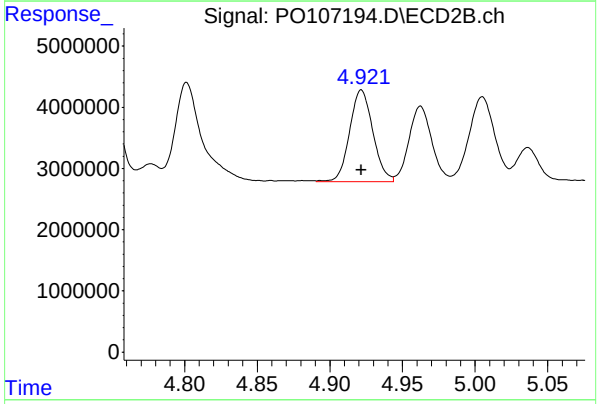
R.T.: 4.746 min
Delta R.T.: 0.000 min
Response: 30166778
Conc: 256.21 ng/ml




#18 AR-1242-3

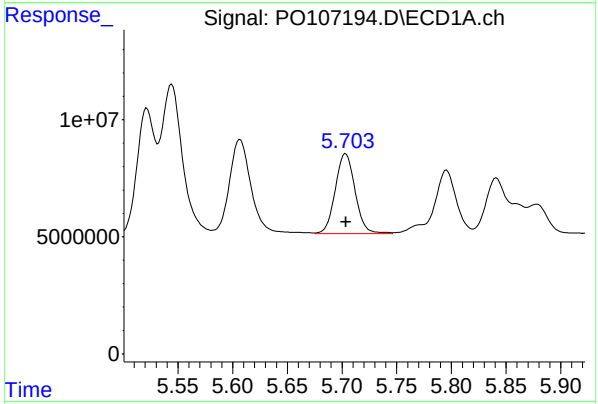
R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 56076682
Conc: 267.49 ng/ml

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



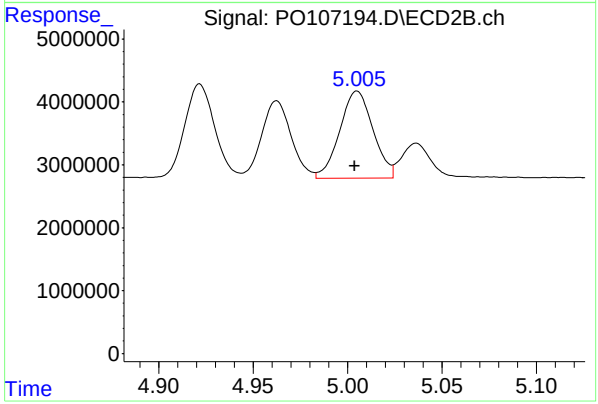

#18 AR-1242-3

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 16716467
Conc: 259.58 ng/ml



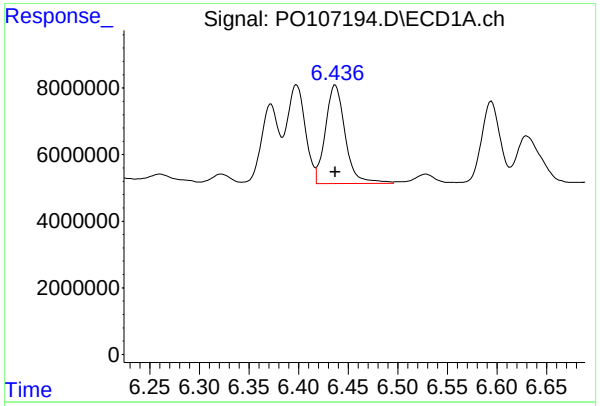

#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 43283991
Conc: 265.88 ng/ml




#19 AR-1242-4

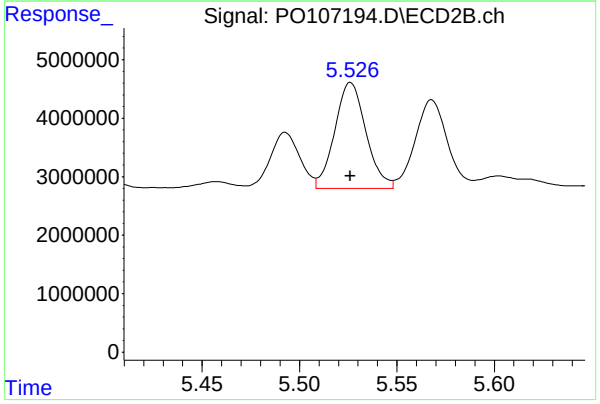
R.T.: 5.005 min
Delta R.T.: 0.001 min
Response: 17011315
Conc: 264.21 ng/ml




#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 41155754
Conc: 267.79 ng/ml

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




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 20184132
Conc: 261.40 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
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: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 45874144 | 14600377 | 5.015 | 4.370 |
| 2) | SA Decachlor... | 10.055 | 8.638 | 12132051 | 13326327 | 4.867 | 4.821 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.521 | 4.726 | 12176144 | 4333712 | 54.796 | 51.630 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 17442944 | 5701582 | 53.911 | 48.424 |
| 18) | L4 AR-1242-3 | 5.606 | 4.921 | 11292382 | 3181204 | 53.866 | 49.400 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 8415437 | 3329911 | 51.693 | 51.719 |
| 20) | L4 AR-1242-5 | 6.437 | 5.526 | 8983989 | 4011331 | 58.456 | 51.950 |

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

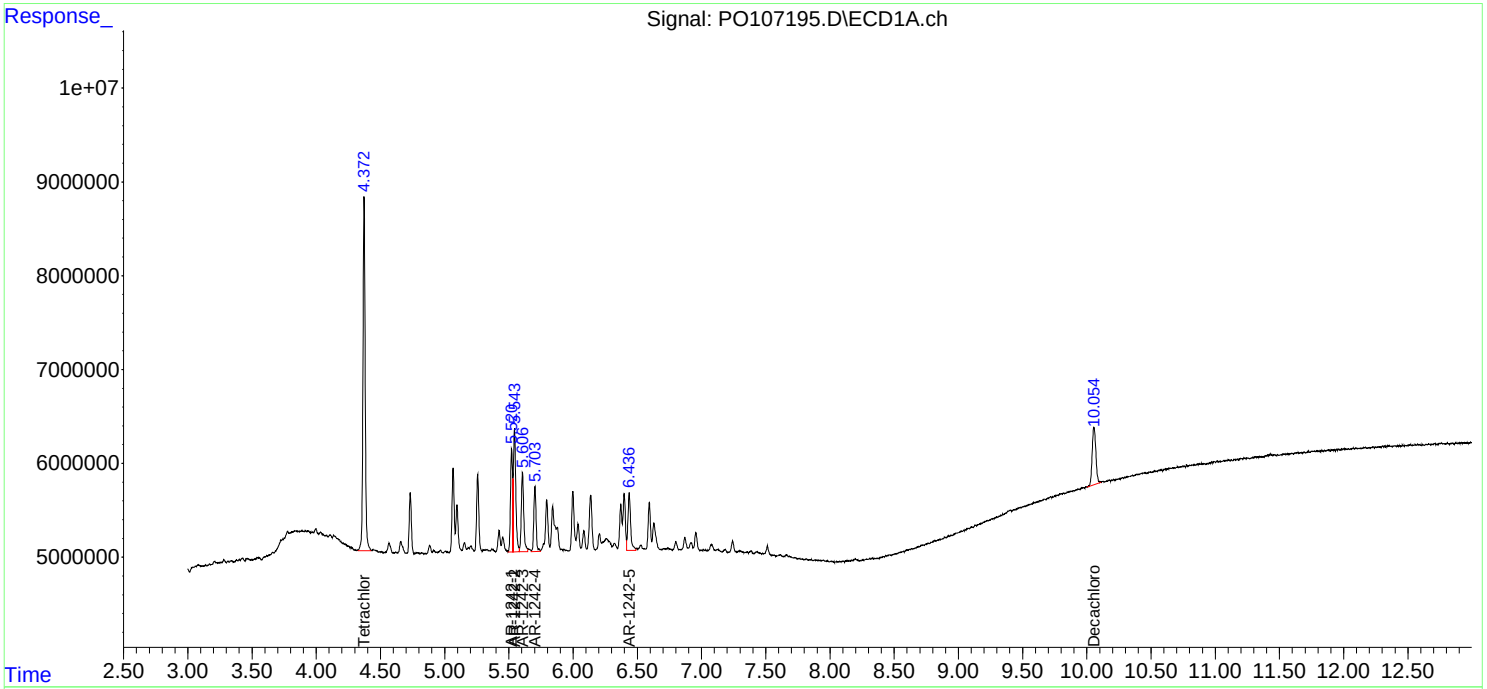
ICAL Form

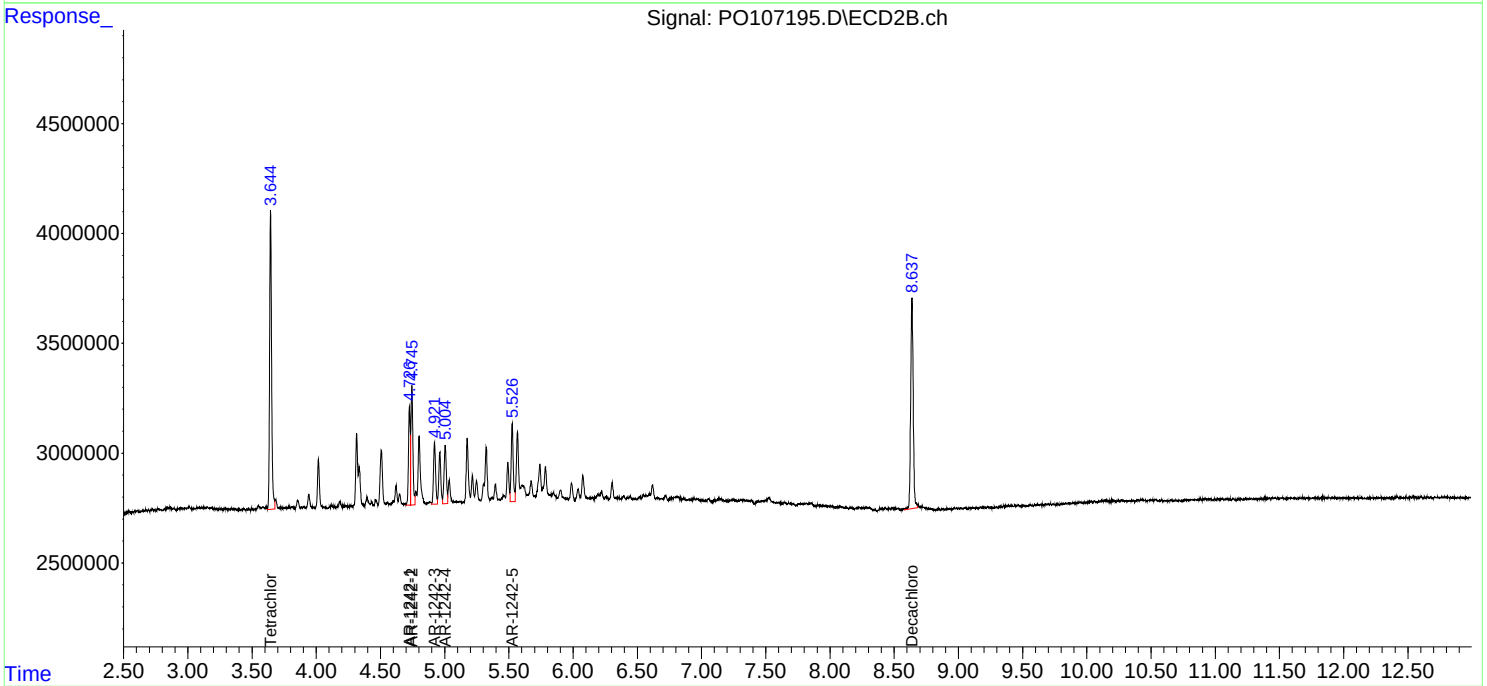
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 21:46
Operator : YP/AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

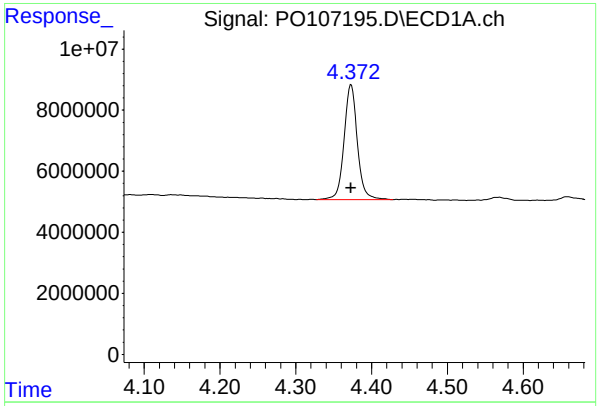
**Instrument :**
ECD_O
**ClientSampleId :**
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 01:51:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 01:48:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



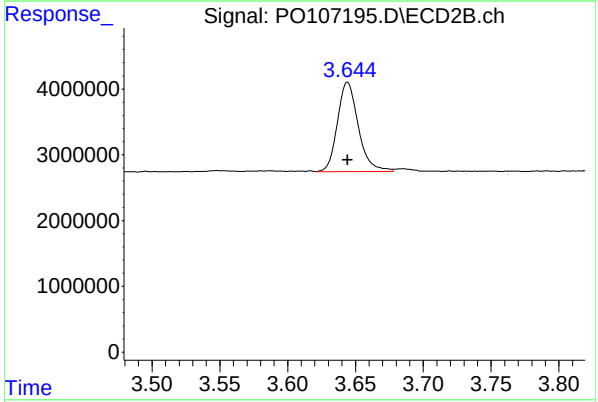






#1 Tetrachloro-m-xylene

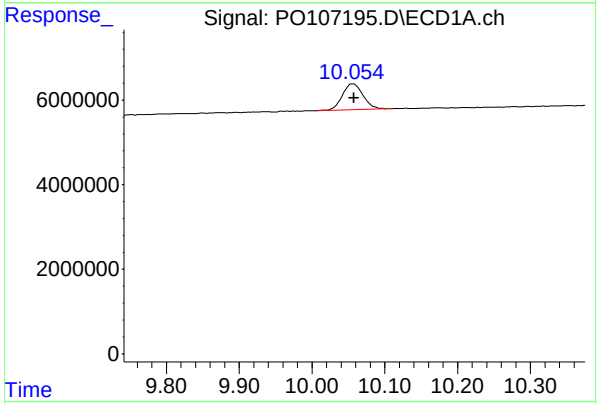
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 45874144
Conc: 5.02 ng/ml

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



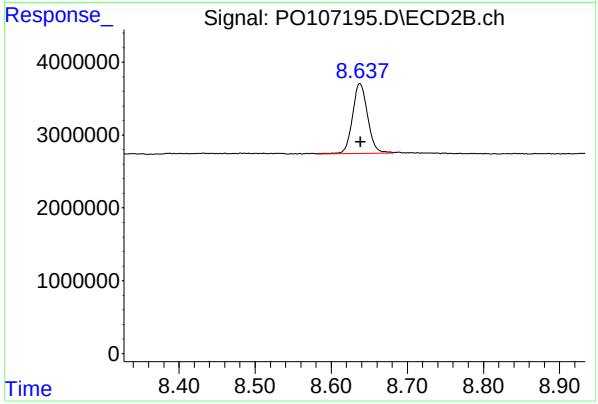

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14600377
Conc: 4.37 ng/ml



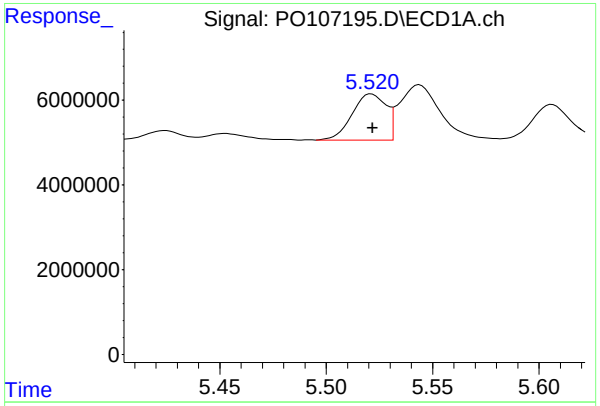

#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.002 min
Response: 12132051
Conc: 4.87 ng/ml




#2 Decachlorobiphenyl

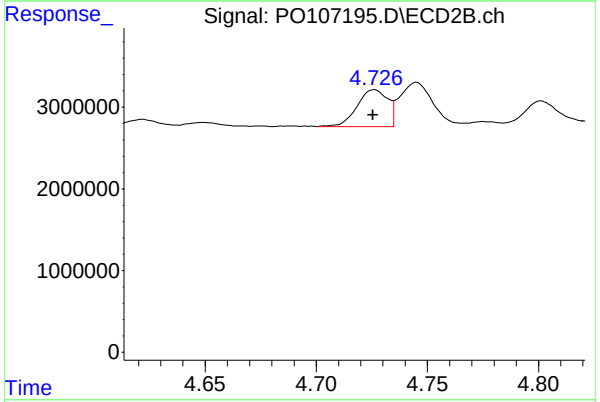
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13326327
Conc: 4.82 ng/ml




#16 AR-1242-1

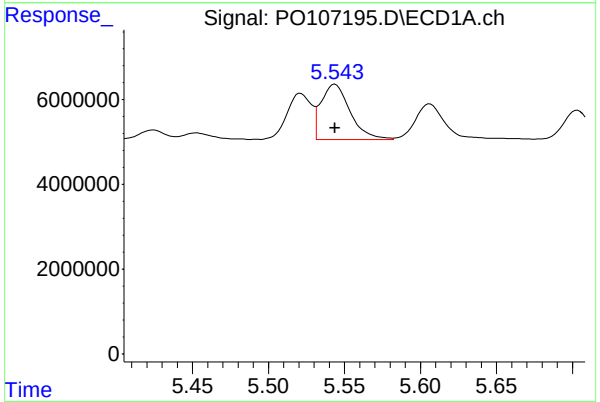
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 12176144
Conc: 54.80 ng/ml

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



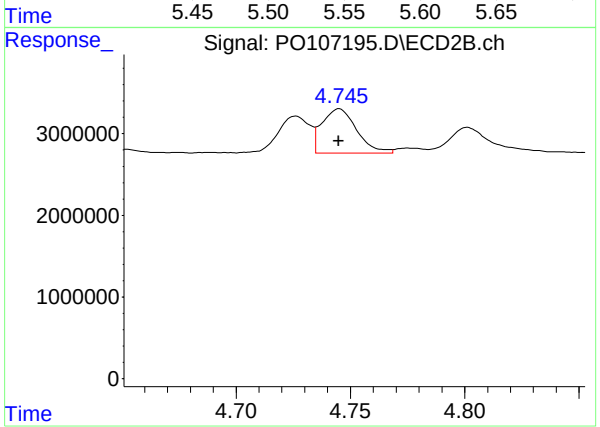

#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 4333712
Conc: 51.63 ng/ml



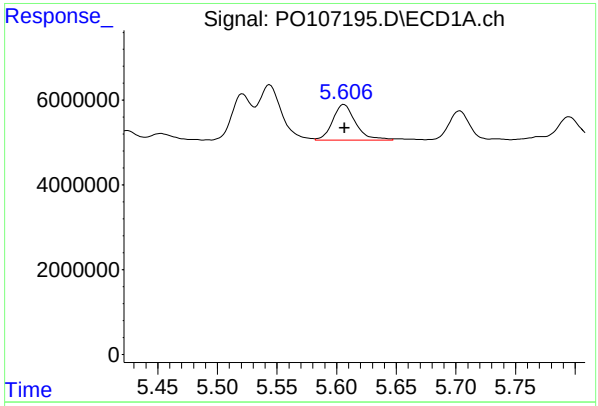

#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 17442944
Conc: 53.91 ng/ml




#17 AR-1242-2

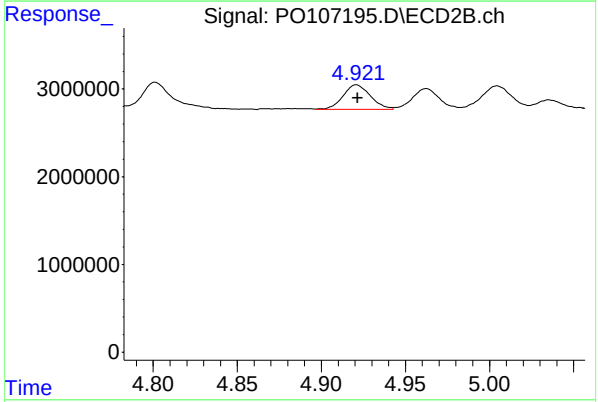
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 5701582
Conc: 48.42 ng/ml




#18 AR-1242-3

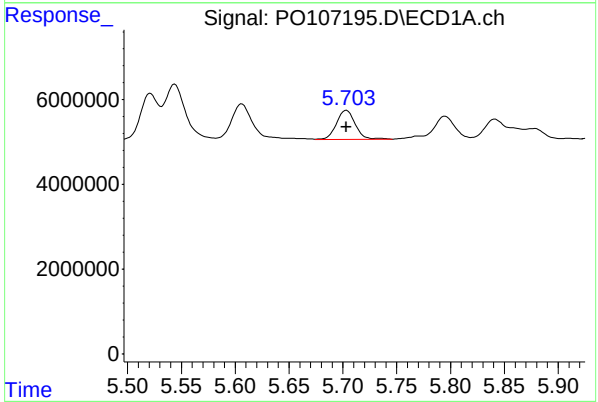
R.T.: 5.606 min
Delta R.T.: 0.000 min
Response: 11292382
Conc: 53.87 ng/ml

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



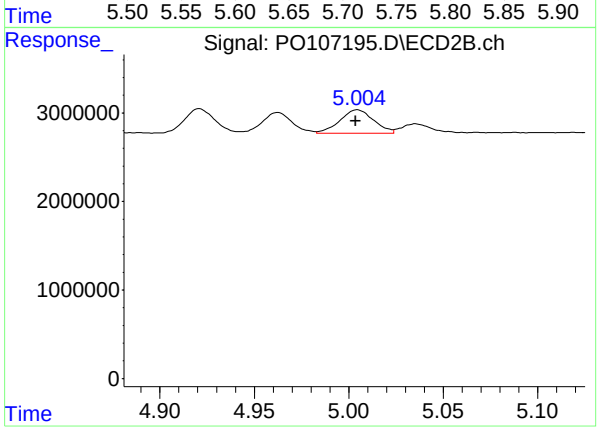

#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 3181204
Conc: 49.40 ng/ml



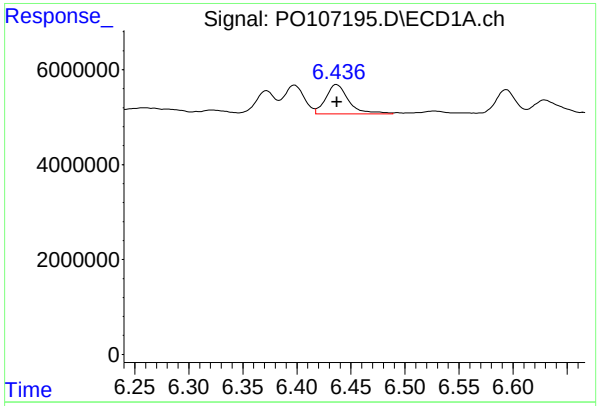

#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 8415437
Conc: 51.69 ng/ml




#19 AR-1242-4

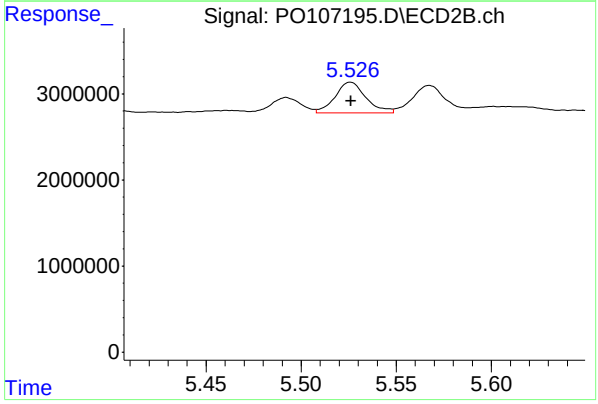
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 3329911
Conc: 51.72 ng/ml




#20 AR-1242-5

R.T.: 6.437 min
Delta R.T.: 0.000 mi
Response: 8983989
Conc: 58.46 ng/m

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




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 4011331
Conc: 51.95 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
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: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 871.9E6 | 327.8E6 | 93.167 | 95.697 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 234.0E6 | 266.9E6 | 93.438 | 95.612 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 155.9E6 | 60218805 | 889.958 | 928.169 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 222.8E6 | 85173308 | 878.597 | 915.232 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 231.9E6 | 89257070 | 892.951 | 916.605 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 237.2E6 | 105.9E6 | 910.480 | 923.092 |
| 25) | L5 AR-1248-5 | 6.437 | 5.567 | 236.3E6 | 102.8E6 | 906.188 | 936.492 |

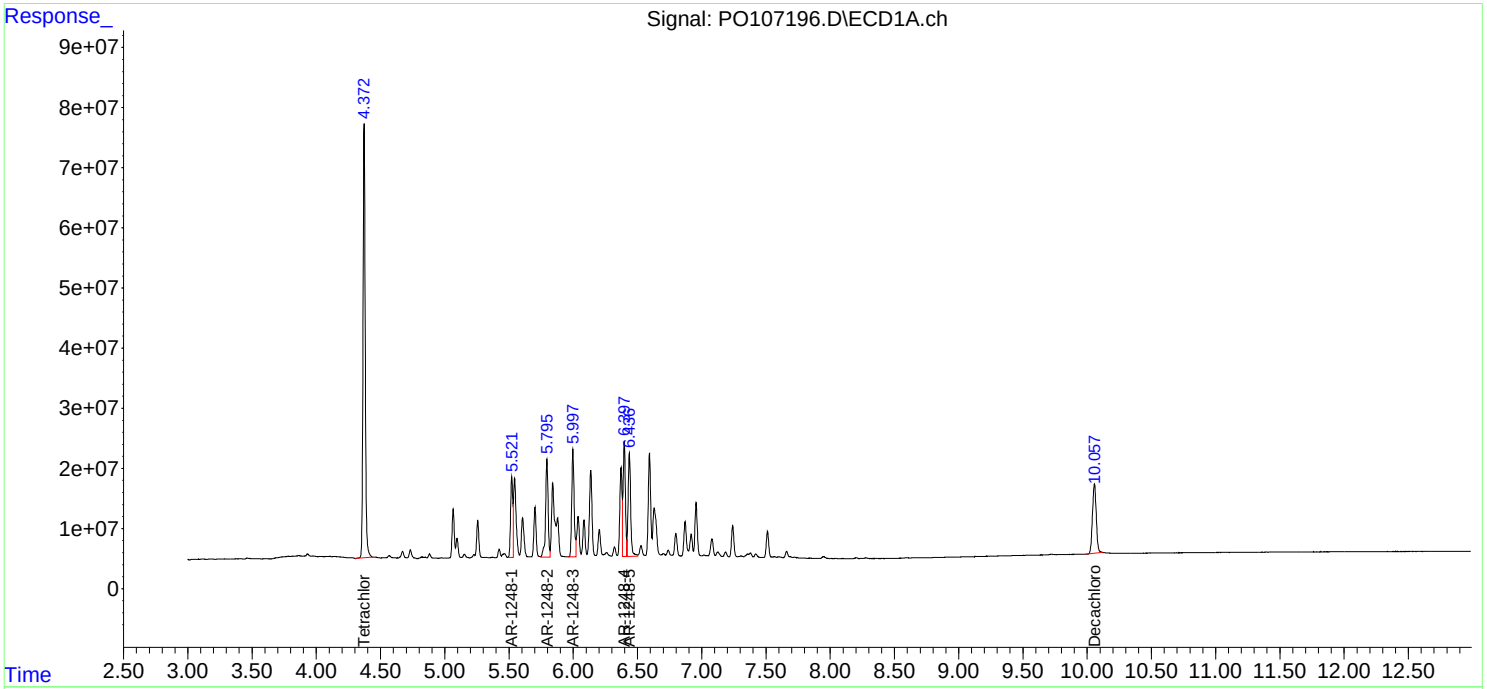
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

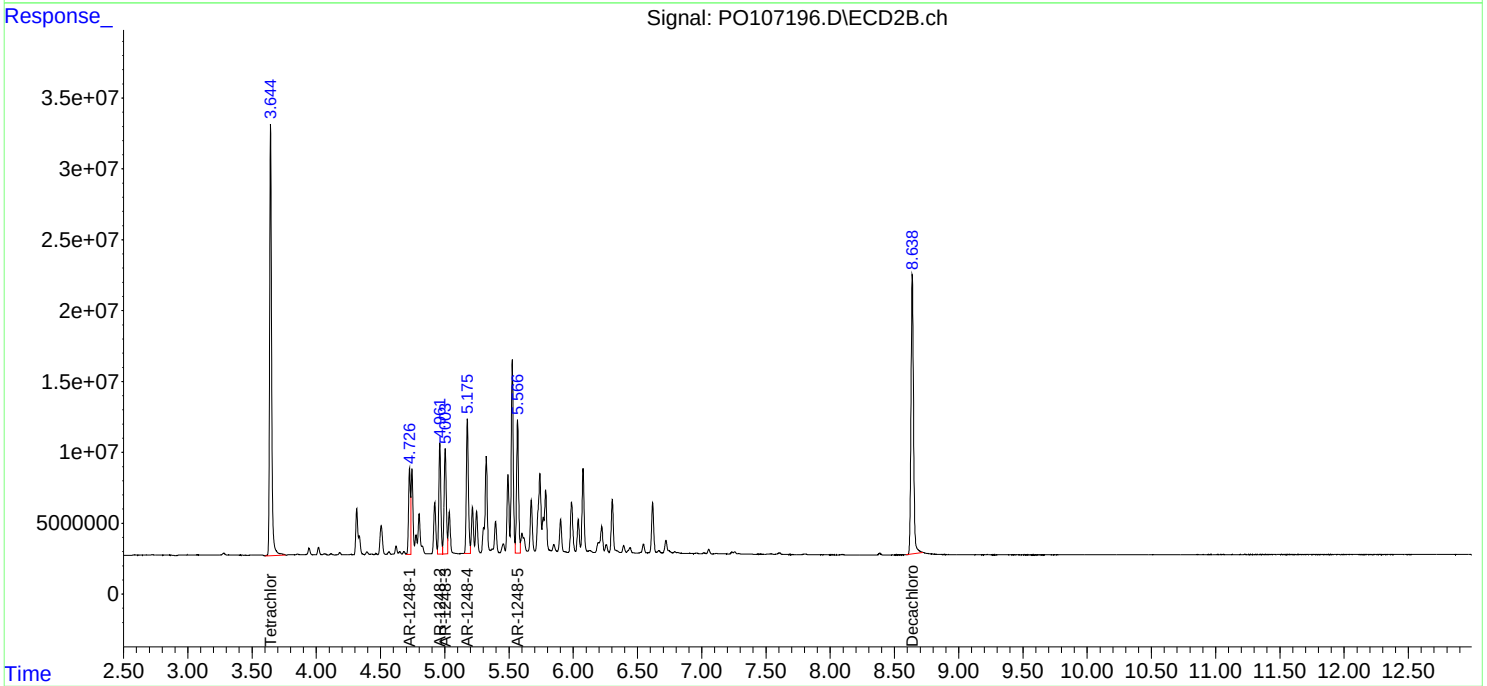
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:04
Operator : YP/AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

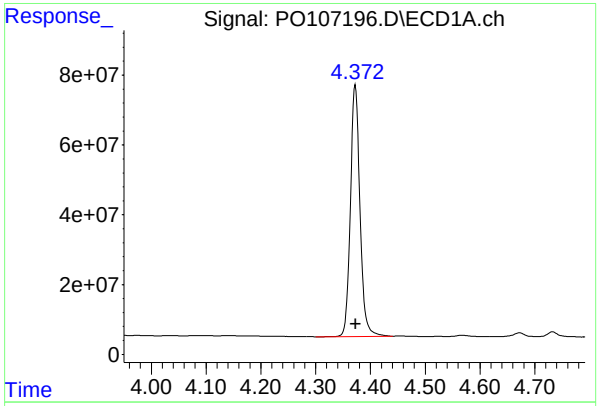
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



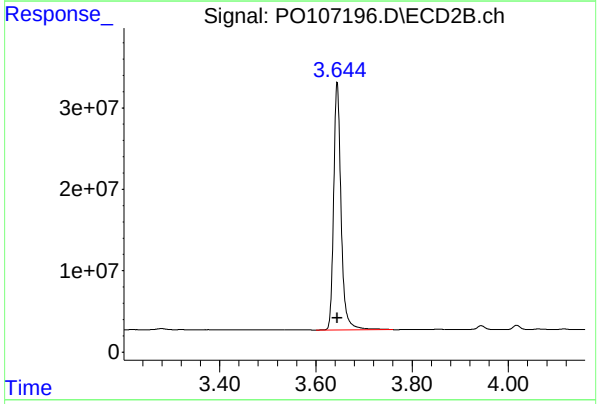






#1 Tetrachloro-m-xylene

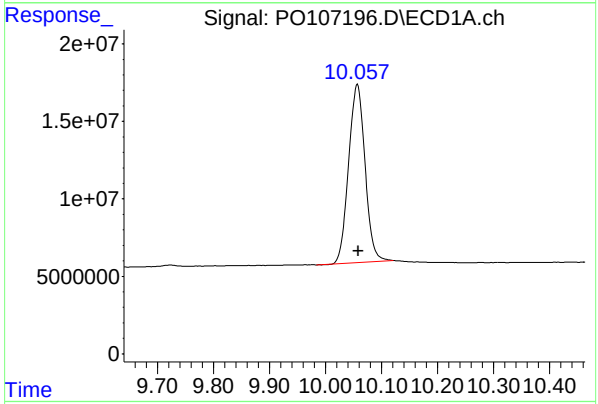
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 871940361
Conc: 93.17 ng/ml

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



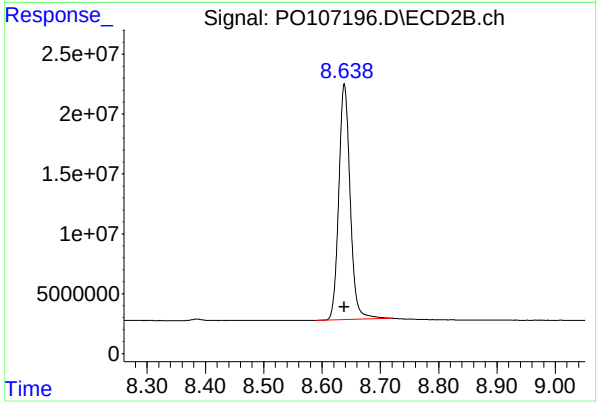

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 327841760
Conc: 95.70 ng/ml



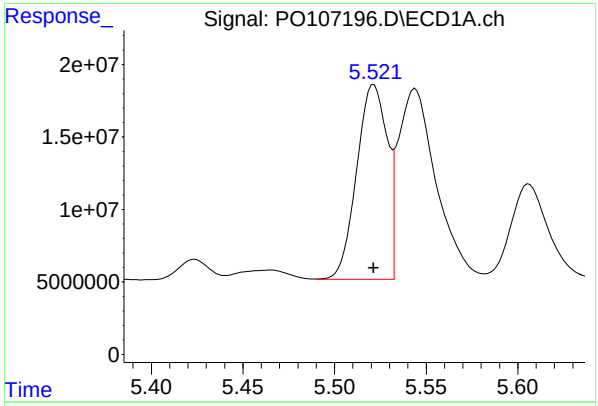

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 233978058
Conc: 93.44 ng/ml




#2 Decachlorobiphenyl

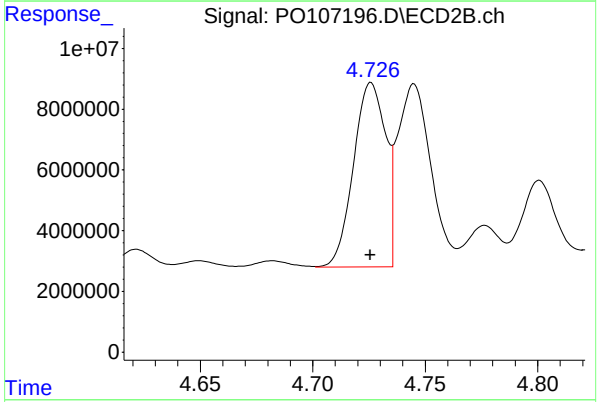
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 266936581
Conc: 95.61 ng/ml




#21 AR-1248-1

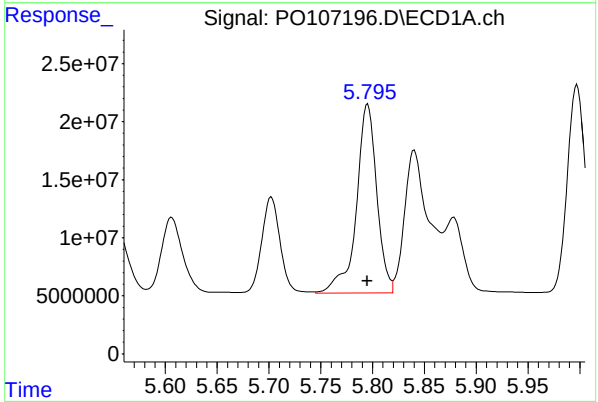
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 155913014
Conc: 889.96 ng/ml

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



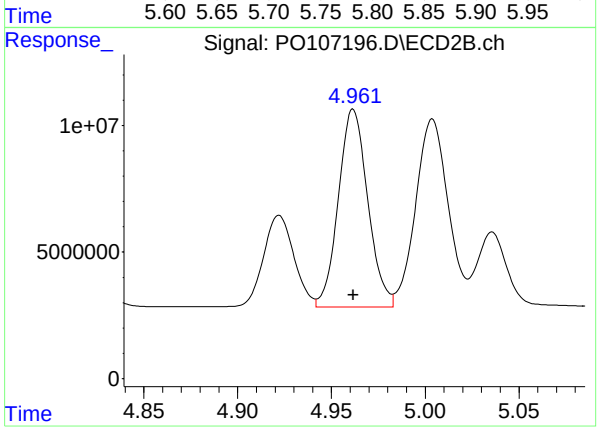

#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 60218805
Conc: 928.17 ng/ml



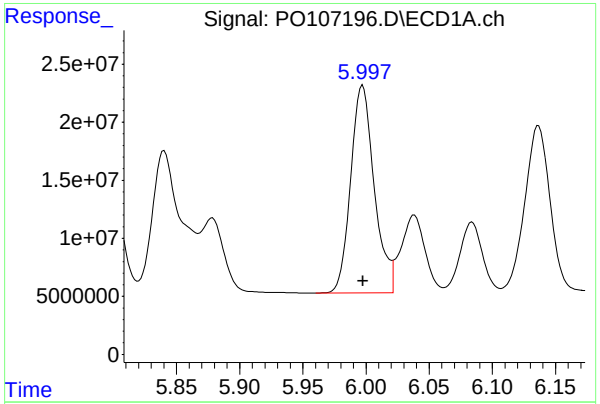

#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 222845576
Conc: 878.60 ng/ml




#22 AR-1248-2

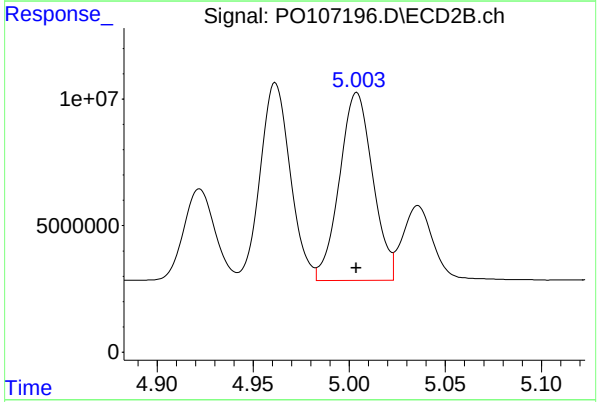
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 85173308
Conc: 915.23 ng/ml




#23 AR-1248-3

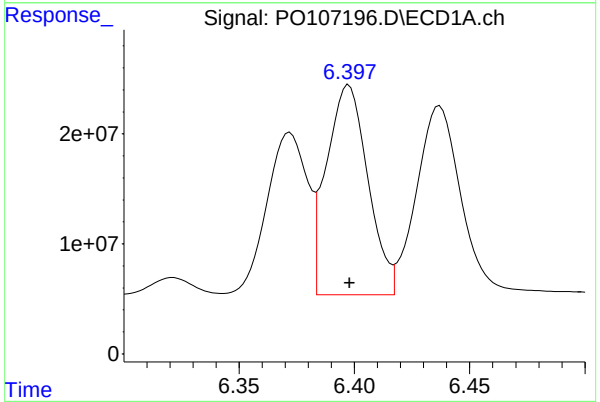
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 231904923
Conc: 892.95 ng/ml

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



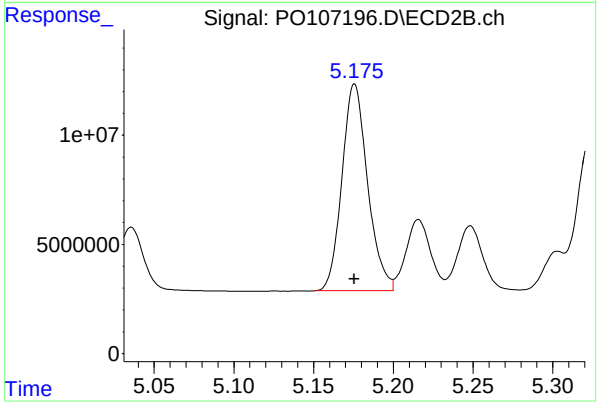

#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 89257070
Conc: 916.61 ng/ml



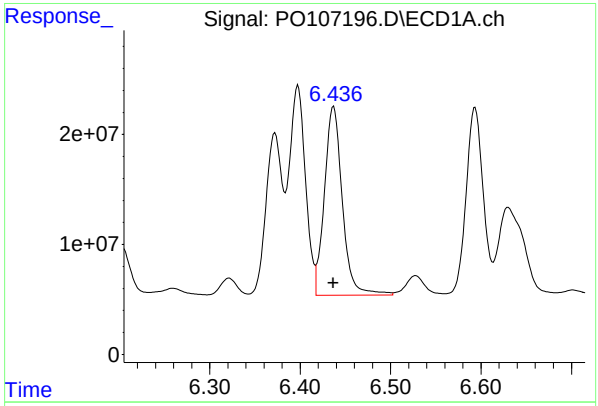

#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 237210289
Conc: 910.48 ng/ml




#24 AR-1248-4

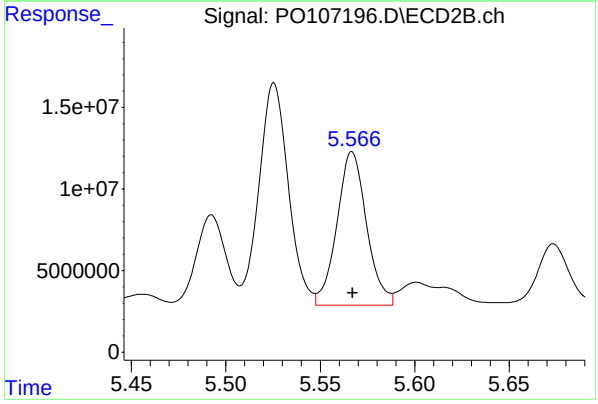
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 105934439
Conc: 923.09 ng/ml




#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 236273499
Conc: 906.19 ng/ml

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




#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 102828085
Conc: 936.49 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
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: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 684.0E6 | 254.2E6 | 73.085 | 74.199 |
| 2) | SA Decachlor... | 10.056 | 8.638 | 177.9E6 | 201.2E6 | 71.030 | 72.062 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 123.6E6 | 47278639 | 705.517 | 728.719 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 178.7E6 | 66831271 | 704.358 | 718.137 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 184.7E6 | 69919958 | 711.094 | 718.027 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 185.0E6 | 82899838 | 709.988 | 722.373 |
| 25) | L5 AR-1248-5 | 6.437 | 5.568 | 184.9E6 | 79019739 | 709.319 | 719.661 |

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

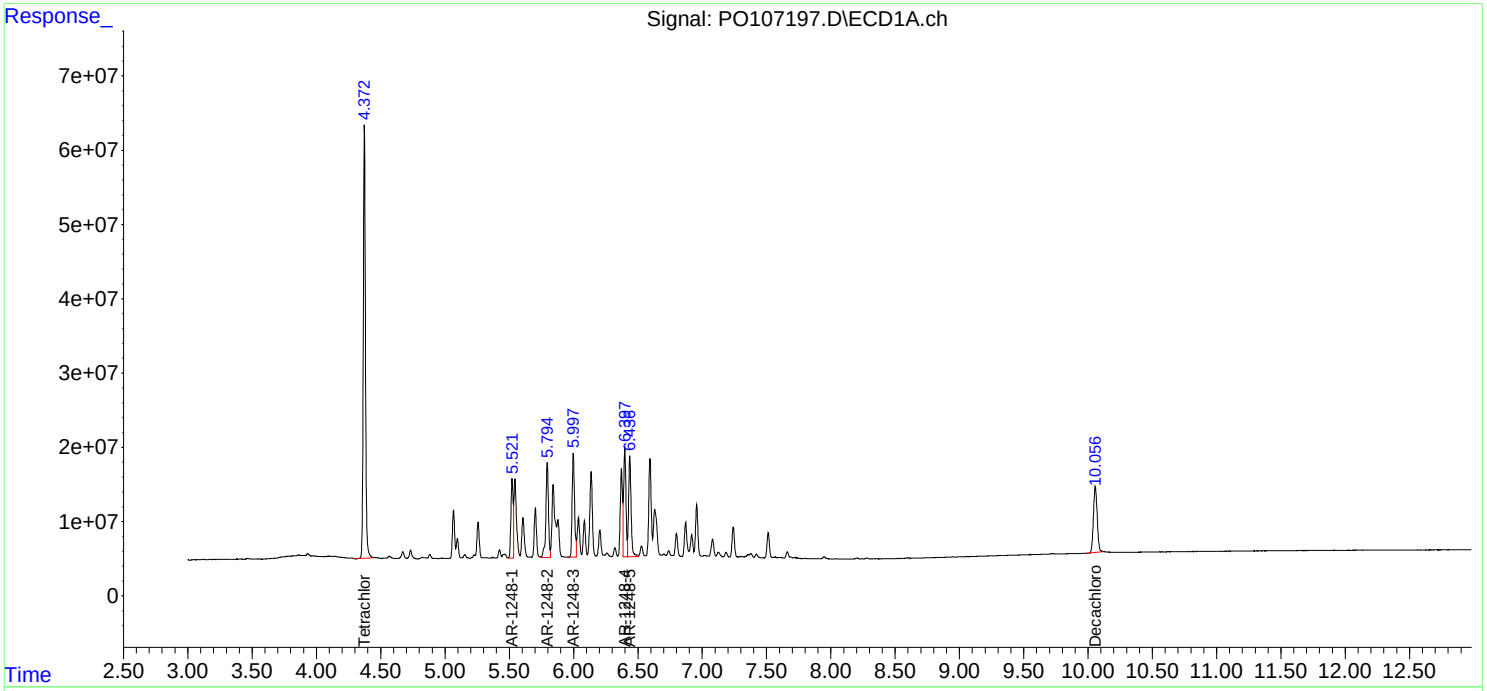
ICAL Form

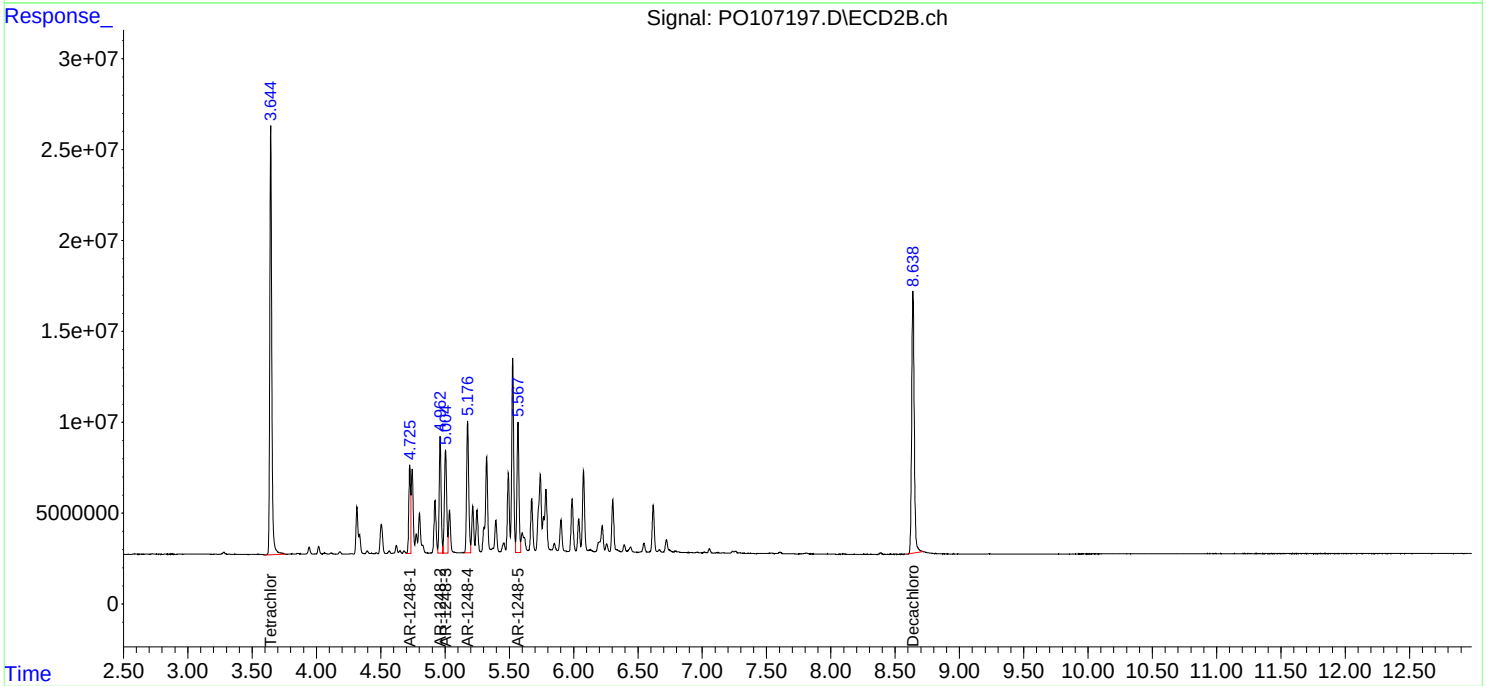
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:22
Operator : YP/AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

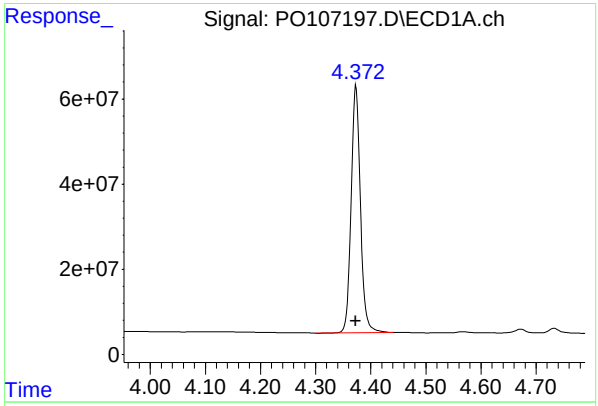
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



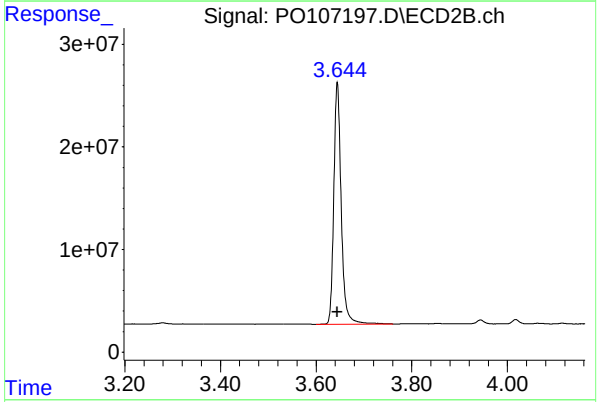






#1 Tetrachloro-m-xylene

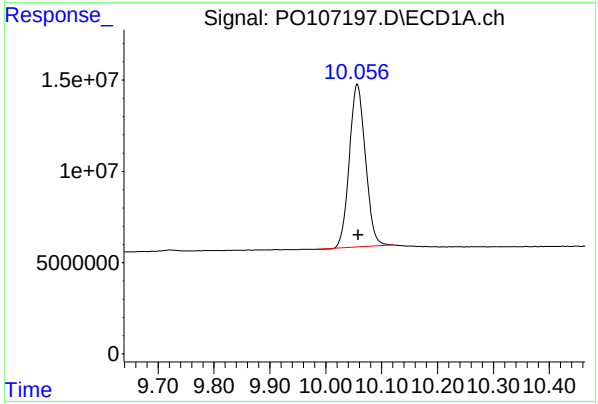
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 683999452
Conc: 73.09 ng/ml

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



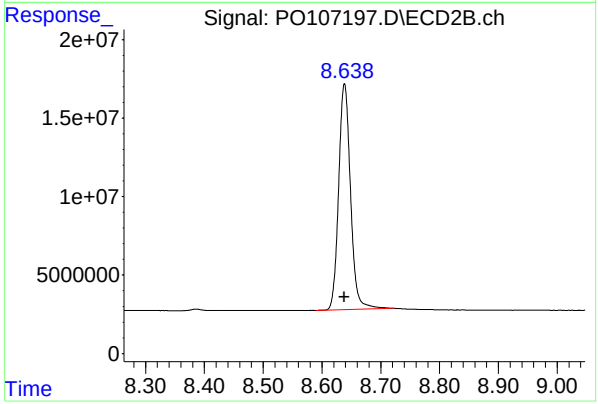

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254192958
Conc: 74.20 ng/ml



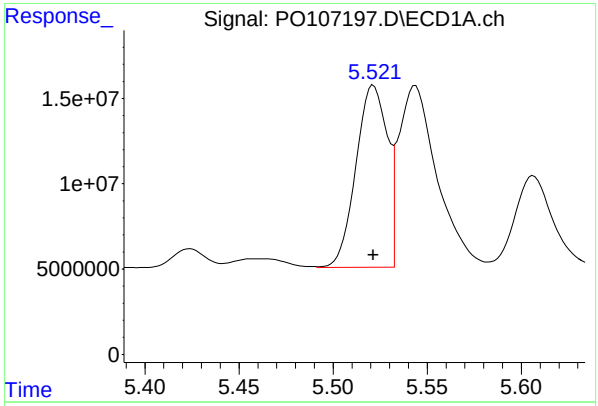

#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 177864976
Conc: 71.03 ng/ml




#2 Decachlorobiphenyl

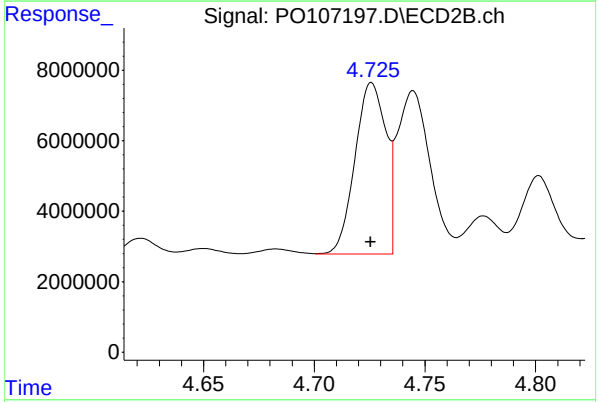
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 201187288
Conc: 72.06 ng/ml




#21 AR-1248-1

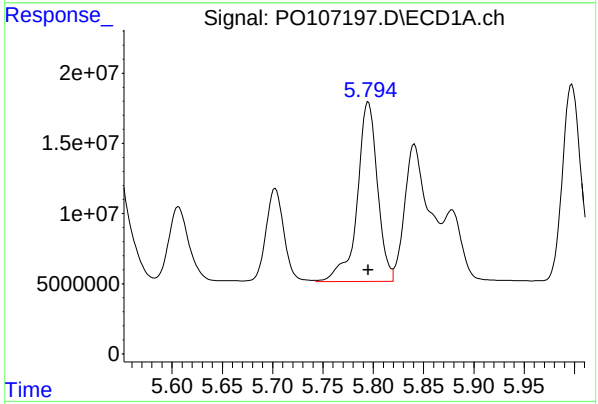
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 123600501
Conc: 705.52 ng/ml

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



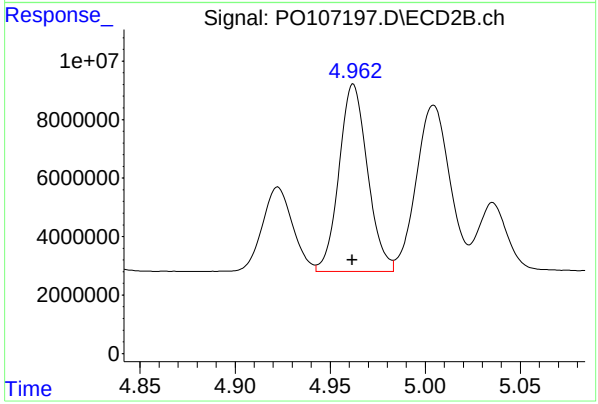

#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 47278639
Conc: 728.72 ng/ml



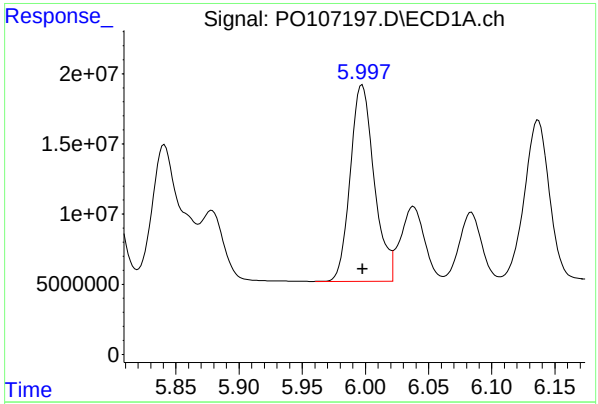

#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 178651866
Conc: 704.36 ng/ml




#22 AR-1248-2

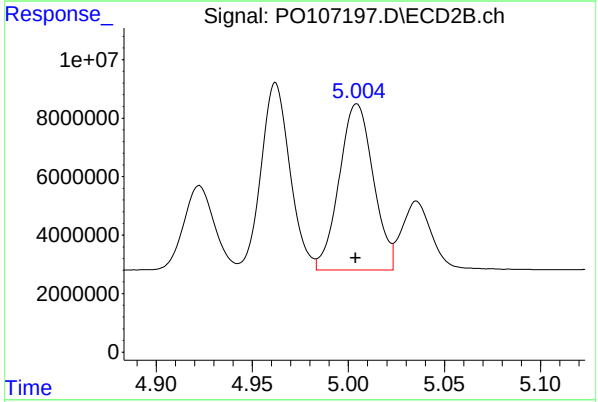
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 66831271
Conc: 718.14 ng/ml




#23 AR-1248-3

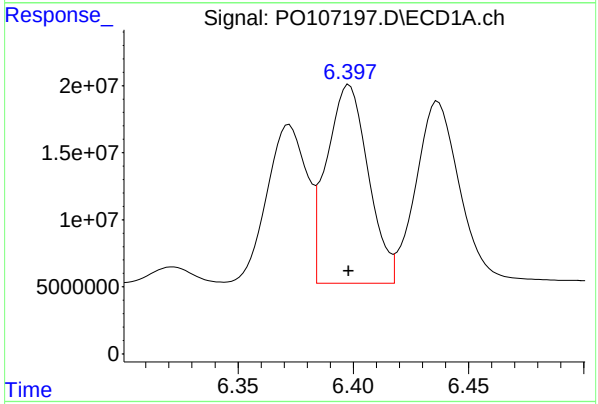
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 184675314
Conc: 711.09 ng/ml

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



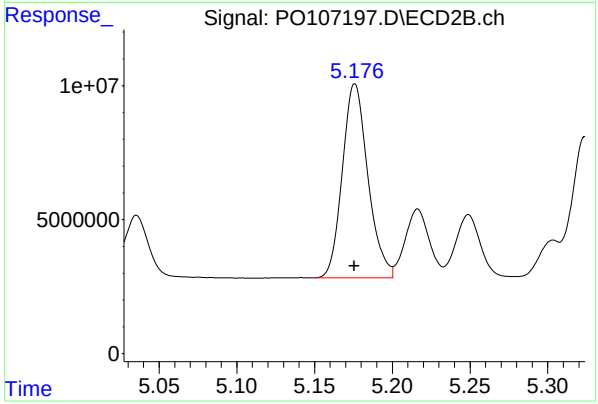

#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 69919958
Conc: 718.03 ng/ml



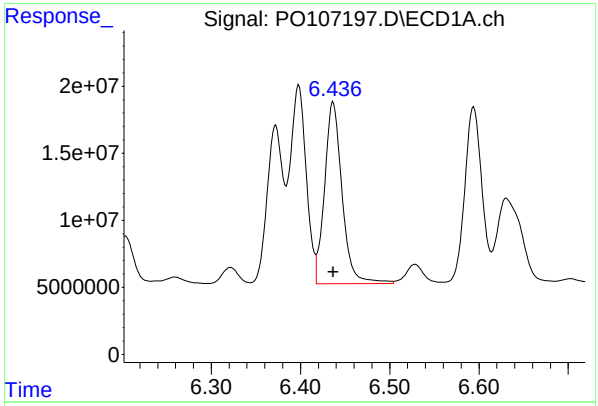

#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 184975399
Conc: 709.99 ng/ml




#24 AR-1248-4

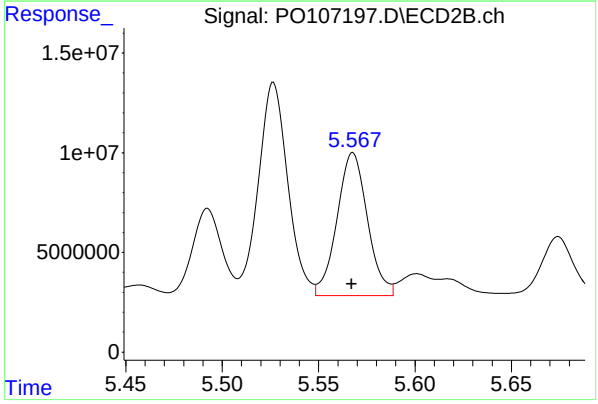
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 82899838
Conc: 722.37 ng/ml




#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 min
Response: 184943304
Conc: 709.32 ng/ml

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




#25 AR-1248-5

R.T.: 5.568 min
Delta R.T.: 0.000 min
Response: 79019739
Conc: 719.66 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
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: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.373 | 3.644 | 467.9E6 | 171.3E6 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.058 | 8.638 | 125.2E6 | 139.6E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) L5 | AR-1248-1 | 5.521 | 4.726 | 87595666 | 32439560 | 500.000 | 500.000 |
| 22) L5 | AR-1248-2 | 5.795 | 4.962 | 126.8E6 | 46530975 | 500.000 | 500.000 |
| 23) L5 | AR-1248-3 | 5.998 | 5.004 | 129.9E6 | 48688939 | 500.000 | 500.000 |
| 24) L5 | AR-1248-4 | 6.398 | 5.176 | 130.3E6 | 57380206 | 500.000 | 500.000 |
| 25) L5 | AR-1248-5 | 6.437 | 5.567 | 130.4E6 | 54900690 | 500.000 | 500.000 |

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

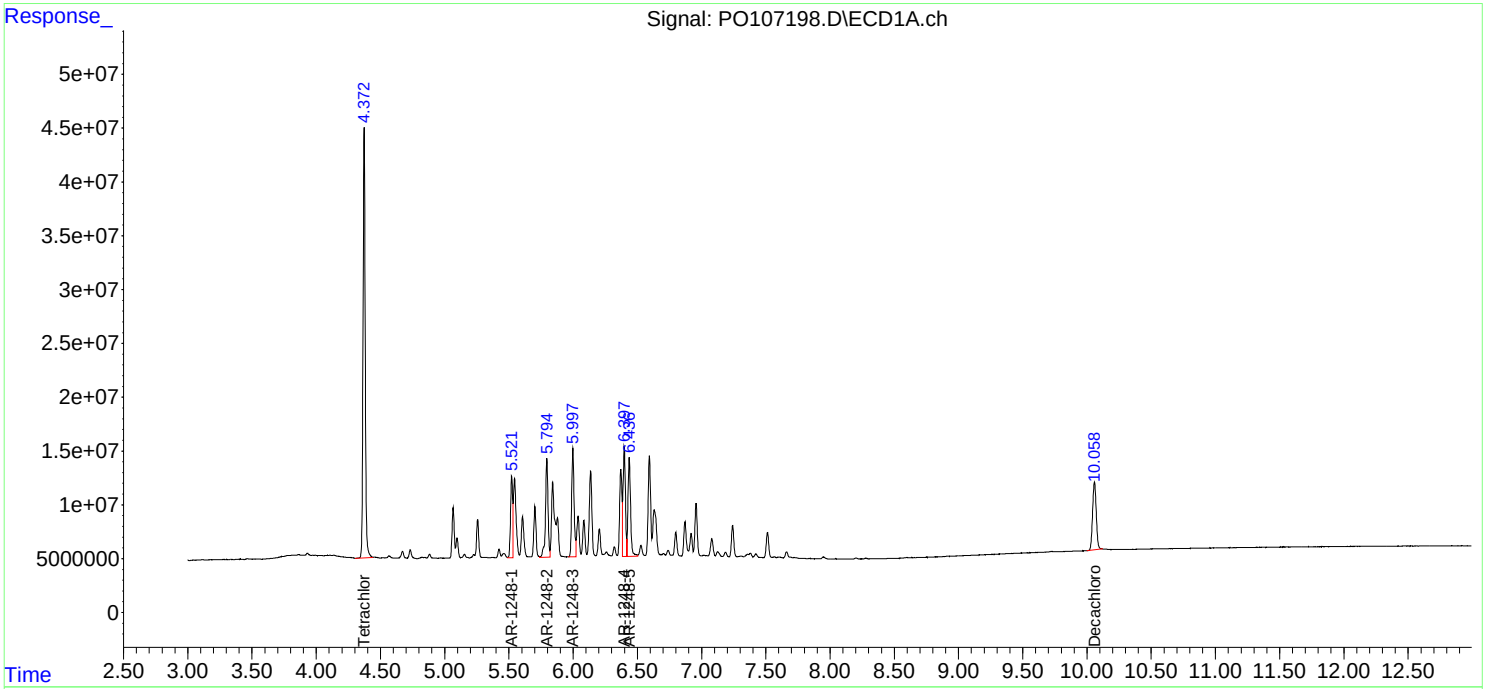
ICAL Form

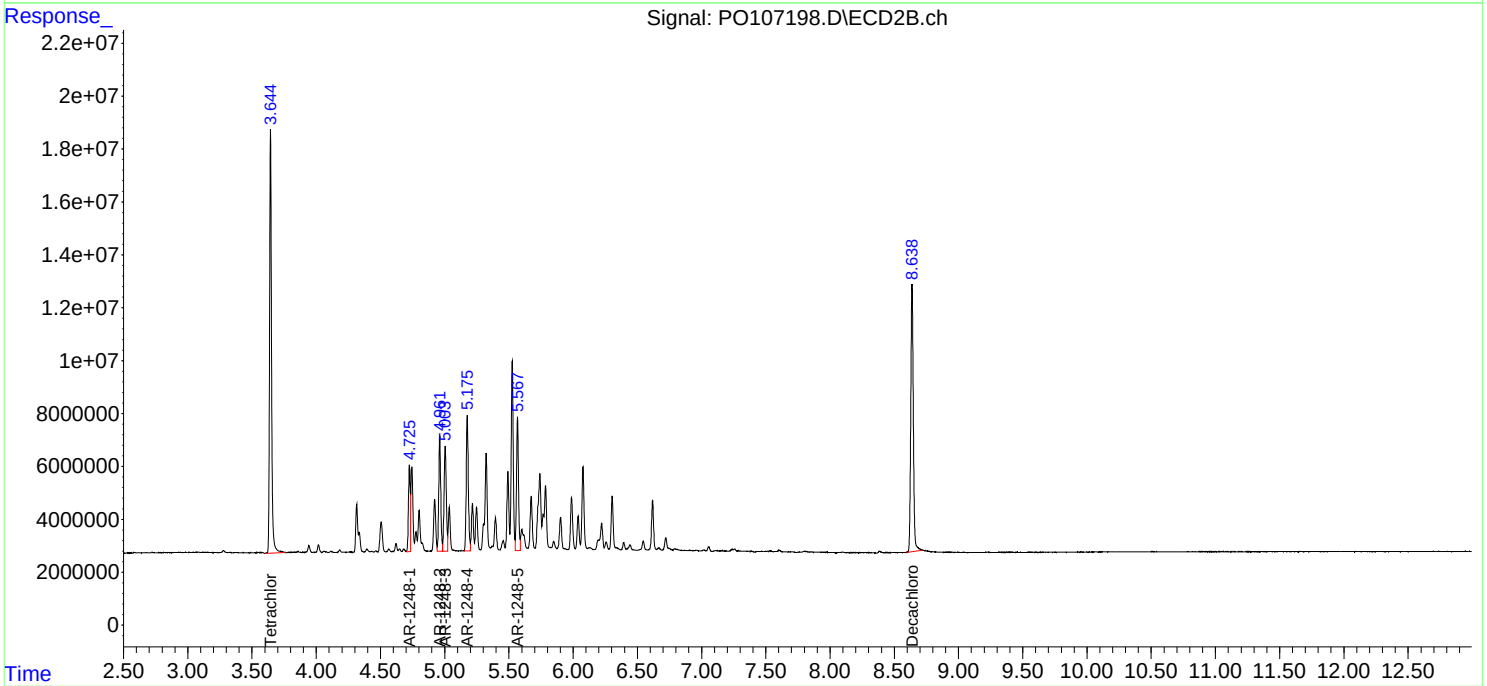
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:41
Operator : YP/AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

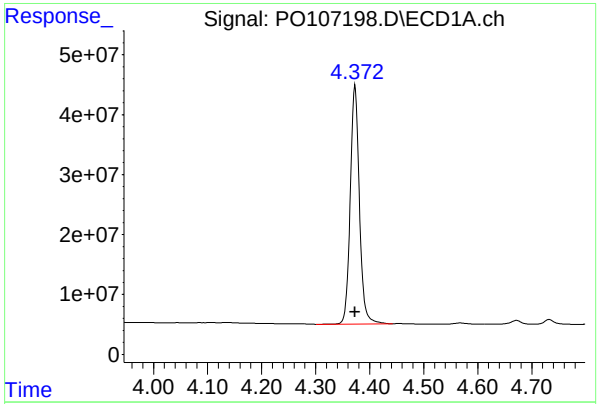
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



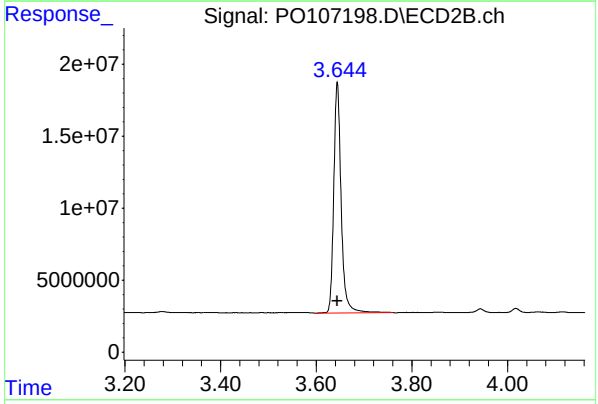






#1 Tetrachloro-m-xylene

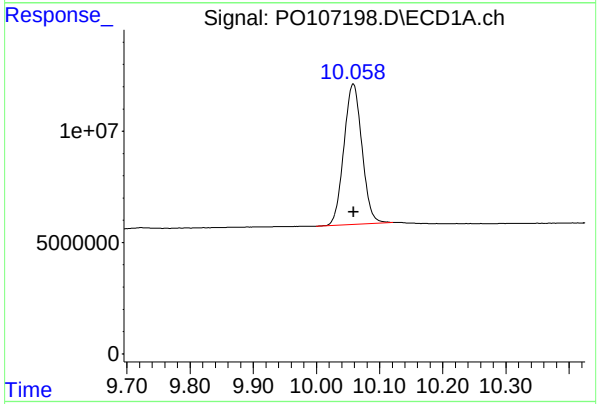
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 467945209
Conc: 50.00 ng/ml

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



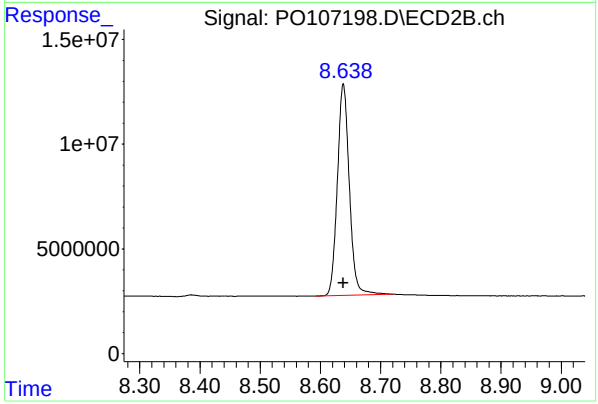

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171291824
Conc: 50.00 ng/ml



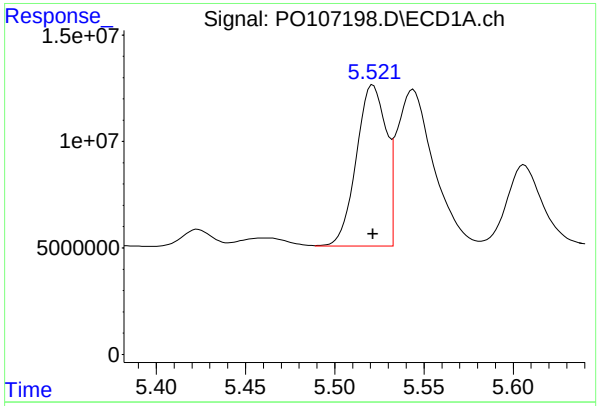

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 125204484
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

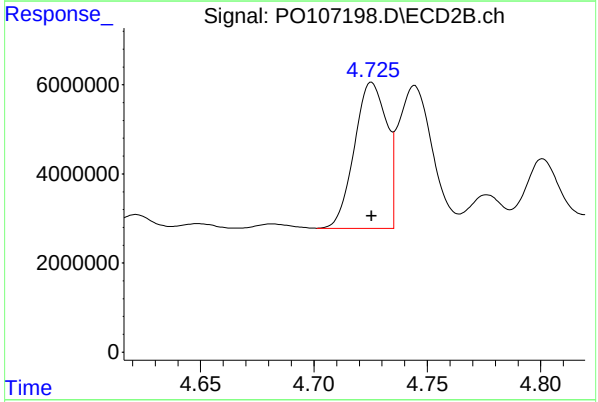
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 139593685
Conc: 50.00 ng/ml




#21 AR-1248-1

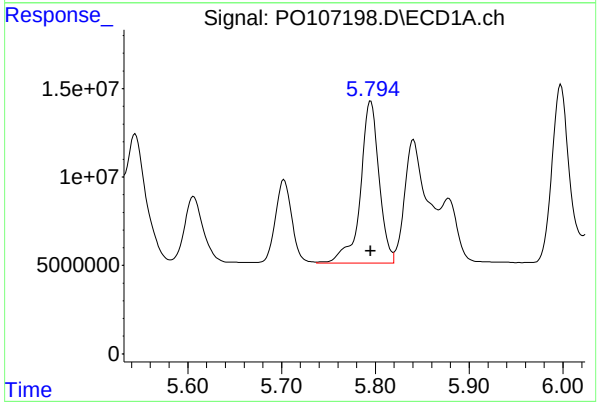
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87595666
Conc: 500.00 ng/ml

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



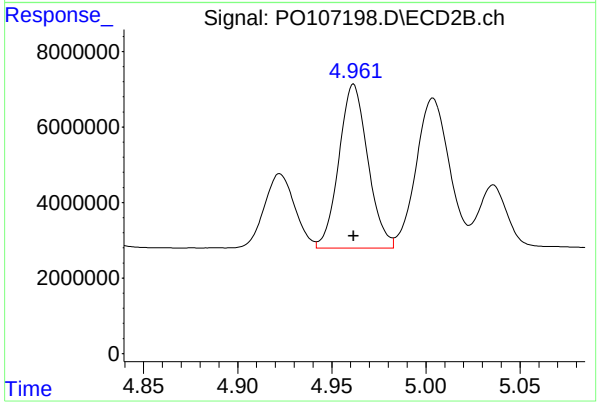

#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32439560
Conc: 500.00 ng/ml



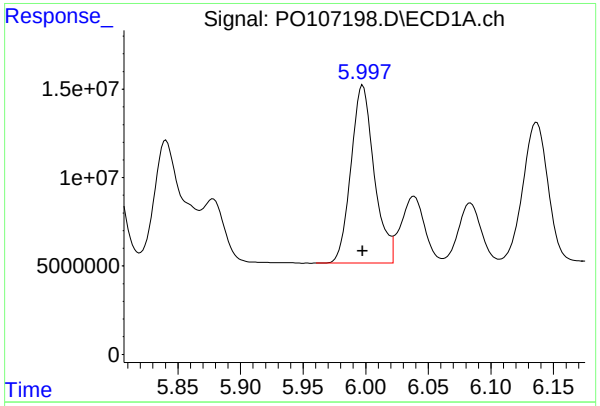

#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 126818984
Conc: 500.00 ng/ml




#22 AR-1248-2

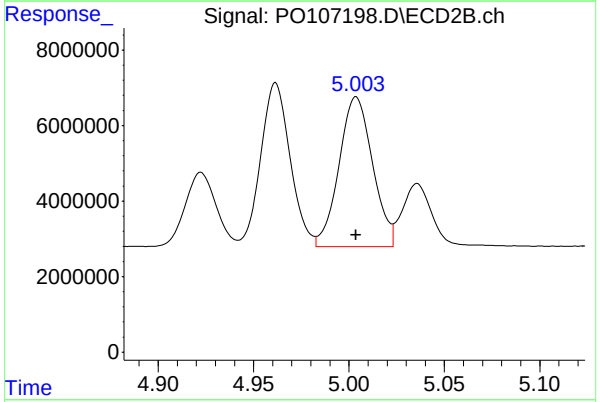
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46530975
Conc: 500.00 ng/ml




#23 AR-1248-3

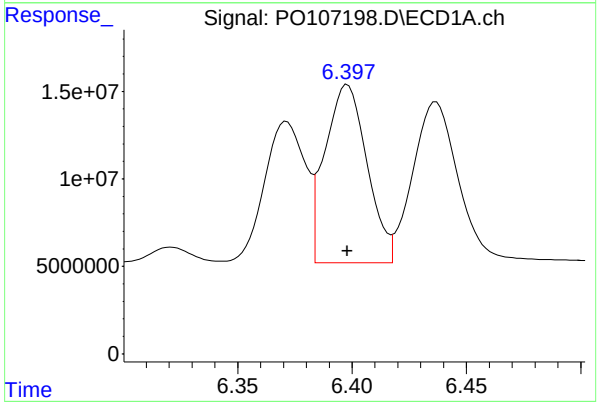
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 129853046
Conc: 500.00 ng/ml

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



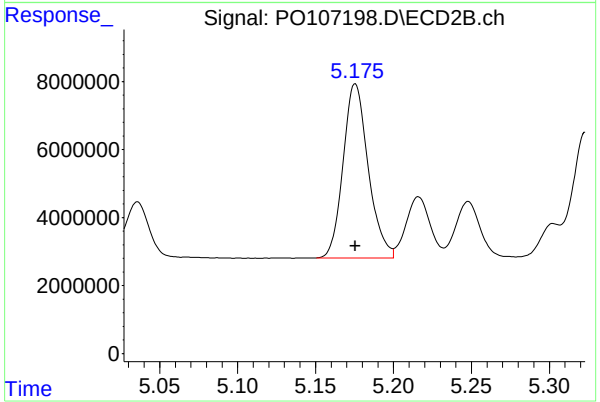

#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48688939
Conc: 500.00 ng/ml



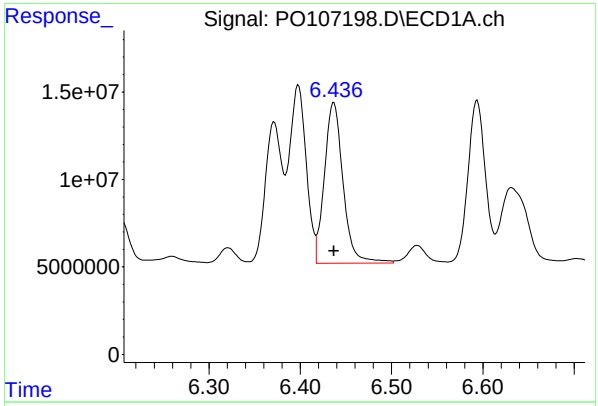

#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 130266636
Conc: 500.00 ng/ml




#24 AR-1248-4

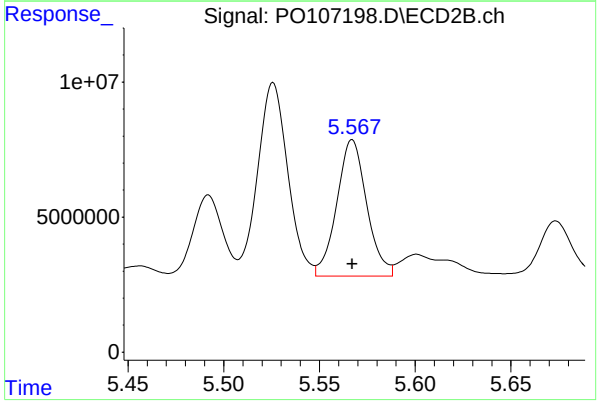
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 57380206
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 mi
Response: 130366768
Conc: 500.00 ng/m

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




#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 54900690
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
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: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 237.3E6 | 84054601 | 25.358 | 24.535 |
| 2) | SA Decachlor... | 10.056 | 8.639 | 64153967 | 70917862 | 25.620 | 25.402 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.522 | 4.725 | 46152443 | 16666809 | 263.440 | 256.890 |
| 22) | L5 AR-1248-2 | 5.796 | 4.962 | 67518514 | 24135370 | 266.200 | 259.347 |
| 23) | L5 AR-1248-3 | 5.998 | 5.003 | 68597053 | 25222976 | 264.133 | 259.022 |
| 24) | L5 AR-1248-4 | 6.399 | 5.175 | 68218183 | 29443172 | 261.841 | 256.562 |
| 25) | L5 AR-1248-5 | 6.437 | 5.567 | 69078530 | 28554491 | 264.939 | 260.056 |

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

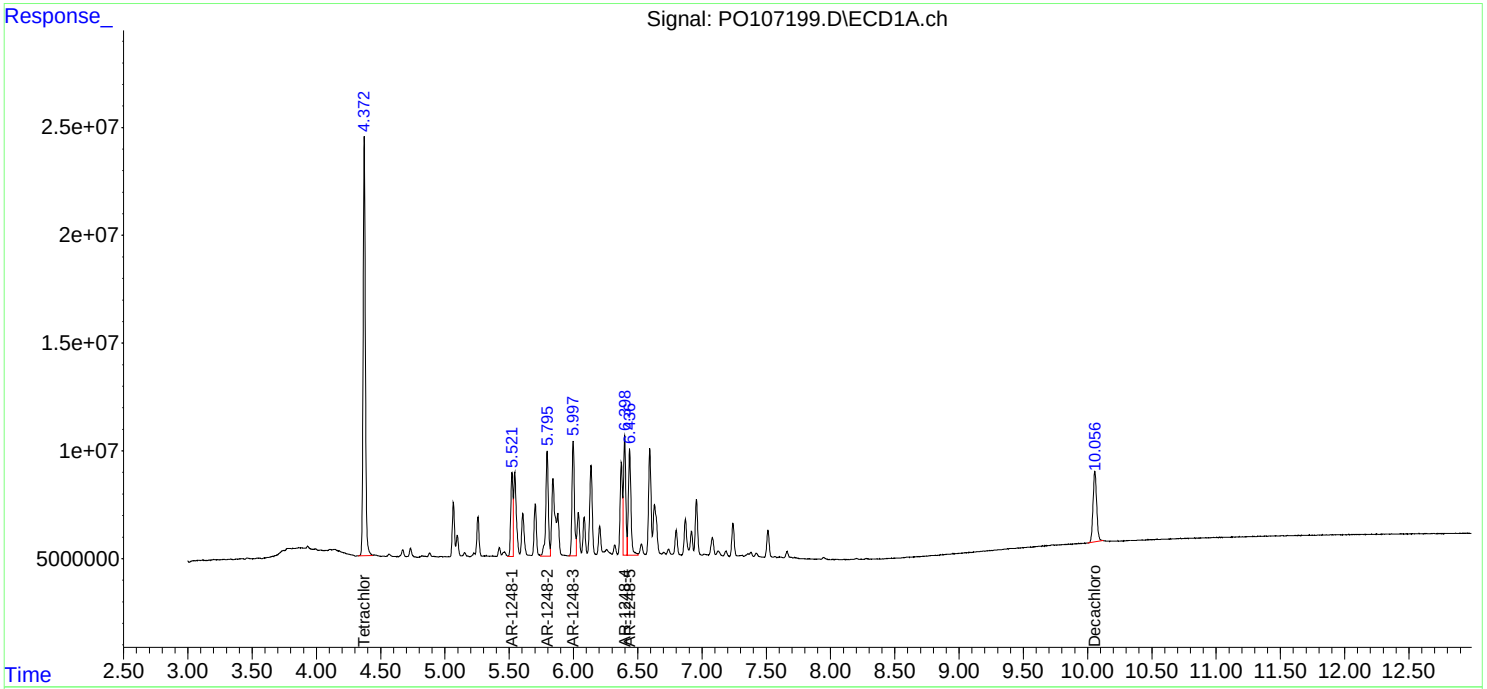
ICAL Form

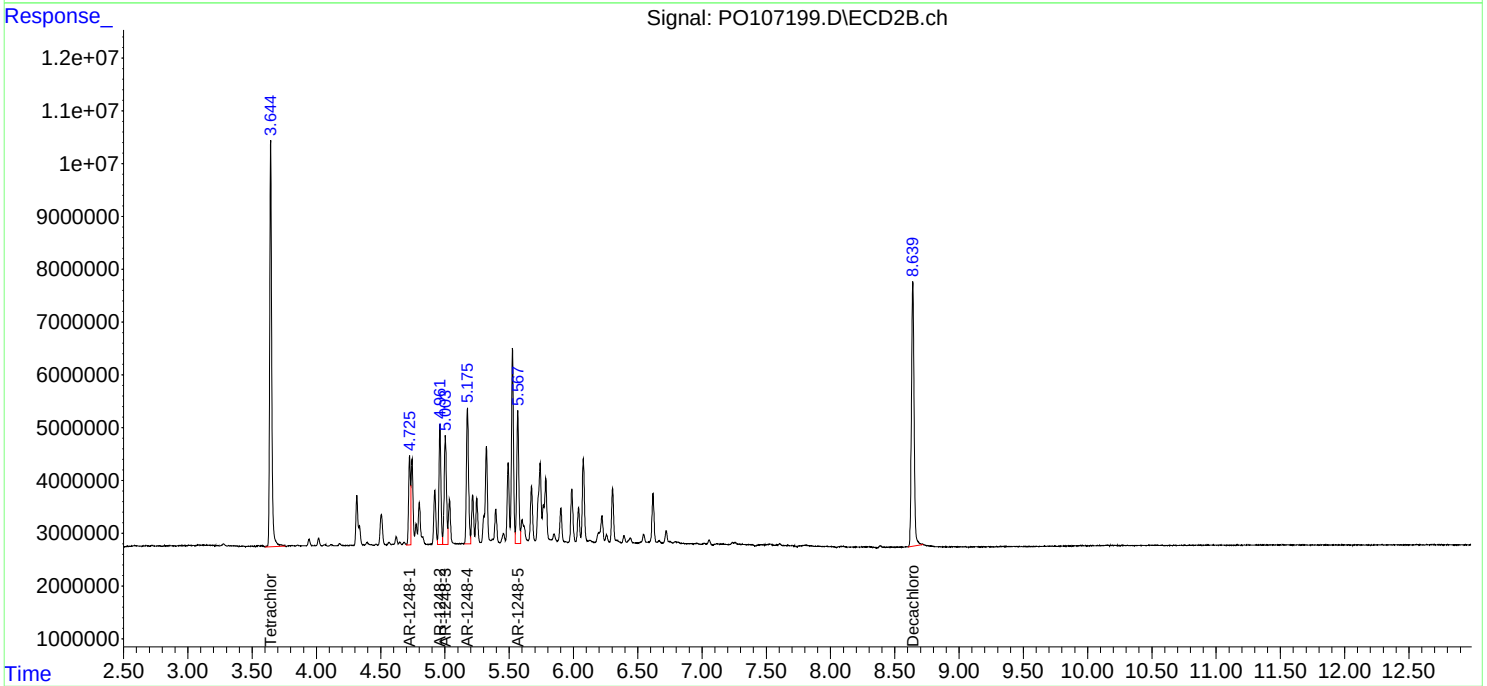
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 22:59
Operator : YP/AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

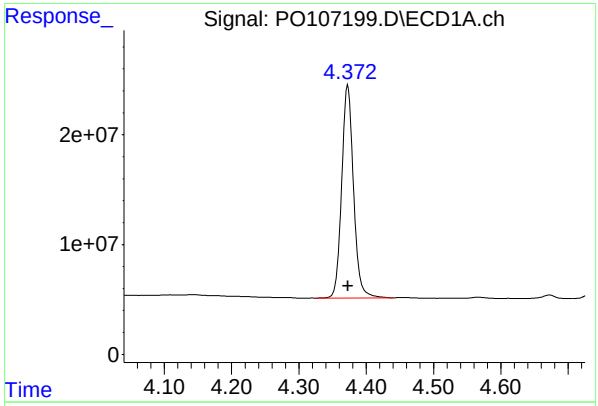
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:09:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



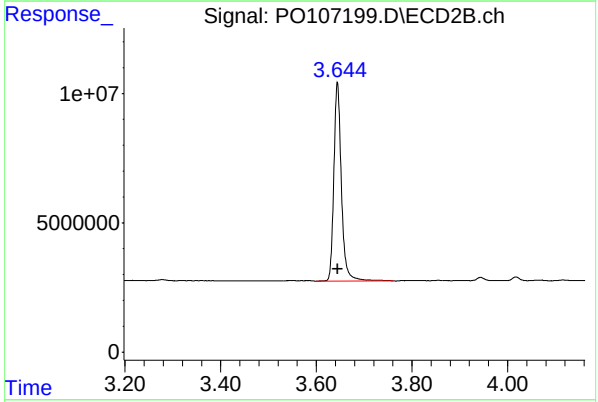






#1 Tetrachloro-m-xylene

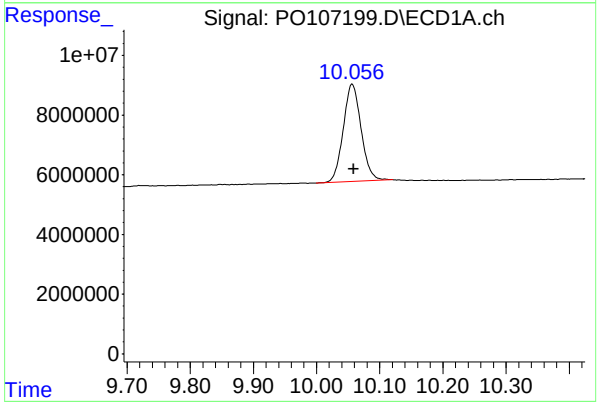
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237319605
Conc: 25.36 ng/ml

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



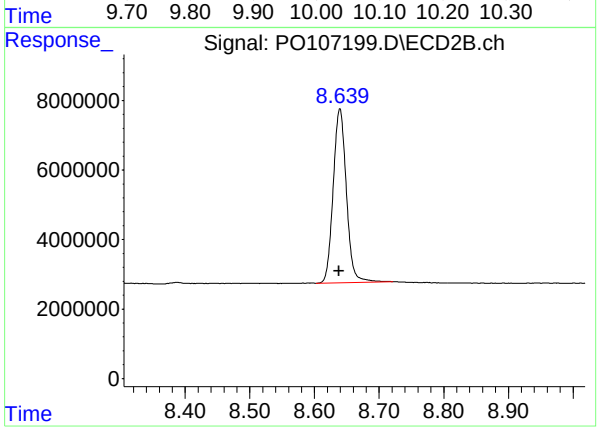

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84054601
Conc: 24.54 ng/ml



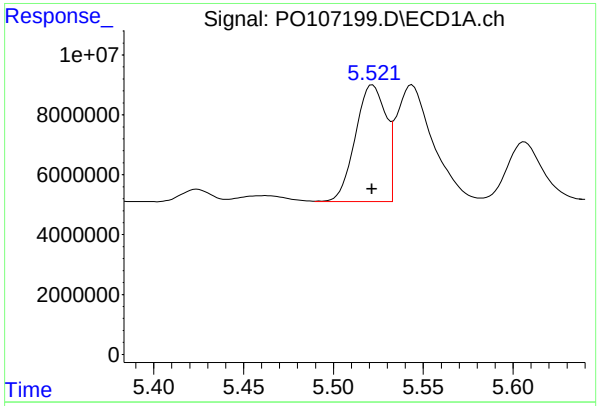

#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 64153967
Conc: 25.62 ng/ml




#2 Decachlorobiphenyl

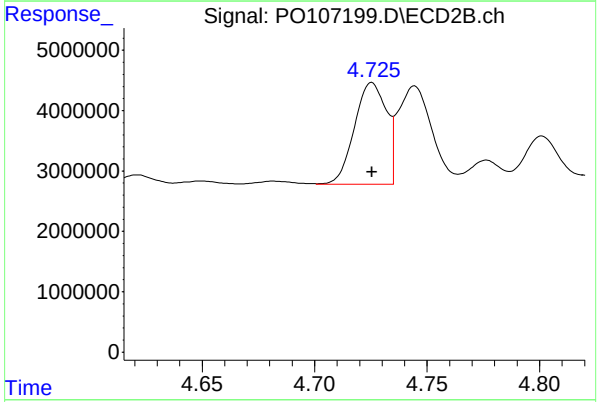
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 70917862
Conc: 25.40 ng/ml




#21 AR-1248-1

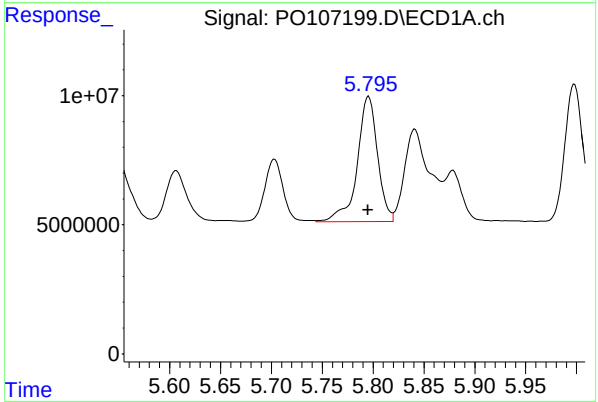
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 46152443
Conc: 263.44 ng/ml

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



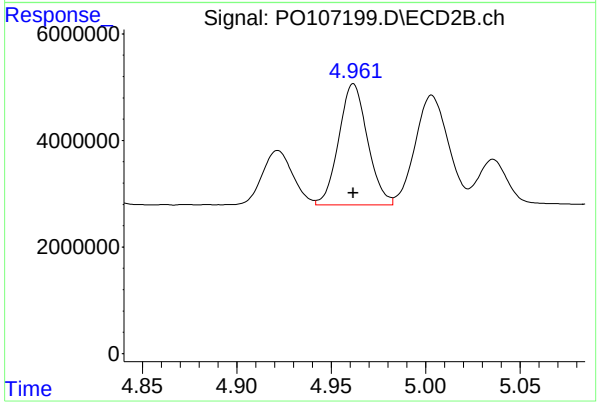

#21 AR-1248-1

R.T.: 4.725 min
Delta R.T.: 0.000 min
Response: 16666809
Conc: 256.89 ng/ml



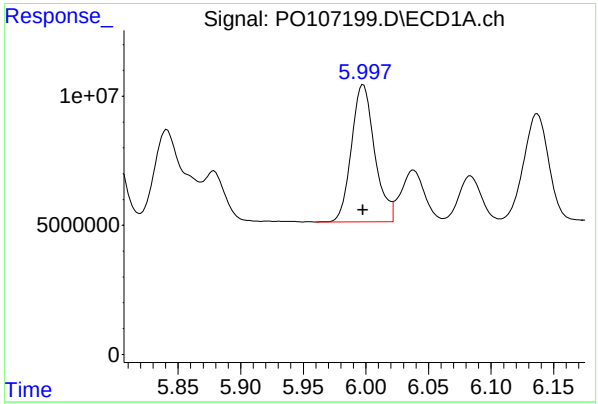

#22 AR-1248-2

R.T.: 5.796 min
Delta R.T.: 0.000 min
Response: 67518514
Conc: 266.20 ng/ml




#22 AR-1248-2

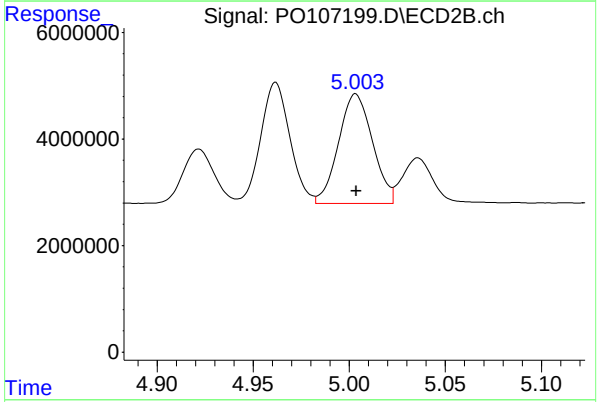
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 24135370
Conc: 259.35 ng/ml




#23 AR-1248-3

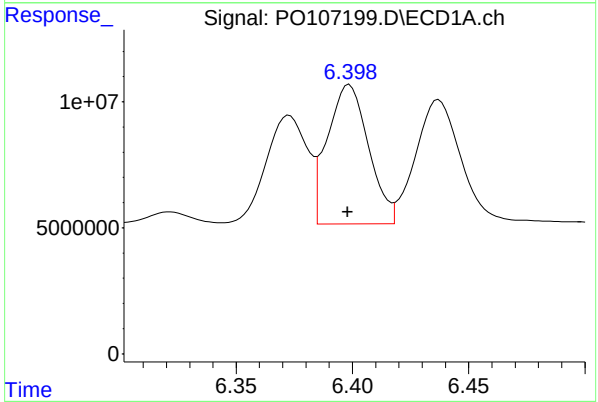
R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 68597053
Conc: 264.13 ng/ml

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



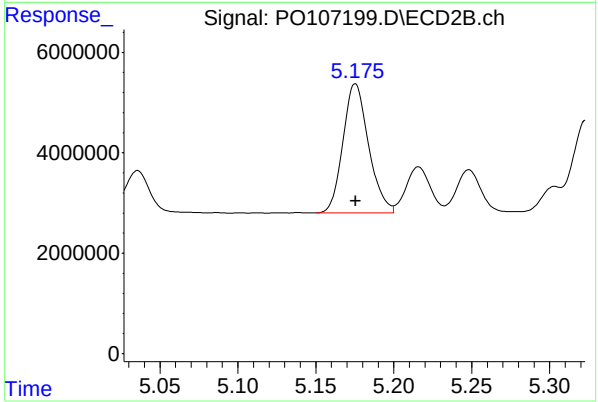

#23 AR-1248-3

R.T.: 5.003 min
Delta R.T.: 0.000 min
Response: 25222976
Conc: 259.02 ng/ml



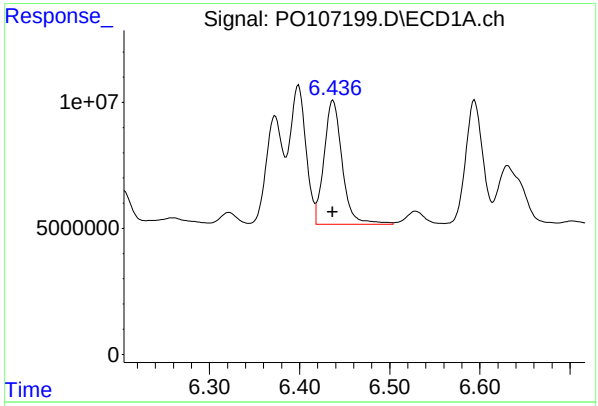

#24 AR-1248-4

R.T.: 6.399 min
Delta R.T.: 0.000 min
Response: 68218183
Conc: 261.84 ng/ml




#24 AR-1248-4

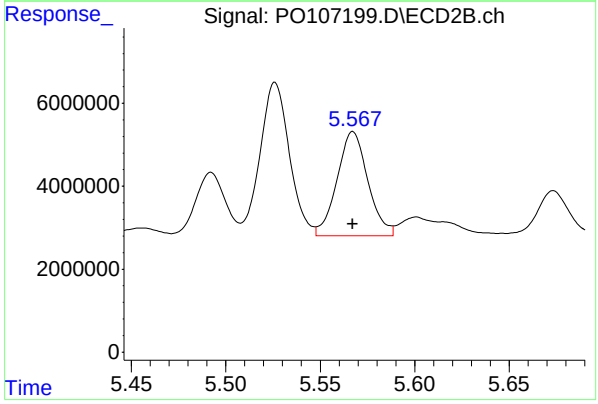
R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 29443172
Conc: 256.56 ng/ml




#25 AR-1248-5

R.T.: 6.437 min
Delta R.T.: 0.000 mi
Response: 69078530
Conc: 264.94 ng/m

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




#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 28554491
Conc: 260.06 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
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: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 44978867 | 14828612 | 4.806 | 4.328 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 11983506 | 13399690 | 4.786 | 4.800 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 9443386 | 3120120 | 53.903 | 48.091 |
| 22) | L5 AR-1248-2 | 5.795 | 4.962 | 14018331 | 4677017 | 55.269 | 50.257 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 13309890 | 4810627 | 51.250 | 49.402 |
| 24) | L5 AR-1248-4 | 6.398 | 5.176 | 13593006 | 5584554 | 52.174 | 48.663 |
| 25) | L5 AR-1248-5 | 6.436 | 5.567 | 14015230 | 5957032 | 53.753 | 54.253 |

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

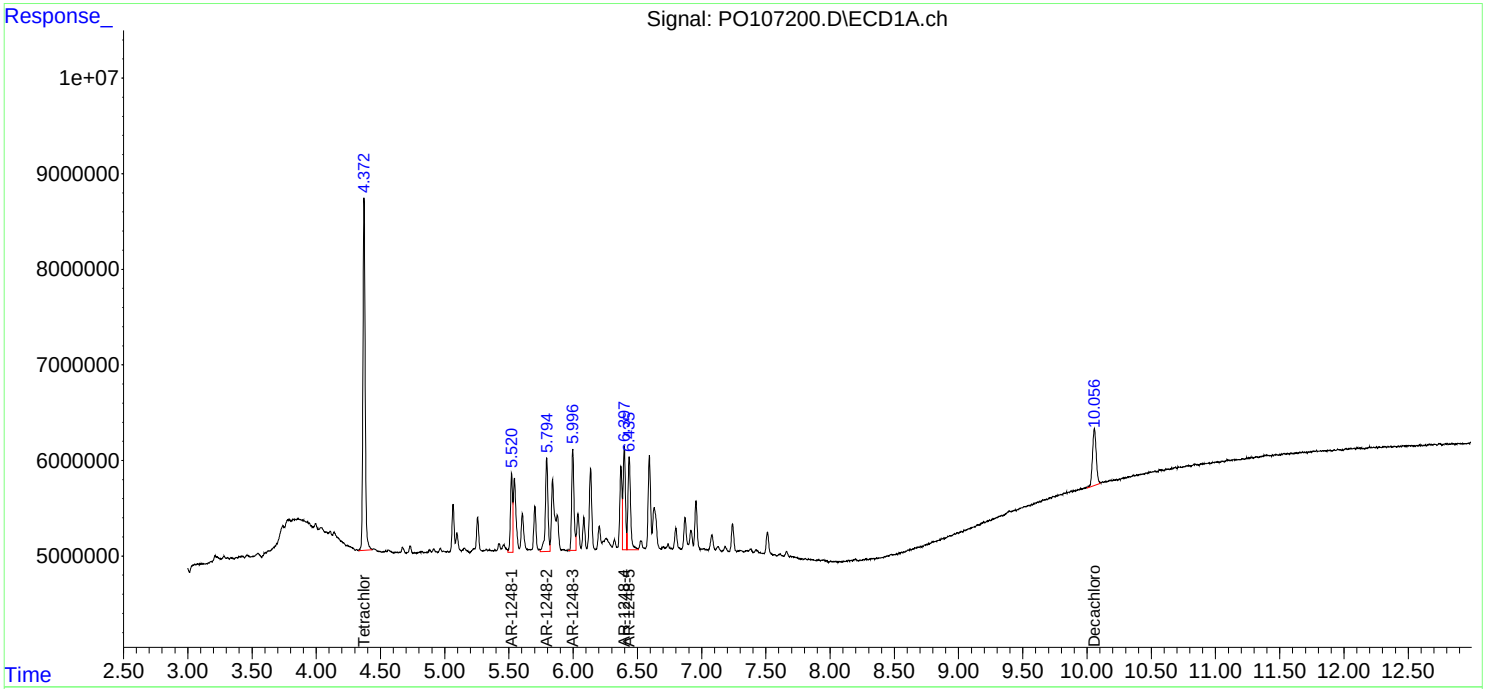
ICAL Form

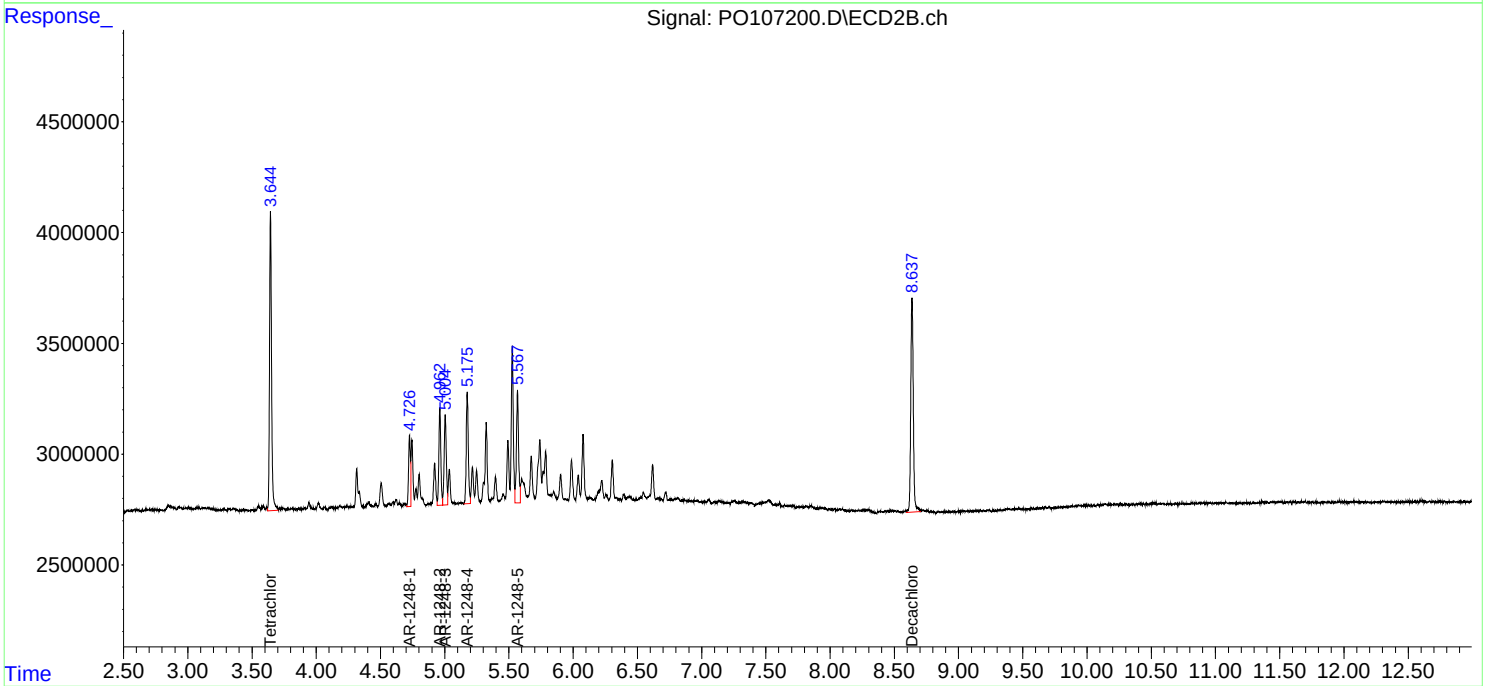
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:17
Operator : YP/AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

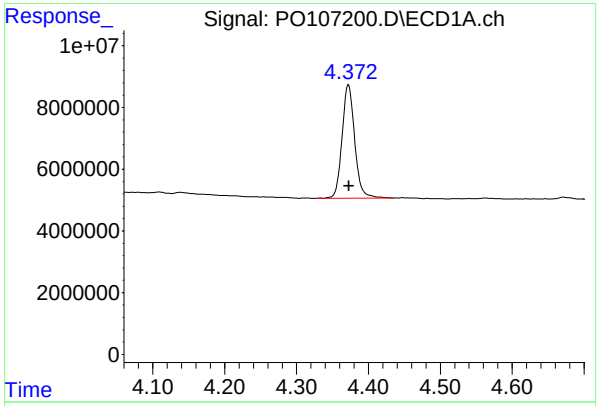
**Instrument :**
ECD_O
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:10:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:08:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



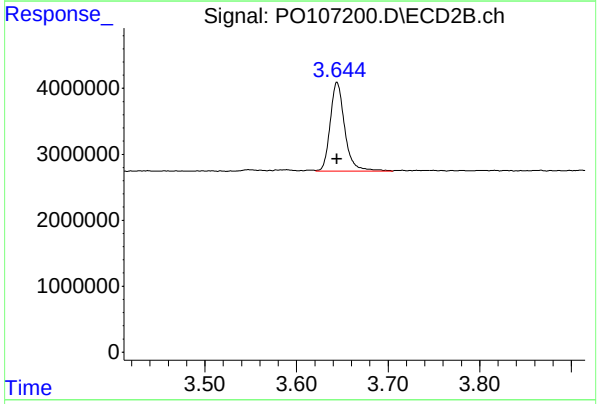






#1 Tetrachloro-m-xylene

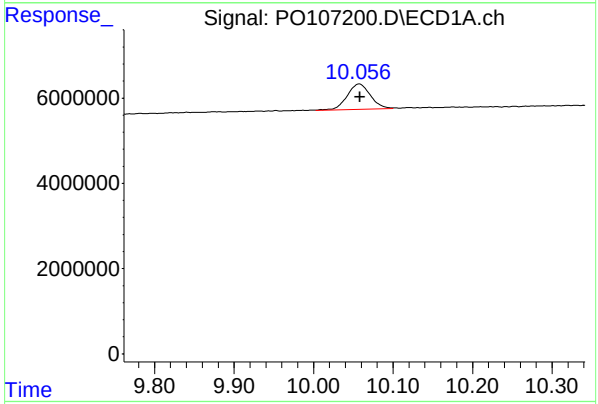
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 44978867
Conc: 4.81 ng/ml

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



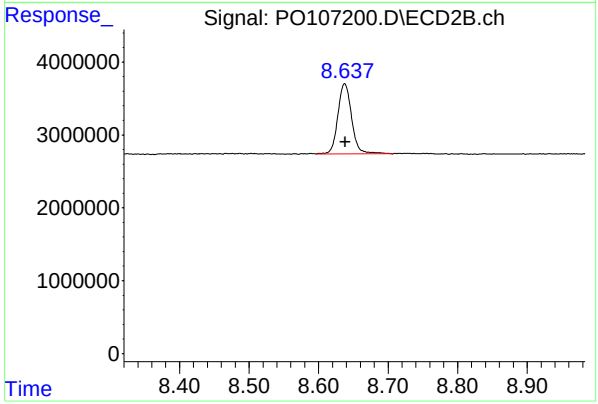

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 14828612
Conc: 4.33 ng/ml



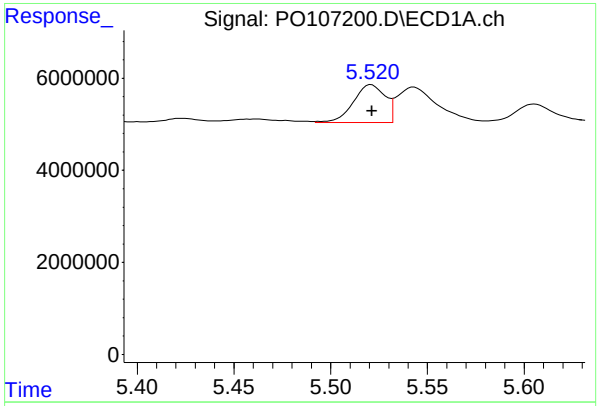

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11983506
Conc: 4.79 ng/ml




#2 Decachlorobiphenyl

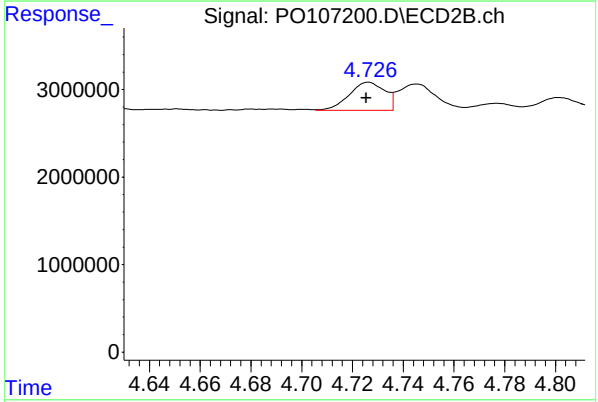
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 13399690
Conc: 4.80 ng/ml




#21 AR-1248-1

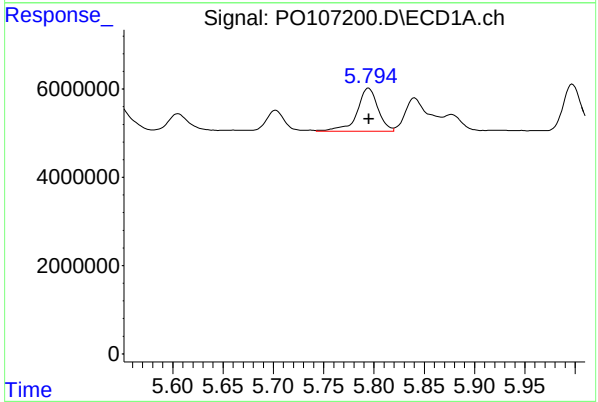
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 9443386
Conc: 53.90 ng/ml

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



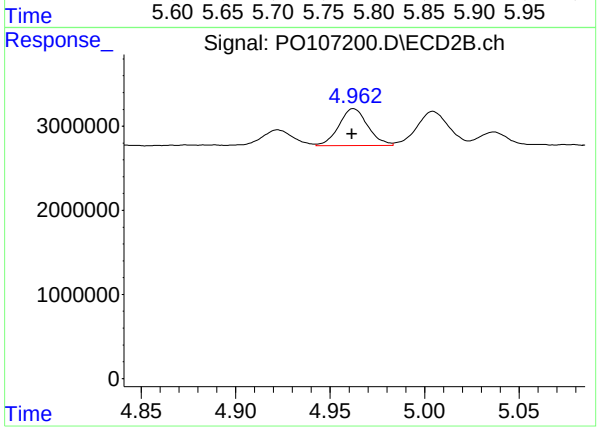

#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 3120120
Conc: 48.09 ng/ml



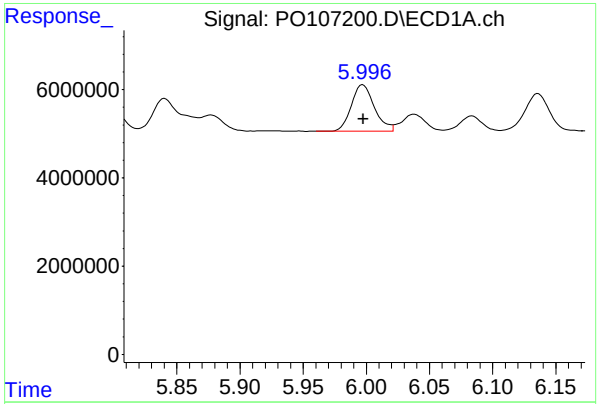

#22 AR-1248-2

R.T.: 5.795 min
Delta R.T.: 0.000 min
Response: 14018331
Conc: 55.27 ng/ml




#22 AR-1248-2

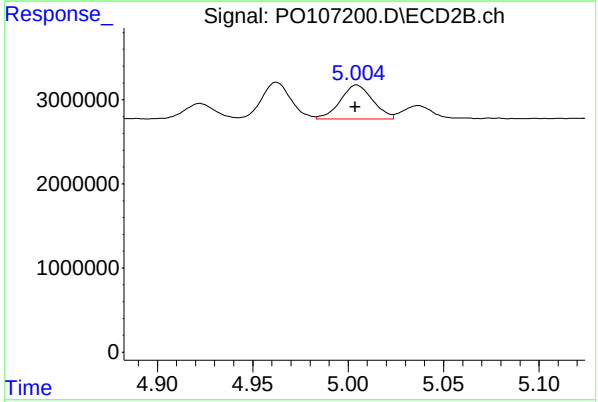
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 4677017
Conc: 50.26 ng/ml




#23 AR-1248-3

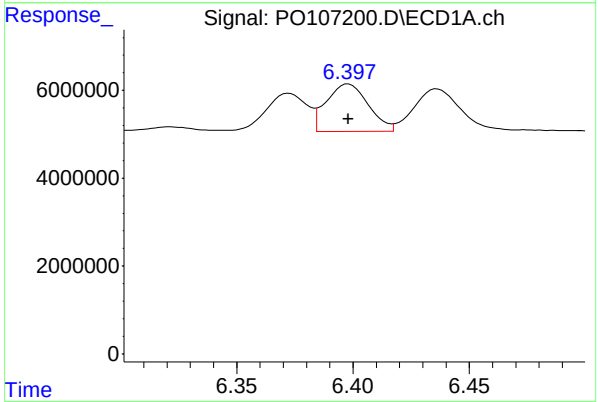
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 13309890
Conc: 51.25 ng/ml

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



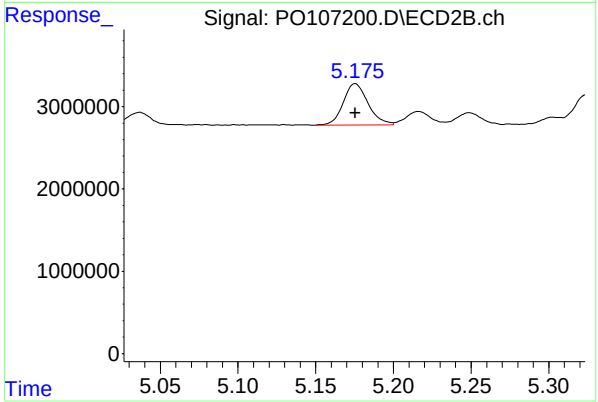

#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 4810627
Conc: 49.40 ng/ml



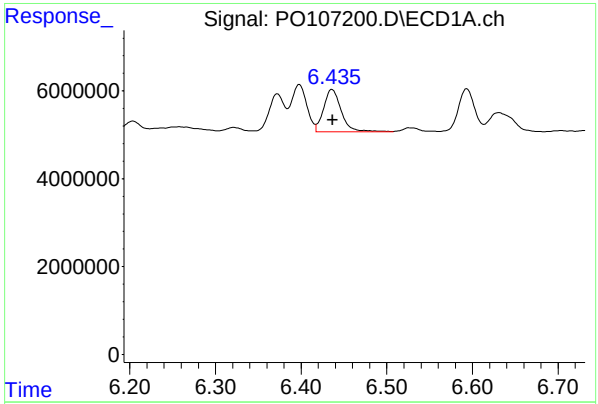

#24 AR-1248-4

R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 13593006
Conc: 52.17 ng/ml




#24 AR-1248-4

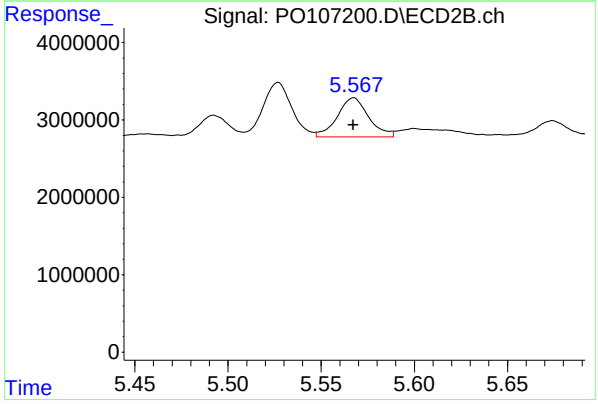
R.T.: 5.176 min
Delta R.T.: 0.000 min
Response: 5584554
Conc: 48.66 ng/ml




#25 AR-1248-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 14015230
Conc: 53.75 ng/ml

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




#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 5957032
Conc: 54.25 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
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: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.645 | 888.4E6 | 334.8E6 | 96.727 | 99.808 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 235.8E6 | 272.7E6 | 93.987 | 98.323 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.526 | 246.8E6 | 159.9E6 | 931.434 | 965.611 |
| 27) | L6 AR-1254-2 | 6.593 | 5.674 | 348.1E6 | 138.5E6 | 933.222 | 957.951 |
| 28) | L6 AR-1254-3 | 6.957 | 6.077 | 336.3E6 | 227.1E6 | 944.885 | 977.812 |
| 29) | L6 AR-1254-4 | 7.242 | 6.304 | 213.1E6 | 128.2E6 | 938.161 | 976.528 |
| 30) | L6 AR-1254-5 | 7.663 | 6.721 | 194.6E6 | 191.9E6 | 945.308 | 982.221 |

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

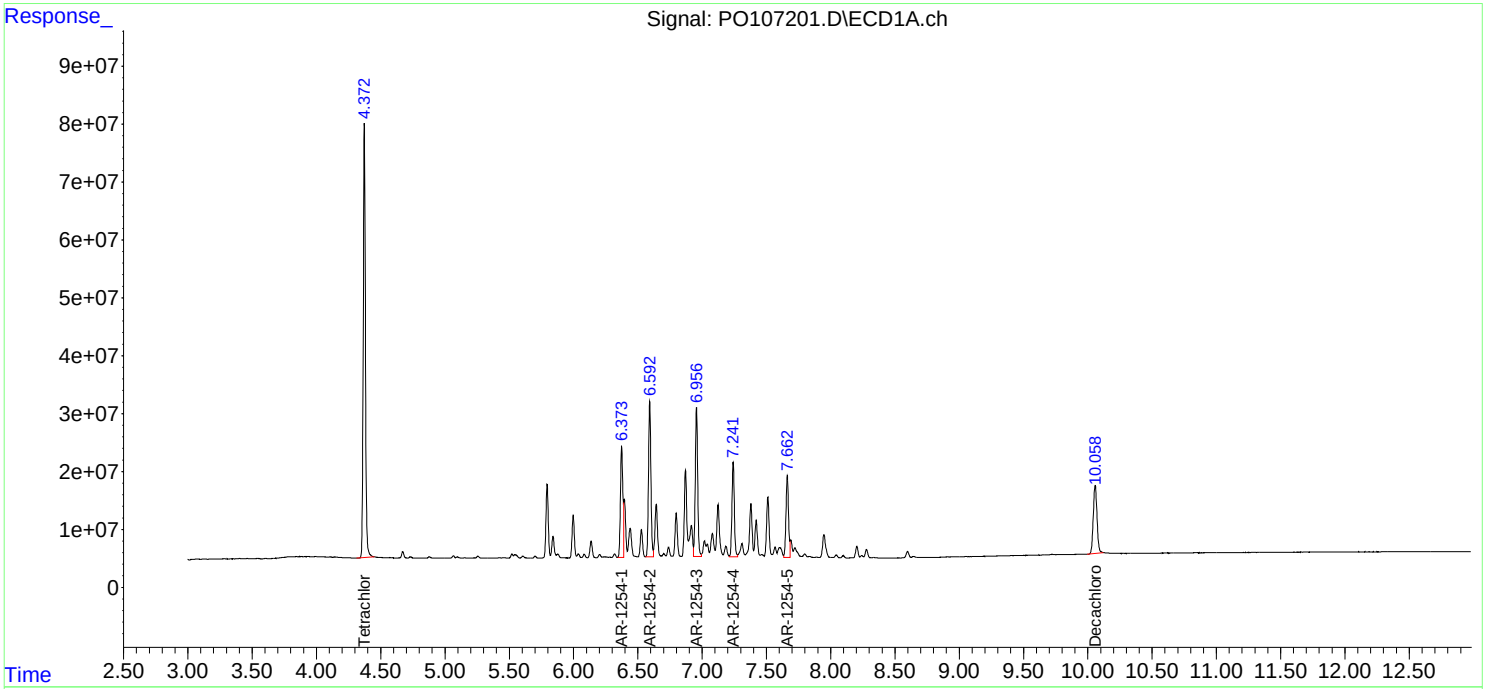
ICAL Form

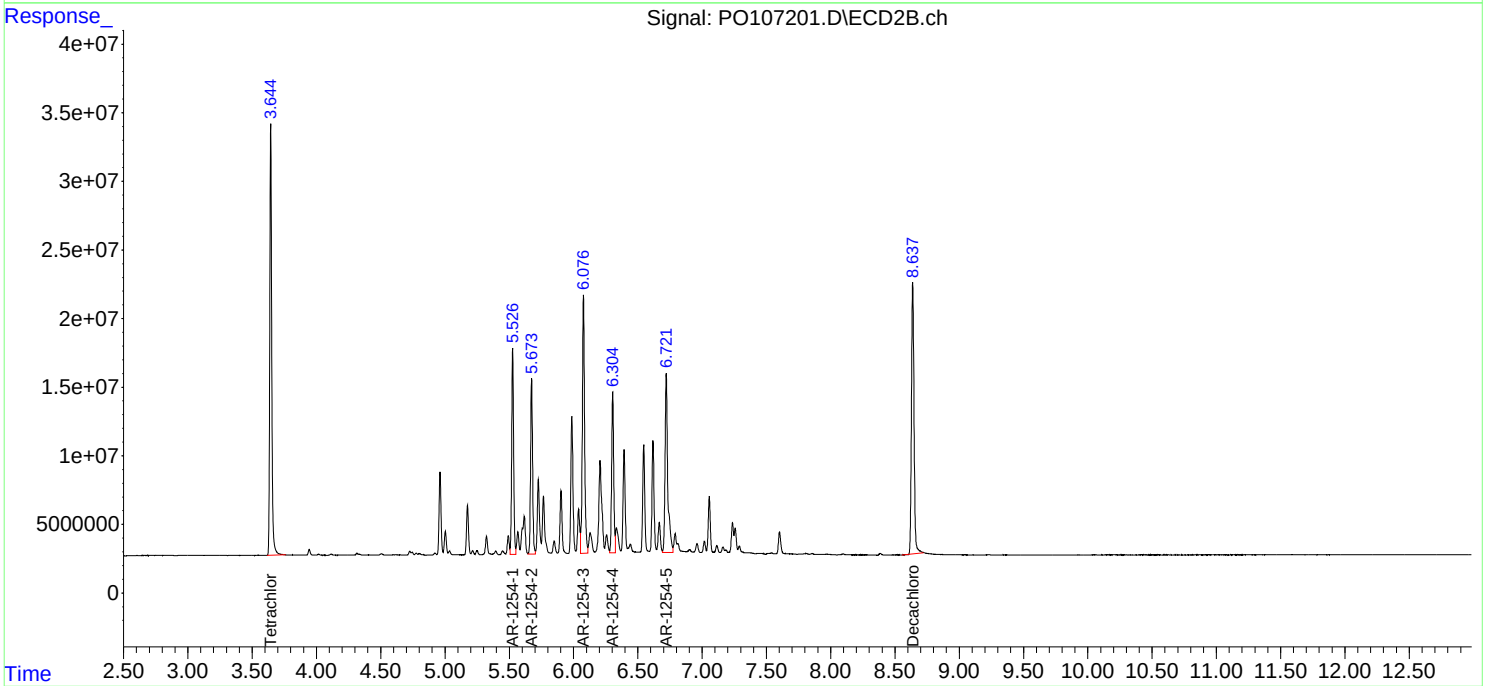
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:35
Operator : YP/AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

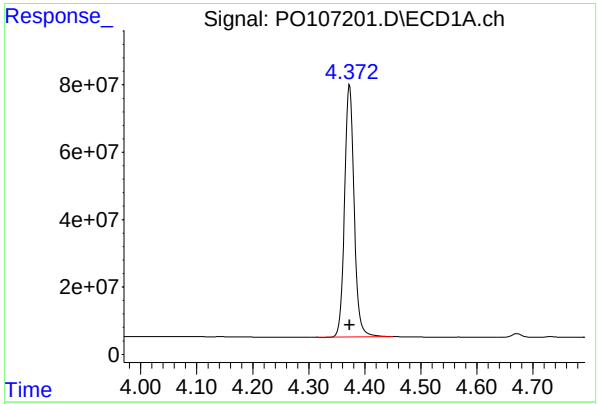
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:21:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



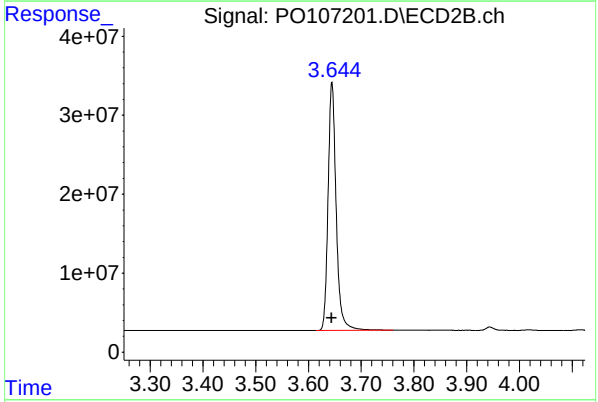






#1 Tetrachloro-m-xylene

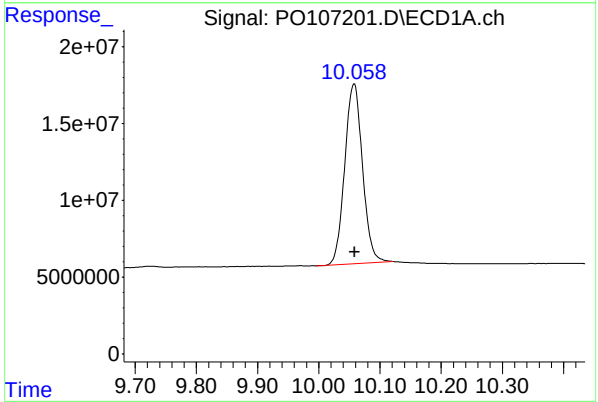
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 888376323
Conc: 96.73 ng/ml

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



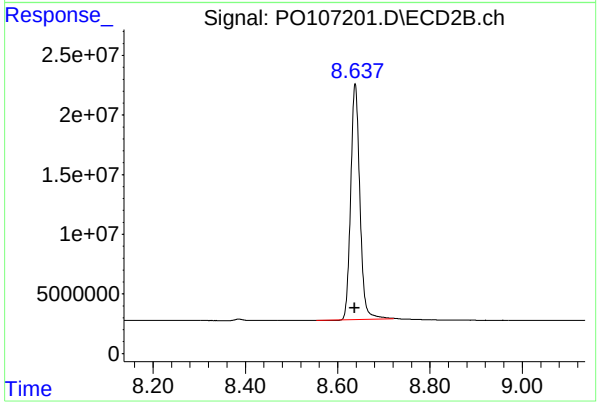

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 334779956
Conc: 99.81 ng/ml



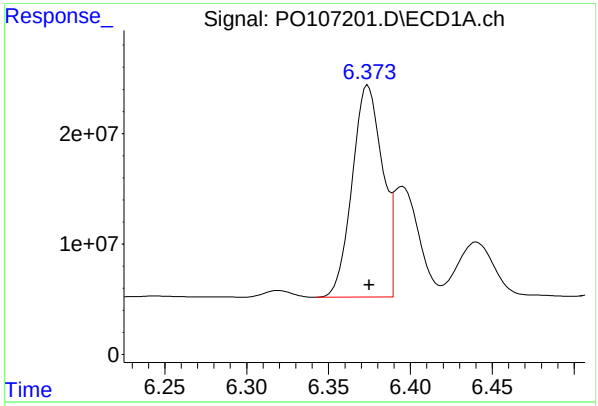

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 235774621
Conc: 93.99 ng/ml




#2 Decachlorobiphenyl

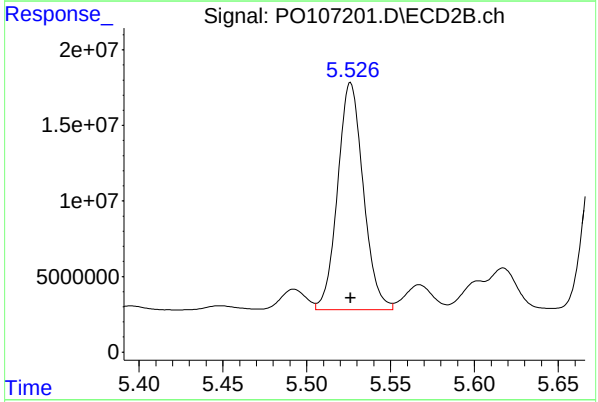
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 272692715
Conc: 98.32 ng/ml




#26 AR-1254-1

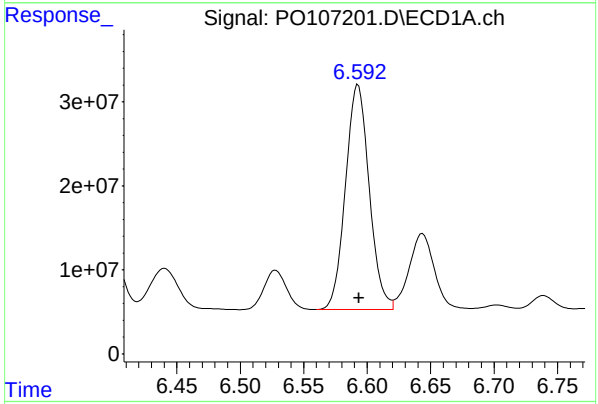
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 246822697
Conc: 931.43 ng/ml

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



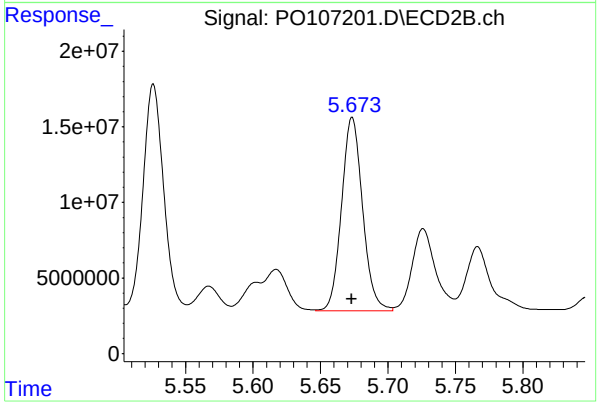

#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 159855276
Conc: 965.61 ng/ml



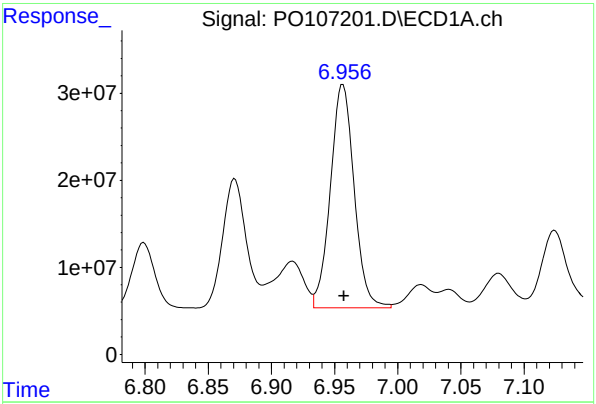

#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 348120894
Conc: 933.22 ng/ml




#27 AR-1254-2

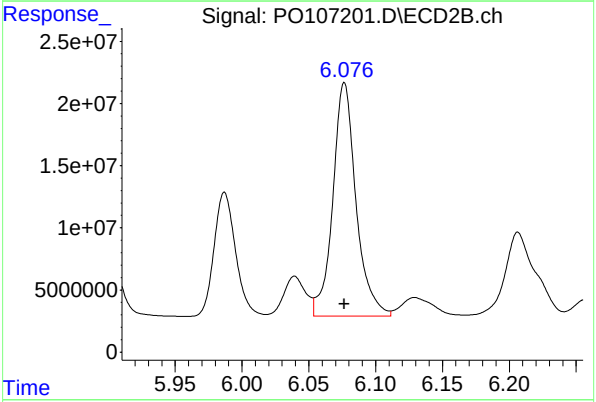
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 138468840
Conc: 957.95 ng/ml




#28 AR-1254-3

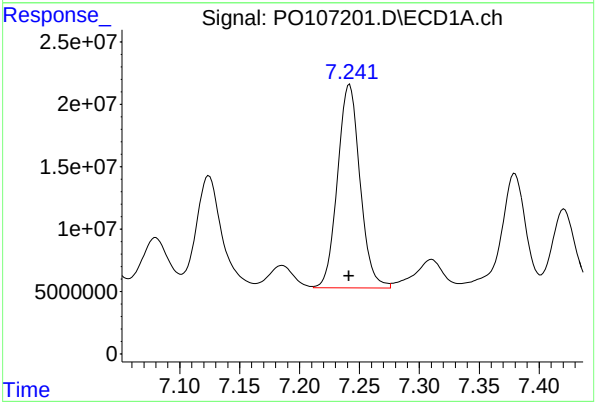
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 336293322
Conc: 944.88 ng/ml

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



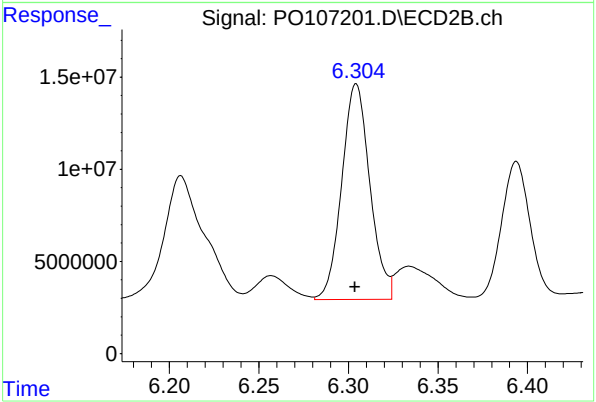

#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 227061110
Conc: 977.81 ng/ml



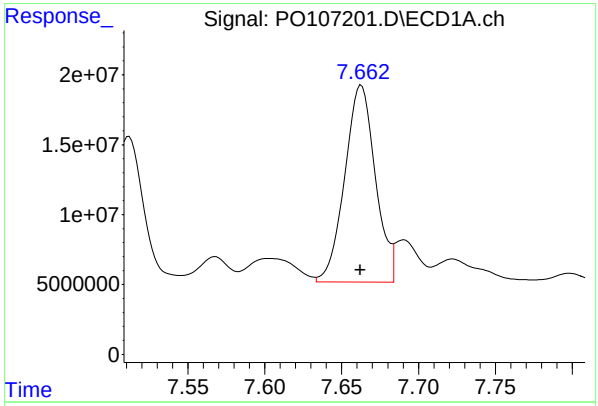

#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 213138598
Conc: 938.16 ng/ml




#29 AR-1254-4

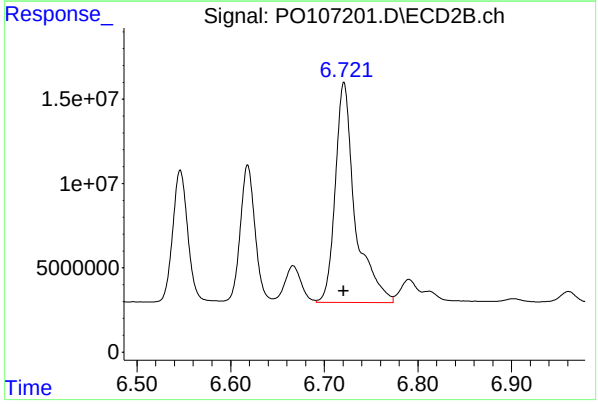
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 128242906
Conc: 976.53 ng/ml




#30 AR-1254-5

R.T.: 7.663 min
Delta R.T.: 0.000 mi
Response: 194609638
Conc: 945.31 ng/m

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




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 191904554
Conc: 982.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
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: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 687.3E6 | 254.8E6 | 74.839 | 75.963 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 180.1E6 | 205.4E6 | 71.810 | 74.047 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.526 | 192.4E6 | 122.9E6 | 726.190 | 742.326 |
| 27) | L6 AR-1254-2 | 6.593 | 5.673 | 271.2E6 | 106.7E6 | 727.100 | 738.182 |
| 28) | L6 AR-1254-3 | 6.957 | 6.076 | 259.2E6 | 173.5E6 | 728.388 | 747.327 |
| 29) | L6 AR-1254-4 | 7.241 | 6.303 | 165.1E6 | 97687474 | 726.838 | 743.858 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 150.8E6 | 146.4E6 | 732.514 | 749.136 |

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

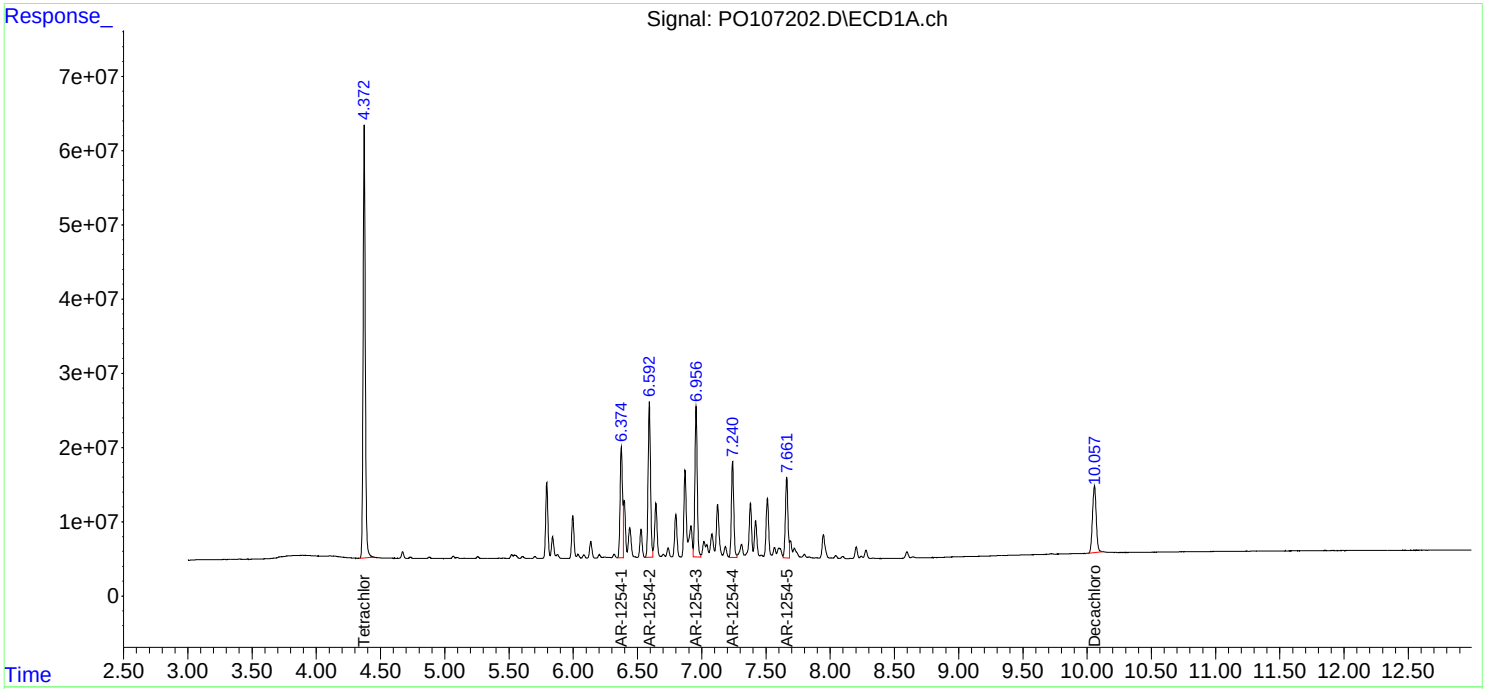
ICAL Form

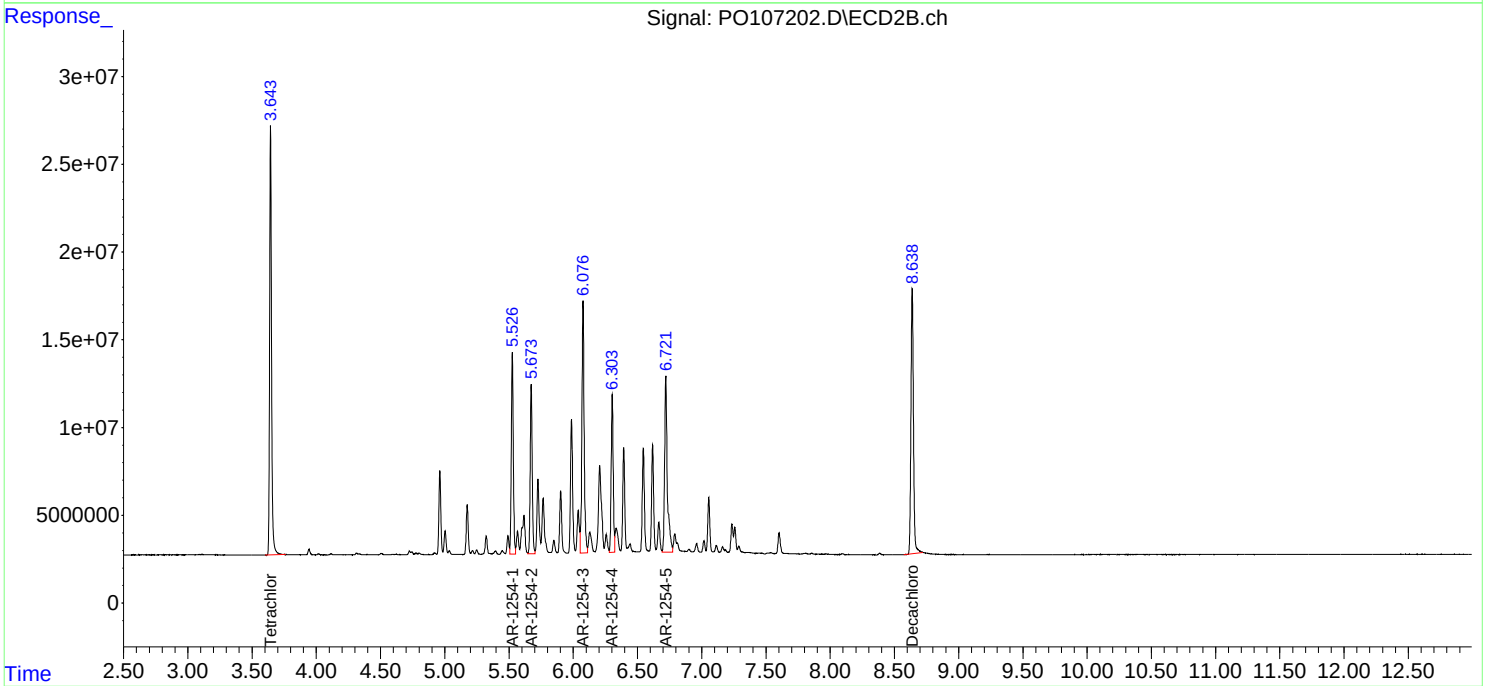
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 23:53
Operator : YP/AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

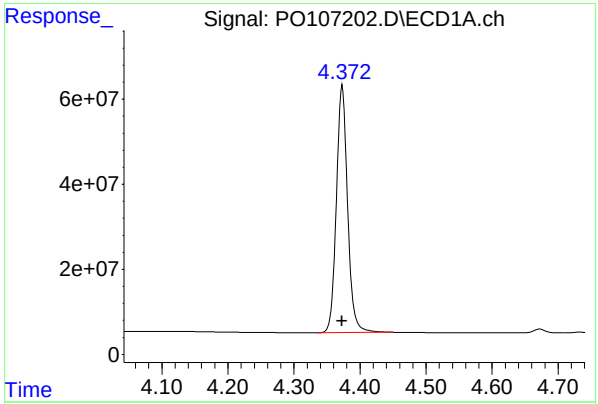
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



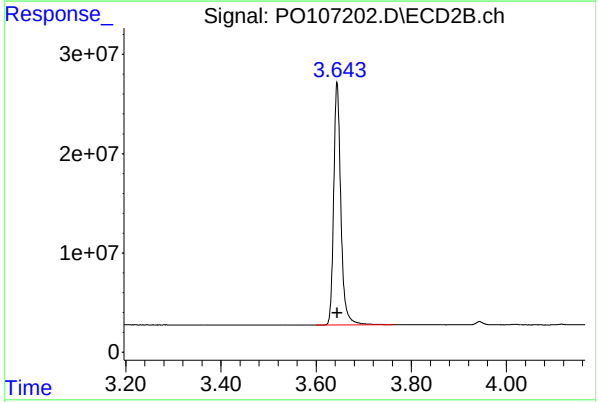






#1 Tetrachloro-m-xylene

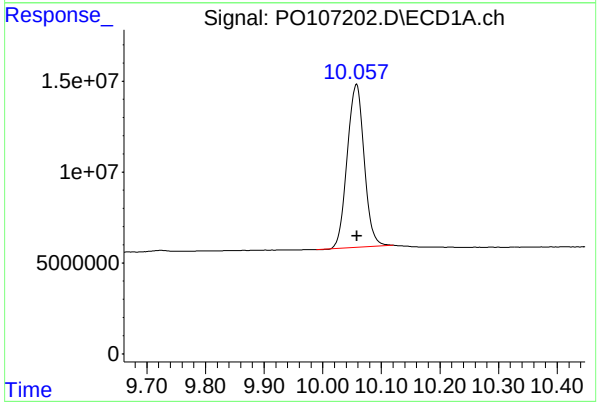
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 687347049
Conc: 74.84 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



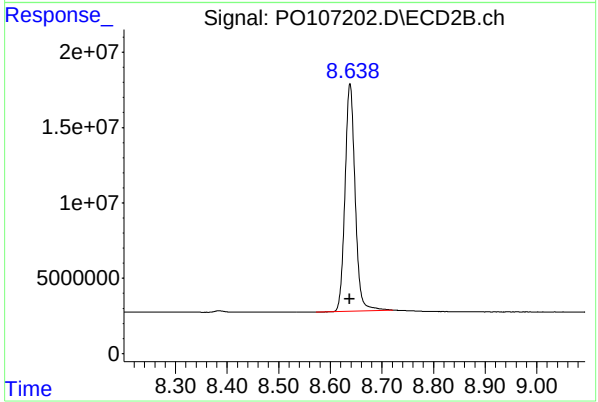

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 254800172
Conc: 75.96 ng/ml



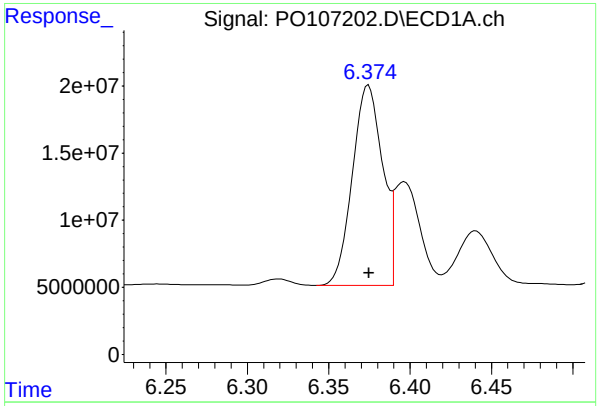

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 180142327
Conc: 71.81 ng/ml




#2 Decachlorobiphenyl

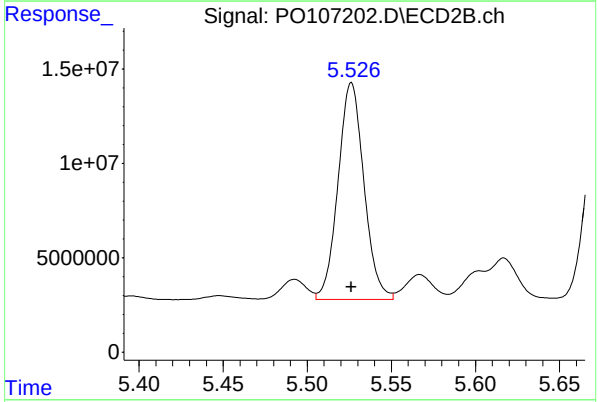
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 205364304
Conc: 74.05 ng/ml




#26 AR-1254-1

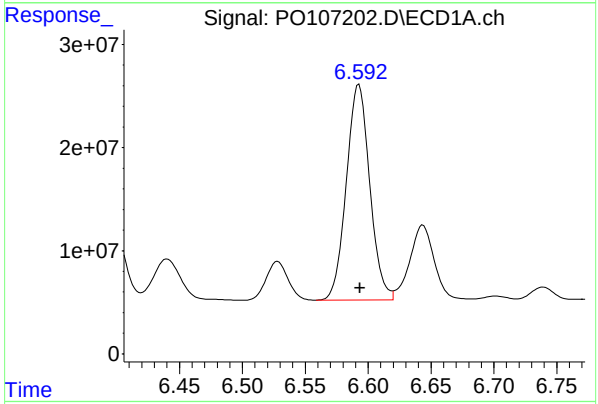
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 192434762
Conc: 726.19 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



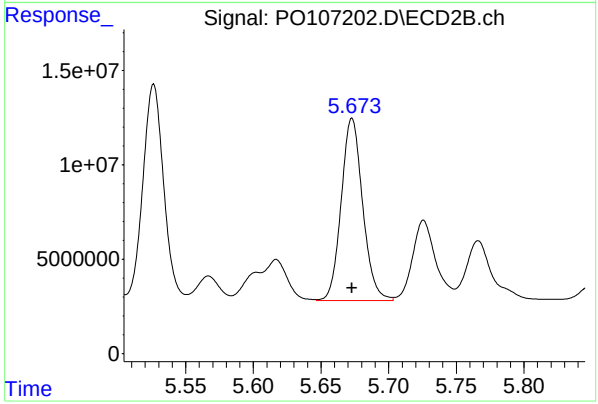

#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 122890903
Conc: 742.33 ng/ml



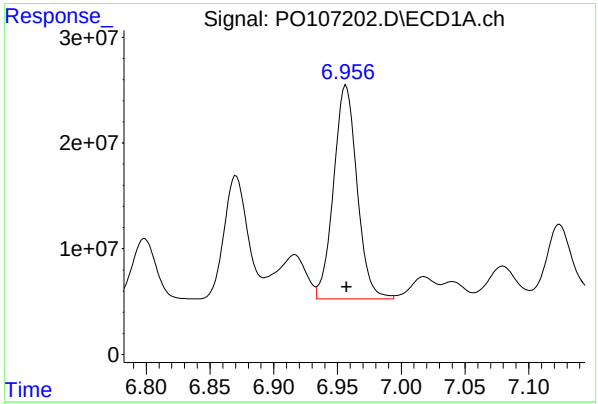

#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 271231166
Conc: 727.10 ng/ml




#27 AR-1254-2

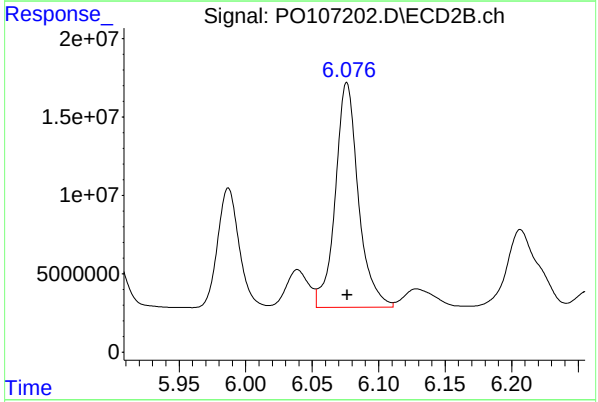
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 106702001
Conc: 738.18 ng/ml




#28 AR-1254-3

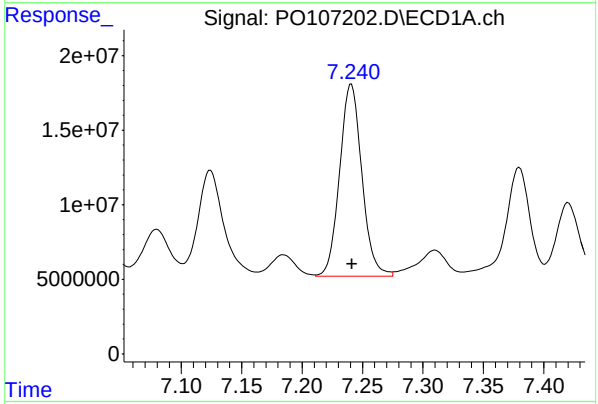
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 259240057
Conc: 728.39 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750



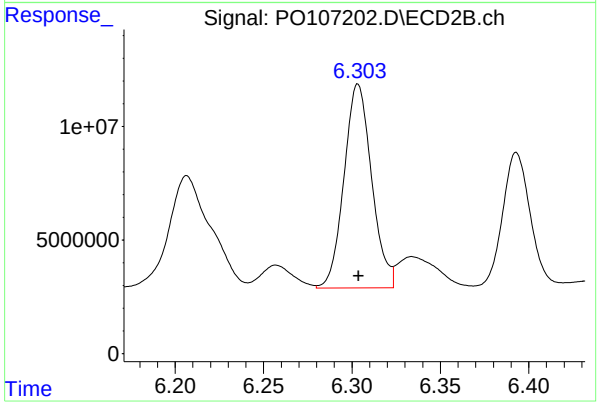

#28 AR-1254-3

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 173539463
Conc: 747.33 ng/ml



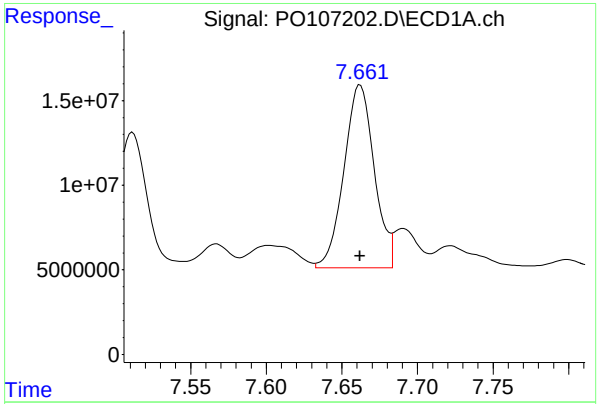

#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 165128627
Conc: 726.84 ng/ml




#29 AR-1254-4

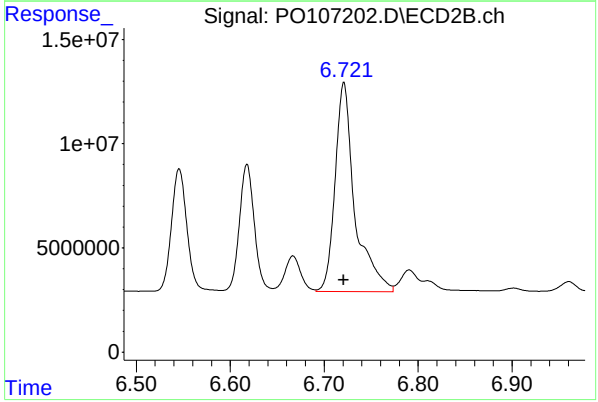
R.T.: 6.303 min
Delta R.T.: 0.000 min
Response: 97687474
Conc: 743.86 ng/ml




#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 150801906
Conc: 732.51 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC750




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 146364864
Conc: 749.14 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
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: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 459.2E6 | 167.7E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.637 | 125.4E6 | 138.7E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.375 | 5.526 | 132.5E6 | 82774166 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.593 | 5.673 | 186.5E6 | 72273461 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 6.957 | 6.077 | 178.0E6 | 116.1E6 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.241 | 6.304 | 113.6E6 | 65662675 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 102.9E6 | 97689052 | 500.000 | 500.000 |

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

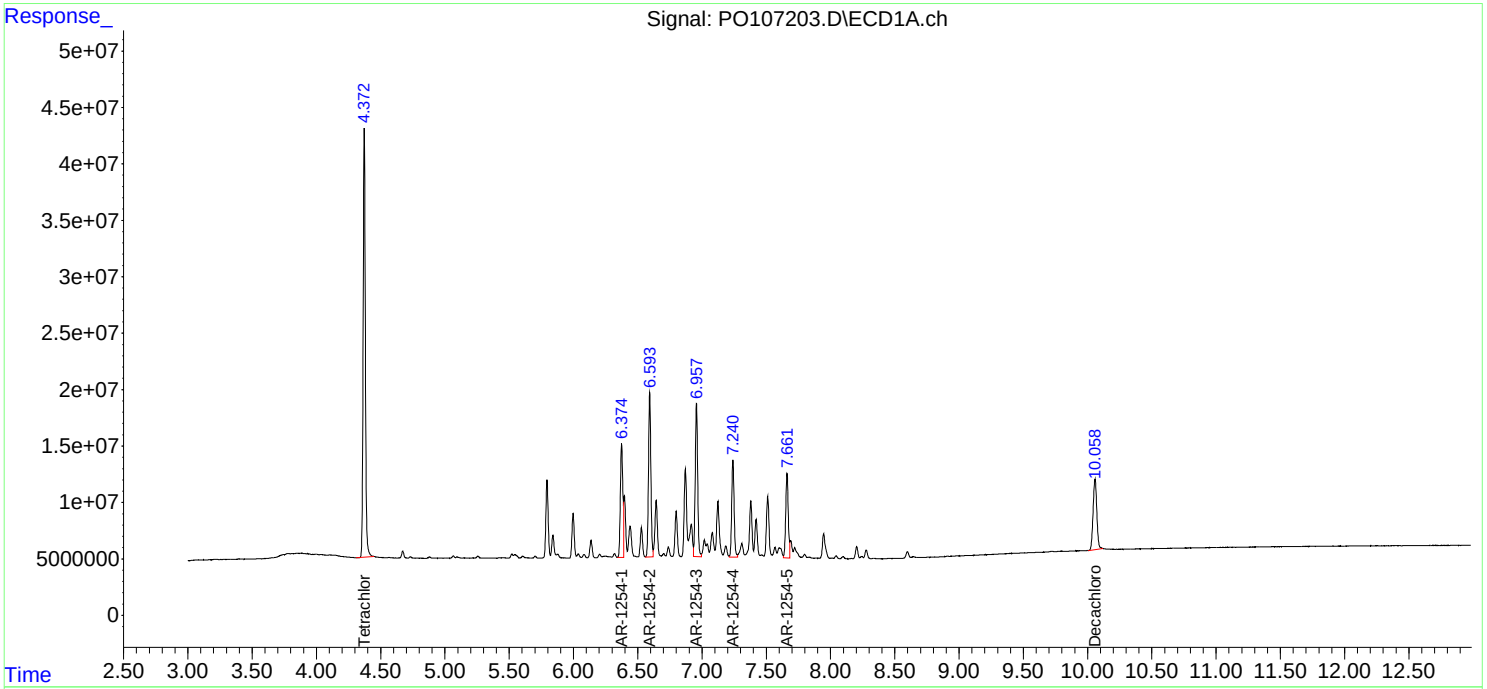
ICAL Form

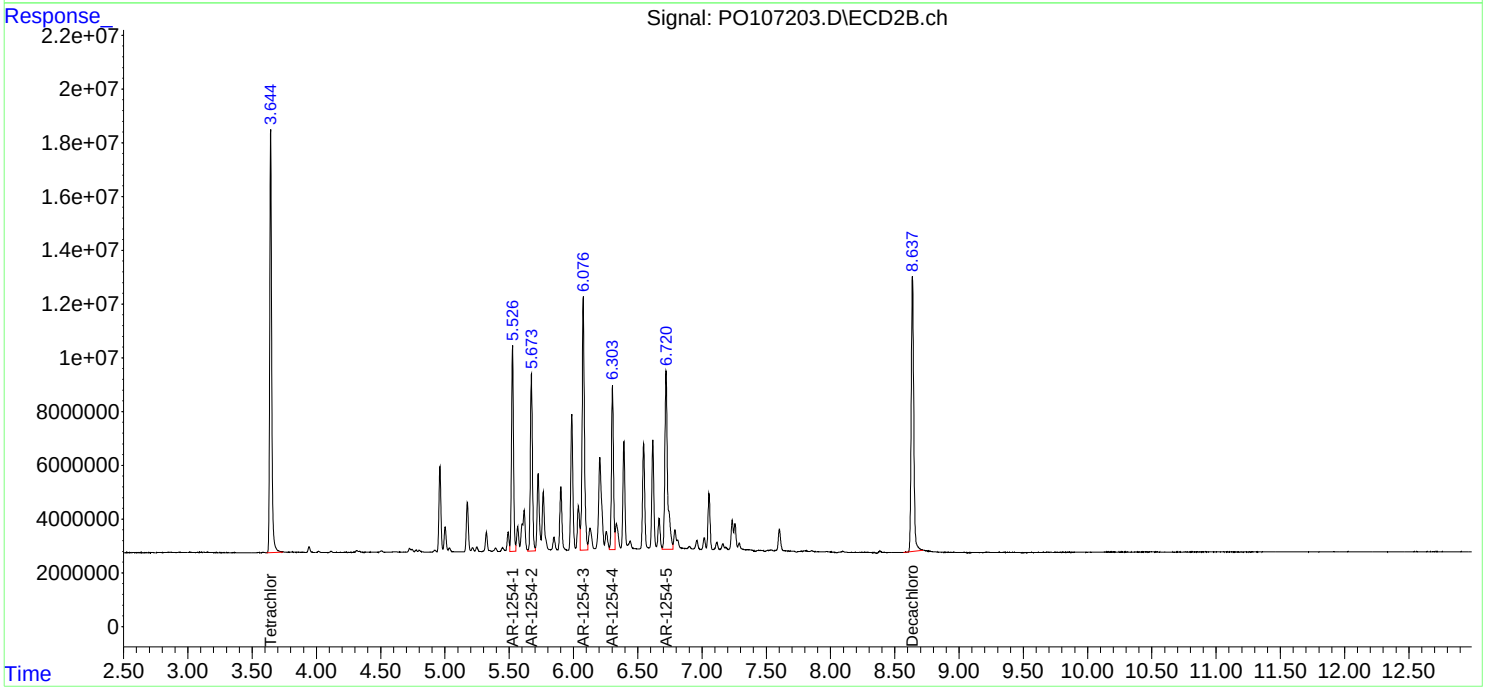
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:11
Operator : YP/AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

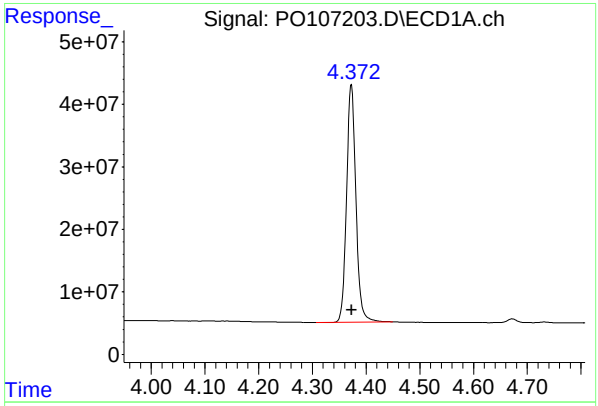
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:22:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



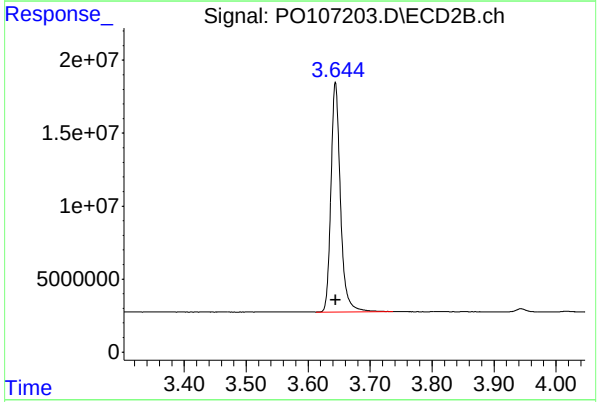






#1 Tetrachloro-m-xylene

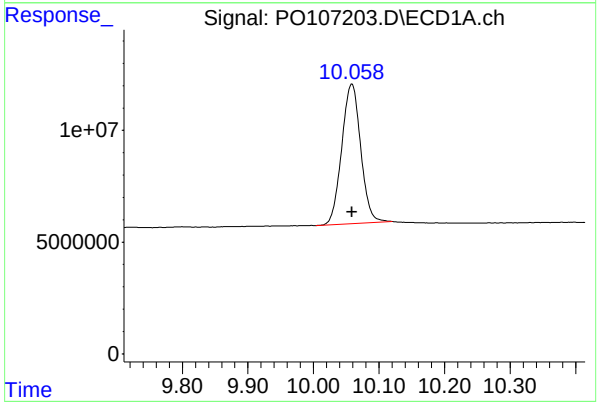
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 459218453
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



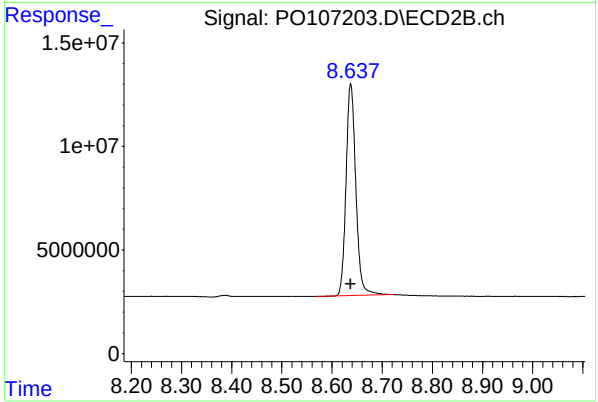

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 167712333
Conc: 50.00 ng/ml



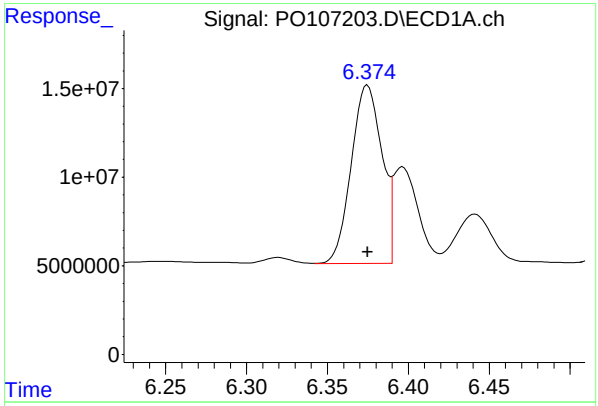

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 125429700
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

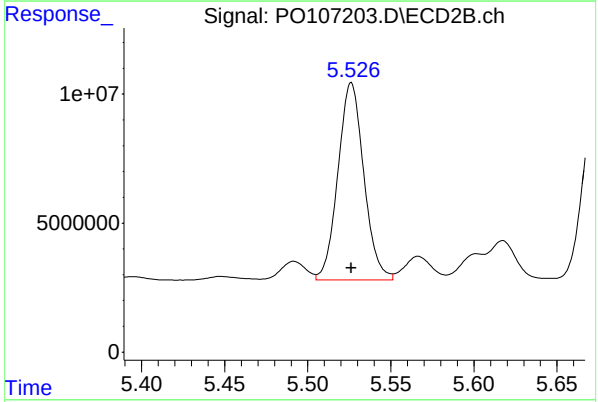
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 138672356
Conc: 50.00 ng/ml




#26 AR-1254-1

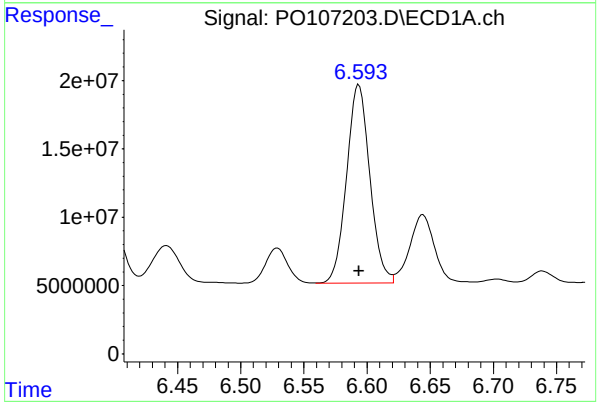
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 132496121
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



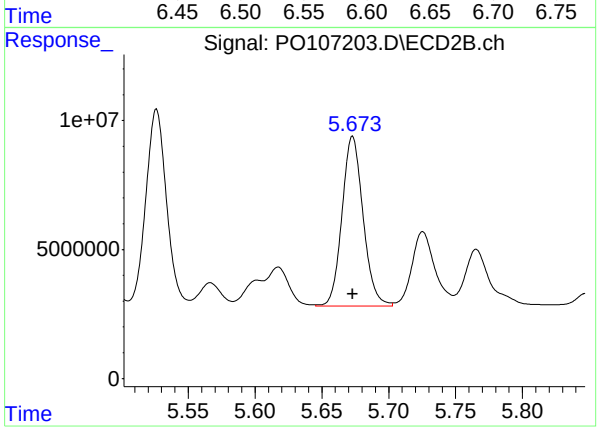

#26 AR-1254-1

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 82774166
Conc: 500.00 ng/ml



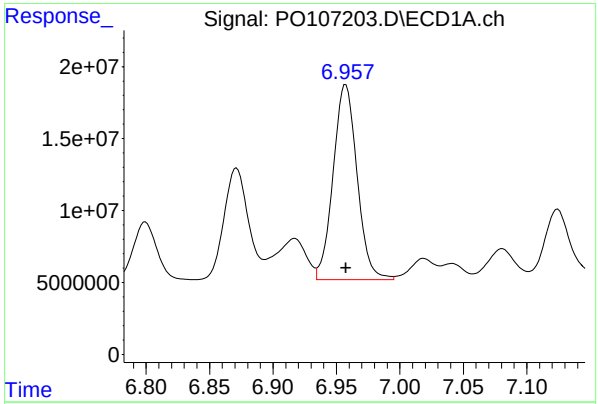

#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 186515619
Conc: 500.00 ng/ml




#27 AR-1254-2

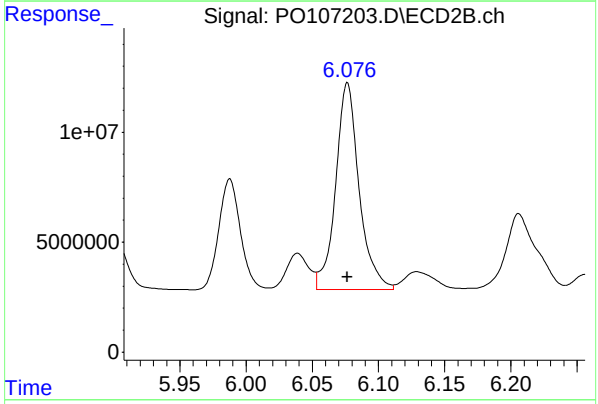
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72273461
Conc: 500.00 ng/ml




#28 AR-1254-3

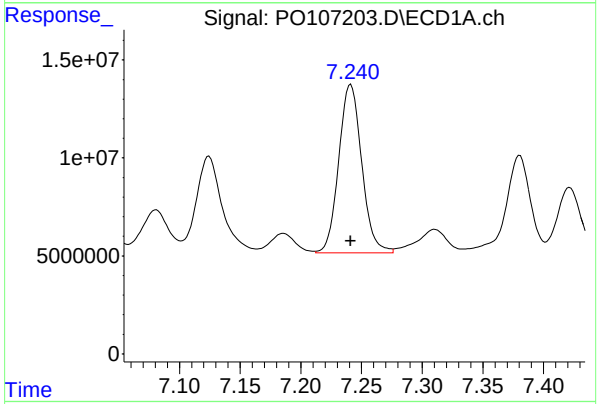
R.T.: 6.957 min
Delta R.T.: 0.000 min
Response: 177954653
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500



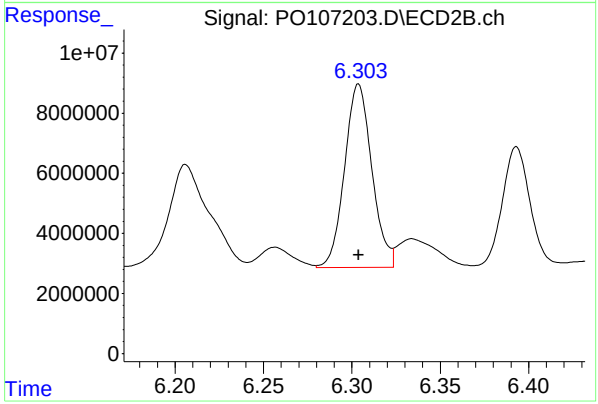

#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116106703
Conc: 500.00 ng/ml



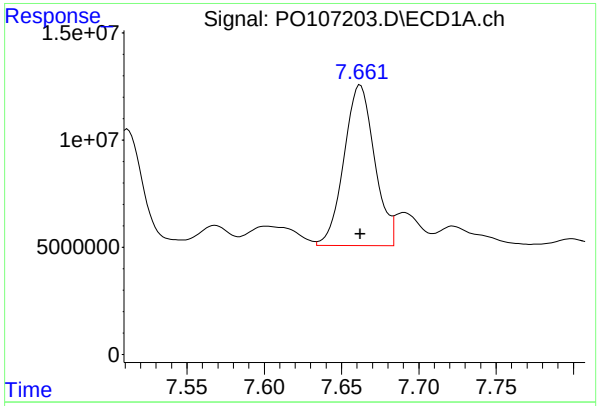

#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 113593844
Conc: 500.00 ng/ml




#29 AR-1254-4

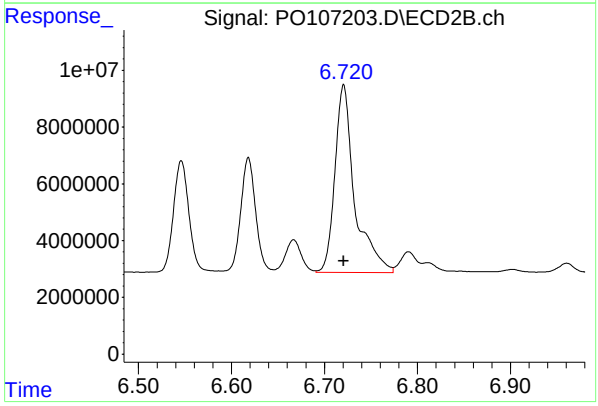
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65662675
Conc: 500.00 ng/ml




#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 102934514
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC500




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 97689052
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
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: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 237.7E6 | 84055907 | 25.883 | 25.060 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 65039455 | 70920394 | 25.927 | 25.571 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.527 | 71547490 | 42929426 | 269.998 | 259.317 |
| 27) | L6 AR-1254-2 | 6.593 | 5.674 | 100.3E6 | 37831493 | 268.904 | 261.725 |
| 28) | L6 AR-1254-3 | 6.956 | 6.078 | 94624615 | 59643812 | 265.867 | 256.849 |
| 29) | L6 AR-1254-4 | 7.241 | 6.305 | 60632555 | 33801761 | 266.883 | 257.389 |
| 30) | L6 AR-1254-5 | 7.662 | 6.721 | 55034918 | 50297216 | 267.330 | 257.435 |

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

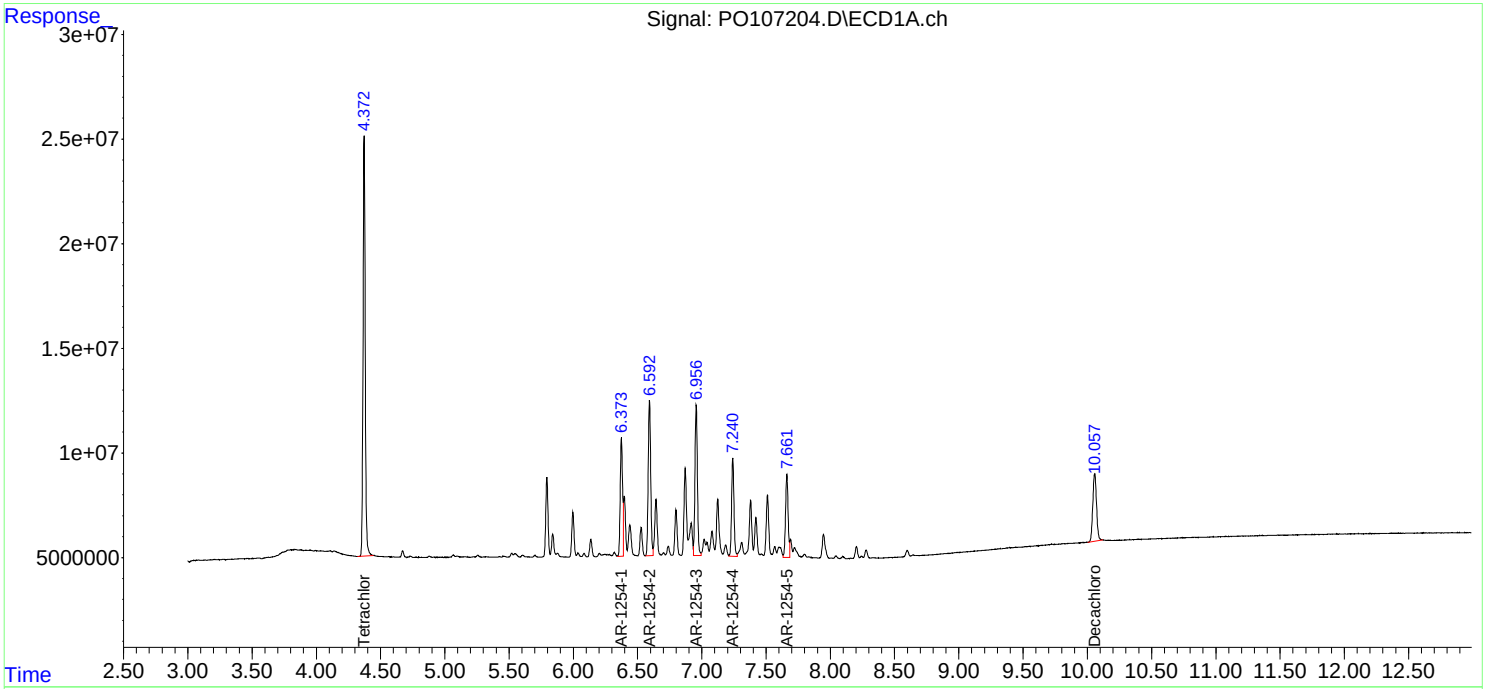
ICAL Form

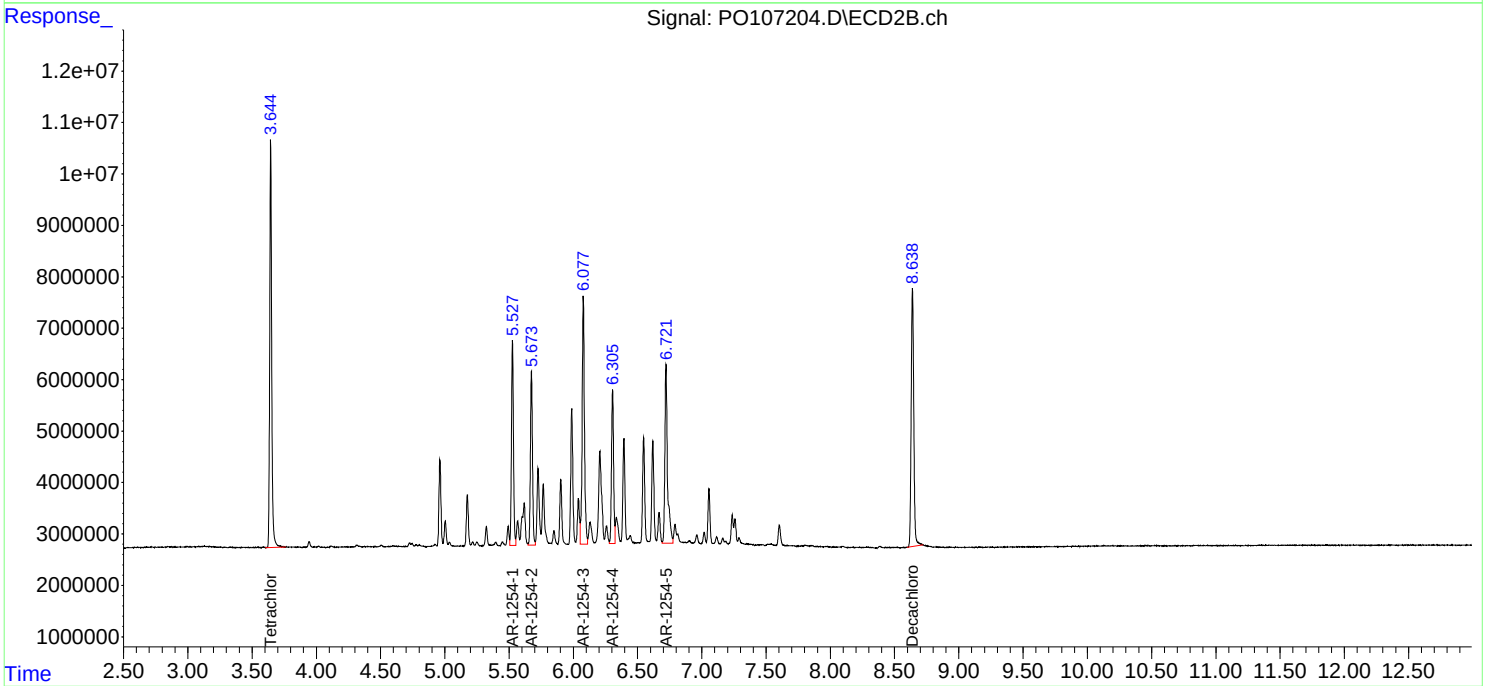
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:29
Operator : YP/AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

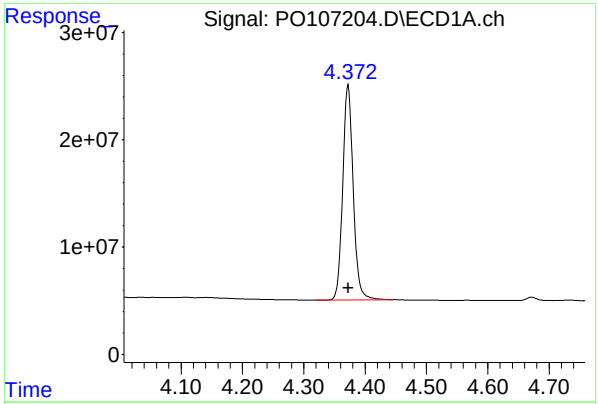
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



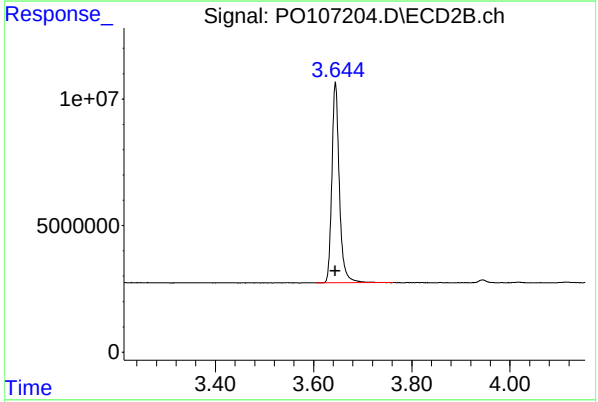






#1 Tetrachloro-m-xylene

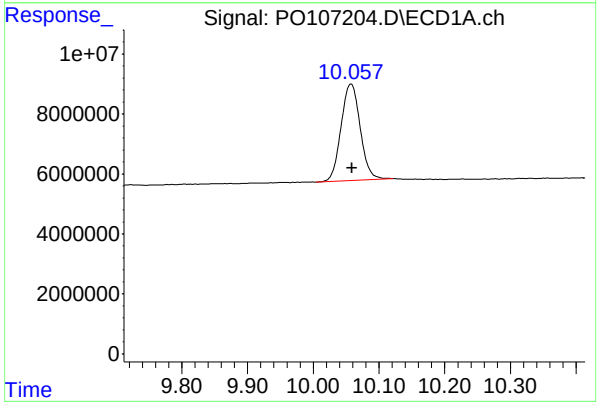
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 237720712
Conc: 25.88 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



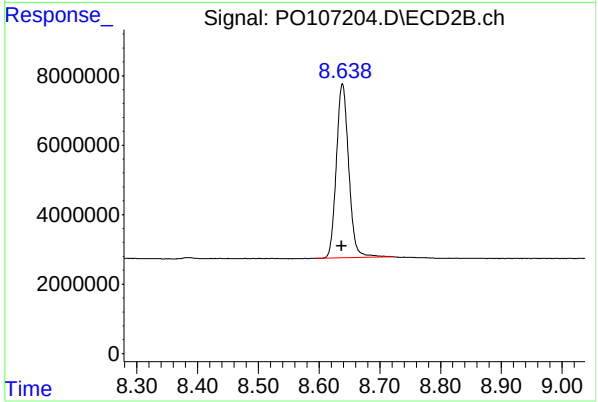

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 84055907
Conc: 25.06 ng/ml



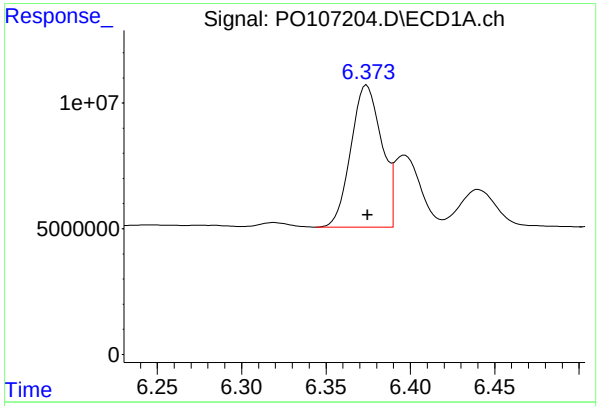

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 65039455
Conc: 25.93 ng/ml




#2 Decachlorobiphenyl

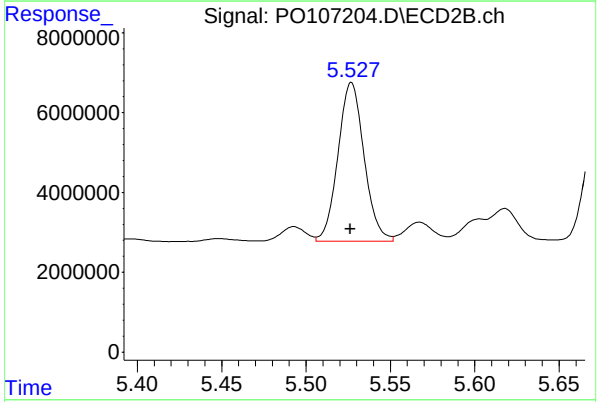
R.T.: 8.638 min
Delta R.T.: 0.001 min
Response: 70920394
Conc: 25.57 ng/ml




#26 AR-1254-1

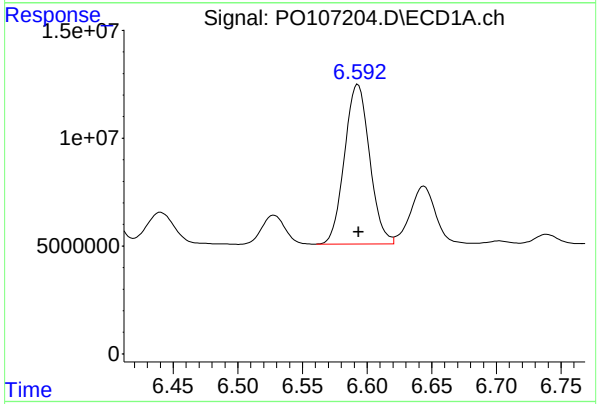
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 71547490
Conc: 270.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



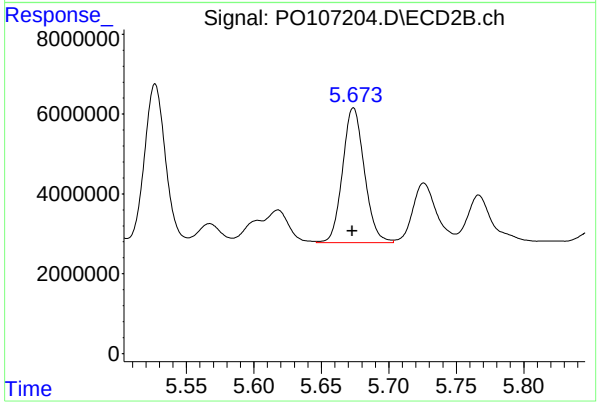

#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 42929426
Conc: 259.32 ng/ml



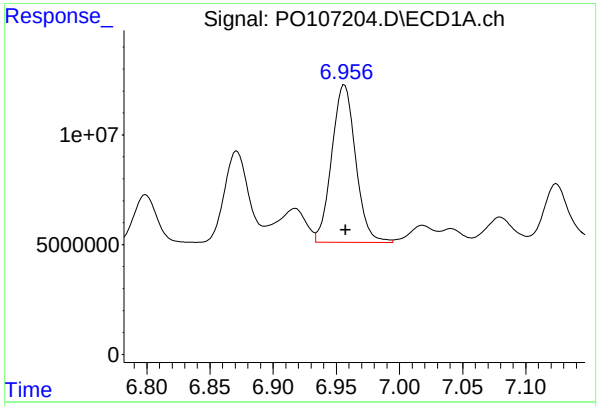

#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 100309495
Conc: 268.90 ng/ml




#27 AR-1254-2

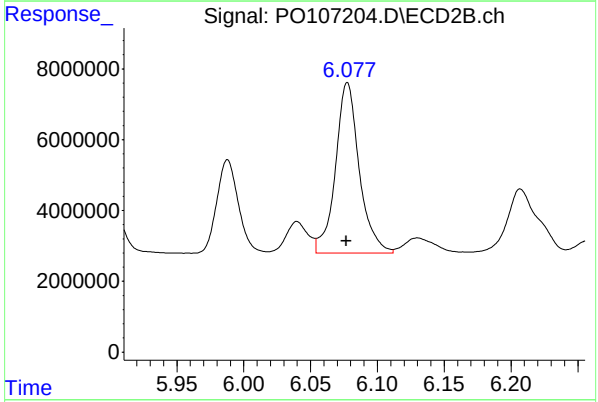
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 37831493
Conc: 261.72 ng/ml




#28 AR-1254-3

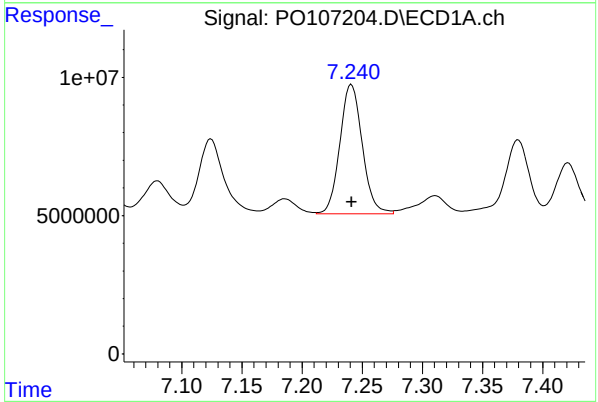
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 94624615
Conc: 265.87 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250



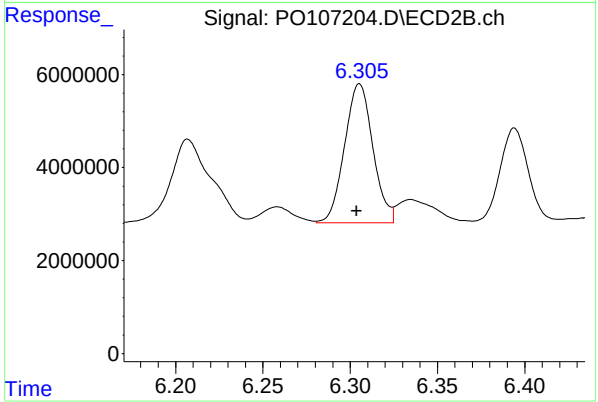

#28 AR-1254-3

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 59643812
Conc: 256.85 ng/ml



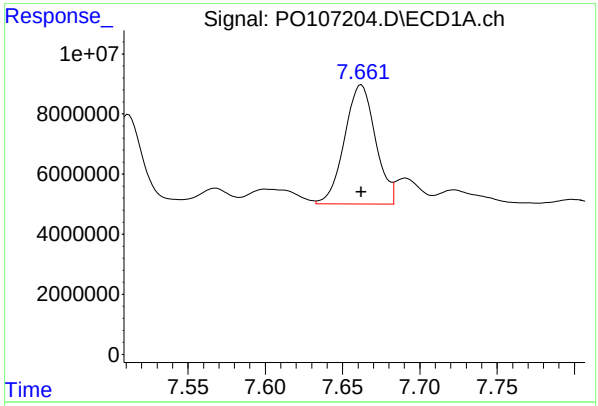

#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 60632555
Conc: 266.88 ng/ml




#29 AR-1254-4

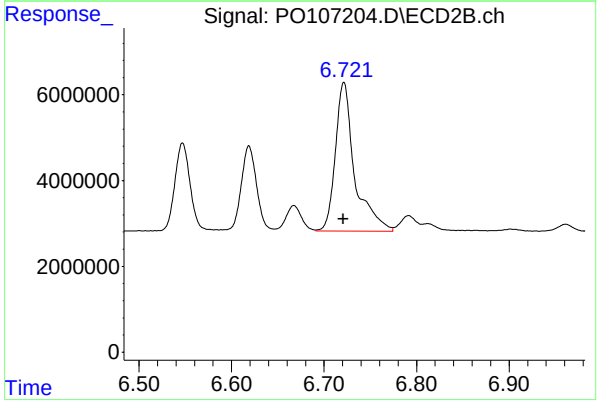
R.T.: 6.305 min
Delta R.T.: 0.002 min
Response: 33801761
Conc: 257.39 ng/ml




#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 mi
Response: 55034918
Conc: 267.33 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 50297216
Conc: 257.44 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
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: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | | |
| 1) | SA | Tetrachlo... | 4.373 | 3.645 | 43957547 | 14653198 | 4.786 | 4.369 |
| 2) | SA | Decachlor... | 10.057 | 8.638 | 11796837 | 12993699 | 4.703 | 4.685 |
| | Target Compounds | | | | | | | |
| 26) | L6 | AR-1254-1 | 6.375 | 5.527 | 14457853 | 8148243 | 54.560 | 49.220 |
| 27) | L6 | AR-1254-2 | 6.593 | 5.674 | 20149788 | 7410157 | 54.016 | 51.265 |
| 28) | L6 | AR-1254-3 | 6.956 | 6.077 | 18631522 | 10943354 | 52.349 | 47.126 |
| 29) | L6 | AR-1254-4 | 7.241 | 6.304 | 12202348 | 6104594 | 53.710 | 46.485 |
| 30) | L6 | AR-1254-5 | 7.662 | 6.721 | 10827332 | 8581830 | 52.593 | 43.924 |

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

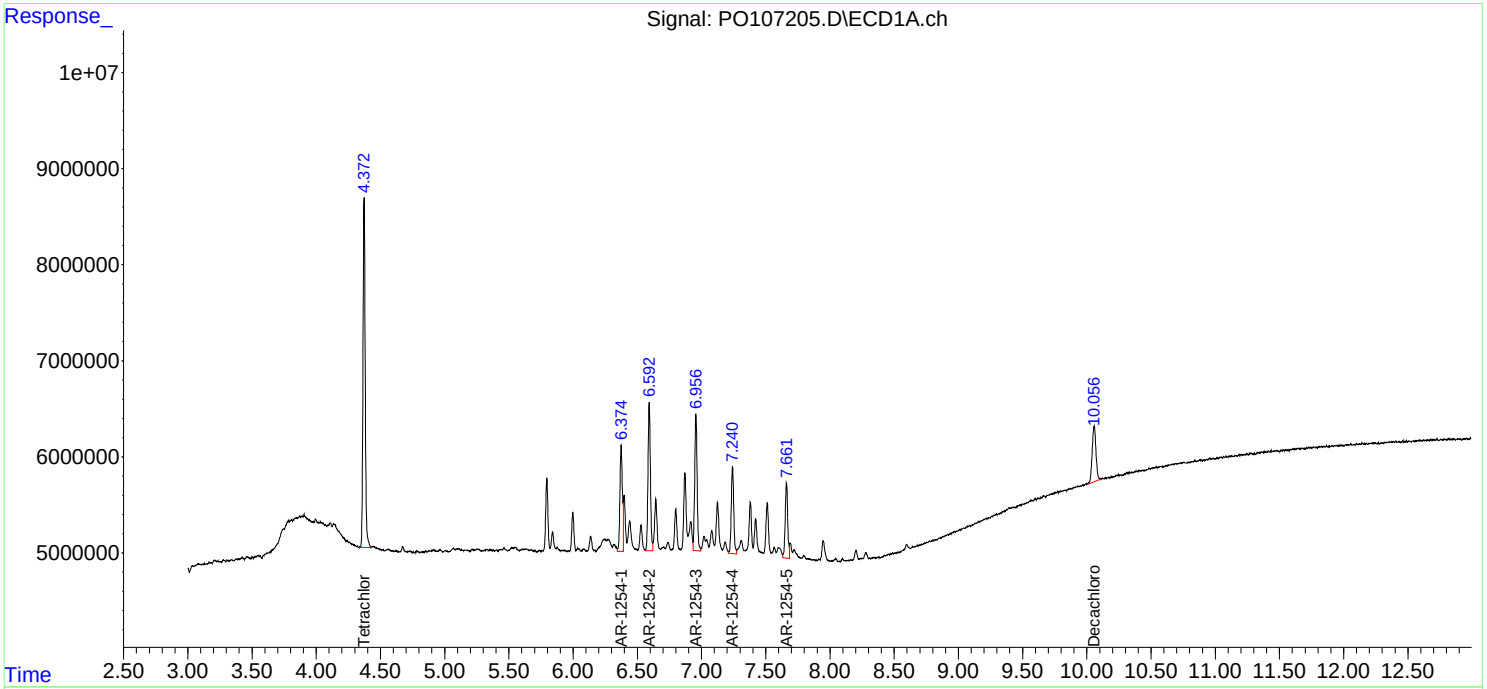
ICAL Form

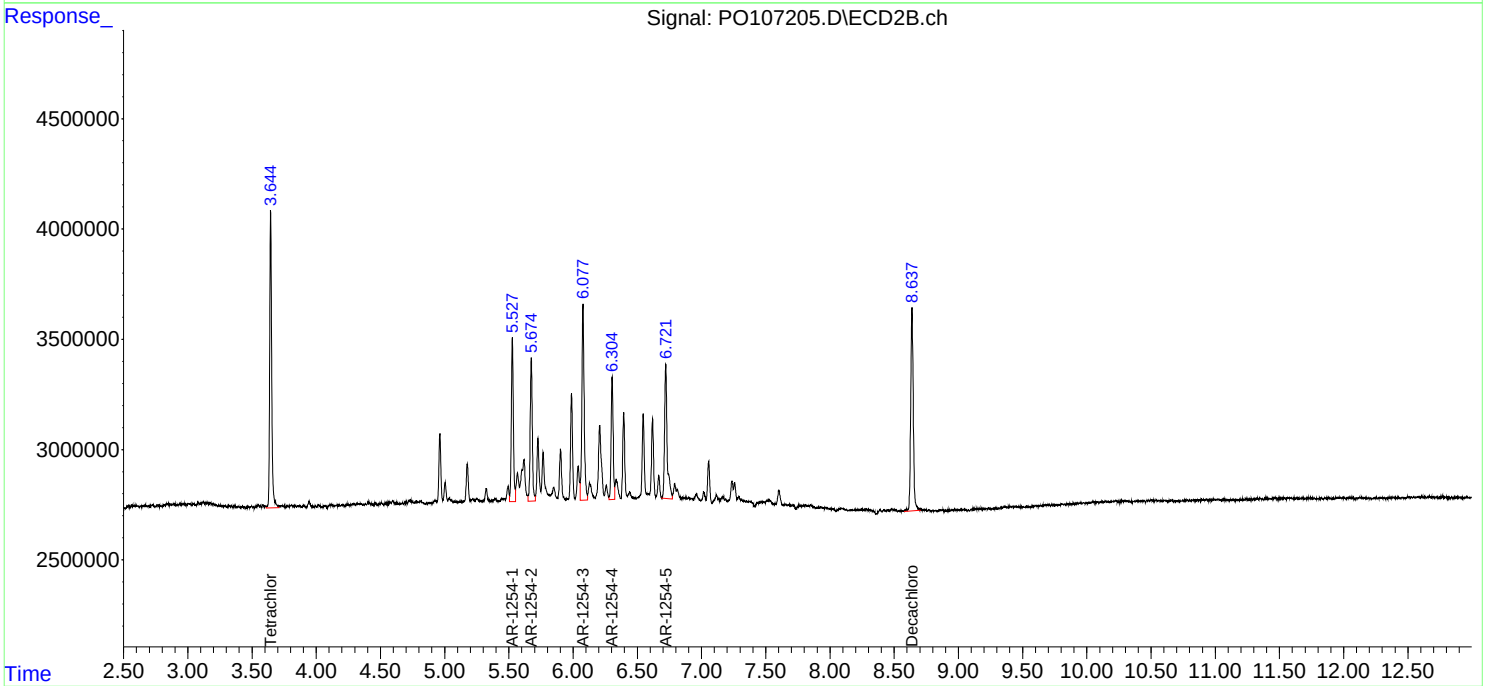
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 00:47
Operator : YP/AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

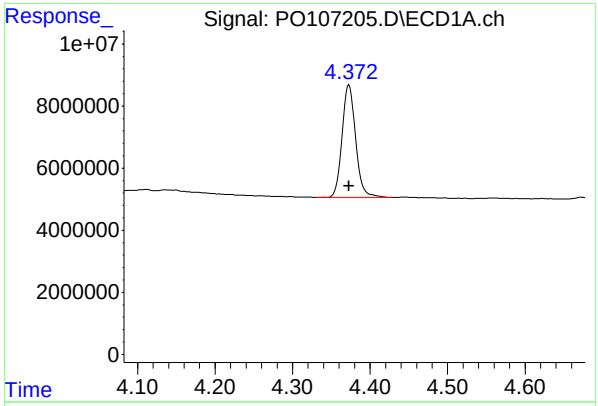
**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:23:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:21:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



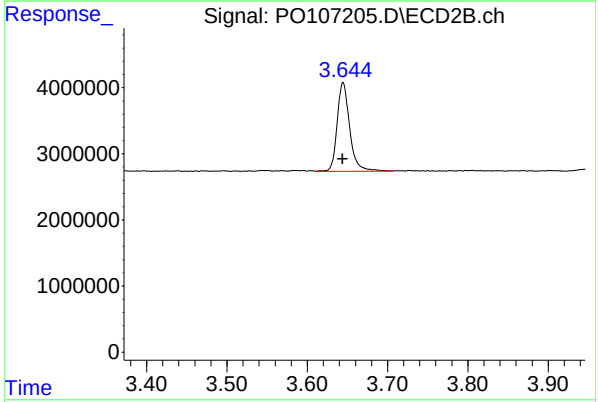






#1 Tetrachloro-m-xylene

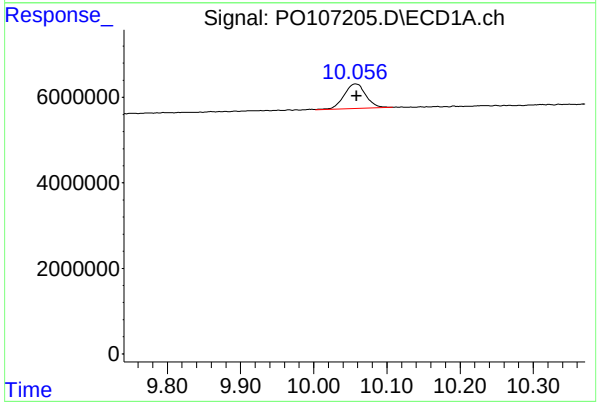
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 43957547
Conc: 4.79 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



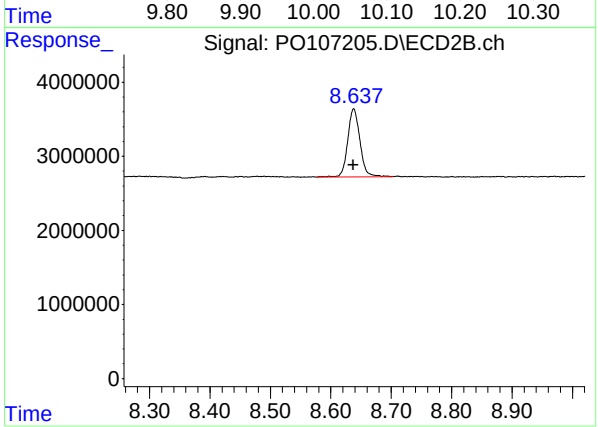

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14653198
Conc: 4.37 ng/ml



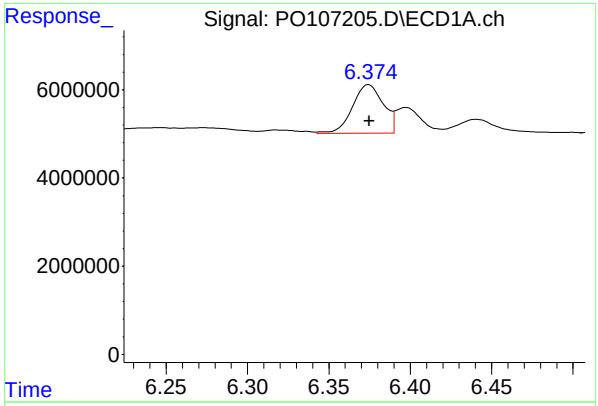

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.001 min
Response: 11796837
Conc: 4.70 ng/ml




#2 Decachlorobiphenyl

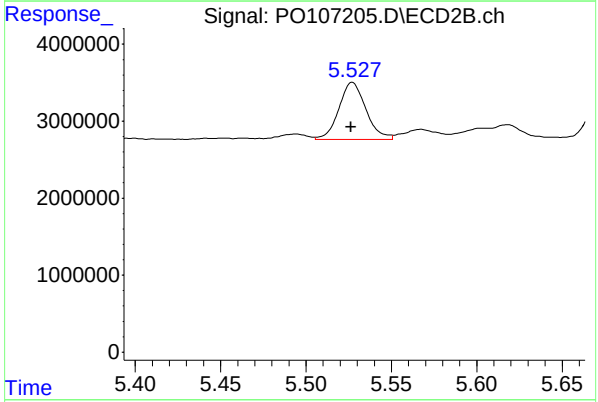
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 12993699
Conc: 4.69 ng/ml




#26 AR-1254-1

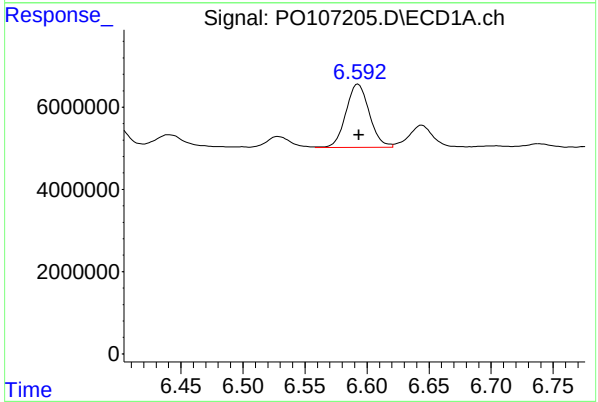
R.T.: 6.375 min
Delta R.T.: 0.000 min
Response: 14457853
Conc: 54.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



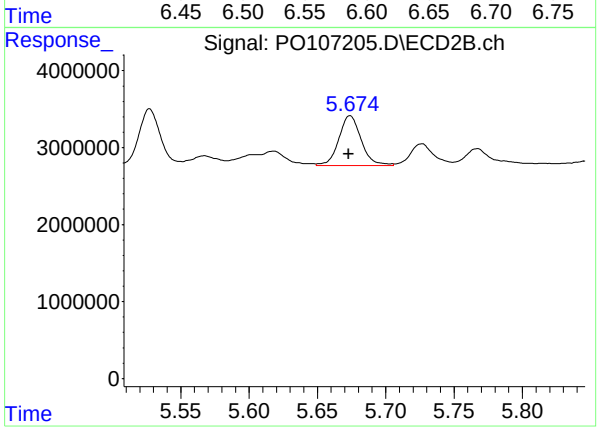

#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 8148243
Conc: 49.22 ng/ml



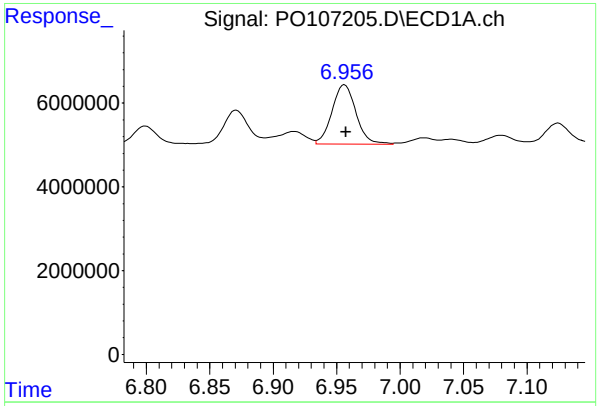

#27 AR-1254-2

R.T.: 6.593 min
Delta R.T.: 0.000 min
Response: 20149788
Conc: 54.02 ng/ml




#27 AR-1254-2

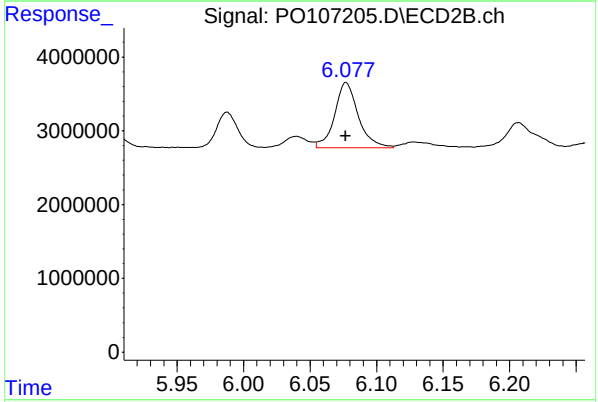
R.T.: 5.674 min
Delta R.T.: 0.000 min
Response: 7410157
Conc: 51.26 ng/ml




#28 AR-1254-3

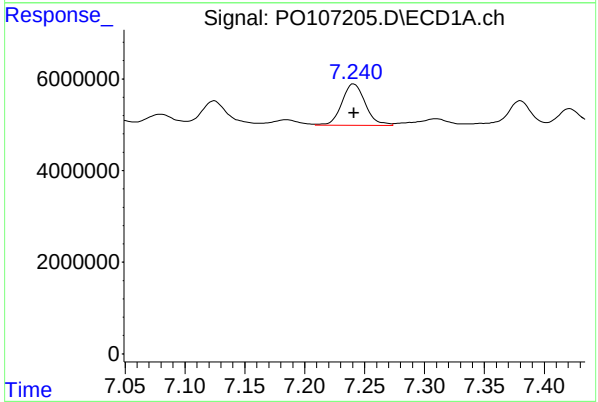
R.T.: 6.956 min
Delta R.T.: -0.001 min
Response: 18631522
Conc: 52.35 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050



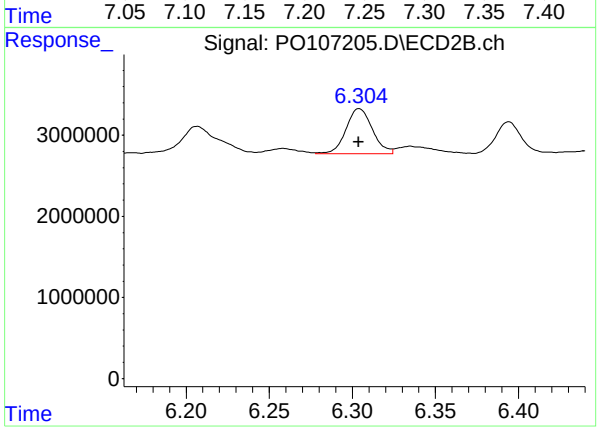

#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 10943354
Conc: 47.13 ng/ml



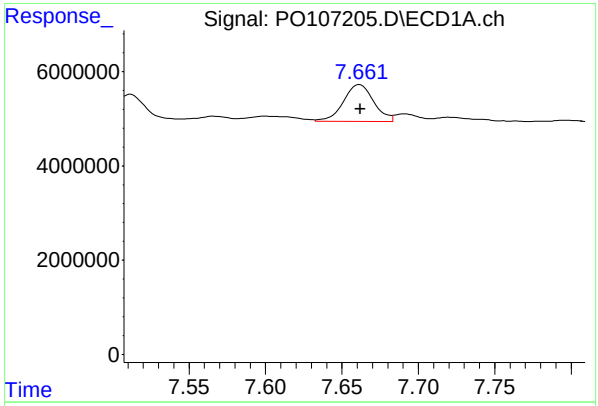

#29 AR-1254-4

R.T.: 7.241 min
Delta R.T.: 0.000 min
Response: 12202348
Conc: 53.71 ng/ml




#29 AR-1254-4

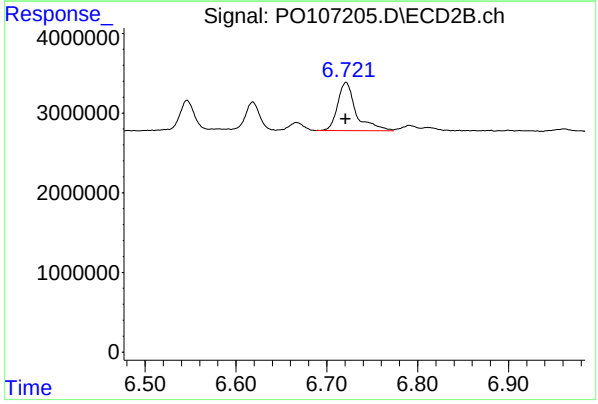
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 6104594
Conc: 46.48 ng/ml




#30 AR-1254-5

R.T.: 7.662 min
Delta R.T.: 0.000 min
Response: 10827332
Conc: 52.59 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1254ICC050




#30 AR-1254-5

R.T.: 6.721 min
Delta R.T.: 0.000 min
Response: 8581830
Conc: 43.92 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
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: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 446.6E6 | 163.0E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.059 | 8.638 | 123.1E6 | 135.8E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 7.742 | 6.759 | 122.8E6 | 106.4E6 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.279 | 7.258 | 154.7E6 | 181.7E6 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 8.592 | 7.541 | 104.6E6 | 68691960 | 500.000 | 500.000 |
| 39) | L8 AR-1262-4 | 8.677 | 7.605 | 81533074 | 132.3E6 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.315 | 8.096 | 51381891 | 56416259 | 500.000 | 500.000 |

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

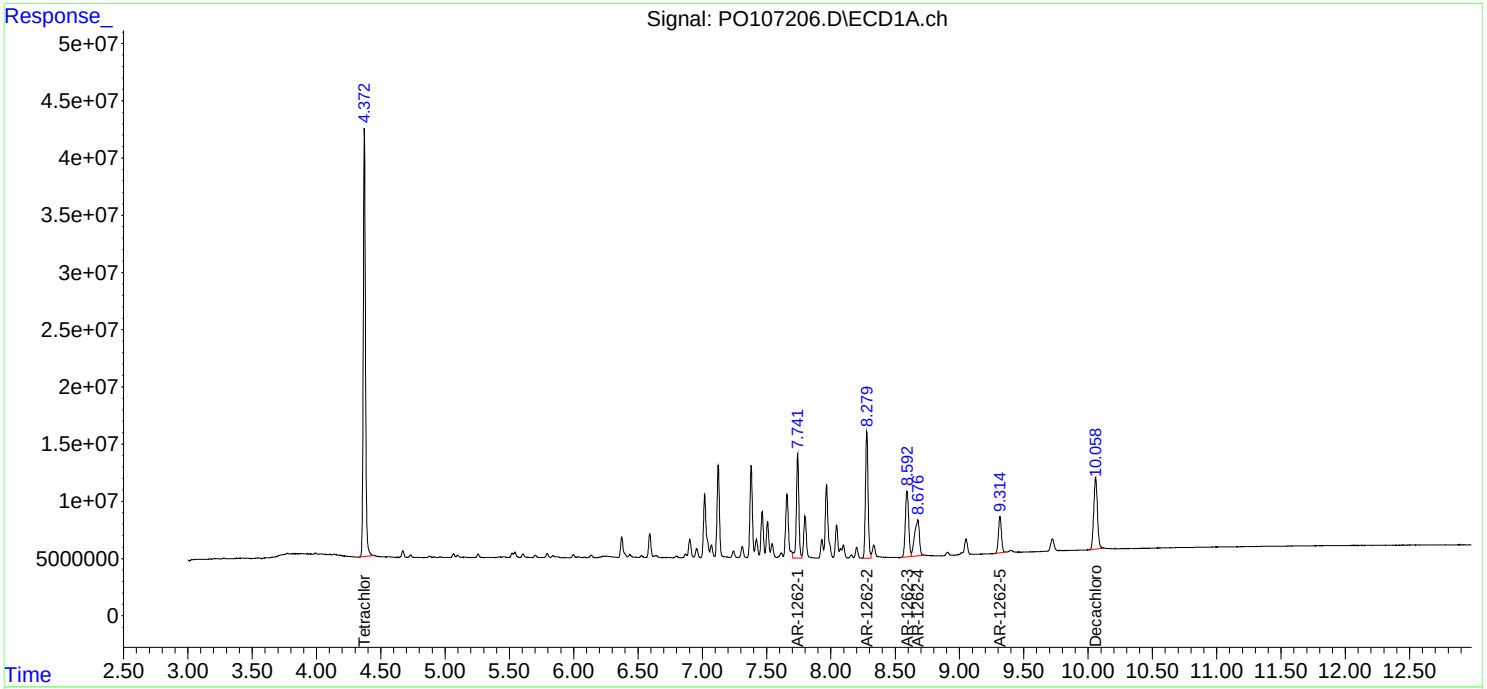
ICAL Form

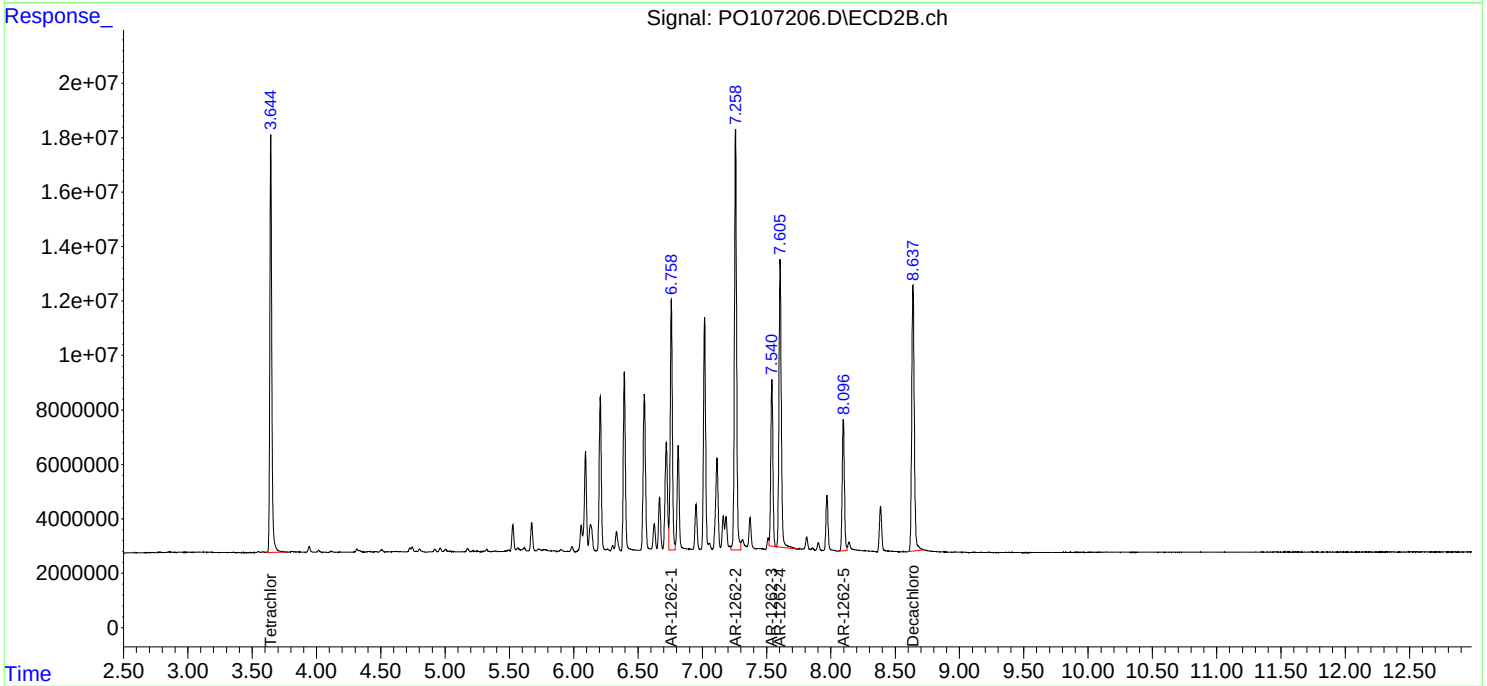
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:05
Operator : YP/AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

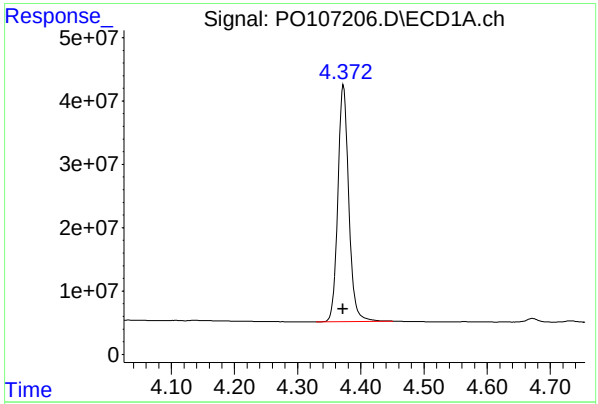
**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:32:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:31:54 2024
Response via : Initial Calibration
Integrator: ChemStation

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



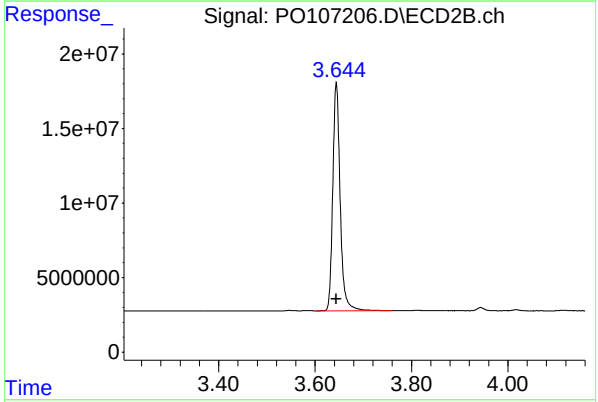






#1 Tetrachloro-m-xylene

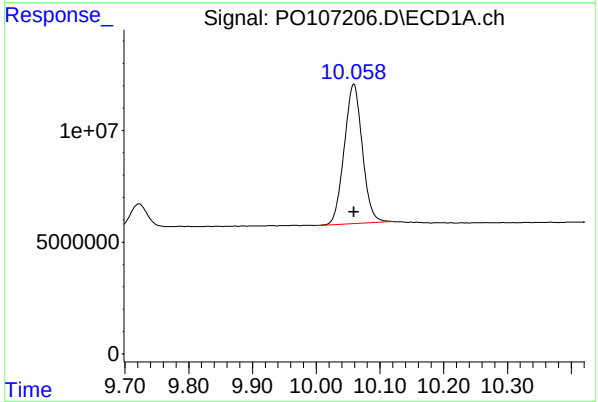
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 446564970
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



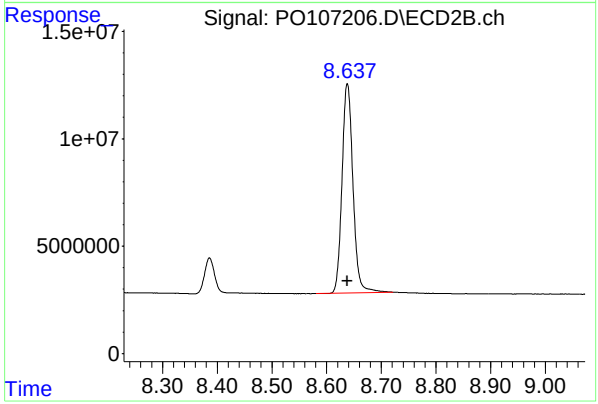

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 162970994
Conc: 50.00 ng/ml



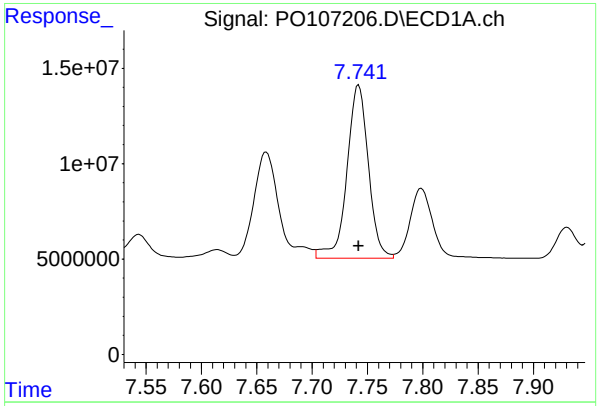

#2 Decachlorobiphenyl

R.T.: 10.059 min
Delta R.T.: 0.000 min
Response: 123083673
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

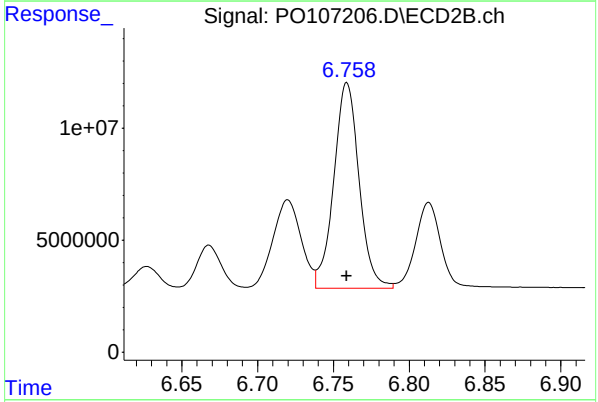
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 135774675
Conc: 50.00 ng/ml




#36 AR-1262-1

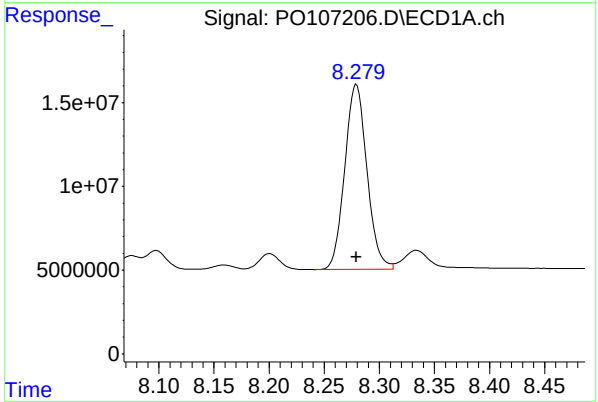
R.T.: 7.742 min
Delta R.T.: 0.000 min
Response: 122774056
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



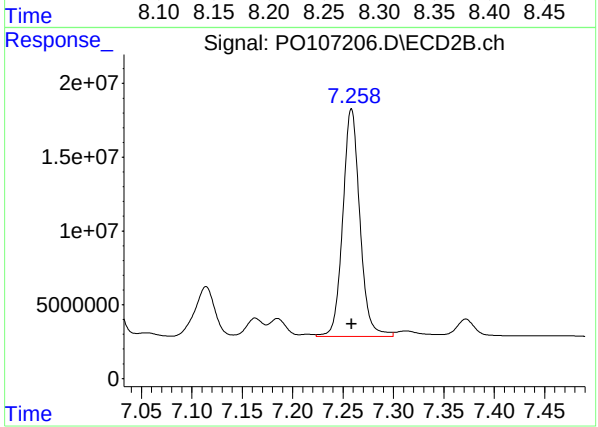

#36 AR-1262-1

R.T.: 6.759 min
Delta R.T.: 0.000 min
Response: 106438453
Conc: 500.00 ng/ml



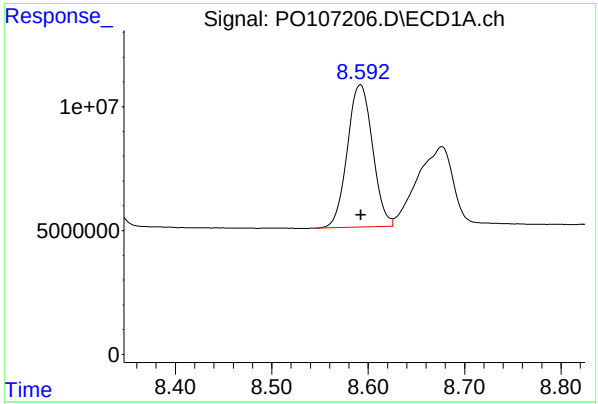

#37 AR-1262-2

R.T.: 8.279 min
Delta R.T.: 0.000 min
Response: 154709728
Conc: 500.00 ng/ml




#37 AR-1262-2

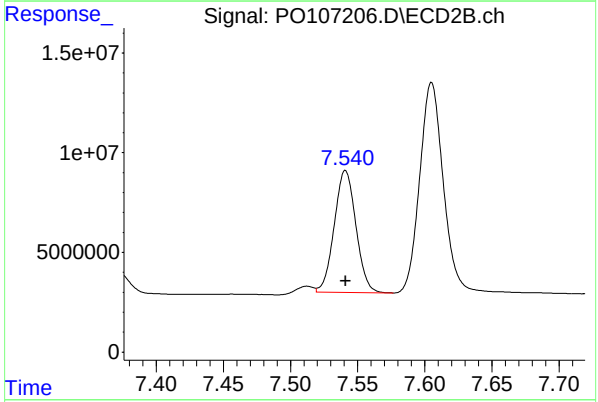
R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 181666310
Conc: 500.00 ng/ml




#38 AR-1262-3

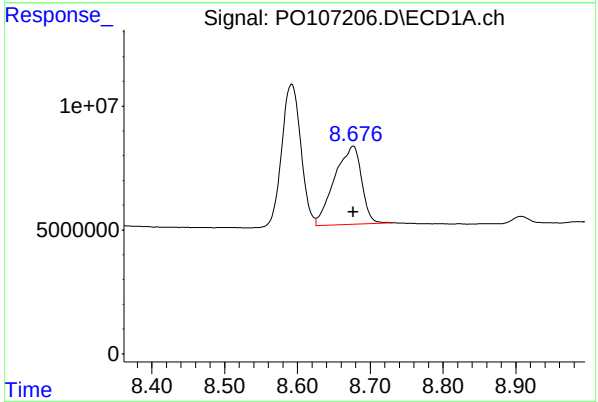
R.T.: 8.592 min
Delta R.T.: 0.000 min
Response: 104598174
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500



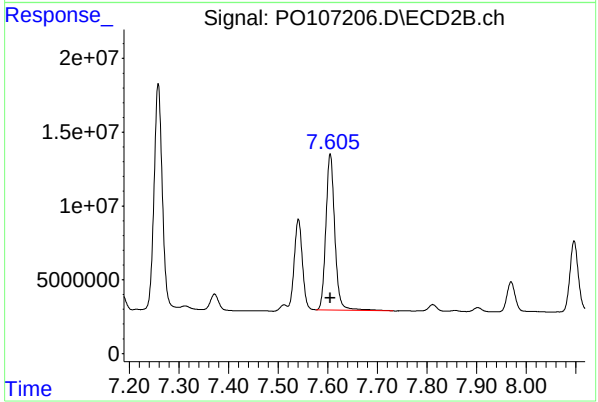

#38 AR-1262-3

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 68691960
Conc: 500.00 ng/ml



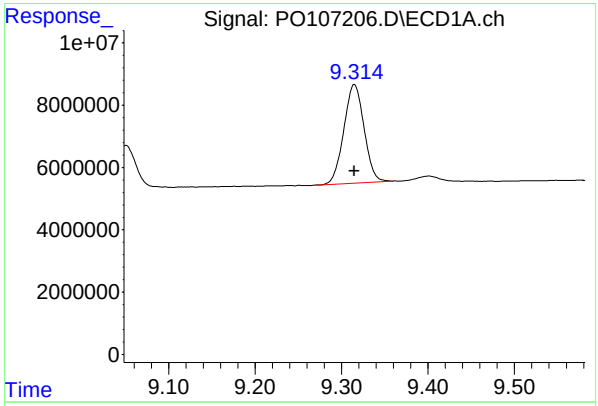

#39 AR-1262-4

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 81533074
Conc: 500.00 ng/ml




#39 AR-1262-4

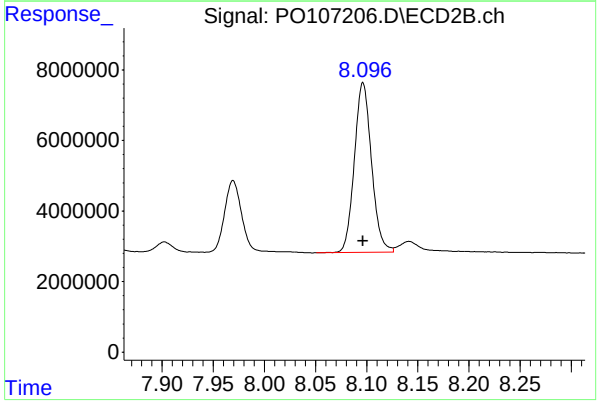
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 132286878
Conc: 500.00 ng/ml




#40 AR-1262-5

R.T.: 9.315 min
Delta R.T.: 0.000 mi
Response: 51381891
Conc: 500.00 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1262ICC500




#40 AR-1262-5

R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 56416259
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
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: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.645 | 914.0E6 | 344.0E6 | 98.153 | 100.708 |
| 2) | SA Decachlor... | 10.057 | 8.639 | 407.4E6 | 487.4E6 | 96.045 | 101.044 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 351.9E6 | 419.2E6 | 965.004 | 1012.873 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 313.1E6 | 389.7E6 | 963.780 | 1016.048 |
| 43) | L9 AR-1268-3 | 8.907 | 7.812 | 272.2E6 | 345.3E6 | 963.260 | 1016.931 |
| 44) | L9 AR-1268-4 | 9.313 | 8.097 | 112.2E6 | 129.1E6 | 978.396 | 1014.319 |
| 45) | L9 AR-1268-5 | 9.721 | 8.386 | 836.7E6 | 1049.2E6 | 987.735 | 1031.617 |

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

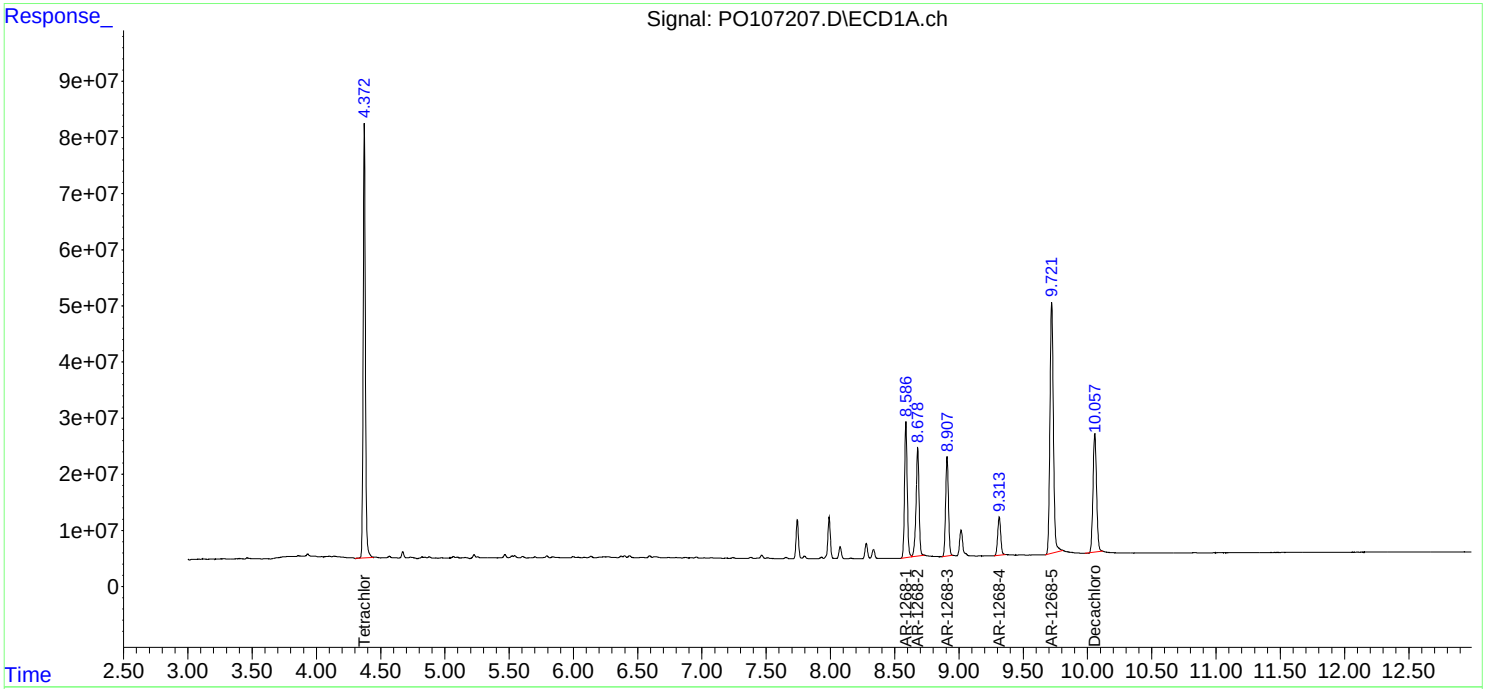
ICAL Form

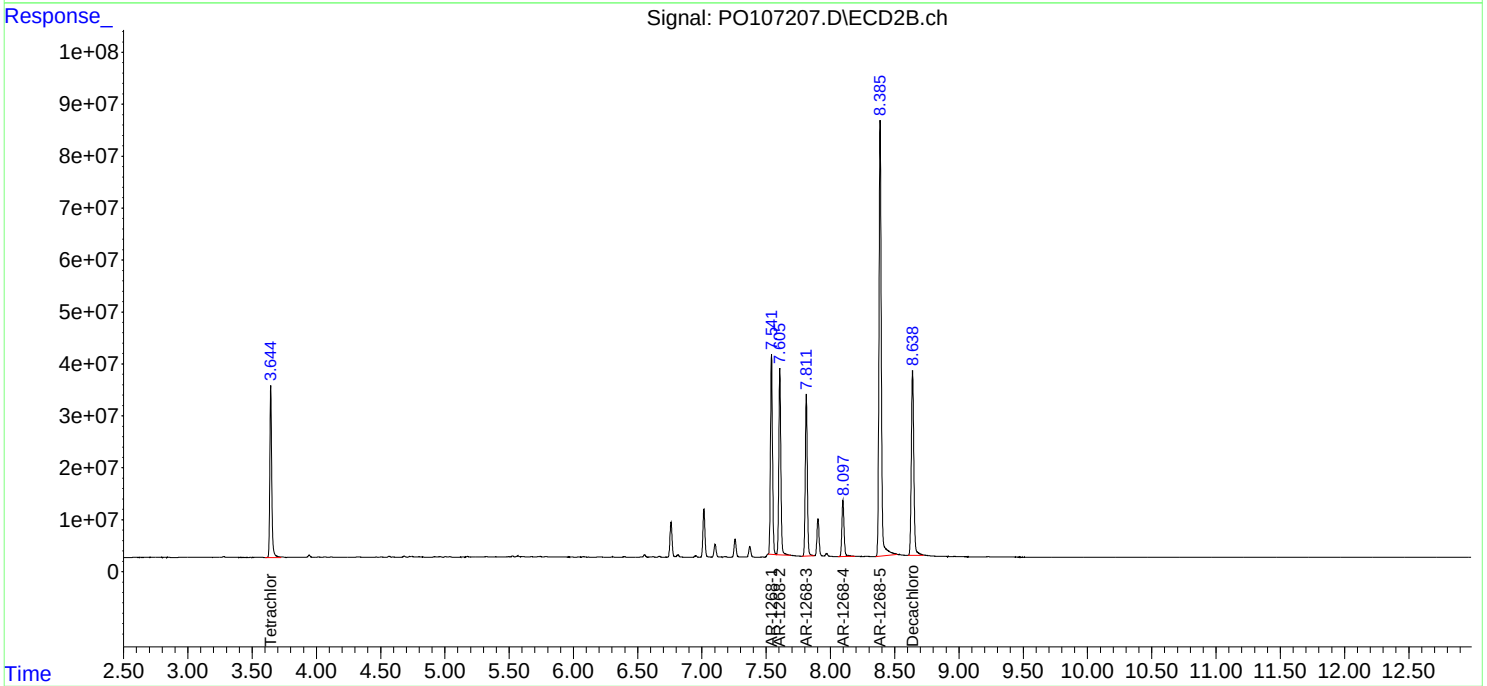
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:23
Operator : YP/AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

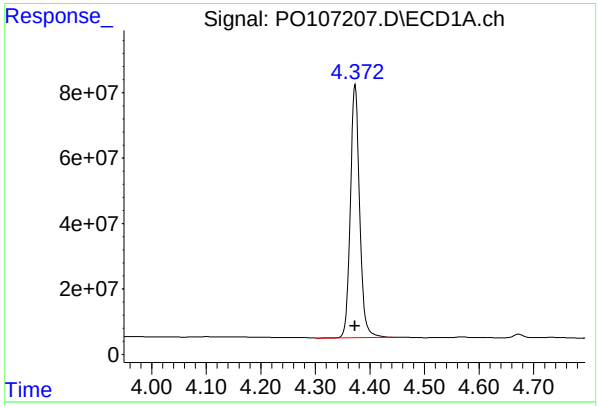
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



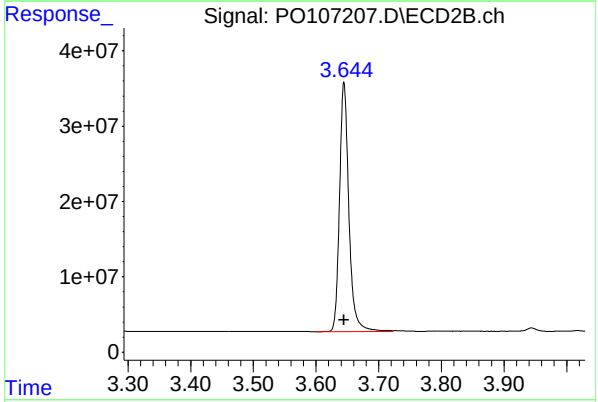






#1 Tetrachloro-m-xylene

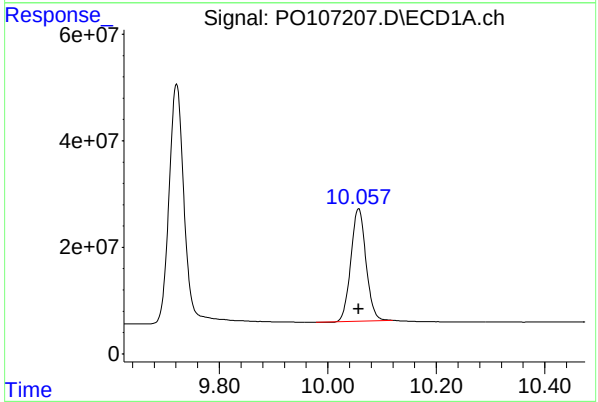
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 913960146
Conc: 98.15 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



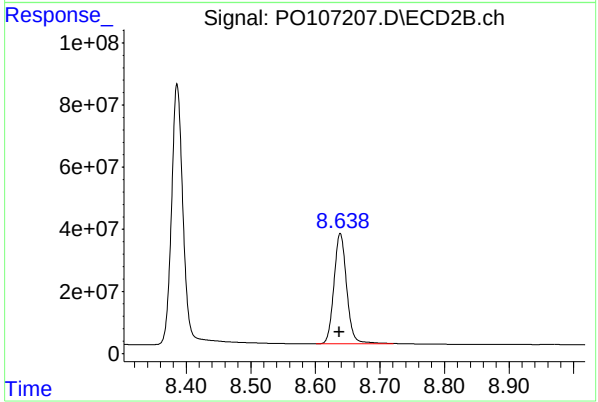

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 344028663
Conc: 100.71 ng/ml



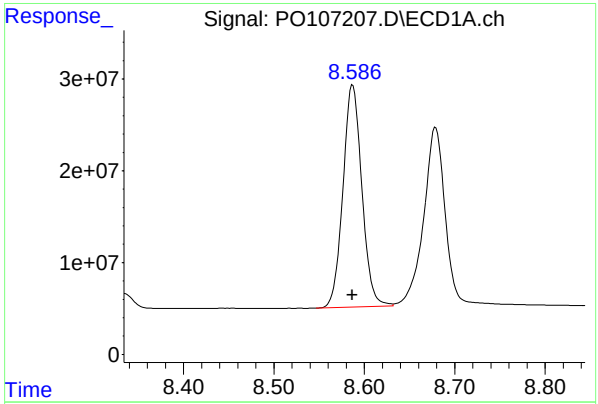

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 407419059
Conc: 96.05 ng/ml




#2 Decachlorobiphenyl

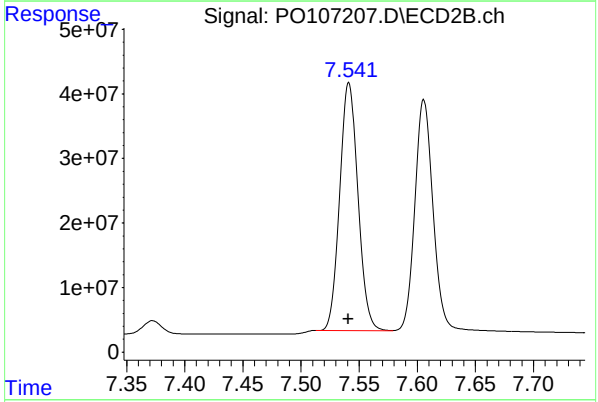
R.T.: 8.639 min
Delta R.T.: 0.001 min
Response: 487388979
Conc: 101.04 ng/ml




#41 AR-1268-1

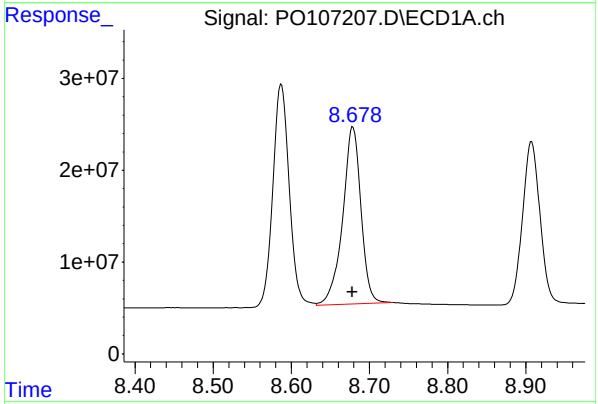
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 351862425
Conc: 965.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



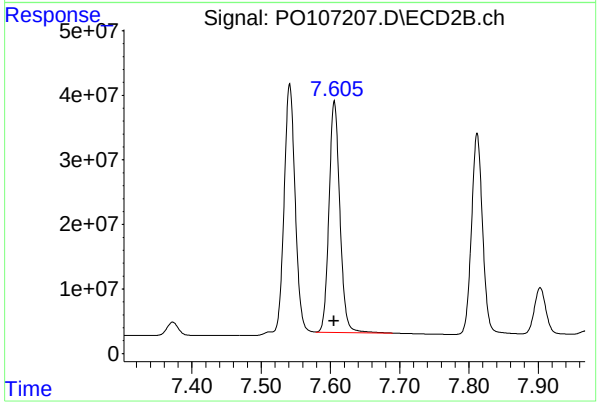

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 419191400
Conc: 1012.87 ng/ml



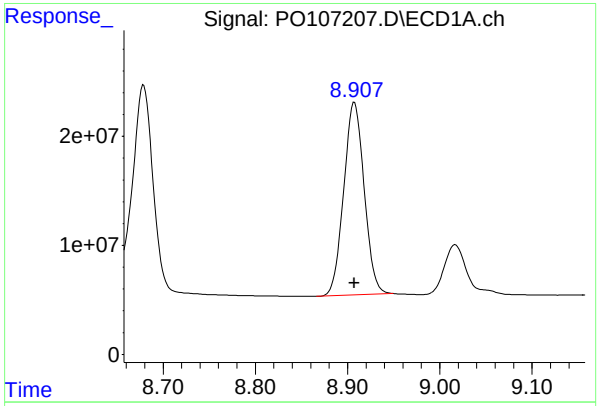

#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 313096403
Conc: 963.78 ng/ml




#42 AR-1268-2

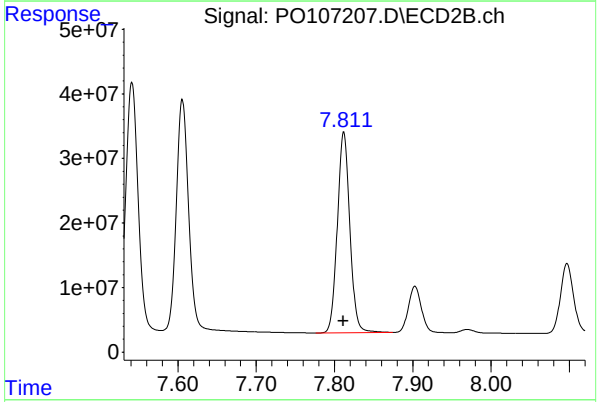
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 389672996
Conc: 1016.05 ng/ml




#43 AR-1268-3

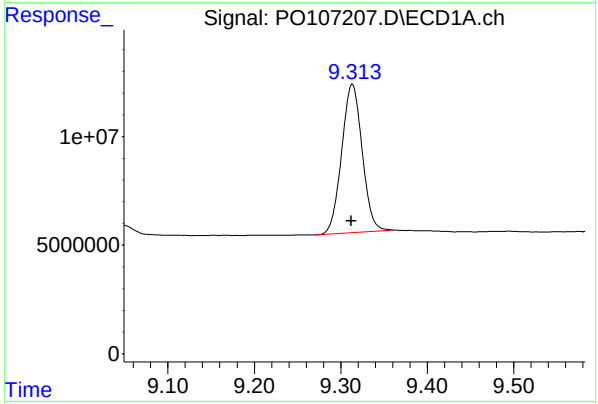
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 272236453
Conc: 963.26 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000



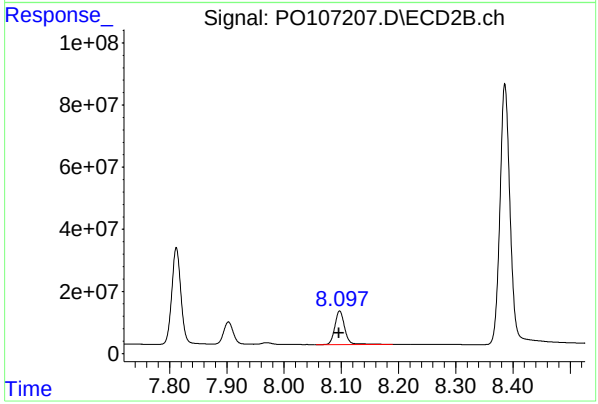

#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 345284332
Conc: 1016.93 ng/ml



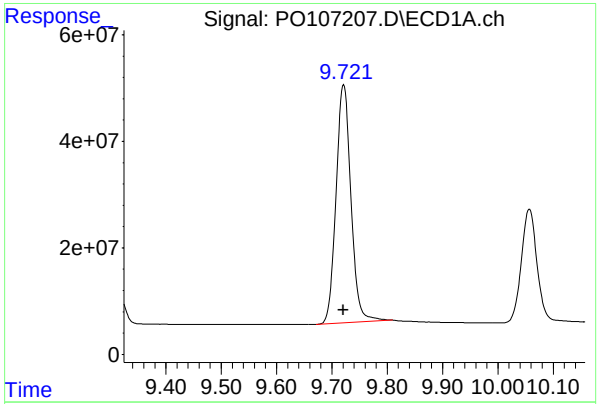

#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.001 min
Response: 112236308
Conc: 978.40 ng/ml




#44 AR-1268-4

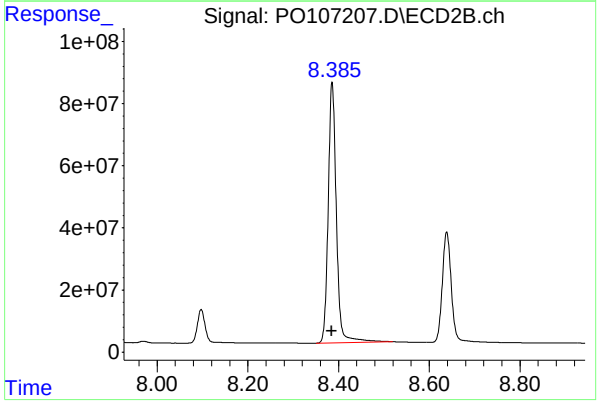
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 129107993
Conc: 1014.32 ng/ml




#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 836674479
Conc: 987.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC1000




#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 1049237500
Conc: 1031.62 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
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: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 670.2E6 | 249.7E6 | 71.974 | 73.105 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 310.2E6 | 355.5E6 | 73.131 | 73.693 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 264.3E6 | 307.5E6 | 724.887 | 742.983 |
| 42) | L9 AR-1268-2 | 8.678 | 7.605 | 235.9E6 | 285.1E6 | 726.056 | 743.309 |
| 43) | L9 AR-1268-3 | 8.908 | 7.812 | 204.6E6 | 253.4E6 | 723.835 | 746.228 |
| 44) | L9 AR-1268-4 | 9.312 | 8.096 | 83445833 | 95583754 | 727.421 | 750.941 |
| 45) | L9 AR-1268-5 | 9.722 | 8.386 | 624.8E6 | 764.5E6 | 737.635 | 751.645 |

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

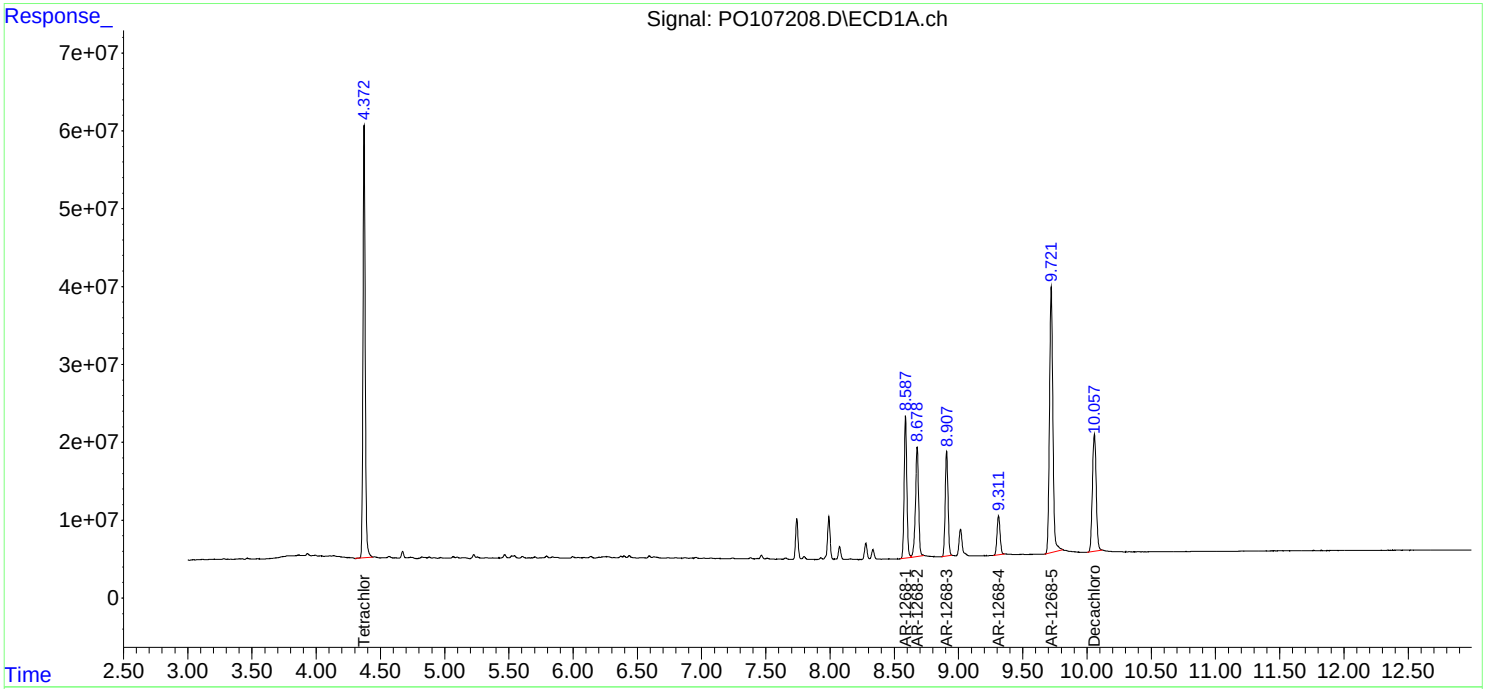
ICAL Form

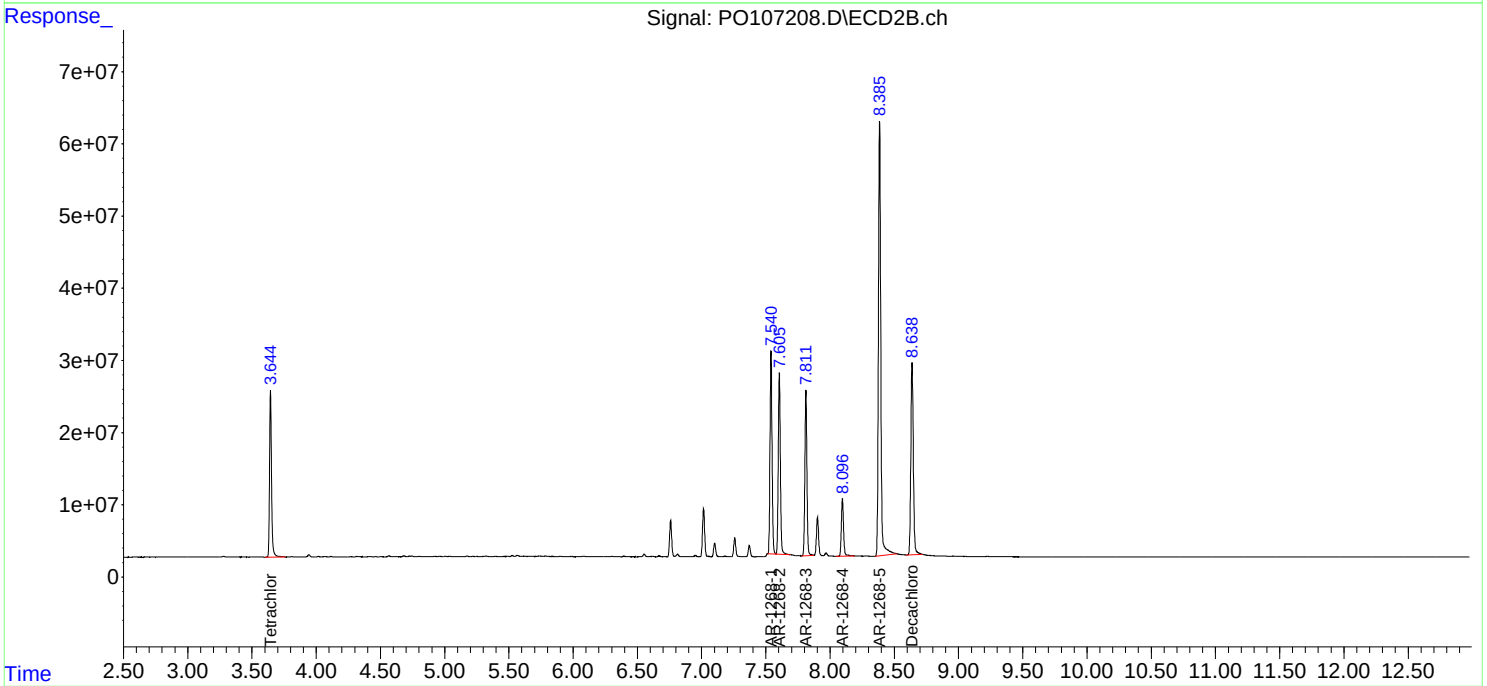
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107208.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:41
Operator : YP/AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

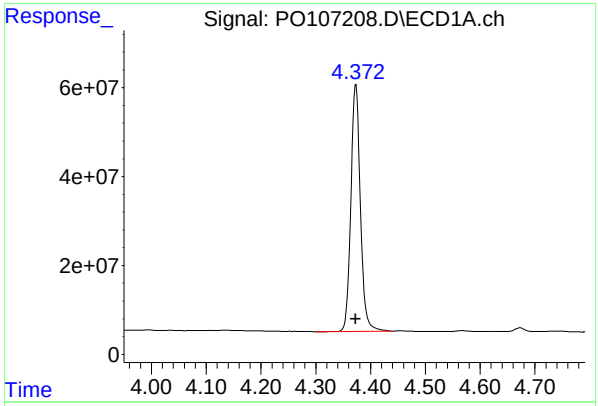
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



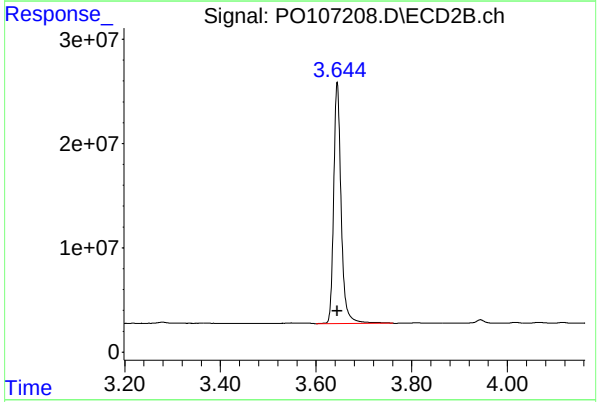






#1 Tetrachloro-m-xylene

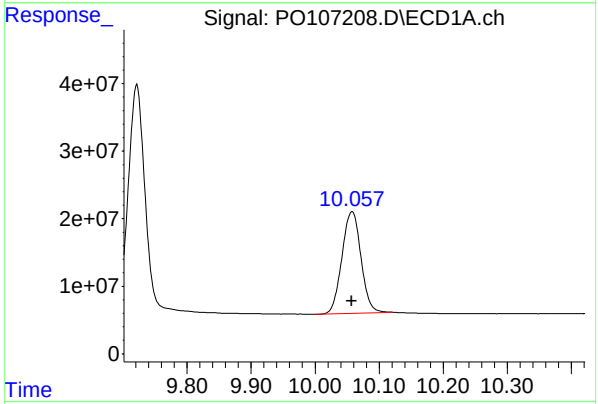
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 670196845
Conc: 71.97 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



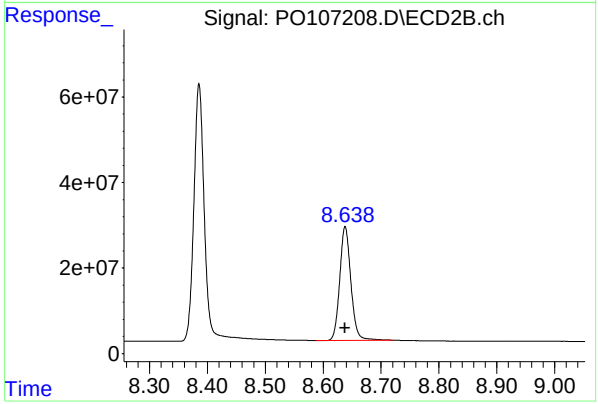

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 249732853
Conc: 73.10 ng/ml



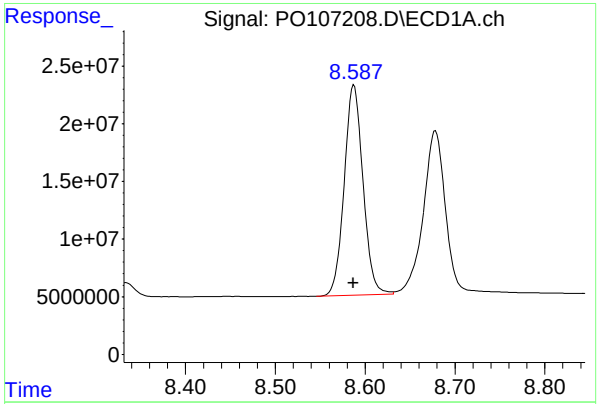

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.001 min
Response: 310217562
Conc: 73.13 ng/ml




#2 Decachlorobiphenyl

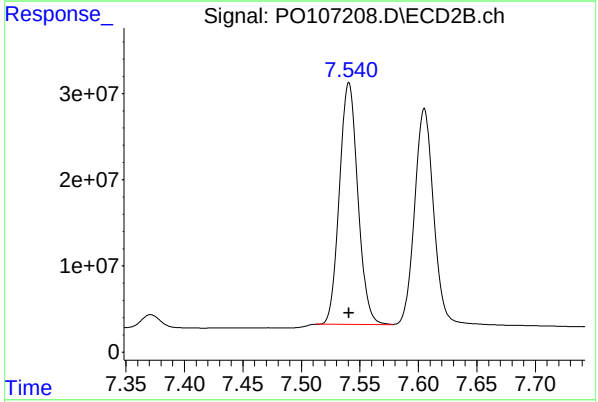
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 355458898
Conc: 73.69 ng/ml




#41 AR-1268-1

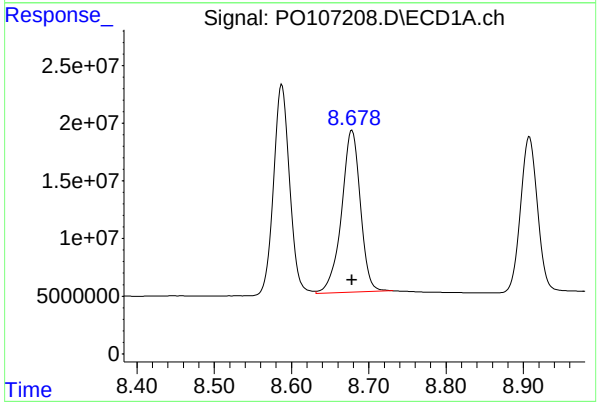
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 264310364
Conc: 724.89 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



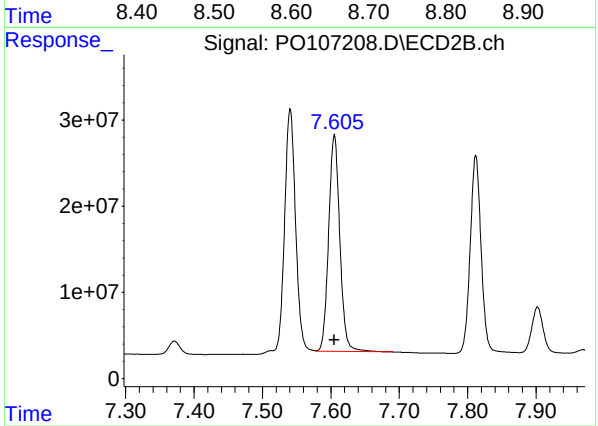

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 307493619
Conc: 742.98 ng/ml



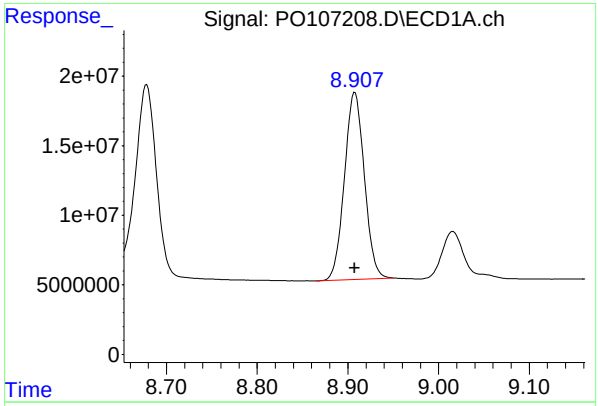

#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 235868584
Conc: 726.06 ng/ml




#42 AR-1268-2

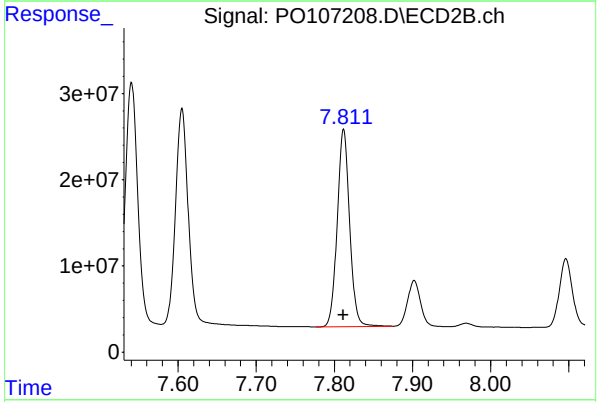
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 285072573
Conc: 743.31 ng/ml




#43 AR-1268-3

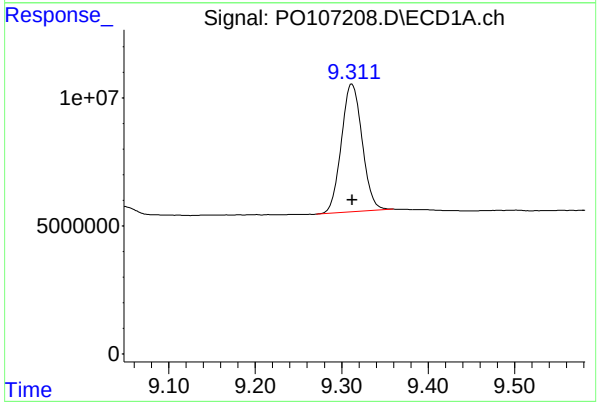
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 204570207
Conc: 723.83 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750



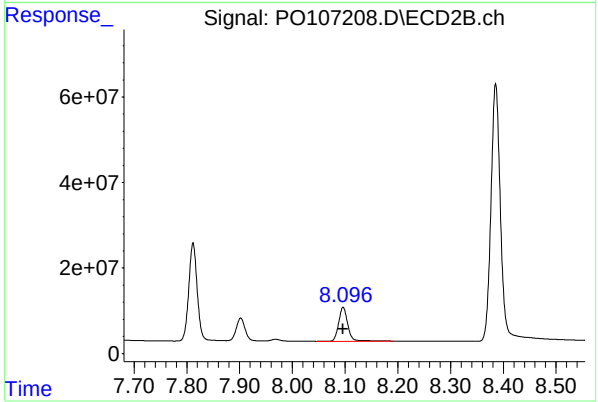

#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 253371130
Conc: 746.23 ng/ml



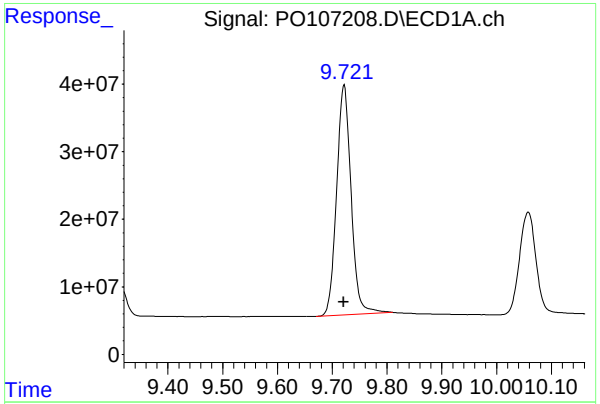

#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 83445833
Conc: 727.42 ng/ml




#44 AR-1268-4

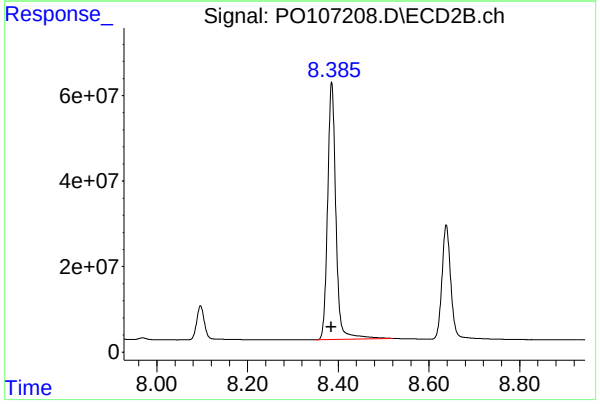
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 95583754
Conc: 750.94 ng/ml




#45 AR-1268-5

R.T.: 9.722 min
Delta R.T.: 0.001 min
Response: 624823653
Conc: 737.64 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC750




#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 764483445
Conc: 751.65 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
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: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.645 | 465.6E6 | 170.8E6 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.057 | 8.637 | 212.1E6 | 241.2E6 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 182.3E6 | 206.9E6 | 500.000 | 500.000 |
| 42) | L9 AR-1268-2 | 8.678 | 7.605 | 162.4E6 | 191.8E6 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 8.907 | 7.811 | 141.3E6 | 169.8E6 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.312 | 8.096 | 57357297 | 63642681 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 9.721 | 8.385 | 423.5E6 | 508.5E6 | 500.000 | 500.000 |

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

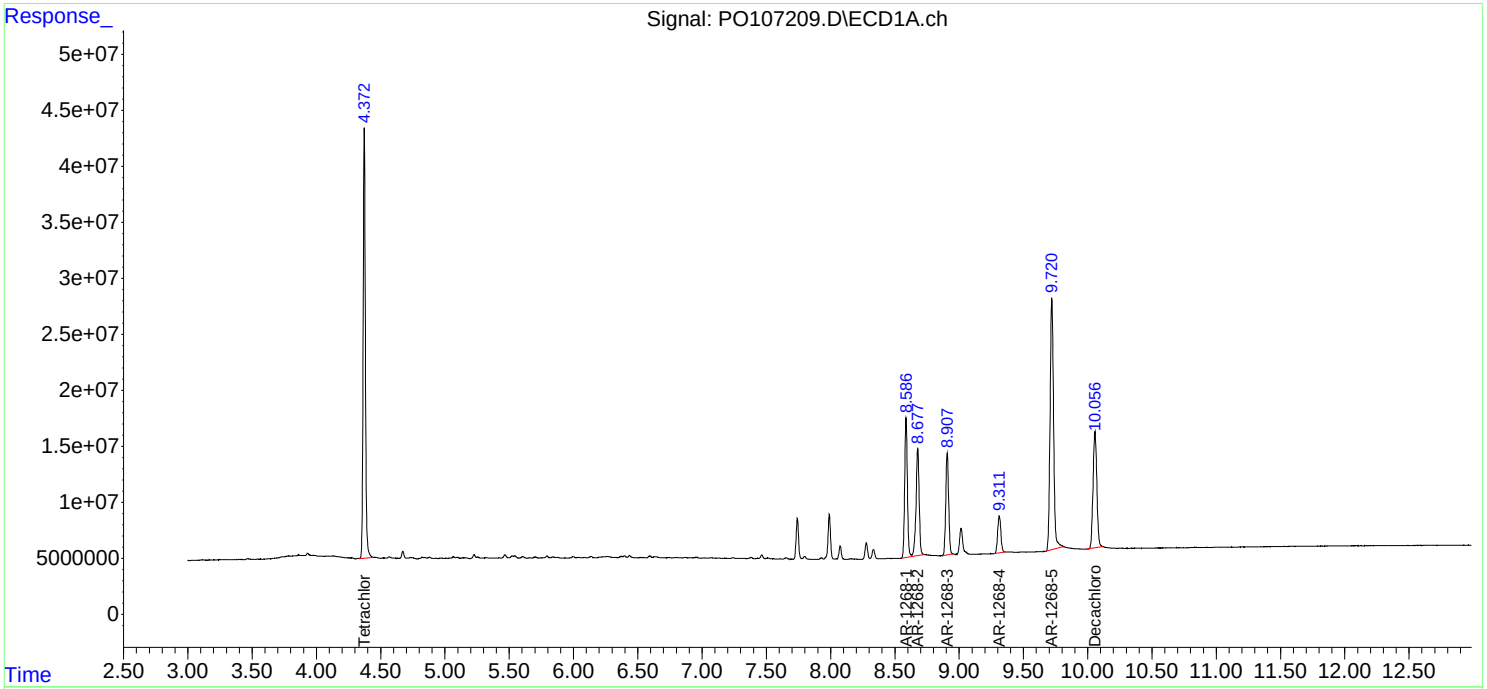
ICAL Form

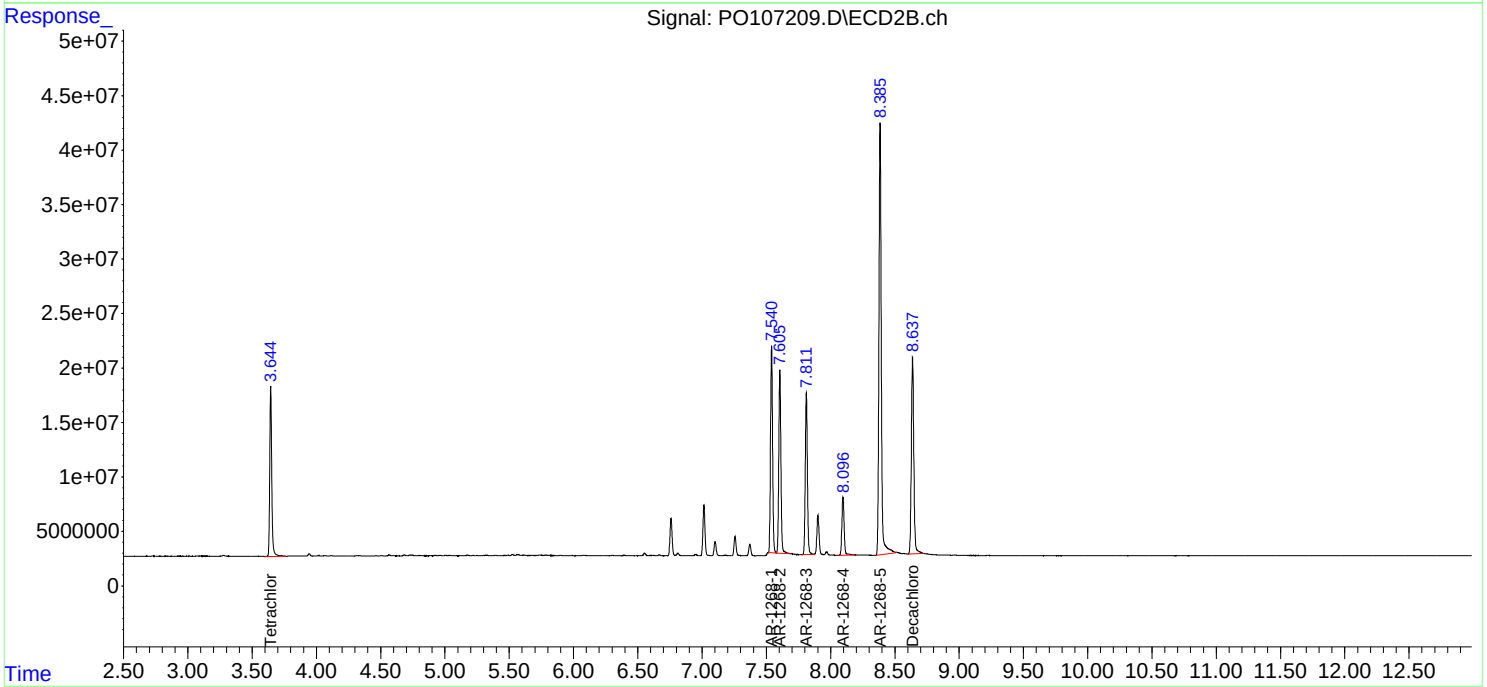
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107209.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 01:59
Operator : YP/AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

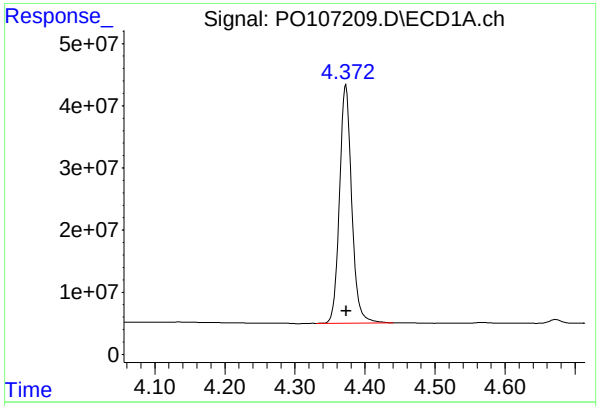
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 02:40:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



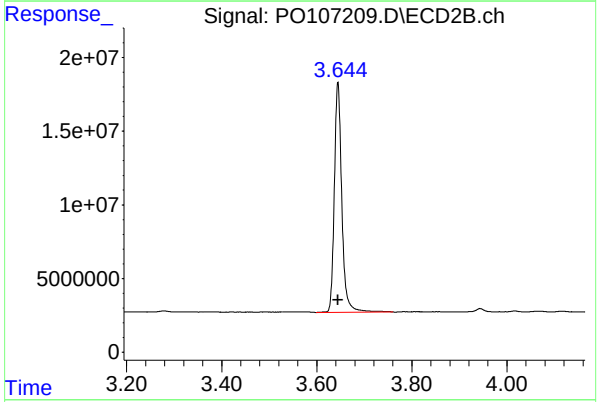






#1 Tetrachloro-m-xylene

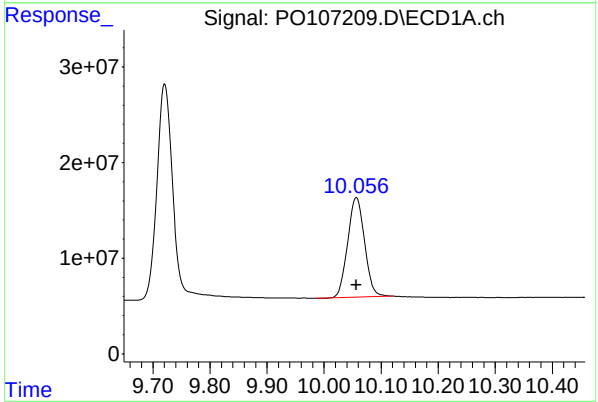
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 465580331
Conc: 50.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



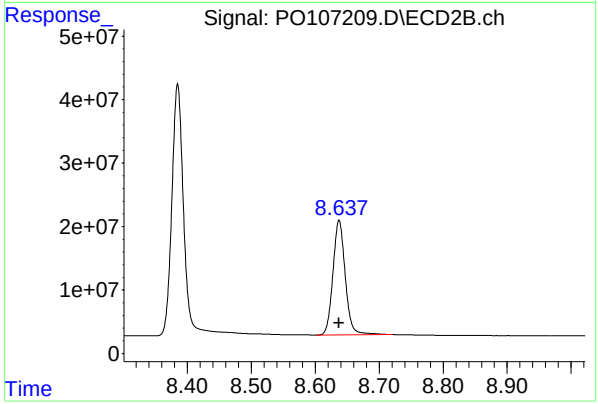

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 170805240
Conc: 50.00 ng/ml



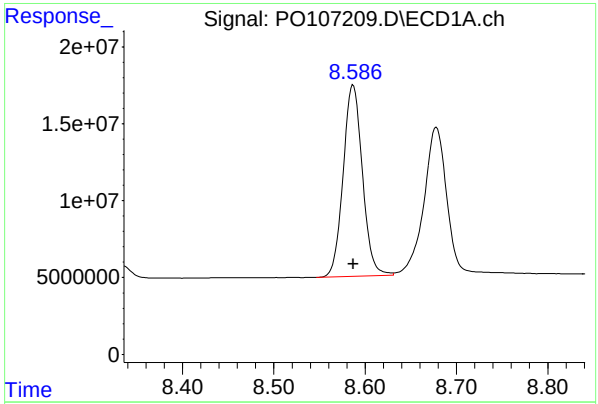

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 212097908
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

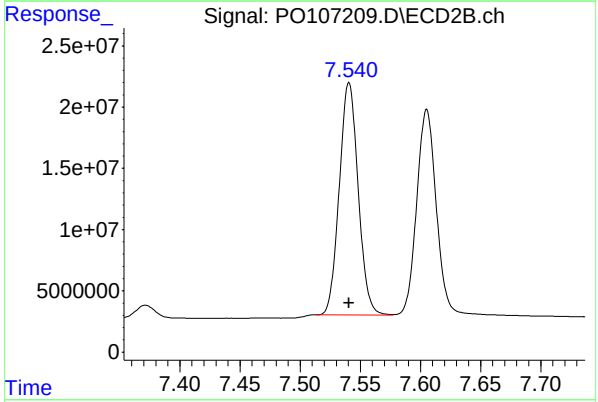
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 241175589
Conc: 50.00 ng/ml




#41 AR-1268-1

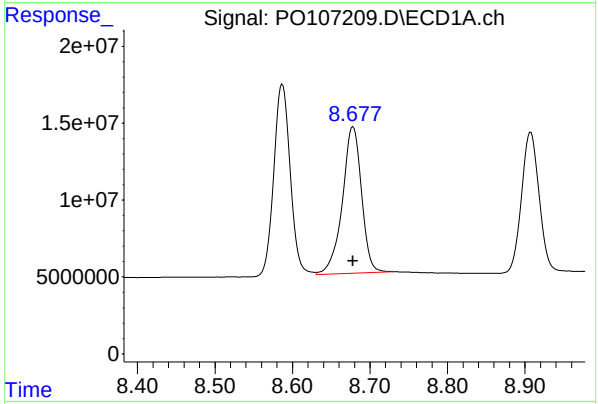
R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 182311422
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



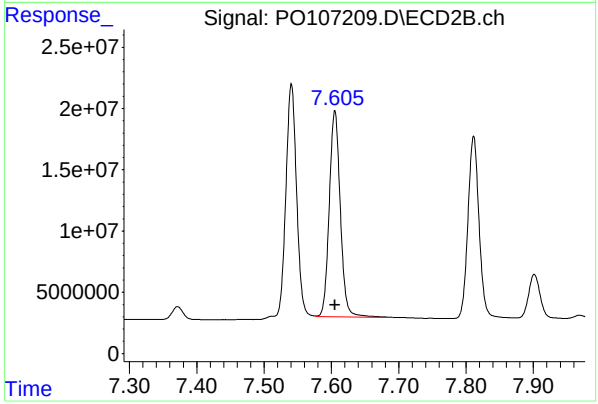

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 206931792
Conc: 500.00 ng/ml



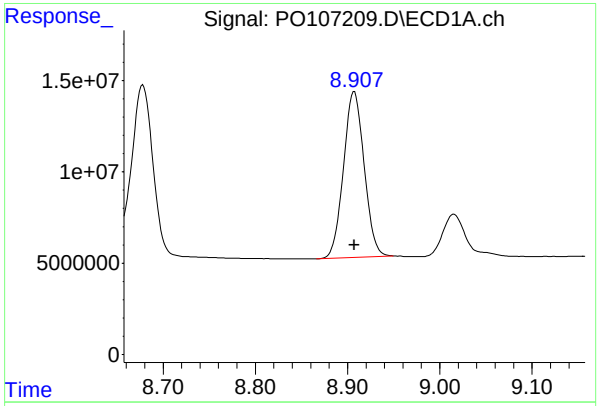

#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162431403
Conc: 500.00 ng/ml




#42 AR-1268-2

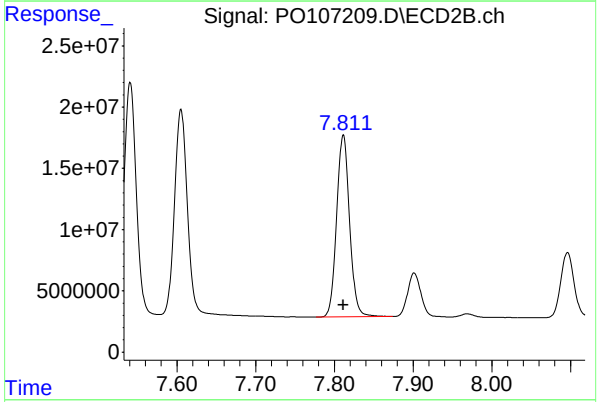
R.T.: 7.605 min
Delta R.T.: 0.000 min
Response: 191759104
Conc: 500.00 ng/ml




#43 AR-1268-3

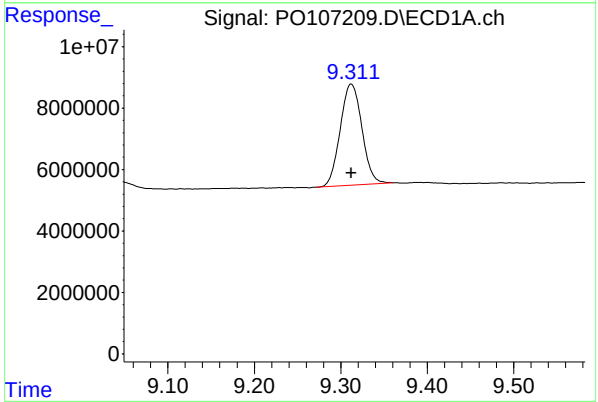
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141310018
Conc: 500.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500



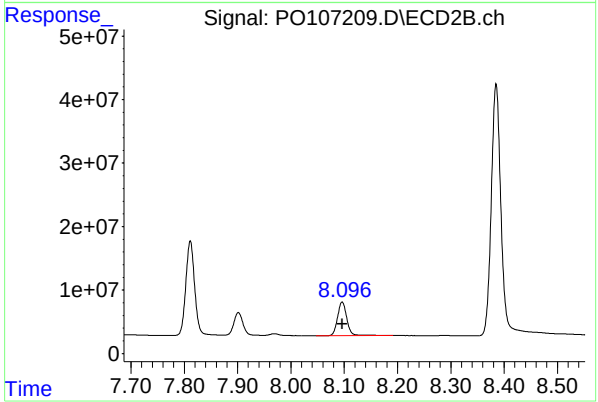

#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 169767878
Conc: 500.00 ng/ml



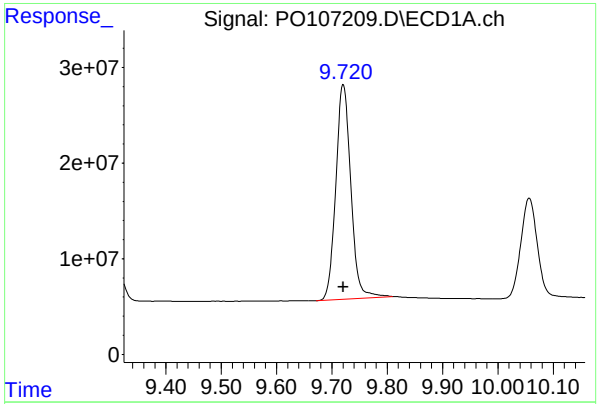

#44 AR-1268-4

R.T.: 9.312 min
Delta R.T.: 0.000 min
Response: 57357297
Conc: 500.00 ng/ml




#44 AR-1268-4

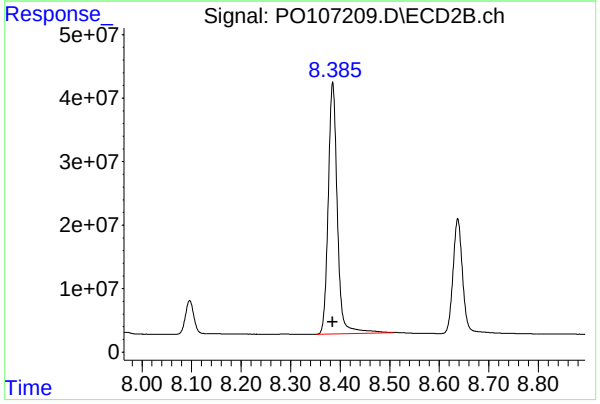
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 63642681
Conc: 500.00 ng/ml




#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 mi
Response: 423531657
Conc: 500.00 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC500




#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 508540065
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
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: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 237.4E6 | 83283643 | 25.493 | 24.380 |
| 2) | SA Decachlor... | 10.058 | 8.638 | 110.0E6 | 122.3E6 | 25.930 | 25.345 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.588 | 7.541 | 95440132 | 102.7E6 | 261.750 | 248.179 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 84909424 | 94674968 | 261.370 | 246.859 |
| 43) | L9 AR-1268-3 | 8.908 | 7.812 | 73384675 | 84688940 | 259.658 | 249.426 |
| 44) | L9 AR-1268-4 | 9.314 | 8.097 | 29107021 | 32315199 | 253.734 | 253.880 |
| 45) | L9 AR-1268-5 | 9.721 | 8.386 | 216.1E6 | 249.1E6 | 255.104 | 244.896 |

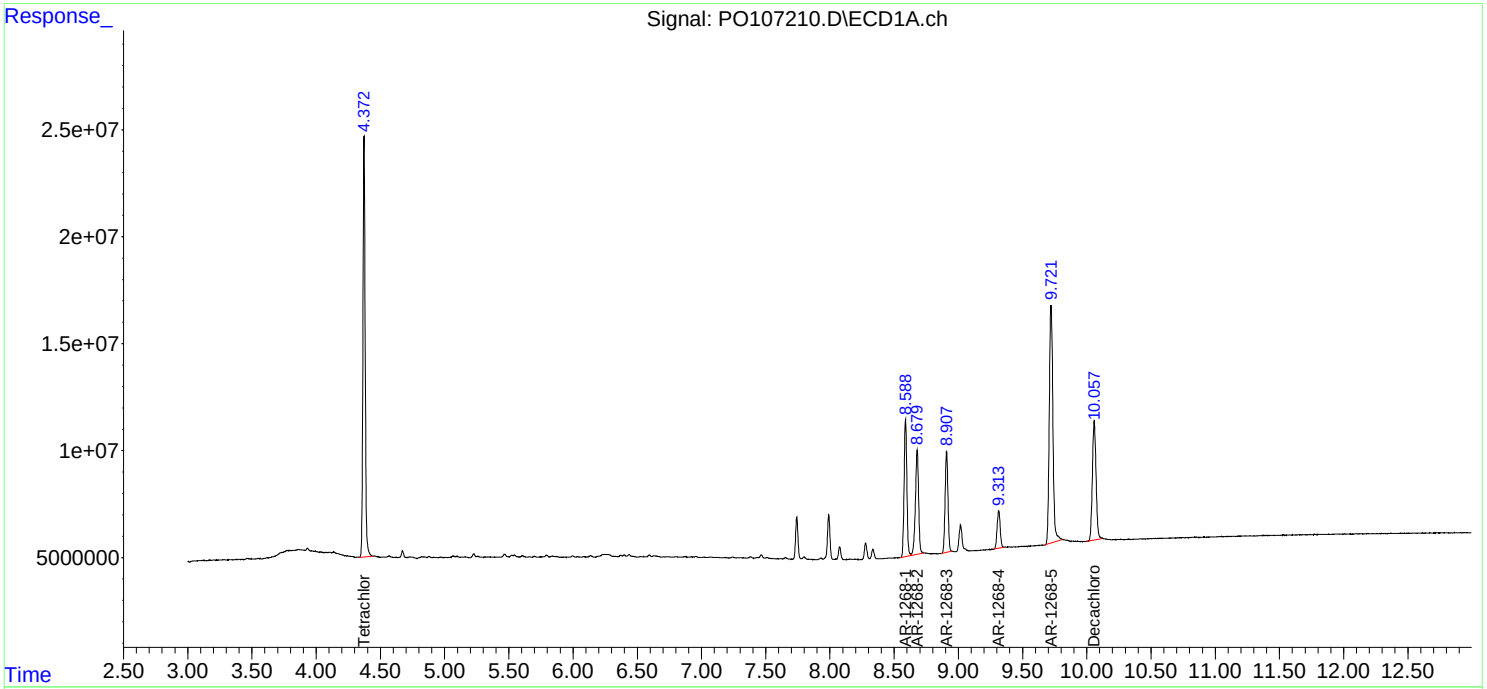
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

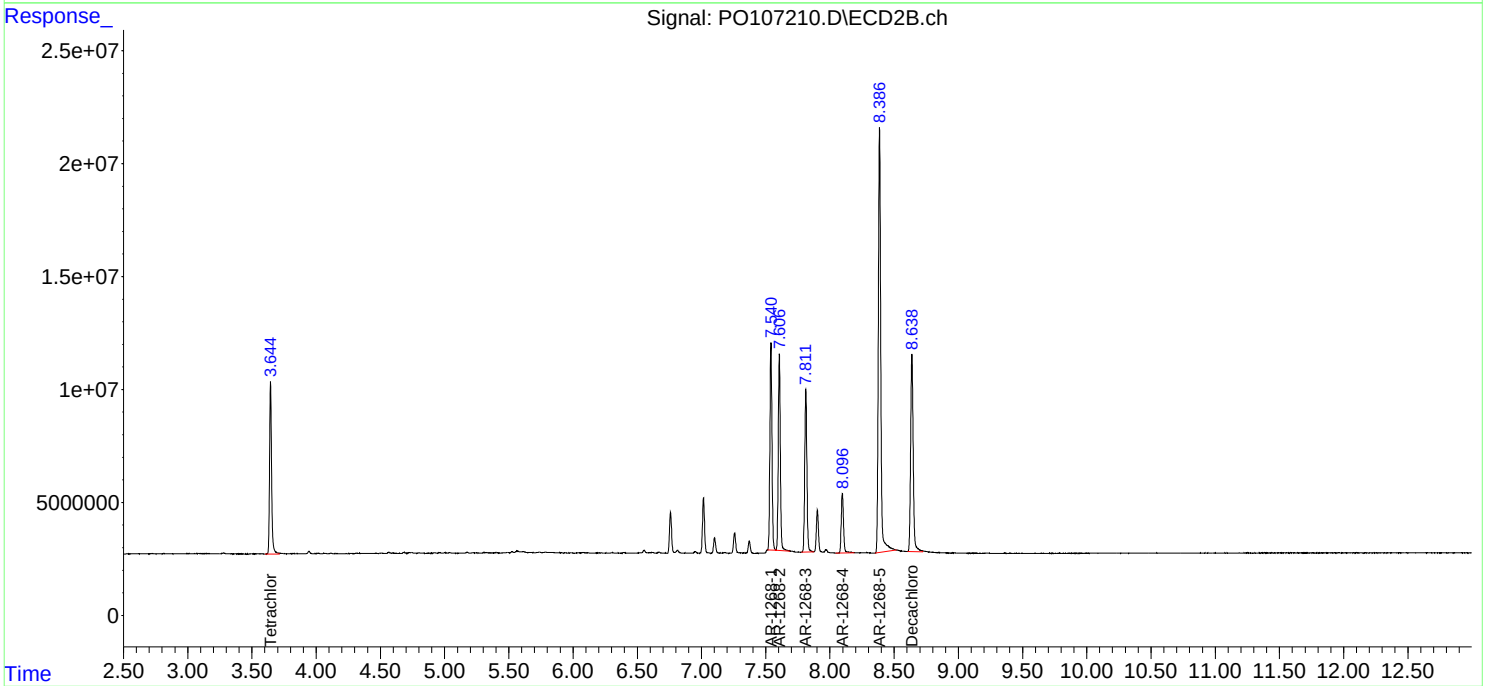
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:18
Operator : YP/AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

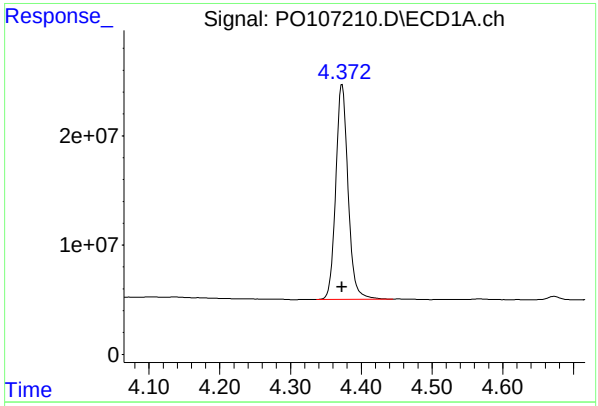
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:21:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



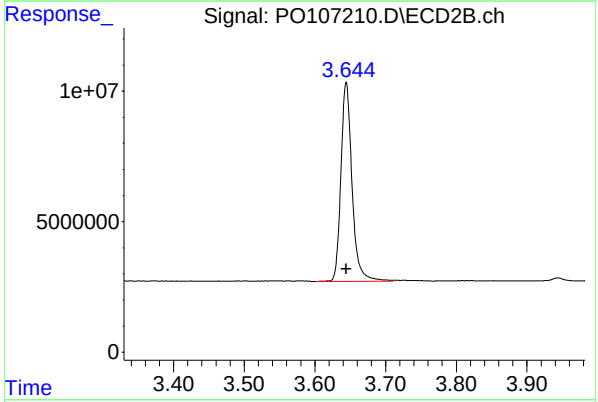






#1 Tetrachloro-m-xylene

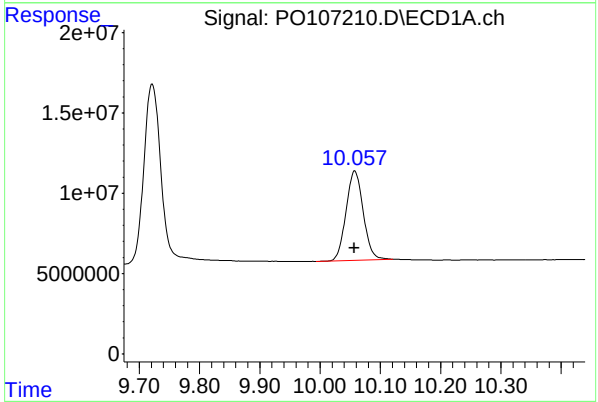
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 237379747
Conc: 25.49 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



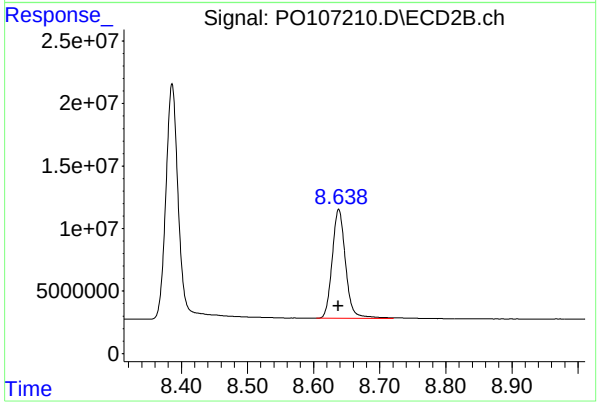

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 83283643
Conc: 24.38 ng/ml



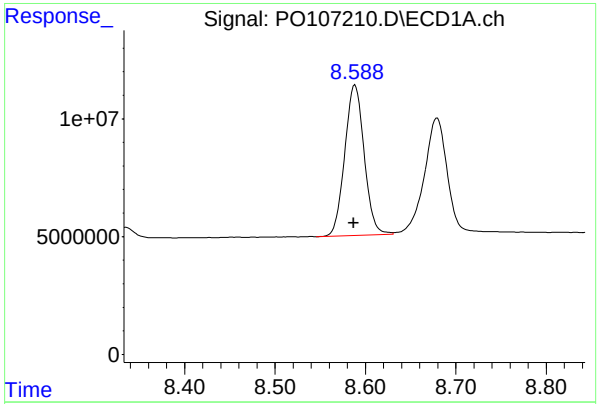

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.000 min
Response: 109995659
Conc: 25.93 ng/ml




#2 Decachlorobiphenyl

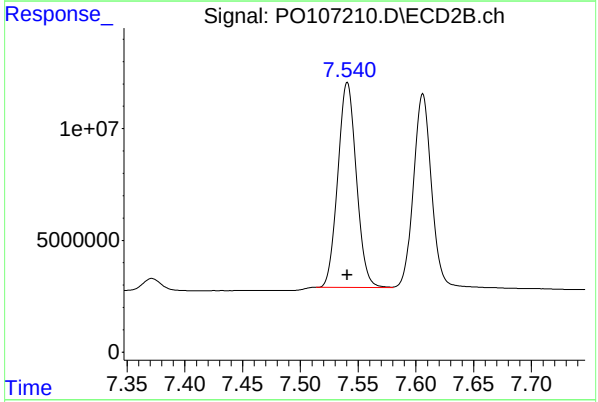
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 122251099
Conc: 25.34 ng/ml




#41 AR-1268-1

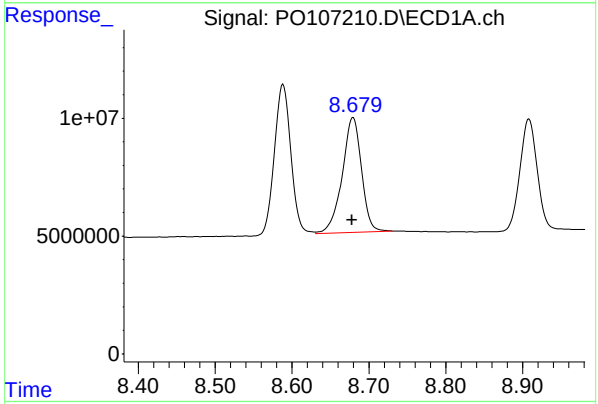
R.T.: 8.588 min
Delta R.T.: 0.002 min
Response: 95440132
Conc: 261.75 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



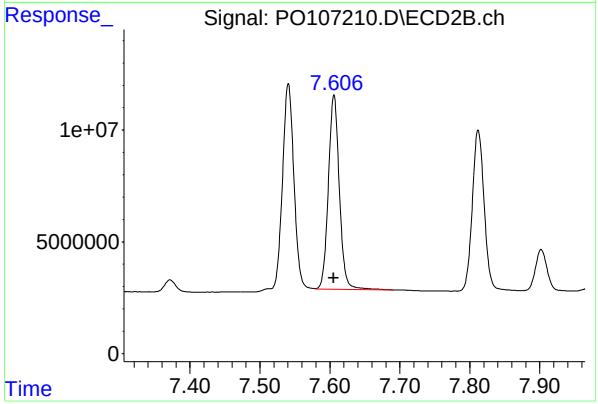

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 102712368
Conc: 248.18 ng/ml



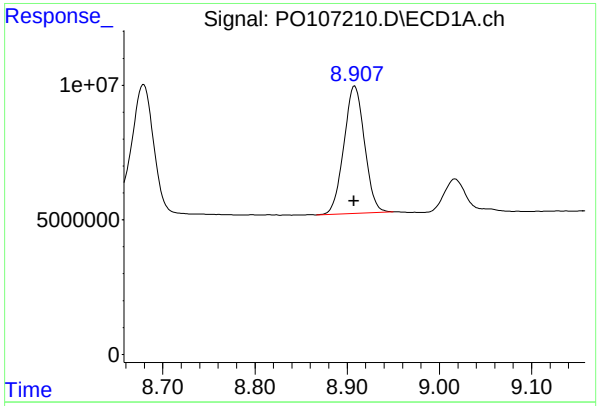

#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 84909424
Conc: 261.37 ng/ml




#42 AR-1268-2

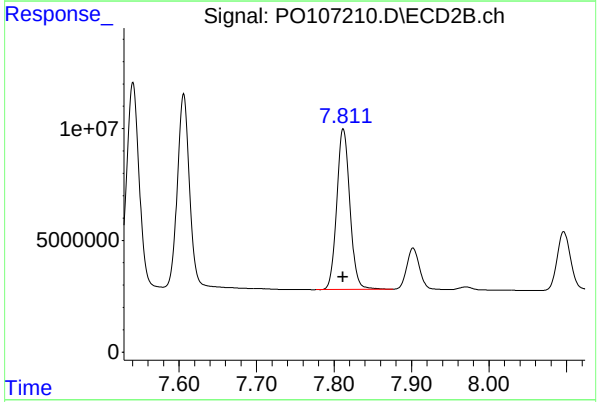
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 94674968
Conc: 246.86 ng/ml




#43 AR-1268-3

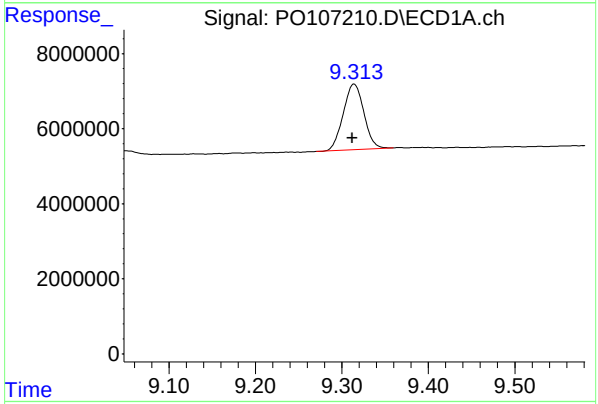
R.T.: 8.908 min
Delta R.T.: 0.000 min
Response: 73384675
Conc: 259.66 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250



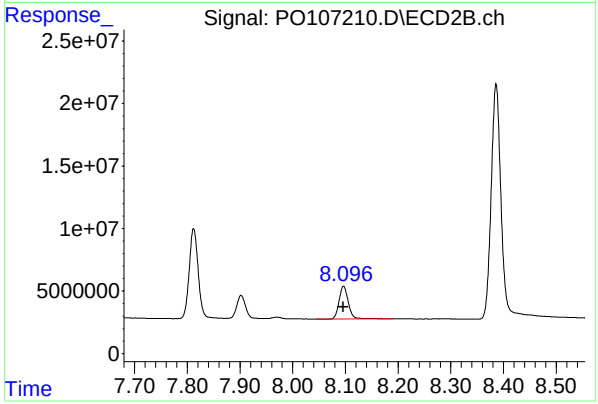

#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 84688940
Conc: 249.43 ng/ml



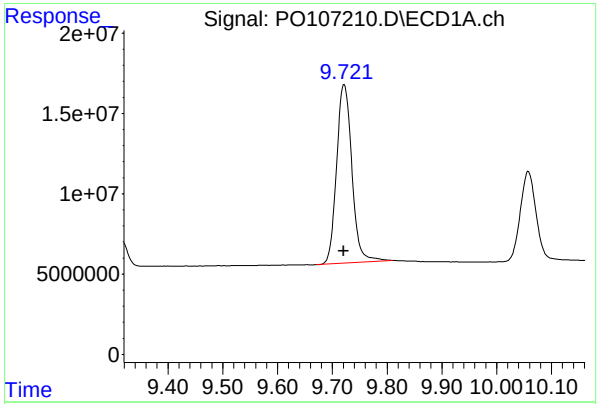

#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 29107021
Conc: 253.73 ng/ml




#44 AR-1268-4

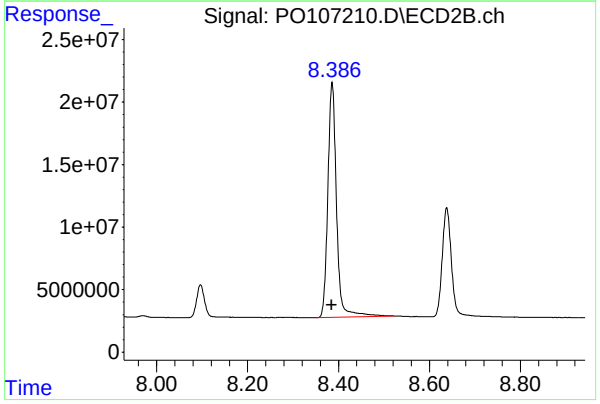
R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 32315199
Conc: 253.88 ng/ml




#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 216089361
Conc: 255.10 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC250




#45 AR-1268-5

R.T.: 8.386 min
Delta R.T.: 0.000 min
Response: 249078869
Conc: 244.90 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.645 | 44759505 | 14819032 | 4.807 | 4.338 |
| 2) | SA Decachlor... | 10.056 | 8.638 | 20020423 | 22152727 | 4.720 | 4.593 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.587 | 7.541 | 18469024 | 18447765 | 50.652m | 44.575 |
| 42) | L9 AR-1268-2 | 8.679 | 7.606 | 16014978 | 16717280 | 49.298 | 43.589 |
| 43) | L9 AR-1268-3 | 8.908 | 7.811 | 13783097 | 15350219 | 48.769 | 45.209 |
| 44) | L9 AR-1268-4 | 9.314 | 8.097 | 5072917 | 5687474 | 44.222 | 44.683 |
| 45) | L9 AR-1268-5 | 9.723 | 8.385 | 39053378 | 42842014 | 46.104 | 42.123 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107211.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:36
Operator : YP/AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

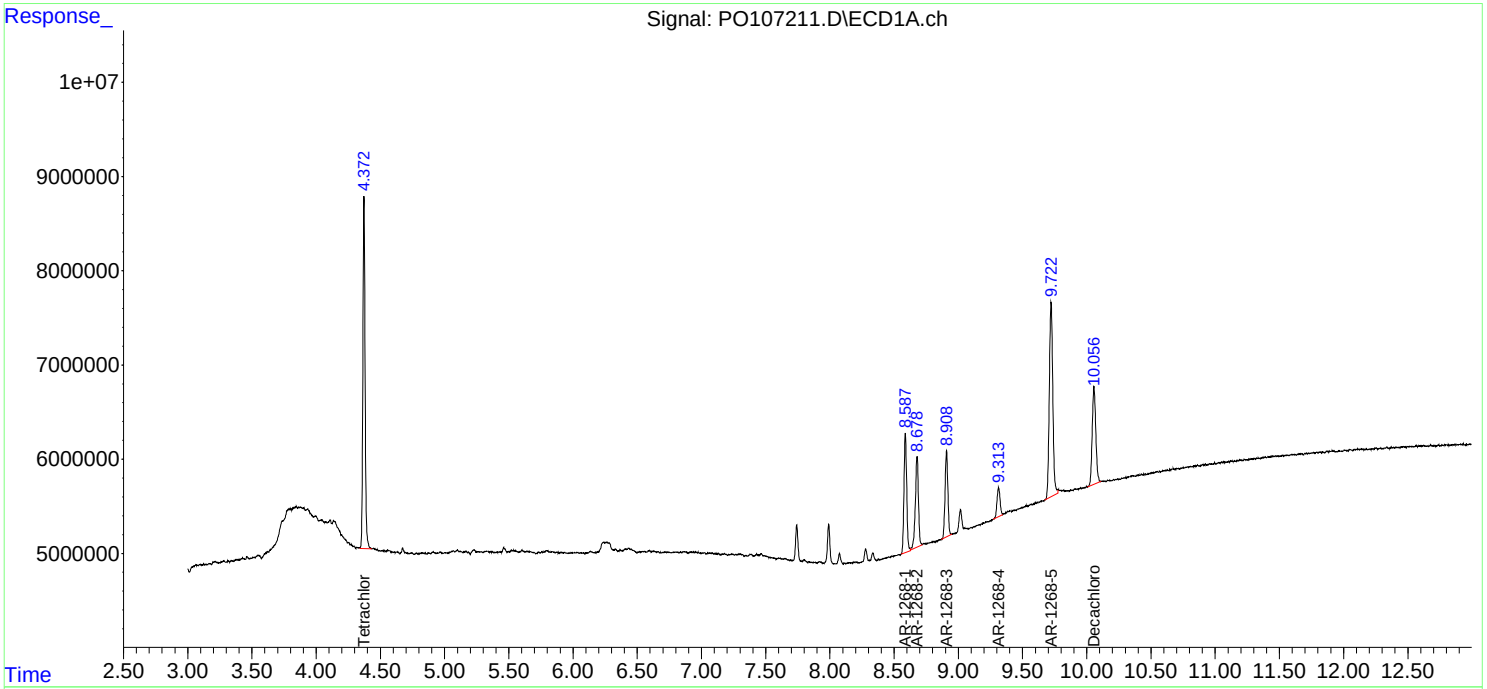
**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

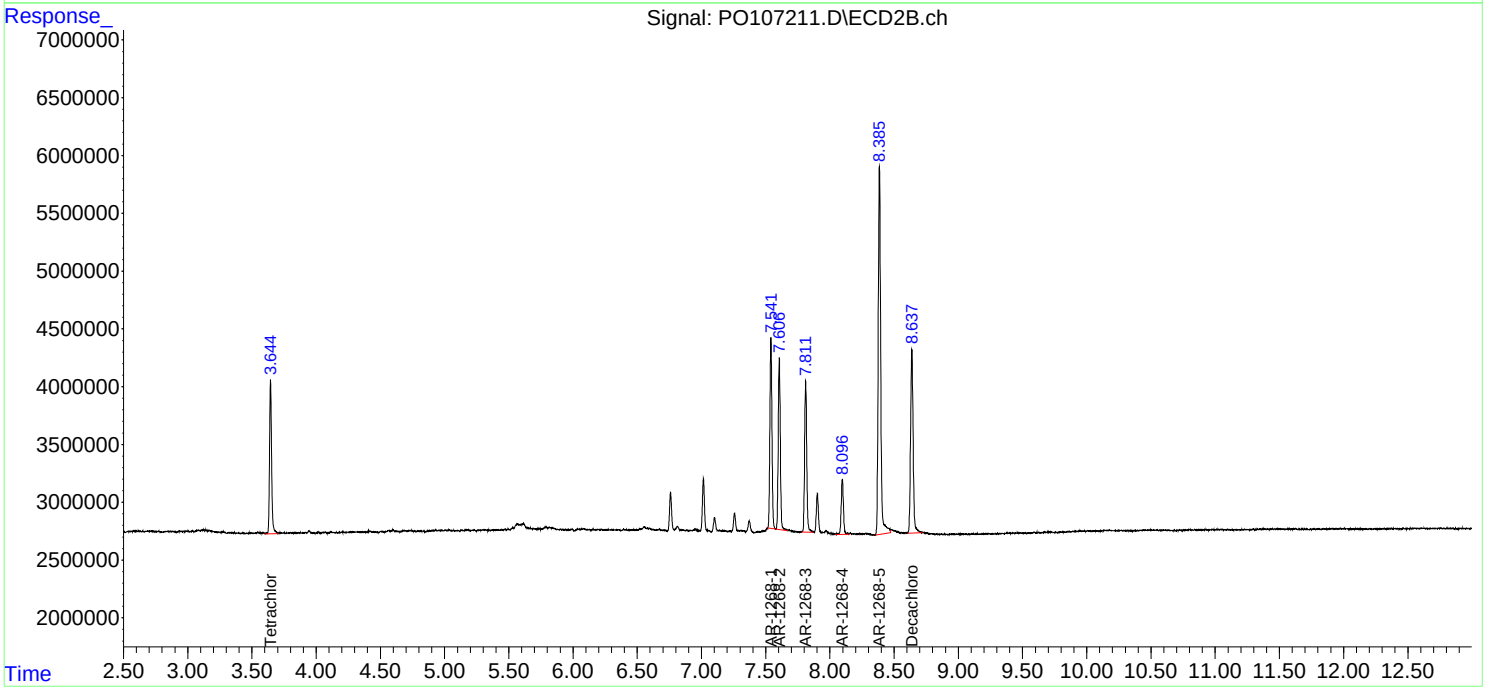
**Manual Integrations APPROVED**

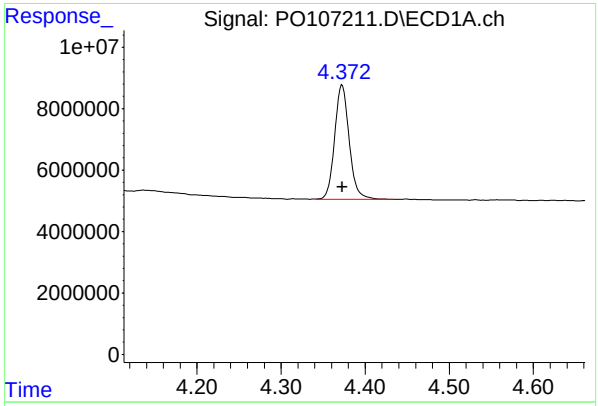
Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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





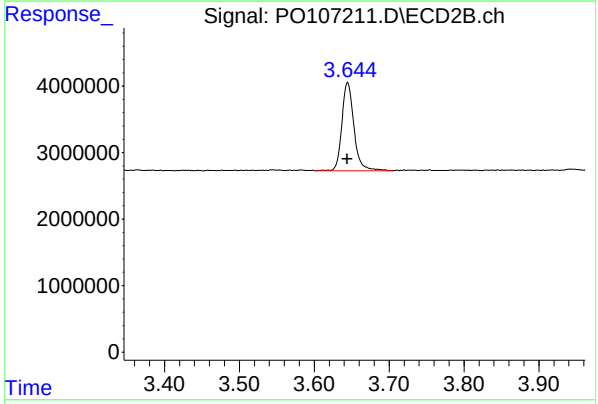

#1 Tetrachloro-m-xylene

R.T.: 4.373 min
Delta R.T.: 0.000 mi
Response: 44759505
Conc: 4.81 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

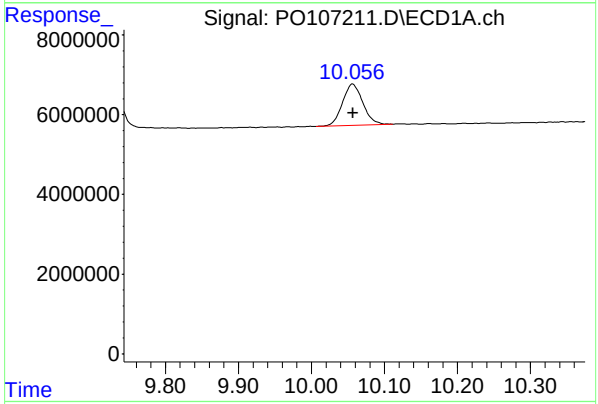
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



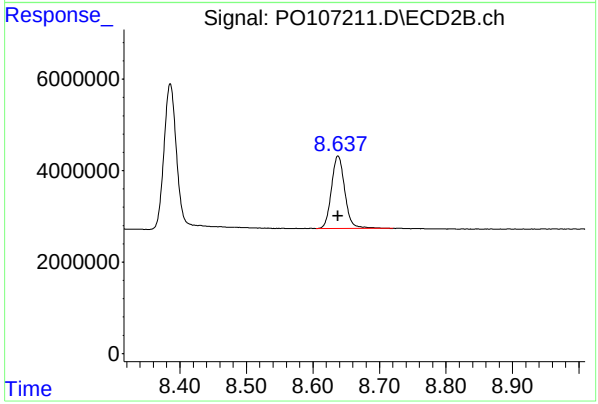

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 14819032
Conc: 4.34 ng/ml



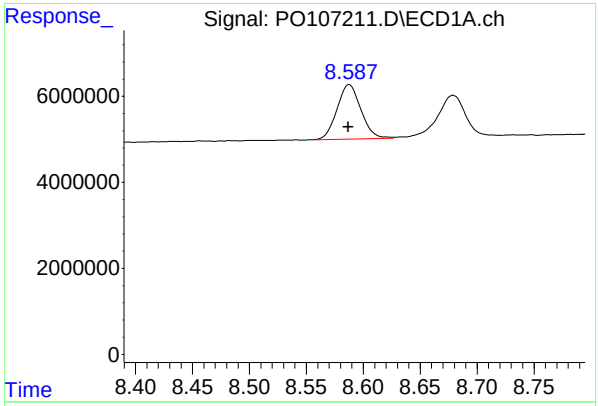

#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: 0.000 min
Response: 20020423
Conc: 4.72 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 22152727
Conc: 4.59 ng/ml



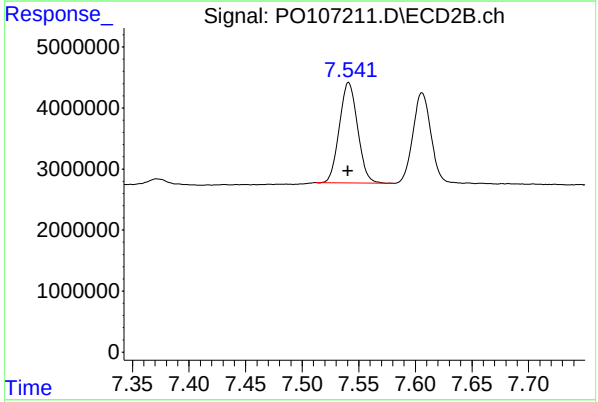

#41 AR-1268-1

R.T.: 8.587 min
Delta R.T.: 0.000 min
Response: 18469024
Conc: 50.65 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

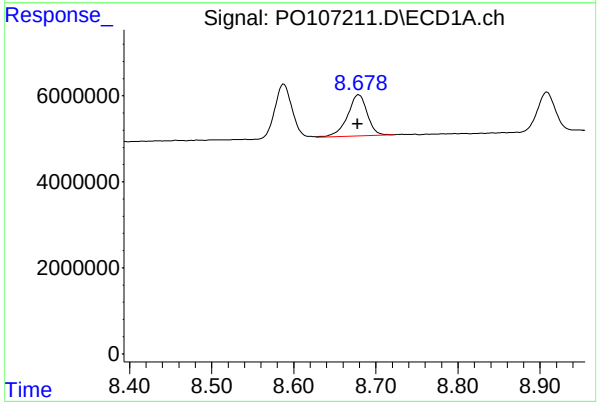
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



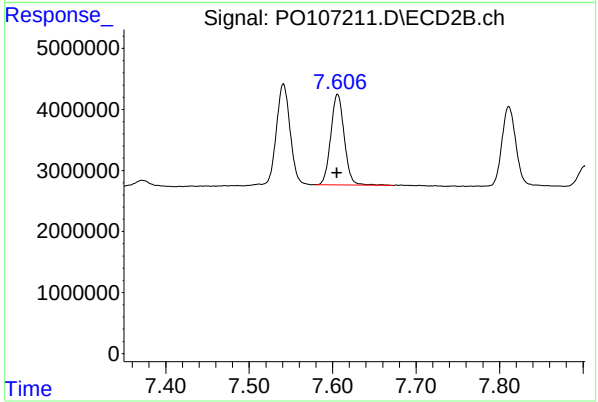

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 18447765
Conc: 44.57 ng/ml



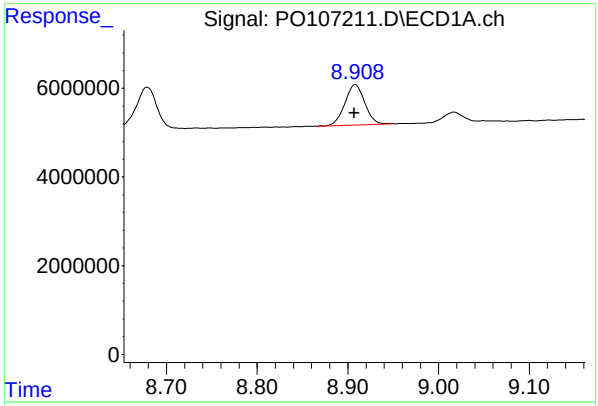

#42 AR-1268-2

R.T.: 8.679 min
Delta R.T.: 0.001 min
Response: 16014978
Conc: 49.30 ng/ml




#42 AR-1268-2

R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 16717280
Conc: 43.59 ng/ml



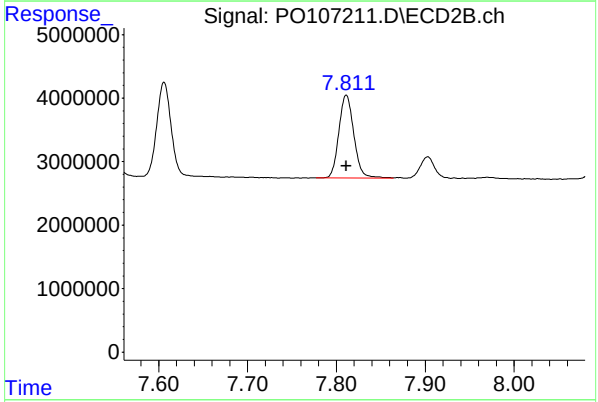

#43 AR-1268-3

R.T.: 8.908 min
Delta R.T.: 0.001 min
Response: 13783097
Conc: 48.77 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

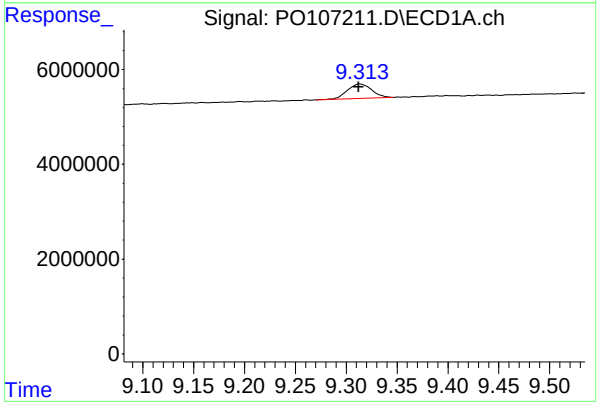
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024



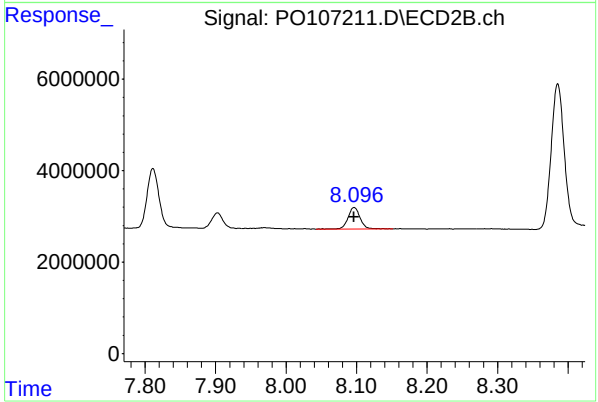

#43 AR-1268-3

R.T.: 7.811 min
Delta R.T.: 0.000 min
Response: 15350219
Conc: 45.21 ng/ml



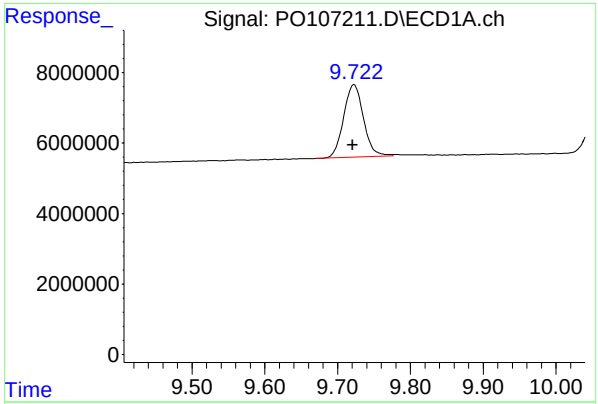

#44 AR-1268-4

R.T.: 9.314 min
Delta R.T.: 0.002 min
Response: 5072917
Conc: 44.22 ng/ml




#44 AR-1268-4

R.T.: 8.097 min
Delta R.T.: 0.000 min
Response: 5687474
Conc: 44.68 ng/ml



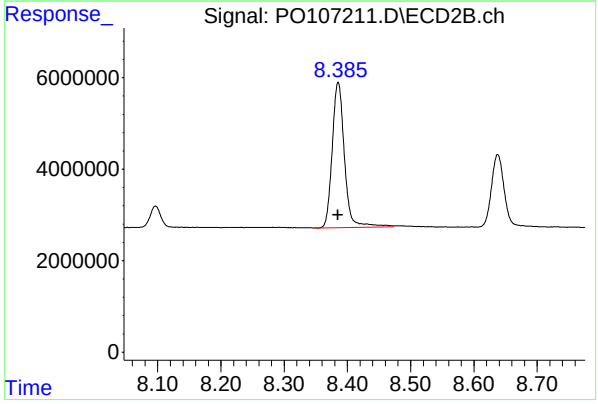

#45 AR-1268-5

R.T.: 9.723 min
Delta R.T.: 0.002 min
Response: 39053378
Conc: 46.10 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :Ankita Jodhani 10/16/2024




#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 42842014
Conc: 42.12 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.372 | 3.644 | 465.3E6 | 164.4E6 | 51.058 | 51.086 |
| 2) SA | Decachlor... | 10.056 | 8.638 | 123.9E6 | 136.1E6 | 50.497 | 49.626 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.521 | 4.726 | 134.9E6 | 51843655 | 500.111 | 502.042 |
| 4) L1 | AR-1016-2 | 5.543 | 4.745 | 197.8E6 | 72270469 | 498.259 | 512.674 |
| 5) L1 | AR-1016-3 | 5.606 | 4.920 | 128.2E6 | 39765886 | 510.233 | 504.992 |
| 6) L1 | AR-1016-4 | 5.702 | 4.962 | 100.3E6 | 33242228 | 520.863 | 502.845 |
| 7) L1 | AR-1016-5 | 5.997 | 5.175 | 96027789 | 42039253 | 525.737 | 511.838 |
| 31) L7 | AR-1260-1 | 7.123 | 6.207 | 127.8E6 | 78048903 | 494.246 | 503.040 |
| 32) L7 | AR-1260-2 | 7.380 | 6.394 | 129.5E6 | 92023271 | 492.099 | 522.516 |
| 33) L7 | AR-1260-3 | 7.741 | 6.547 | 88394667 | 86099269 | 491.778 | 513.265 |
| 34) L7 | AR-1260-4 | 7.966 | 7.018 | 84877632 | 73152631 | 483.623 | 505.614 |
| 35) L7 | AR-1260-5 | 8.279 | 7.258 | 138.1E6 | 168.0E6 | 485.508 | 510.033 |

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

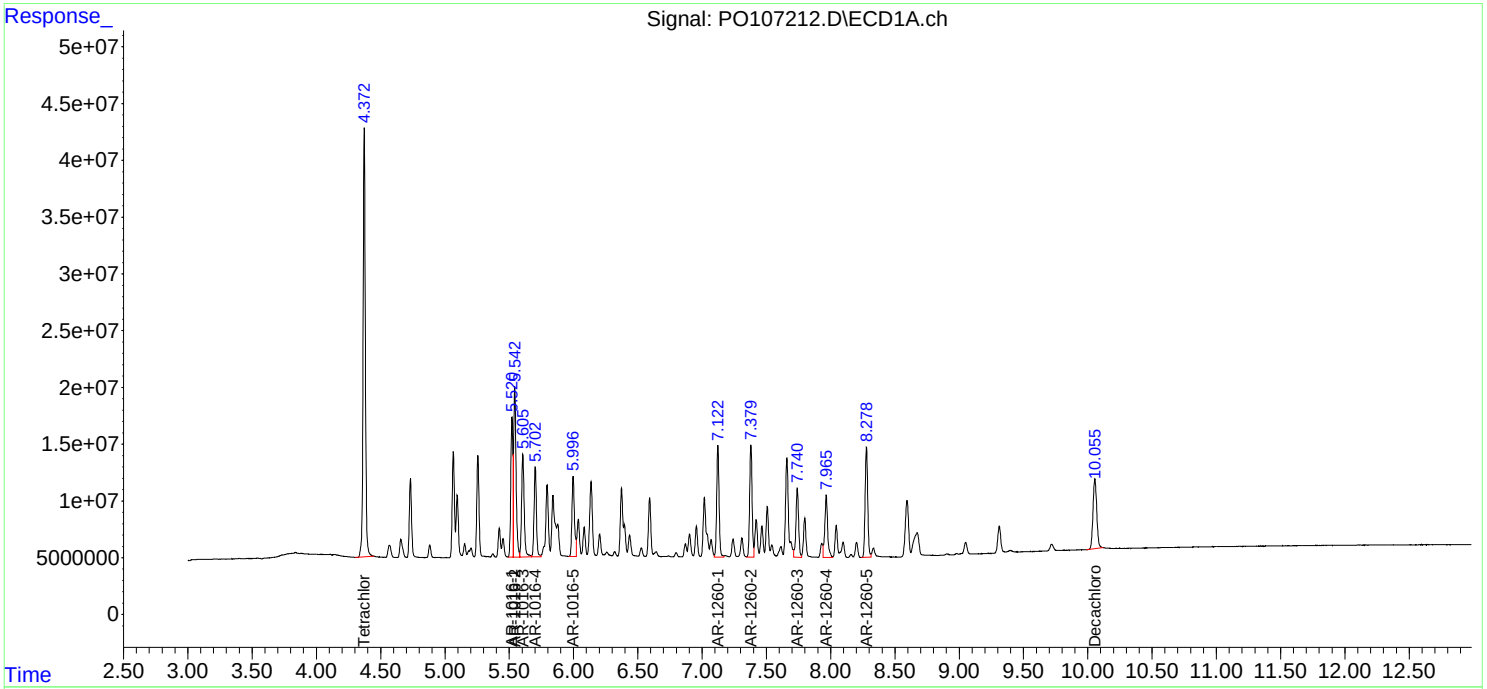
ICAL Form

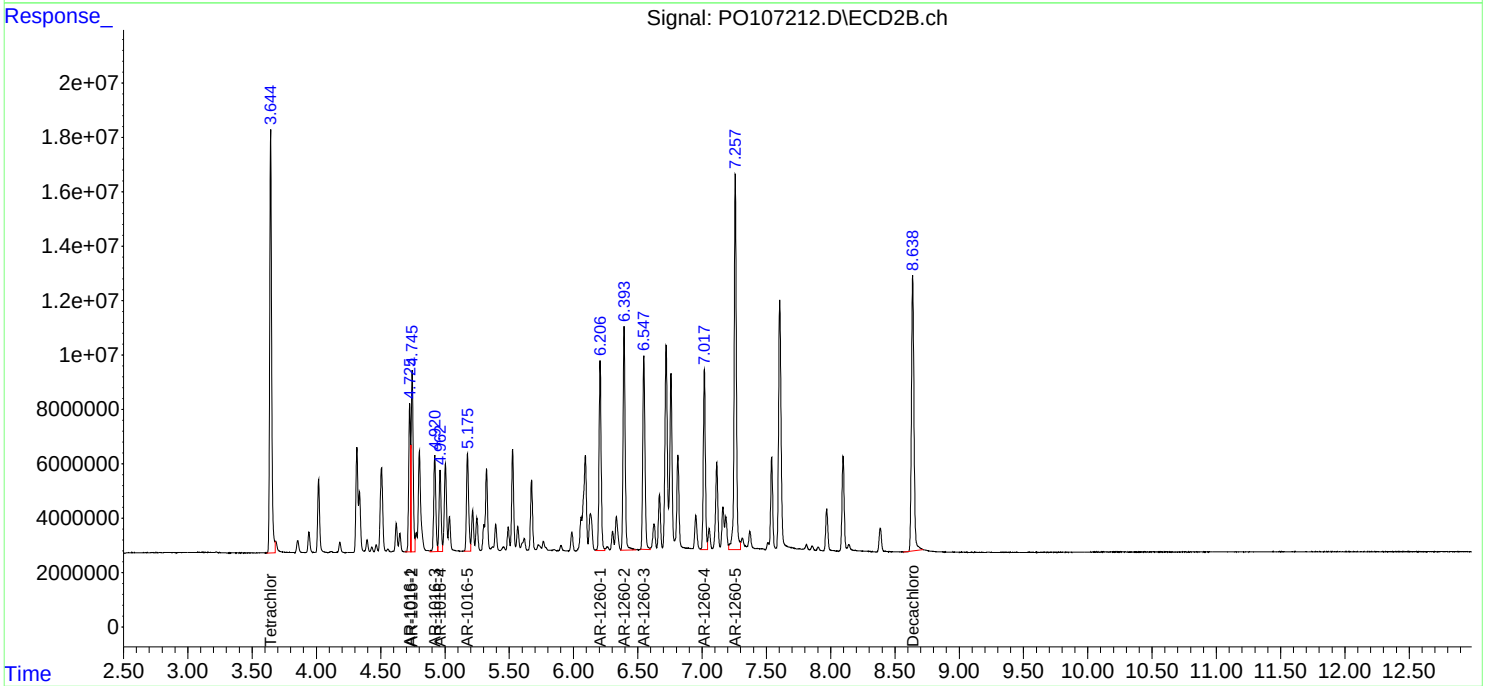
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 02:54
Operator : YP/AJ
Sample : PO101524ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

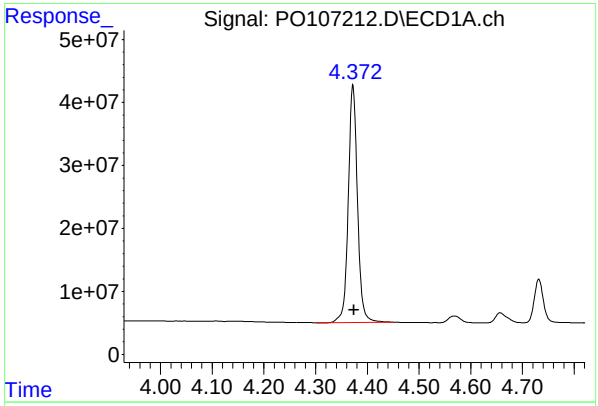
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:33:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:32:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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



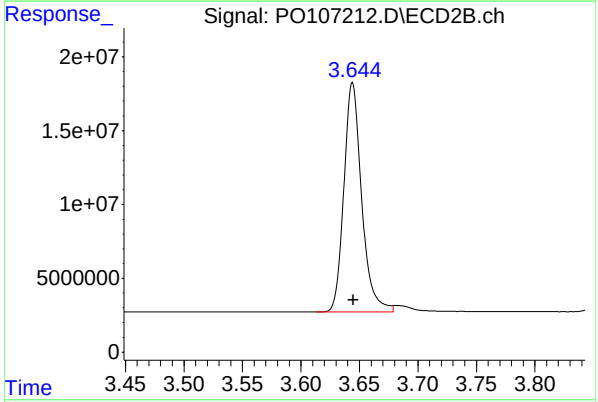






#1 Tetrachloro-m-xylene

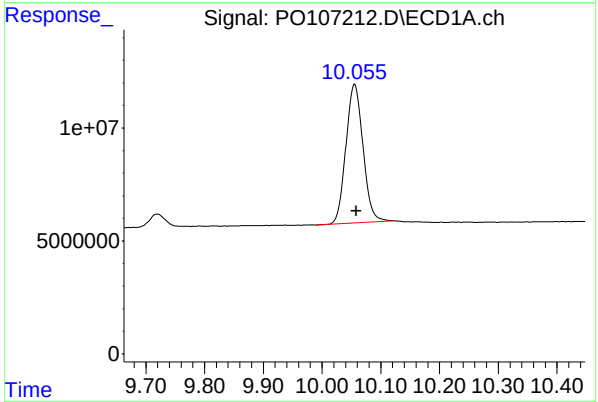
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 465340275
Conc: 51.06 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



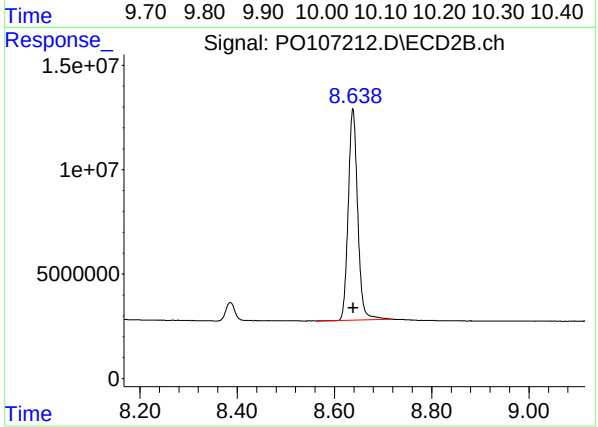

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 164419985
Conc: 51.09 ng/ml



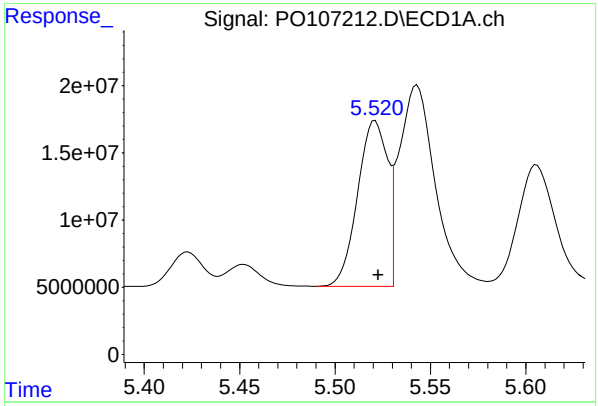

#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 123888908
Conc: 50.50 ng/ml




#2 Decachlorobiphenyl

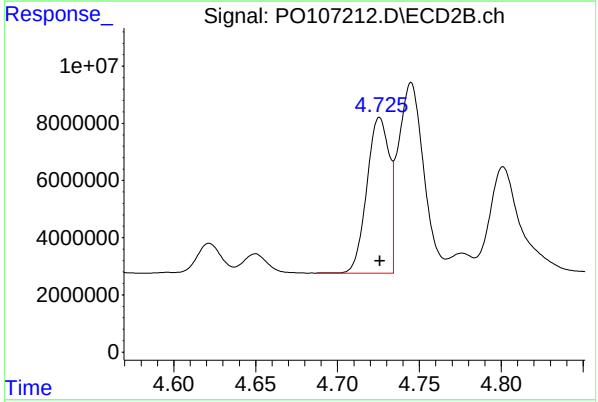
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 136053579
Conc: 49.63 ng/ml




#3 AR-1016-1

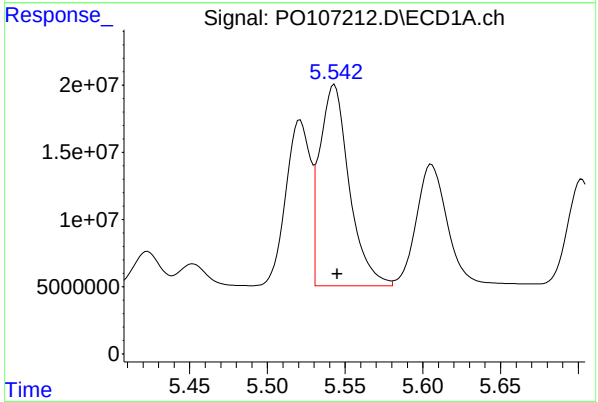
R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 134937005
Conc: 500.11 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



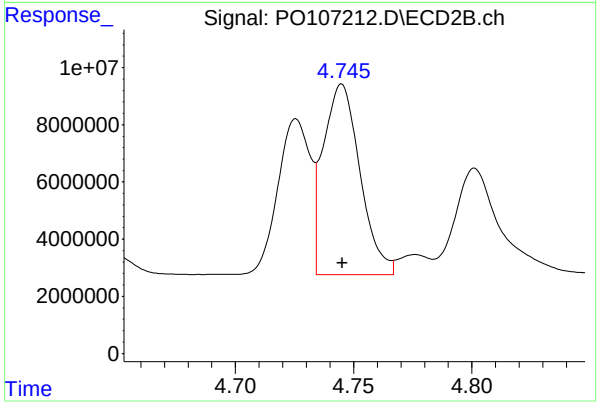

#3 AR-1016-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 51843655
Conc: 502.04 ng/ml



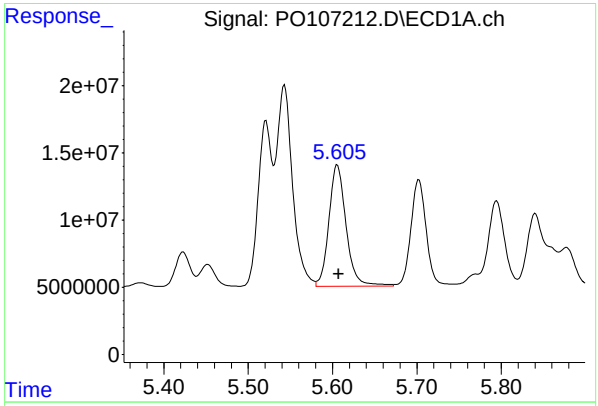

#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.002 min
Response: 197751607
Conc: 498.26 ng/ml




#4 AR-1016-2

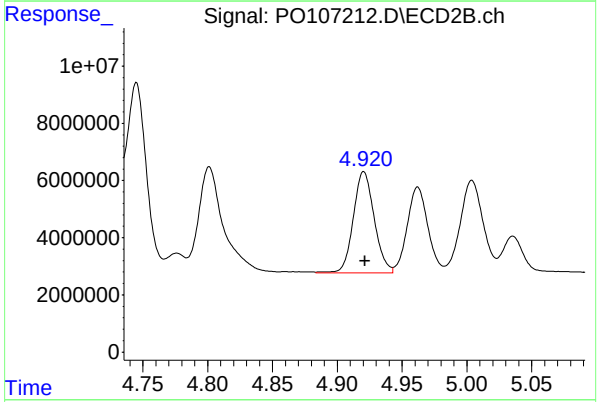
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 72270469
Conc: 512.67 ng/ml




#5 AR-1016-3

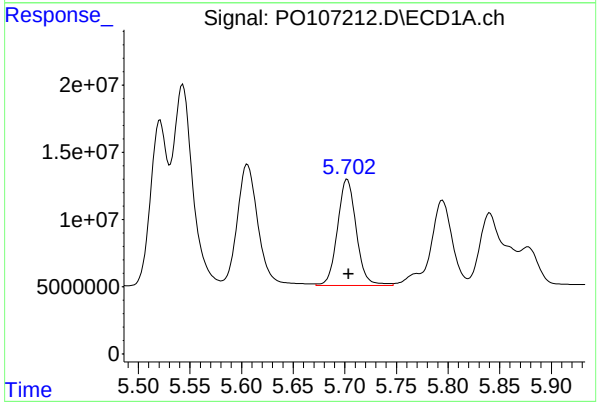
R.T.: 5.606 min
Delta R.T.: -0.002 mi
Response: 128154908
Conc: 510.23 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



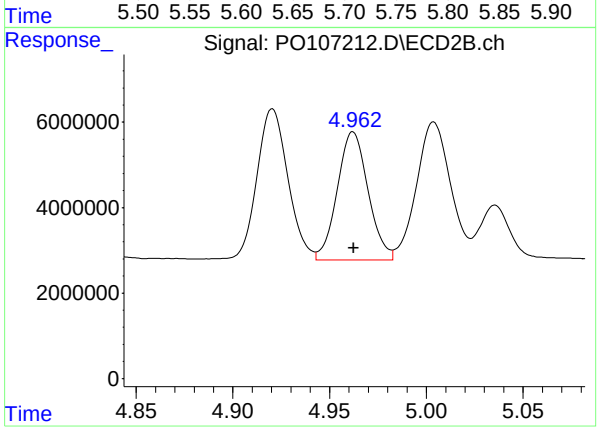

#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: 0.000 min
Response: 39765886
Conc: 504.99 ng/ml



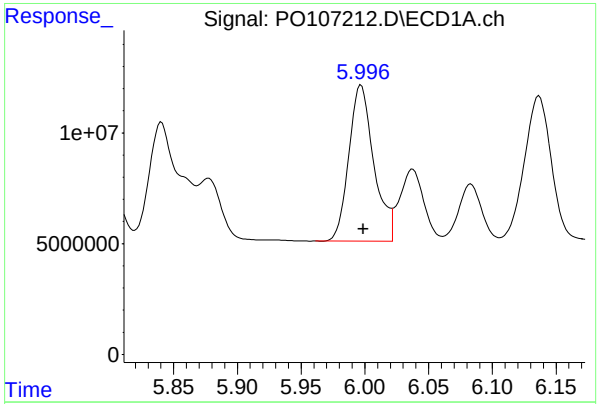

#6 AR-1016-4

R.T.: 5.702 min
Delta R.T.: -0.002 min
Response: 100324433
Conc: 520.86 ng/ml




#6 AR-1016-4

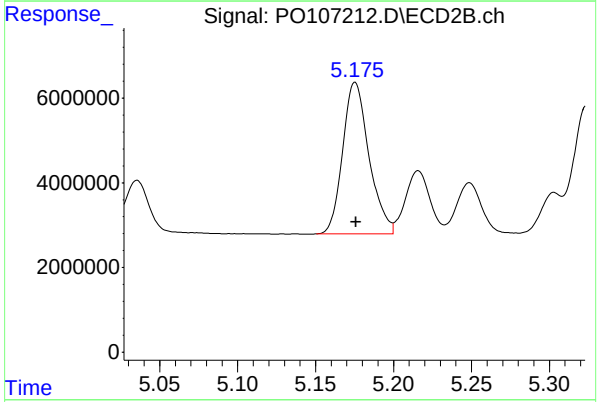
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 33242228
Conc: 502.84 ng/ml




#7 AR-1016-5

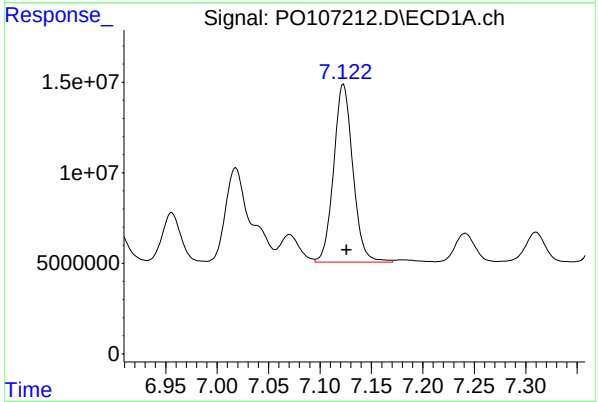
R.T.: 5.997 min
Delta R.T.: -0.002 min
Response: 96027789
Conc: 525.74 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



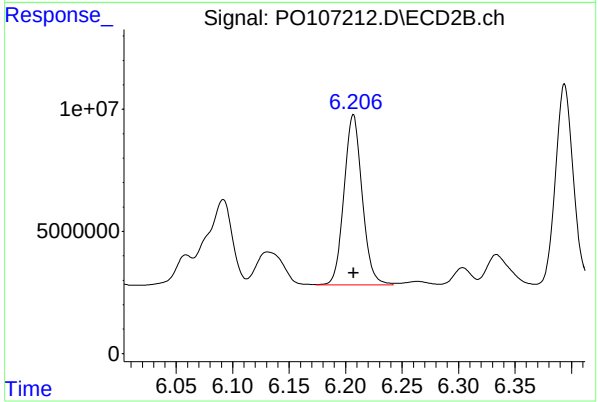

#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 42039253
Conc: 511.84 ng/ml



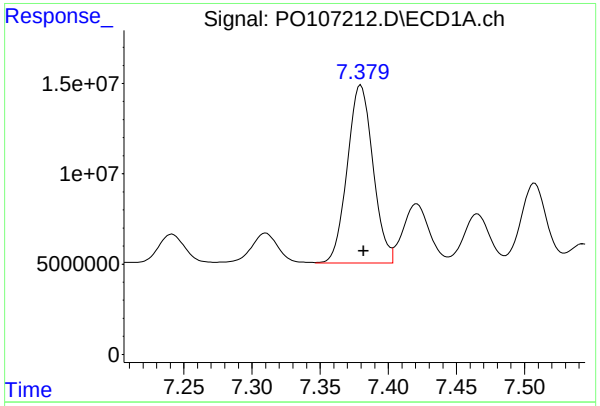

#31 AR-1260-1

R.T.: 7.123 min
Delta R.T.: -0.003 min
Response: 127806458
Conc: 494.25 ng/ml




#31 AR-1260-1

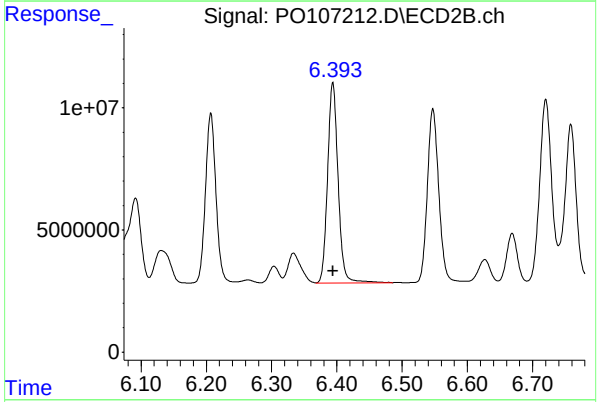
R.T.: 6.207 min
Delta R.T.: 0.000 min
Response: 78048903
Conc: 503.04 ng/ml




#32 AR-1260-2

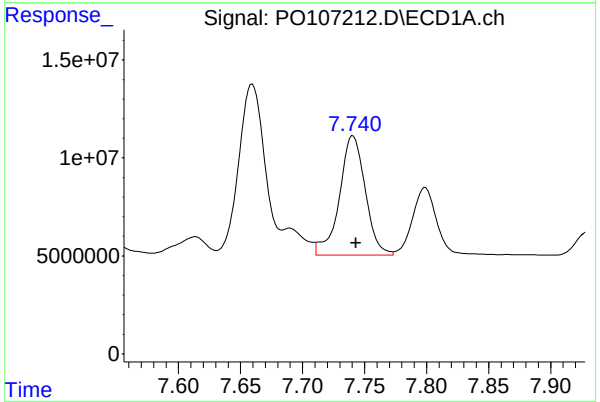
R.T.: 7.380 min
Delta R.T.: -0.002 min
Response: 129530294
Conc: 492.10 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



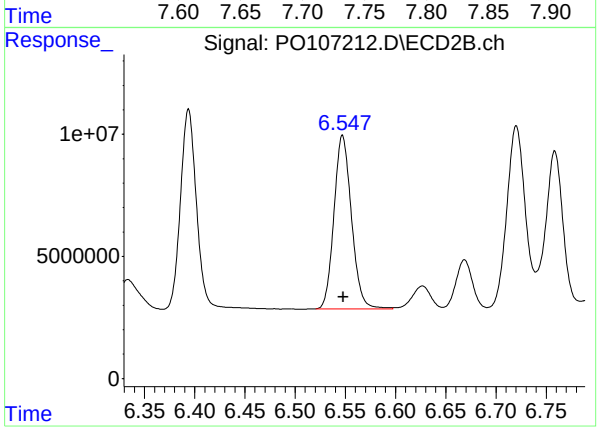

#32 AR-1260-2

R.T.: 6.394 min
Delta R.T.: 0.000 min
Response: 92023271
Conc: 522.52 ng/ml



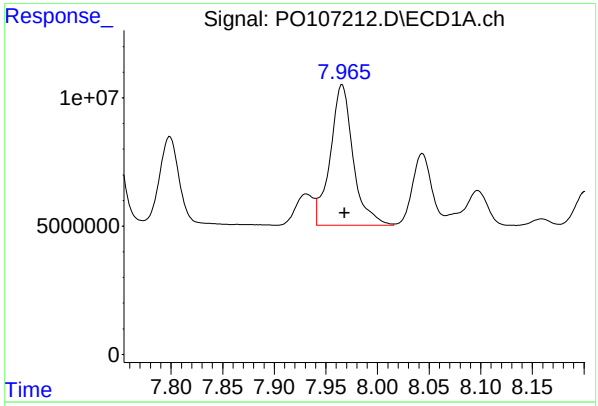

#33 AR-1260-3

R.T.: 7.741 min
Delta R.T.: -0.002 min
Response: 88394667
Conc: 491.78 ng/ml




#33 AR-1260-3

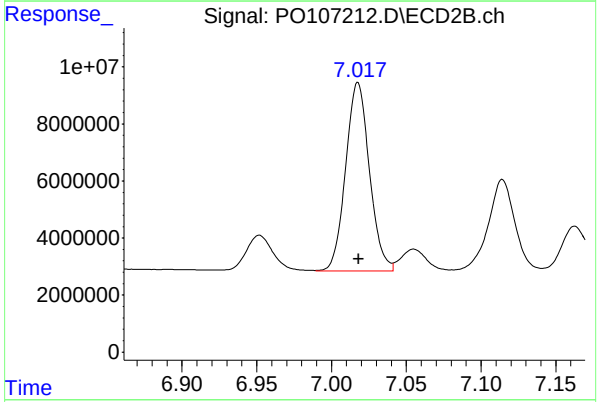
R.T.: 6.547 min
Delta R.T.: 0.000 min
Response: 86099269
Conc: 513.27 ng/ml




#34 AR-1260-4

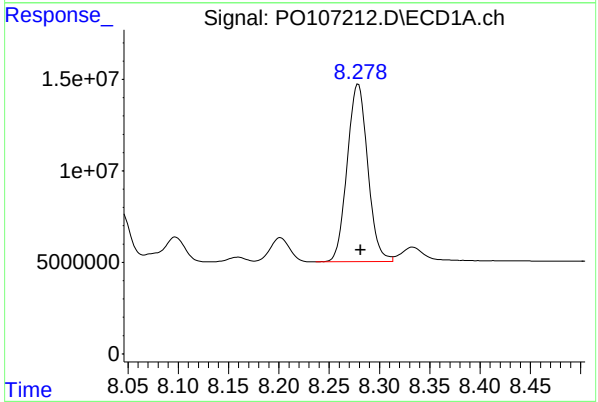
R.T.: 7.966 min
Delta R.T.: -0.002 min
Response: 84877632
Conc: 483.62 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524



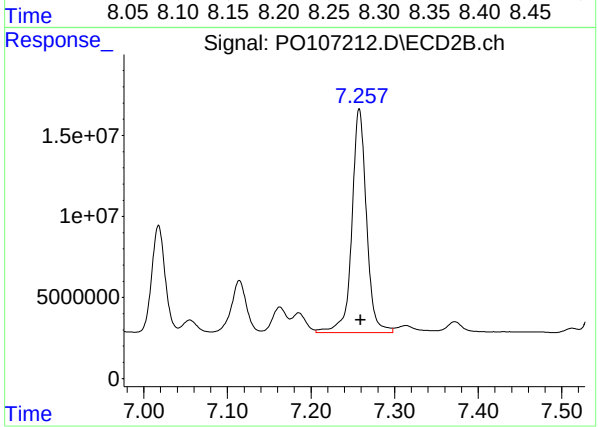

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 73152631
Conc: 505.61 ng/ml




#35 AR-1260-5

R.T.: 8.279 min
Delta R.T.: -0.002 min
Response: 138075337
Conc: 485.51 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 168025694
Conc: 510.03 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 462.5E6 | 169.0E6 | 51.003 | 52.312 |
| 2) | SA Decachlor... | 10.058 | 8.637 | 124.4E6 | 137.6E6 | 50.838 | 50.298 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.522 | 4.726 | 112.5E6 | 42391283 | 503.251 | 506.204 |
| 17) | L4 AR-1242-2 | 5.544 | 4.745 | 161.7E6 | 59212746 | 499.677 | 512.049 |
| 18) | L4 AR-1242-3 | 5.606 | 4.921 | 104.8E6 | 32647360 | 501.419 | 514.673 |
| 19) | L4 AR-1242-4 | 5.703 | 5.004 | 80827975 | 32698937 | 505.157 | 510.527 |
| 20) | L4 AR-1242-5 | 6.436 | 5.526 | 77500840 | 39282831 | 495.270 | 506.721 |

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

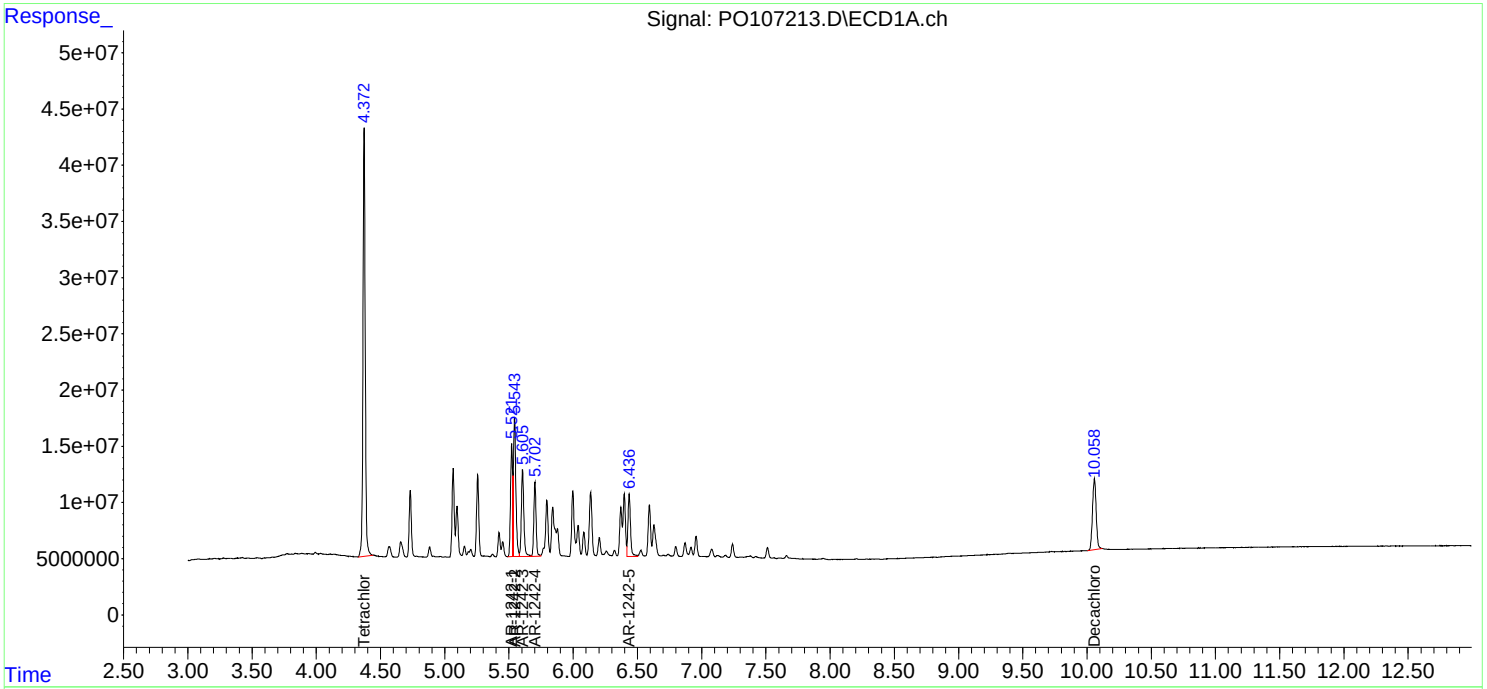
ICAL Form

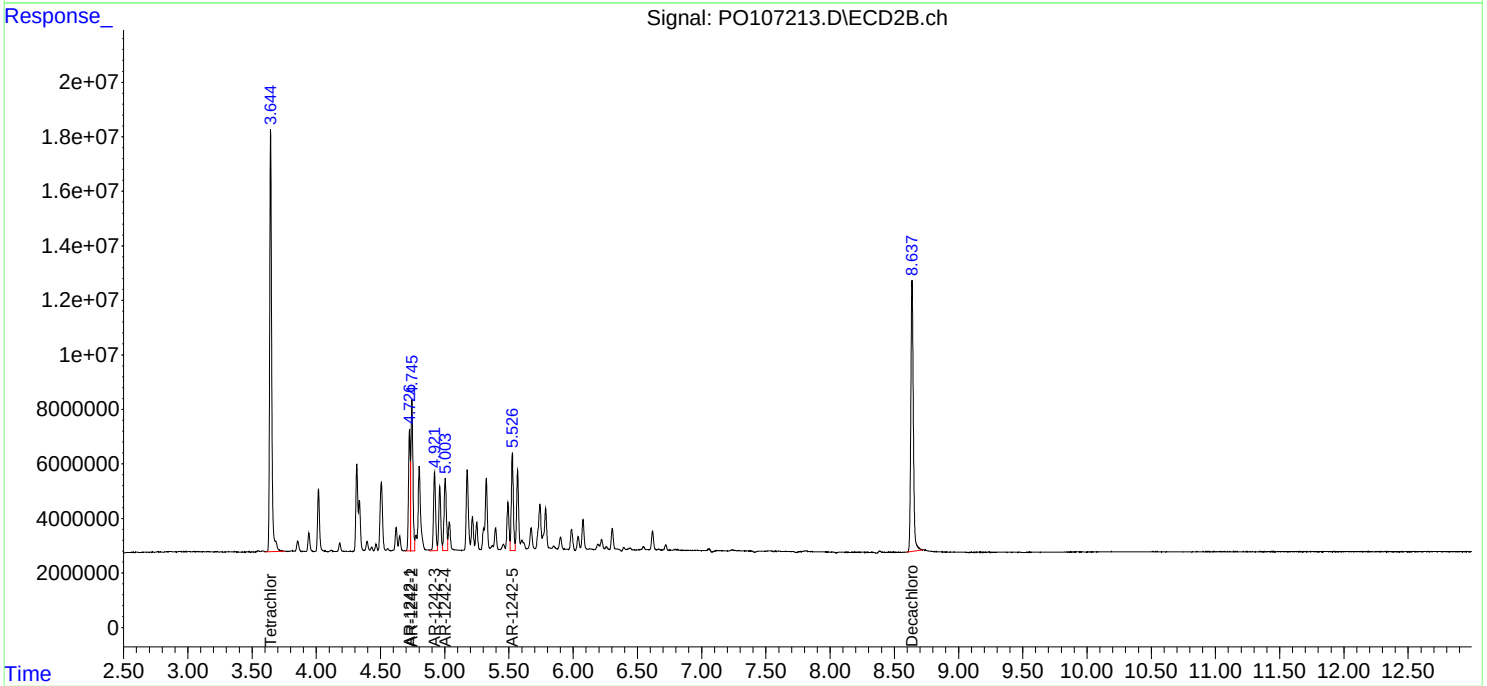
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107213.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:12
Operator : YP/AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

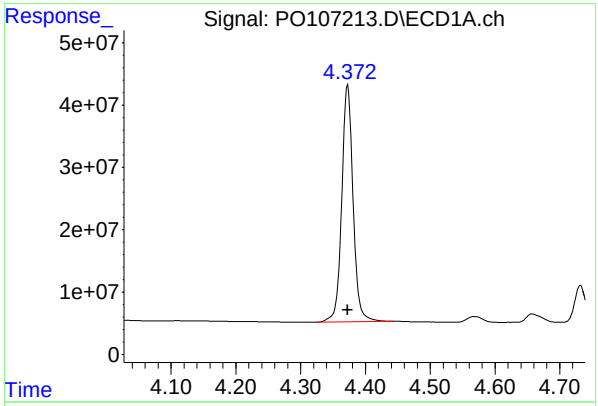
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:37:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:36:18 2024
Response via : Initial Calibration
Integrator: ChemStation

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



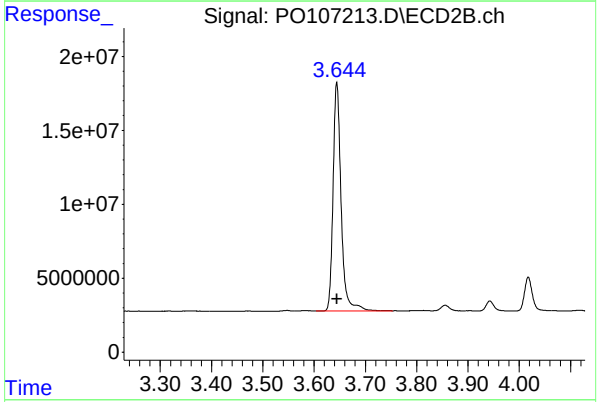






#1 Tetrachloro-m-xylene

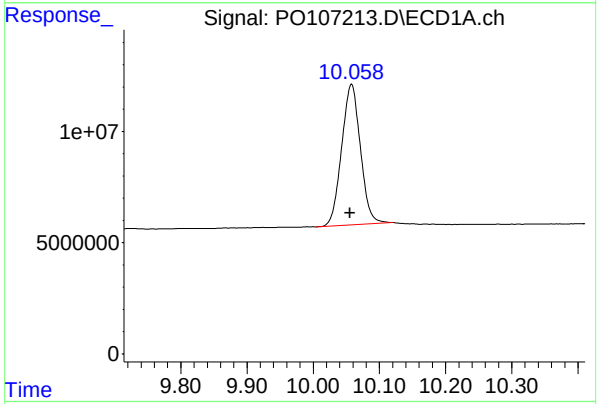
R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 462467958
Conc: 51.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242



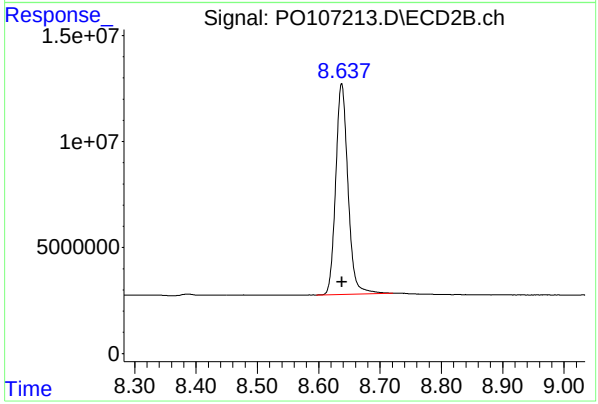

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169014013
Conc: 52.31 ng/ml



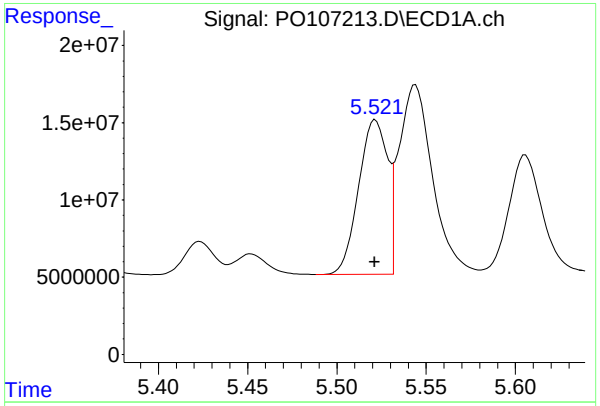

#2 Decachlorobiphenyl

R.T.: 10.058 min
Delta R.T.: 0.003 min
Response: 124432920
Conc: 50.84 ng/ml




#2 Decachlorobiphenyl

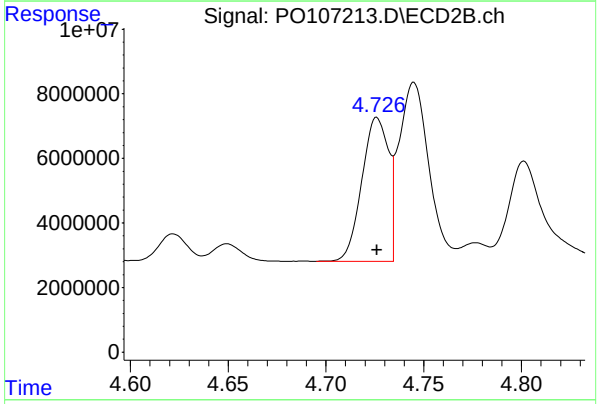
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 137612293
Conc: 50.30 ng/ml




#16 AR-1242-1

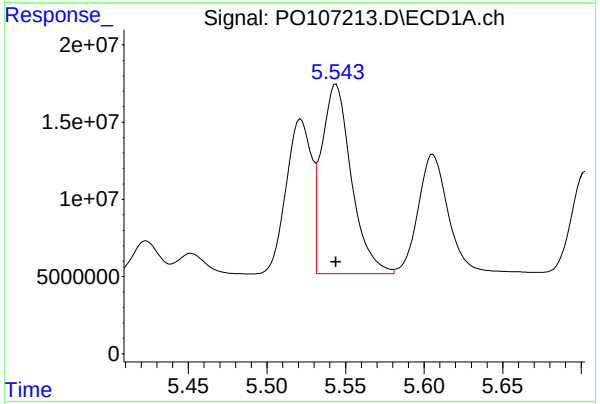
R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 112547896
Conc: 503.25 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242



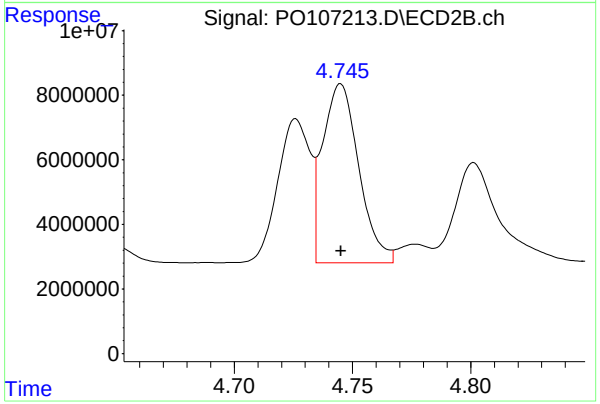

#16 AR-1242-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 42391283
Conc: 506.20 ng/ml



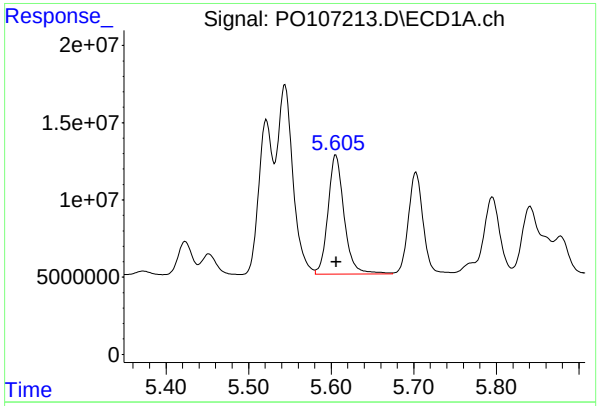

#17 AR-1242-2

R.T.: 5.544 min
Delta R.T.: 0.000 min
Response: 161655864
Conc: 499.68 ng/ml




#17 AR-1242-2

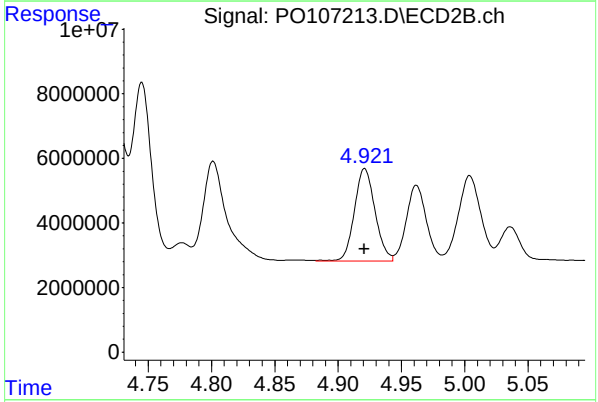
R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 59212746
Conc: 512.05 ng/ml




#18 AR-1242-3

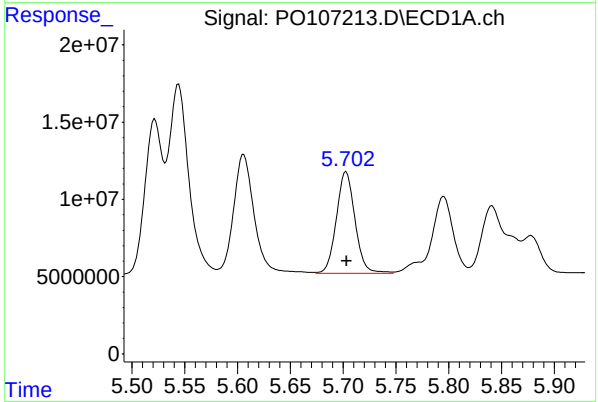
R.T.: 5.606 min
Delta R.T.: 0.000 mi
Response: 104784876
Conc: 501.42 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242



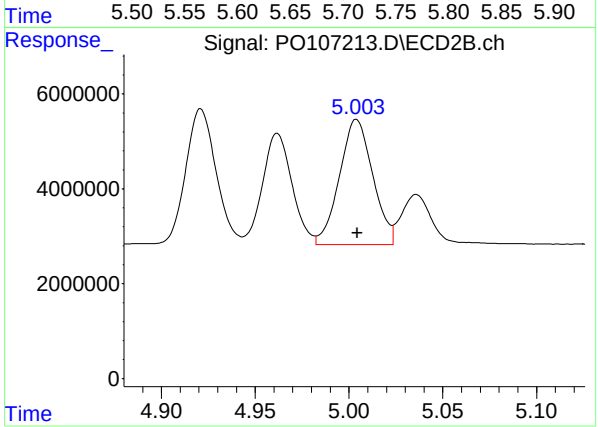

#18 AR-1242-3

R.T.: 4.921 min
Delta R.T.: 0.000 min
Response: 32647360
Conc: 514.67 ng/ml



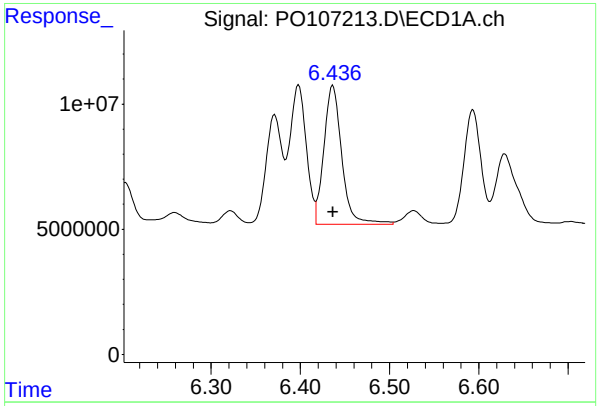

#19 AR-1242-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 80827975
Conc: 505.16 ng/ml




#19 AR-1242-4

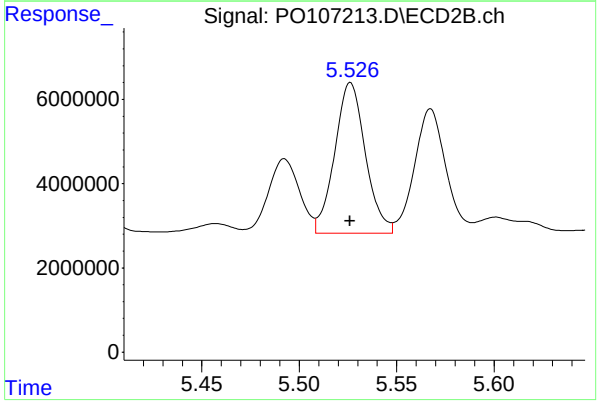
R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 32698937
Conc: 510.53 ng/ml




#20 AR-1242-5

R.T.: 6.436 min
Delta R.T.: 0.000 min
Response: 77500840
Conc: 495.27 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1242




#20 AR-1242-5

R.T.: 5.526 min
Delta R.T.: 0.000 min
Response: 39282831
Conc: 506.72 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 468.2E6 | 171.8E6 | 51.242 | 52.316 |
| 2) | SA Decachlor... | 10.056 | 8.637 | 126.4E6 | 139.3E6 | 51.882 | 50.991 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.521 | 4.726 | 87306267 | 32470217 | 502.117 | 511.816 |
| 22) | L5 AR-1248-2 | 5.794 | 4.962 | 126.0E6 | 46450269 | 498.018 | 507.736 |
| 23) | L5 AR-1248-3 | 5.997 | 5.004 | 130.0E6 | 48736000 | 508.271 | 510.896 |
| 24) | L5 AR-1248-4 | 6.397 | 5.175 | 129.0E6 | 57212370 | 500.494 | 510.195 |
| 25) | L5 AR-1248-5 | 6.436 | 5.567 | 130.2E6 | 54714064 | 500.737 | 496.185 |

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

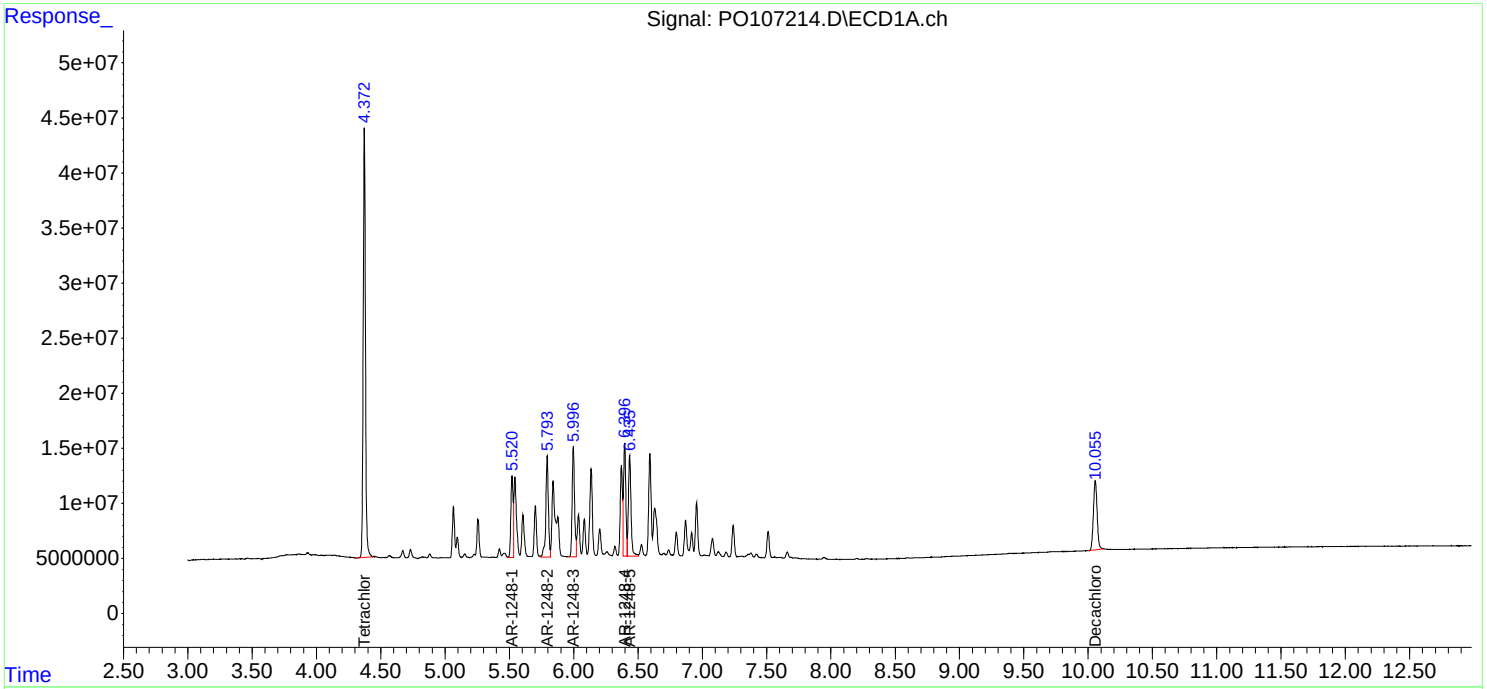
ICAL Form

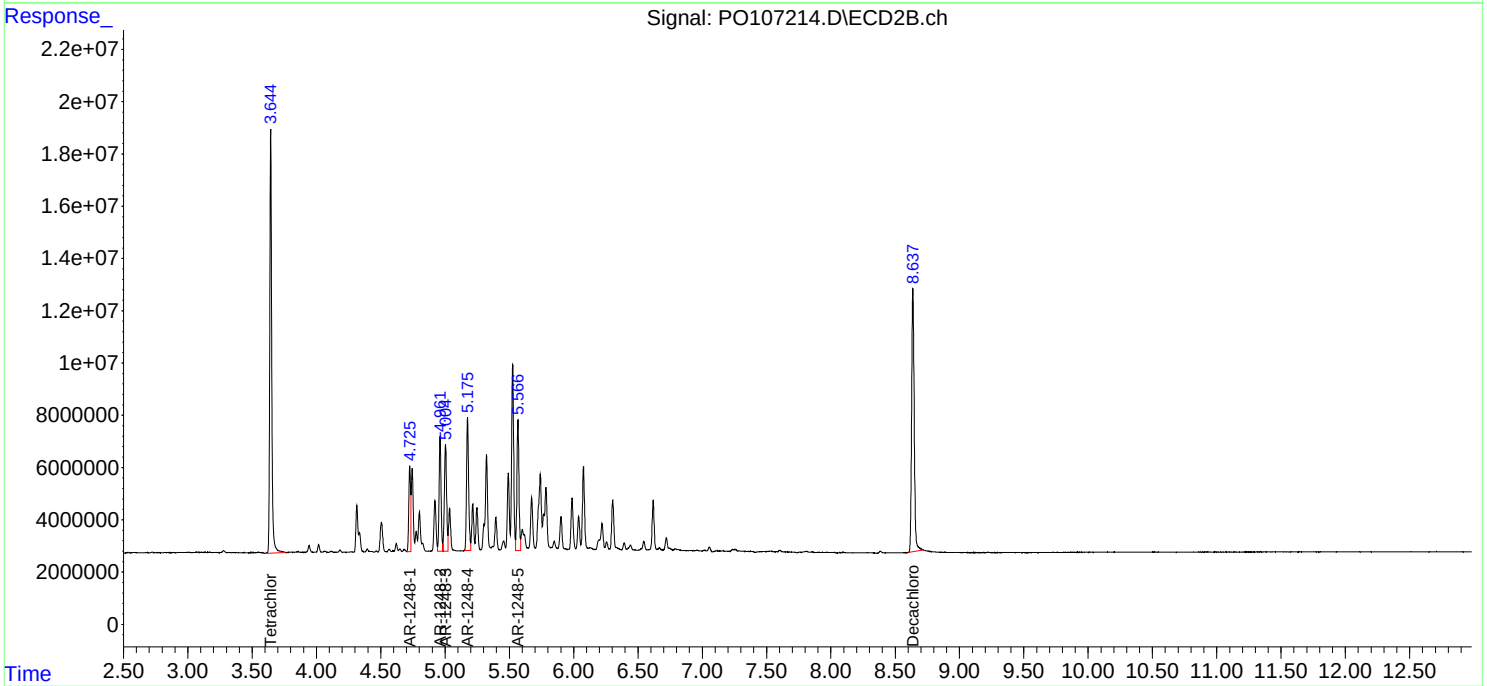
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107214.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:30
Operator : YP/AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

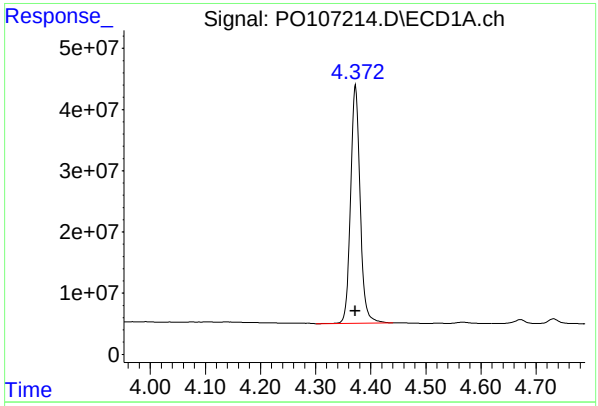
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:41:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:40:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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



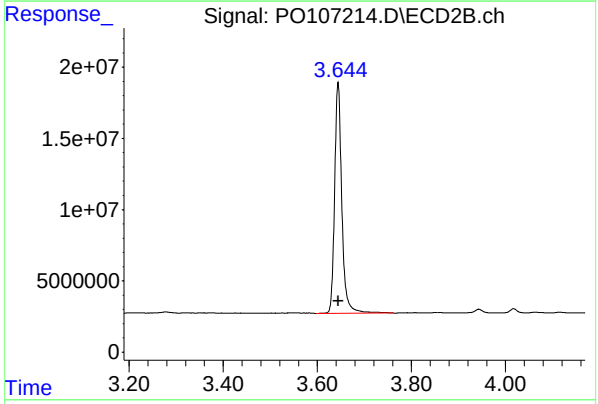






#1 Tetrachloro-m-xylene

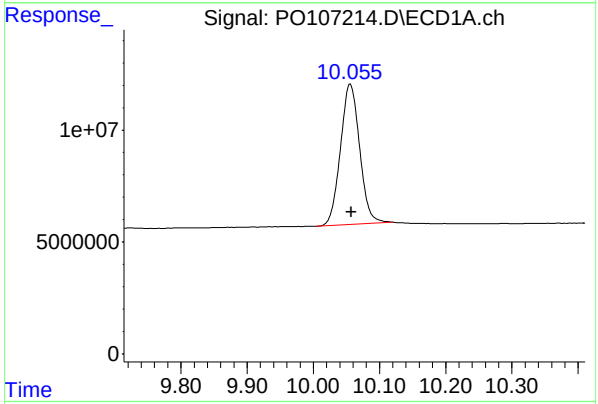
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 468218495
Conc: 51.24 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248



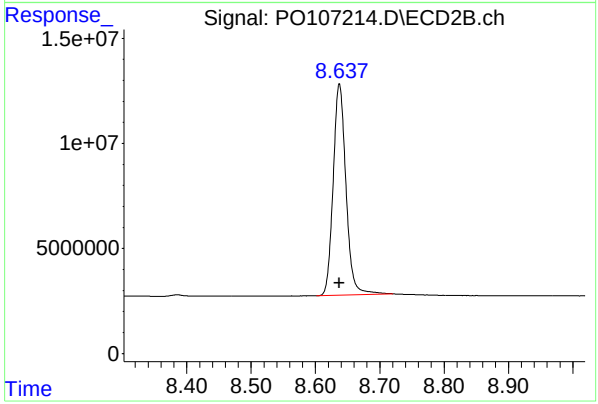

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 171820409
Conc: 52.32 ng/ml



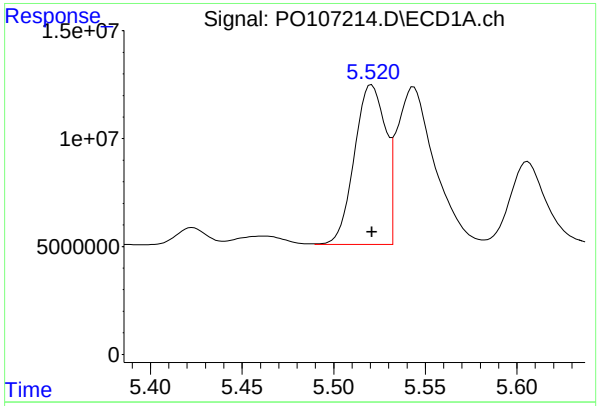

#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.002 min
Response: 126367490
Conc: 51.88 ng/ml




#2 Decachlorobiphenyl

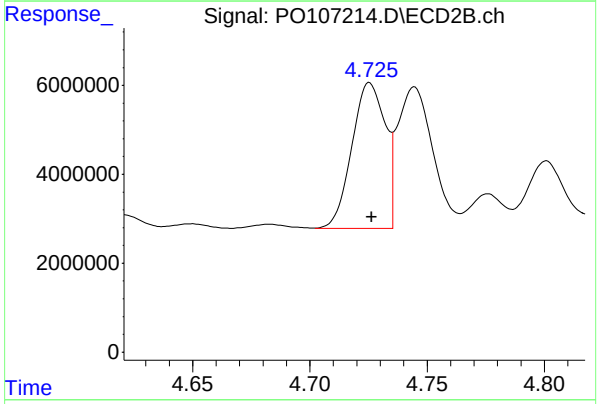
R.T.: 8.637 min
Delta R.T.: 0.000 min
Response: 139311316
Conc: 50.99 ng/ml




#21 AR-1248-1

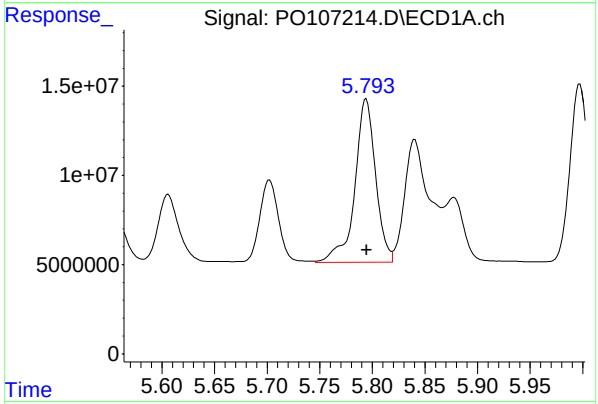
R.T.: 5.521 min
Delta R.T.: 0.000 min
Response: 87306267
Conc: 502.12 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248



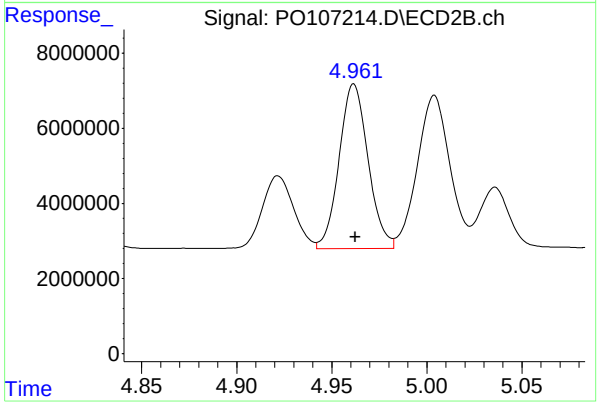

#21 AR-1248-1

R.T.: 4.726 min
Delta R.T.: 0.000 min
Response: 32470217
Conc: 511.82 ng/ml



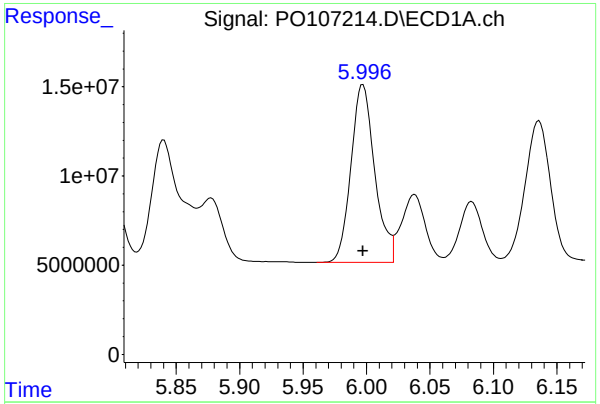

#22 AR-1248-2

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 126011117
Conc: 498.02 ng/ml




#22 AR-1248-2

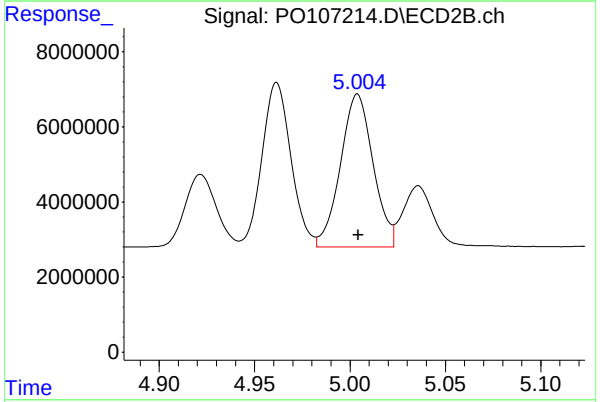
R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 46450269
Conc: 507.74 ng/ml




#23 AR-1248-3

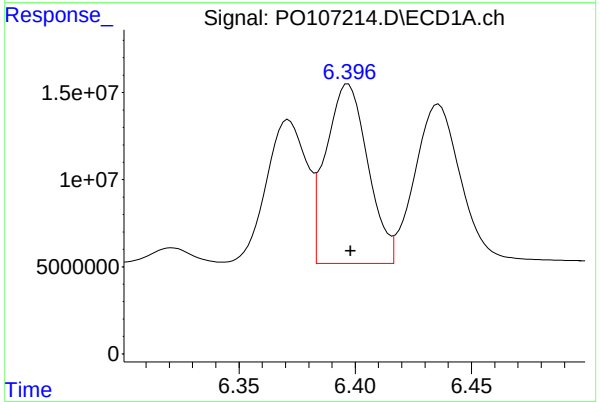
R.T.: 5.997 min
Delta R.T.: 0.000 min
Response: 129957922
Conc: 508.27 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248



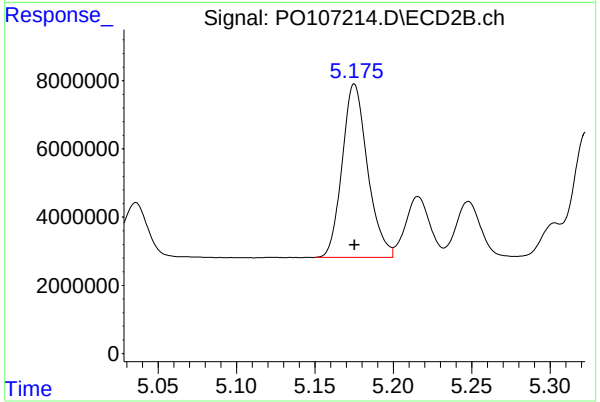

#23 AR-1248-3

R.T.: 5.004 min
Delta R.T.: 0.000 min
Response: 48736000
Conc: 510.90 ng/ml



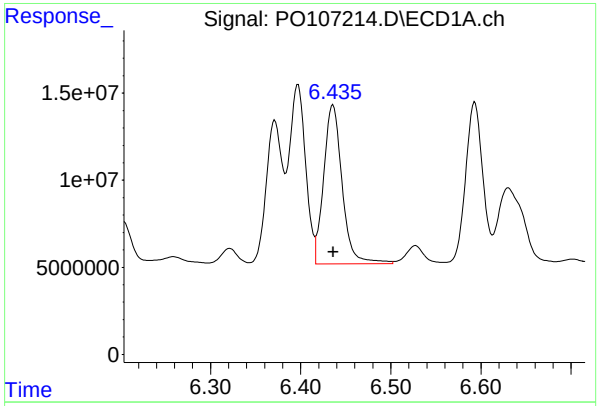

#24 AR-1248-4

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 129038438
Conc: 500.49 ng/ml




#24 AR-1248-4

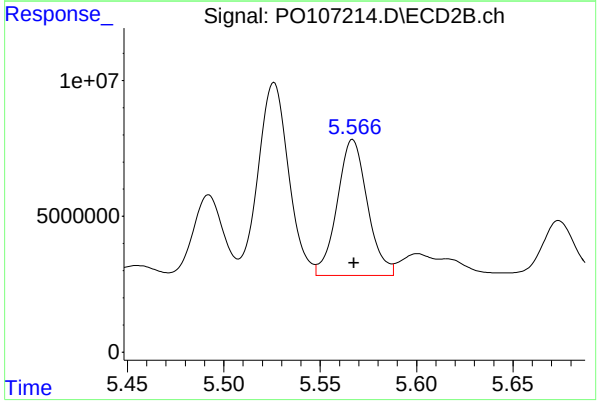
R.T.: 5.175 min
Delta R.T.: 0.000 min
Response: 57212370
Conc: 510.19 ng/ml




#25 AR-1248-5

R.T.: 6.436 min
Delta R.T.: 0.000 mi
Response: 130213442
Conc: 500.74 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1248




#25 AR-1248-5

R.T.: 5.567 min
Delta R.T.: 0.000 min
Response: 54714064
Conc: 496.18 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 461.3E6 | 168.2E6 | 50.657 | 51.320 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 125.1E6 | 138.4E6 | 51.131 | 50.597 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.374 | 5.527 | 132.5E6 | 83096071 | 492.928 | 504.260 |
| 27) | L6 AR-1254-2 | 6.592 | 5.673 | 186.6E6 | 72524753 | 494.424 | 500.299 |
| 28) | L6 AR-1254-3 | 6.956 | 6.077 | 177.6E6 | 116.6E6 | 496.443 | 508.012 |
| 29) | L6 AR-1254-4 | 7.242 | 6.304 | 112.6E6 | 65655140 | 490.851 | 507.289 |
| 30) | L6 AR-1254-5 | 7.661 | 6.722 | 102.5E6 | 98535916 | 493.779 | 515.754 |

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

Quantitation Report (QT Reviewed)

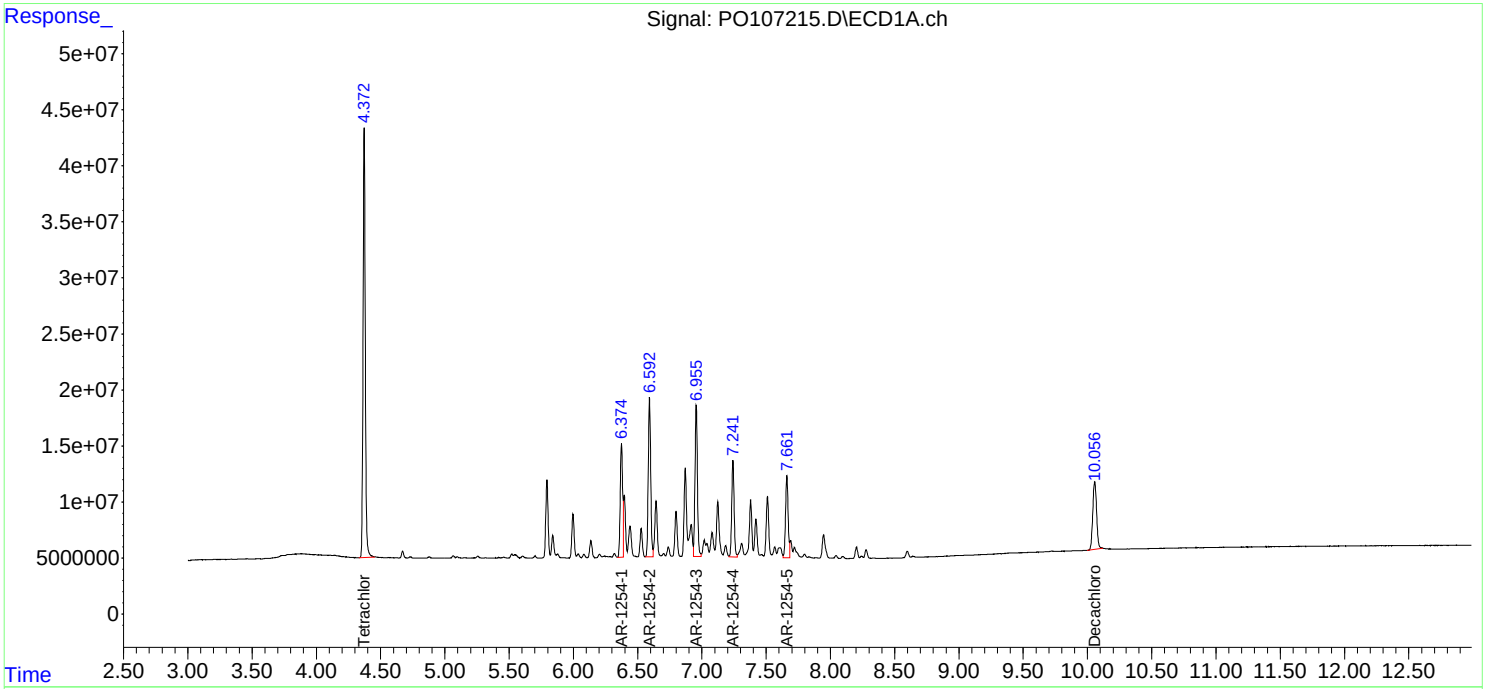
ICAL Form

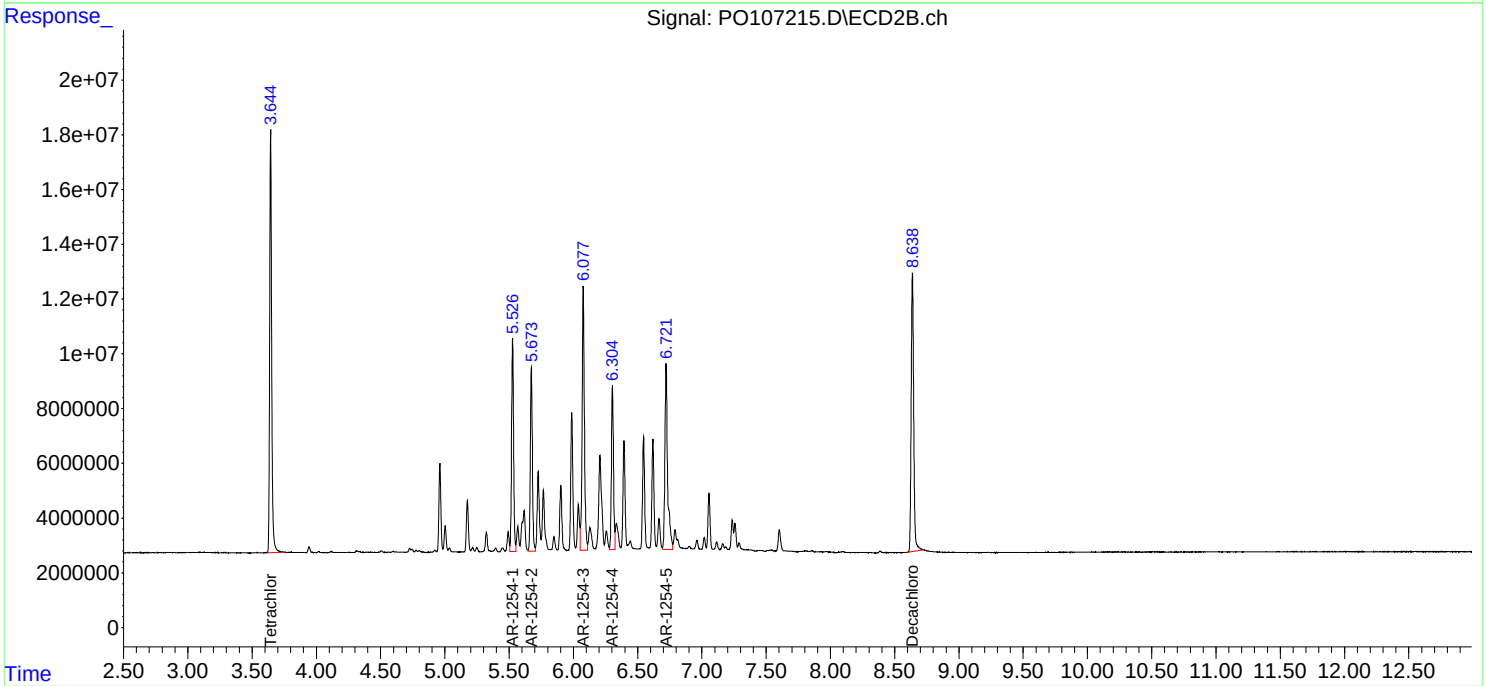
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 03:48
Operator : YP/AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

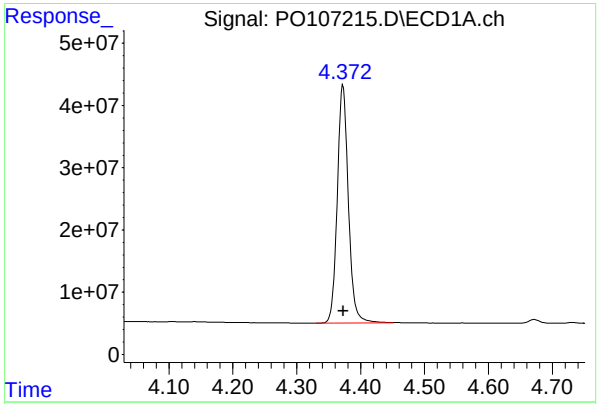
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:44:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:44:14 2024
Response via : Initial Calibration
Integrator: ChemStation

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



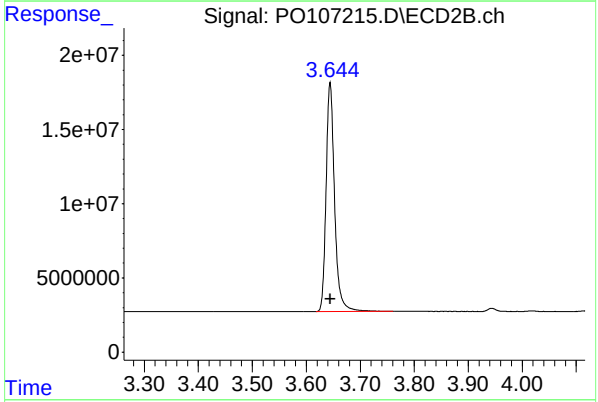






#1 Tetrachloro-m-xylene

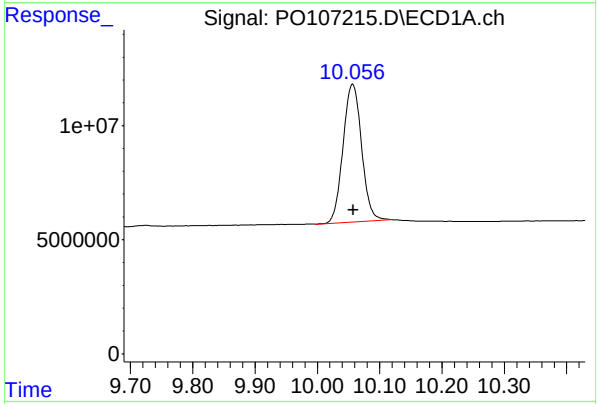
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461315023
Conc: 50.66 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254



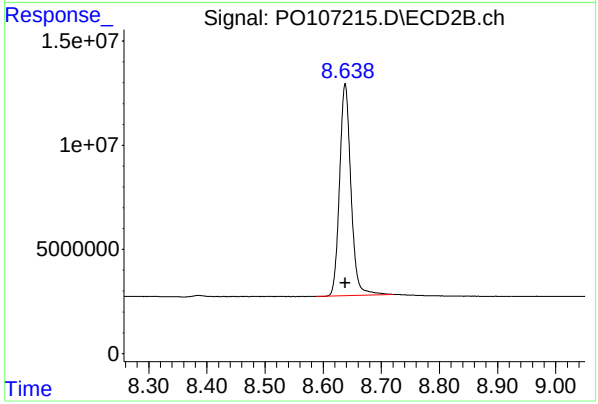

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 168249288
Conc: 51.32 ng/ml



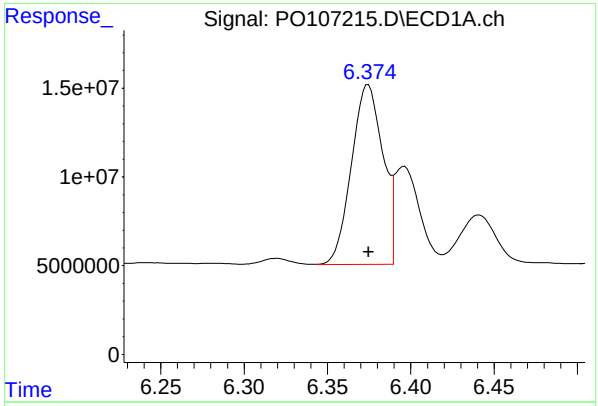

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 125059181
Conc: 51.13 ng/ml




#2 Decachlorobiphenyl

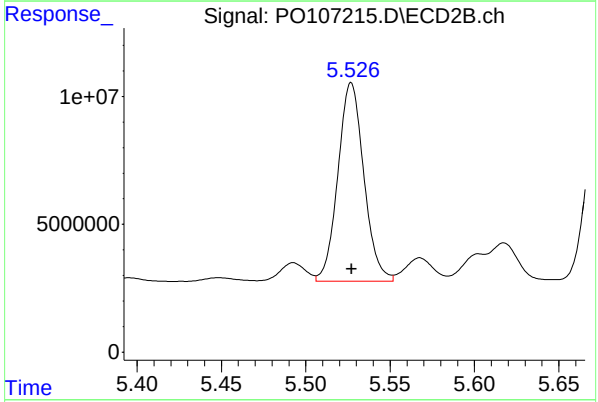
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 138374954
Conc: 50.60 ng/ml




#26 AR-1254-1

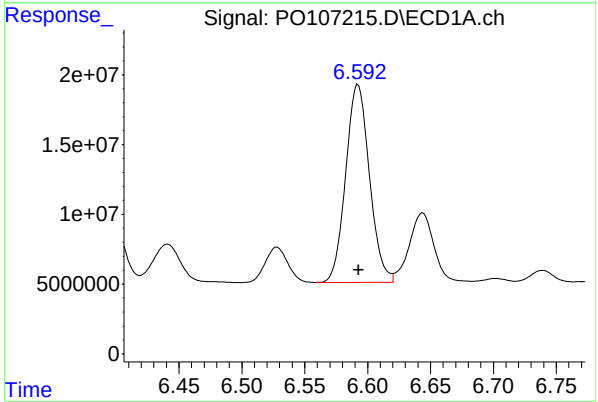
R.T.: 6.374 min
Delta R.T.: 0.000 min
Response: 132473603
Conc: 492.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254



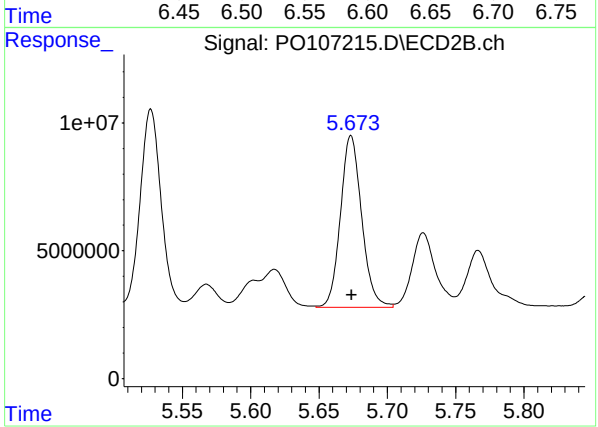

#26 AR-1254-1

R.T.: 5.527 min
Delta R.T.: 0.000 min
Response: 83096071
Conc: 504.26 ng/ml



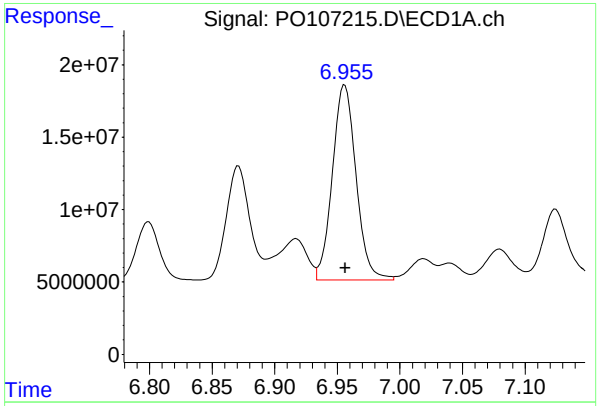

#27 AR-1254-2

R.T.: 6.592 min
Delta R.T.: 0.000 min
Response: 186598478
Conc: 494.42 ng/ml




#27 AR-1254-2

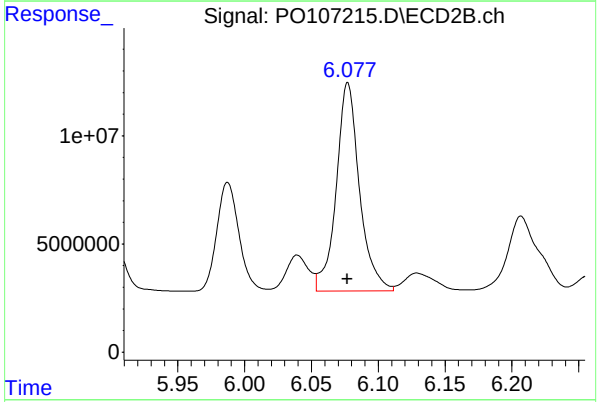
R.T.: 5.673 min
Delta R.T.: 0.000 min
Response: 72524753
Conc: 500.30 ng/ml




#28 AR-1254-3

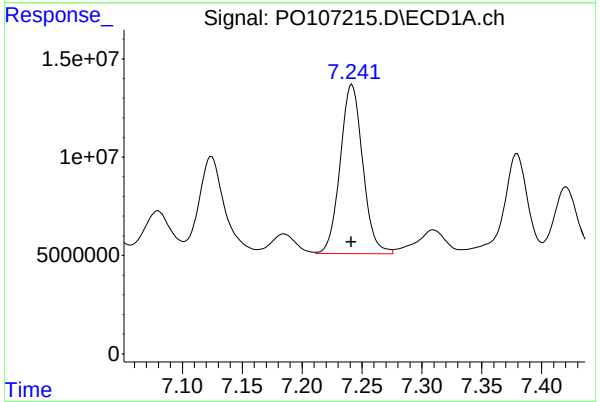
R.T.: 6.956 min
Delta R.T.: 0.000 min
Response: 177625713
Conc: 496.44 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254



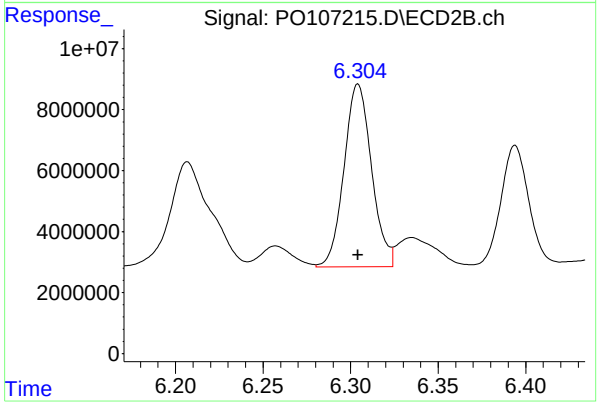

#28 AR-1254-3

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 116649998
Conc: 508.01 ng/ml



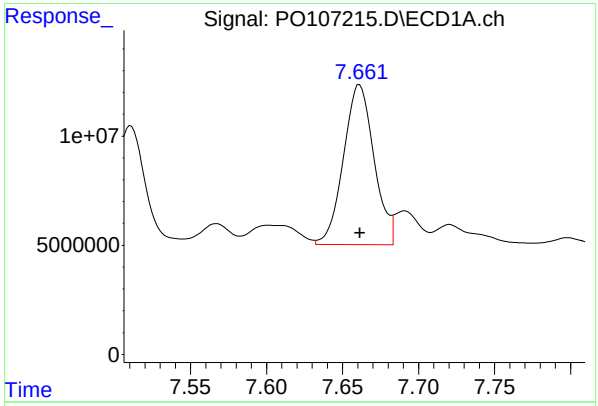

#29 AR-1254-4

R.T.: 7.242 min
Delta R.T.: 0.000 min
Response: 112608571
Conc: 490.85 ng/ml




#29 AR-1254-4

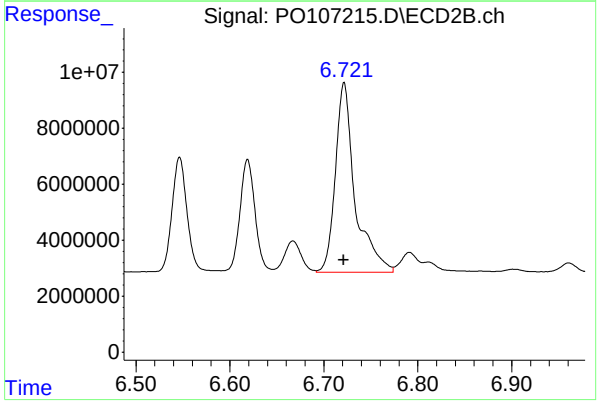
R.T.: 6.304 min
Delta R.T.: 0.000 min
Response: 65655140
Conc: 507.29 ng/ml




#30 AR-1254-5

R.T.: 7.661 min
Delta R.T.: 0.000 min
Response: 102531632
Conc: 493.78 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1254




#30 AR-1254-5

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 98535916
Conc: 515.75 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.372 | 3.644 | 461.5E6 | 169.8E6 | 49.559 | 49.696 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 214.2E6 | 240.5E6 | 50.485 | 49.870 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 8.588 | 7.541 | 182.7E6 | 207.4E6 | 501.152 | 501.118 |
| 42) | L9 AR-1268-2 | 8.678 | 7.606 | 163.0E6 | 192.3E6 | 501.726 | 501.439 |
| 43) | L9 AR-1268-3 | 8.907 | 7.812 | 141.7E6 | 170.9E6 | 501.280 | 503.353 |
| 44) | L9 AR-1268-4 | 9.313 | 8.096 | 57558867 | 64279608 | 501.757 | 505.004 |
| 45) | L9 AR-1268-5 | 9.721 | 8.385 | 423.5E6 | 510.6E6 | 499.926 | 501.994 |

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

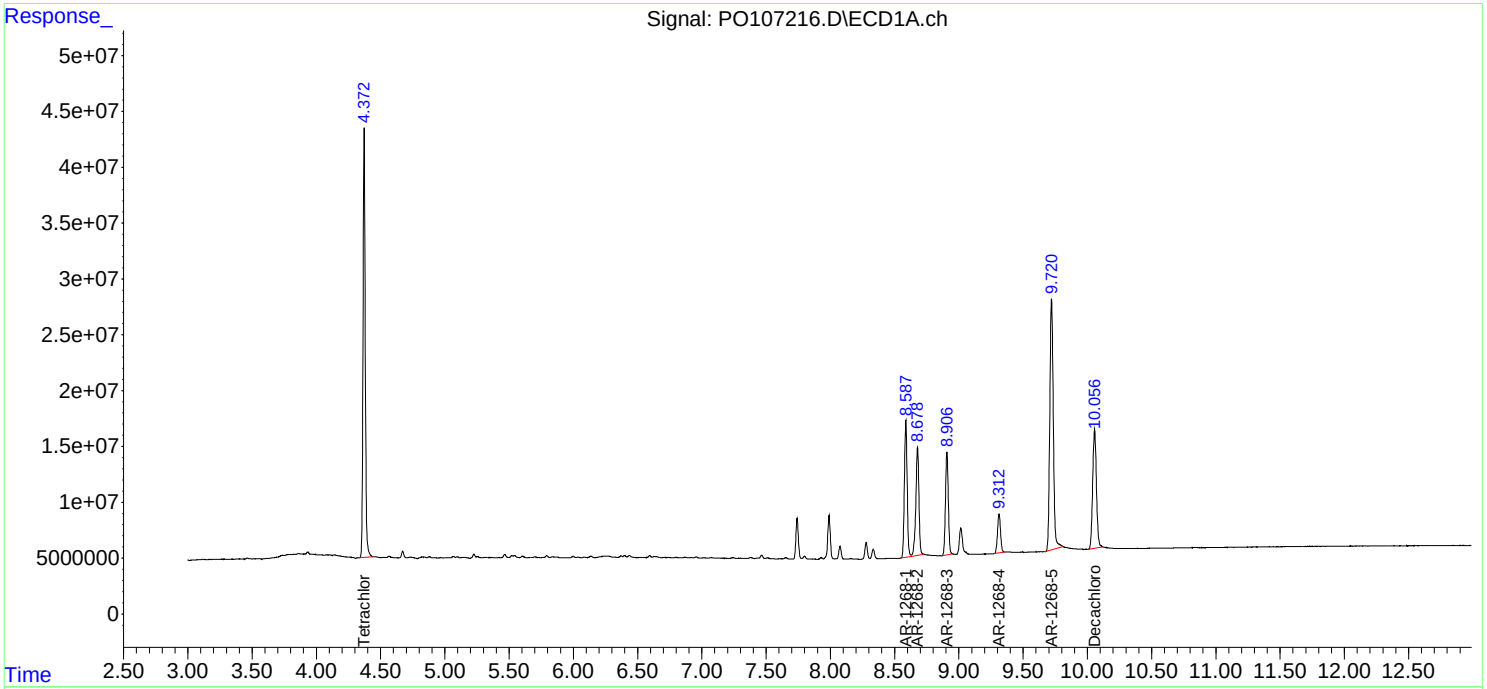
ICAL Form

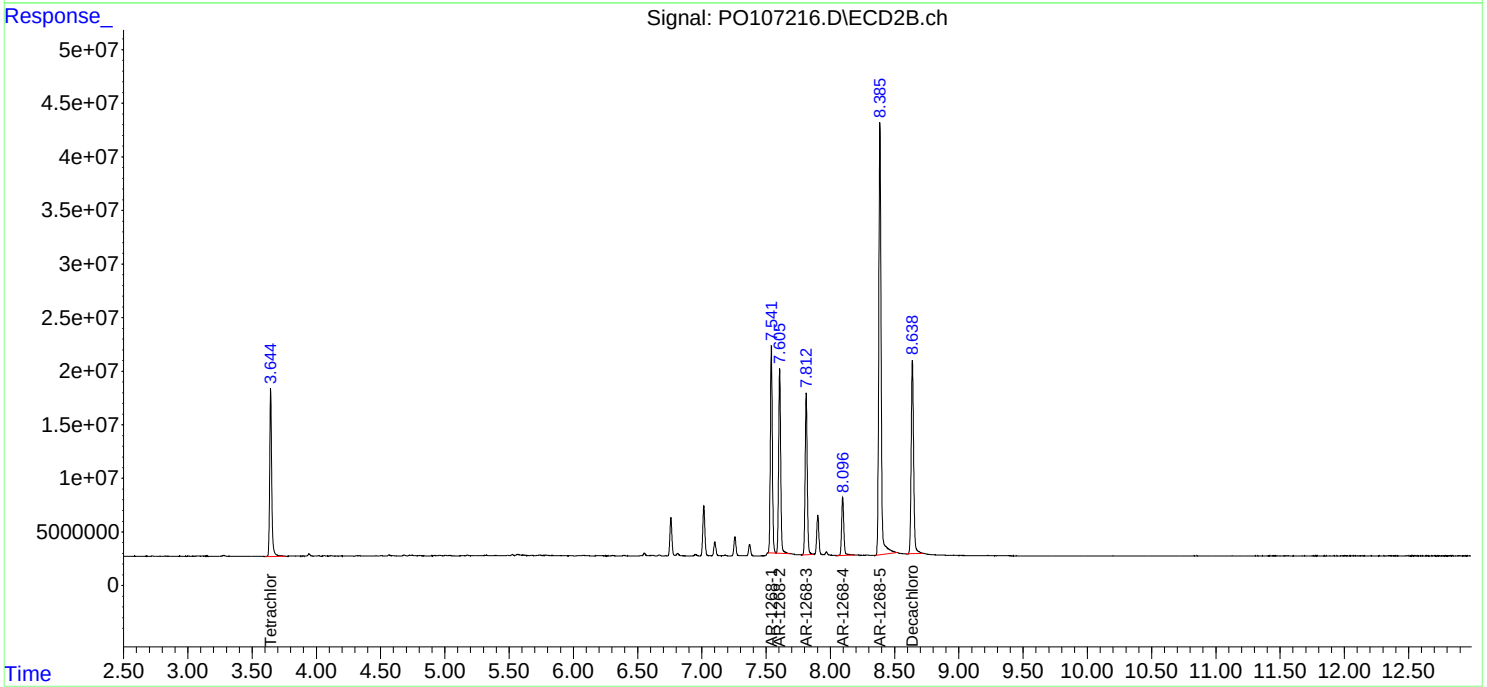
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107216.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2024 04:06
Operator : YP/AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

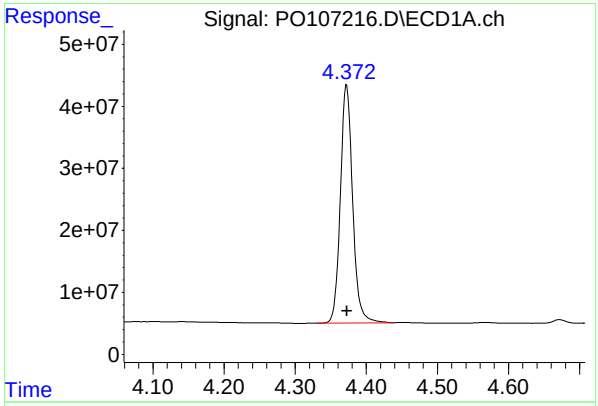
**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:22:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 02:38:17 2024
Response via : Initial Calibration
Integrator: ChemStation

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



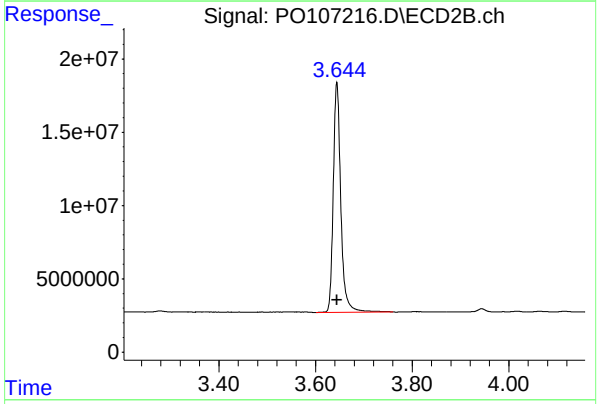






#1 Tetrachloro-m-xylene

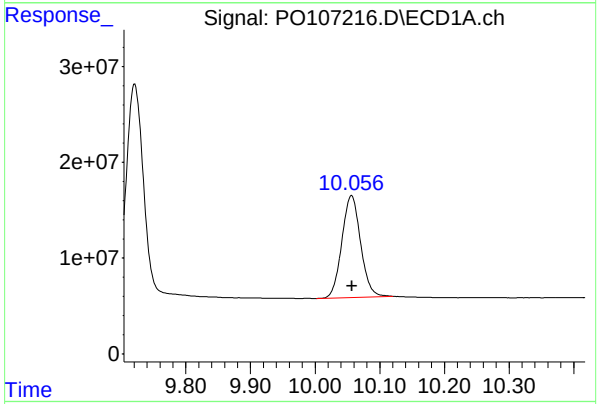
R.T.: 4.372 min
Delta R.T.: 0.000 min
Response: 461469891
Conc: 49.56 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268



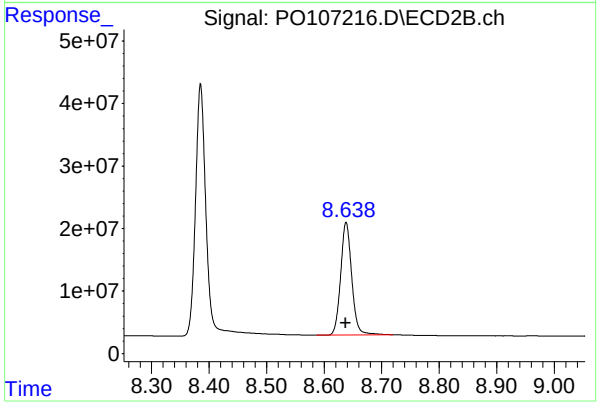

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 169767960
Conc: 49.70 ng/ml



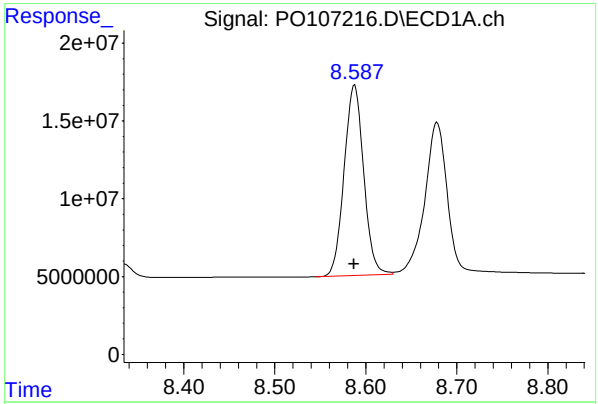

#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: 0.000 min
Response: 214156109
Conc: 50.49 ng/ml




#2 Decachlorobiphenyl

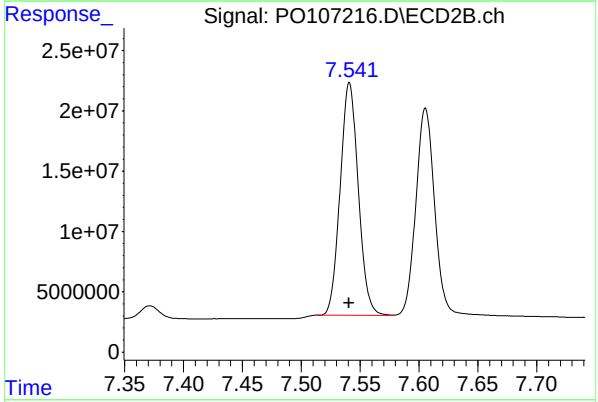
R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 240548821
Conc: 49.87 ng/ml




#41 AR-1268-1

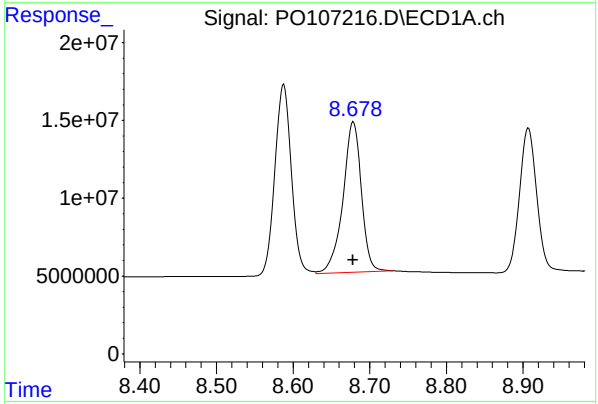
R.T.: 8.588 min
Delta R.T.: 0.000 min
Response: 182731516
Conc: 501.15 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268



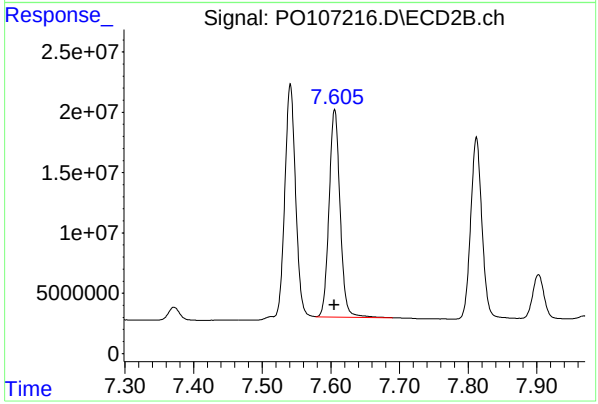

#41 AR-1268-1

R.T.: 7.541 min
Delta R.T.: 0.000 min
Response: 207394627
Conc: 501.12 ng/ml



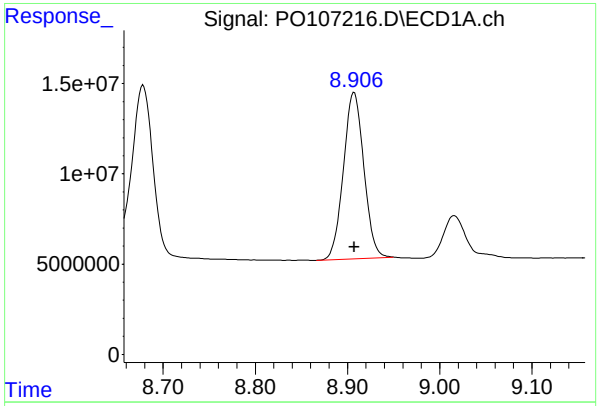

#42 AR-1268-2

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 162992089
Conc: 501.73 ng/ml




#42 AR-1268-2

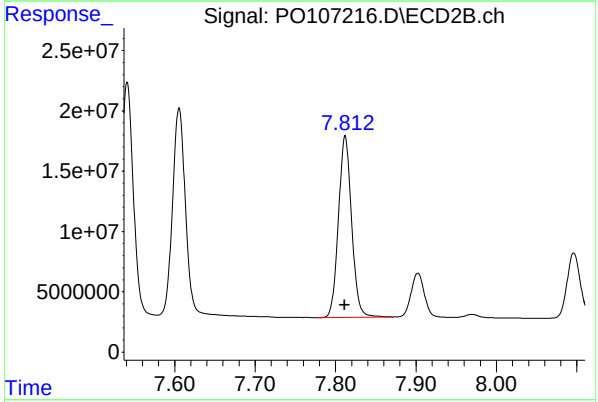
R.T.: 7.606 min
Delta R.T.: 0.000 min
Response: 192310933
Conc: 501.44 ng/ml




#43 AR-1268-3

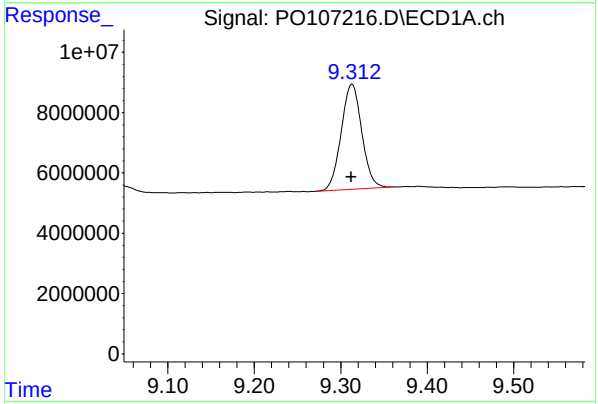
R.T.: 8.907 min
Delta R.T.: 0.000 min
Response: 141671687
Conc: 501.28 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268



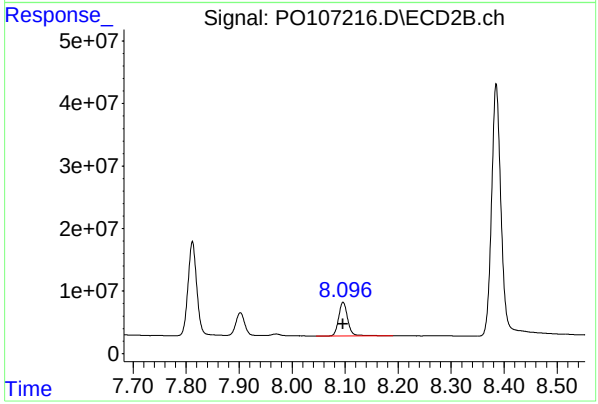

#43 AR-1268-3

R.T.: 7.812 min
Delta R.T.: 0.000 min
Response: 170906328
Conc: 503.35 ng/ml



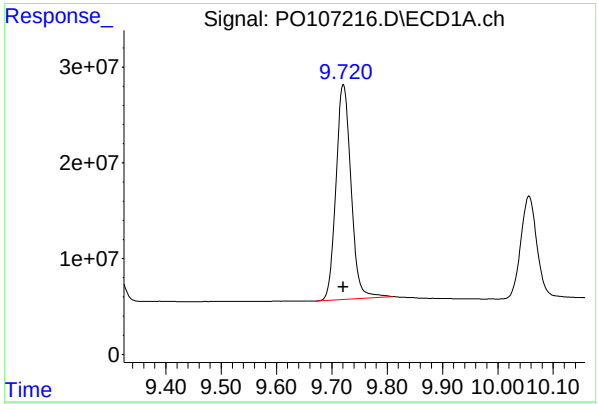

#44 AR-1268-4

R.T.: 9.313 min
Delta R.T.: 0.000 min
Response: 57558867
Conc: 501.76 ng/ml




#44 AR-1268-4

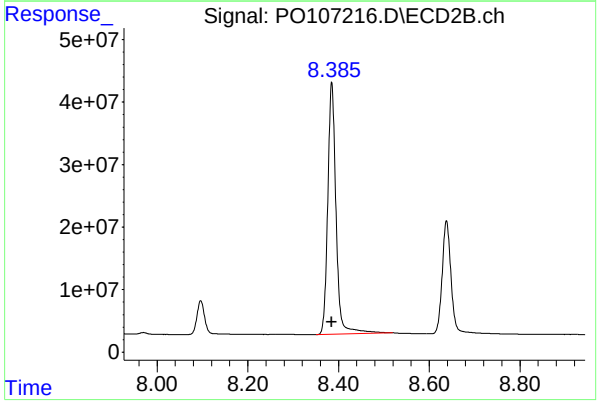
R.T.: 8.096 min
Delta R.T.: 0.000 min
Response: 64279608
Conc: 505.00 ng/ml




#45 AR-1268-5

R.T.: 9.721 min
Delta R.T.: 0.000 min
Response: 423468972
Conc: 499.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
ICVPO101524AR1268




#45 AR-1268-5

R.T.: 8.385 min
Delta R.T.: 0.000 min
Response: 510568070
Conc: 501.99 ng/ml

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:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1016-2 | (2) | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Aroclor-1016-3 | (3) | 6.00 | 6.00 | 6.01 | 6.00 | 6.01 | 6.00 | 5.90 | 6.10 |
| Aroclor-1016-4 | (4) | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.00 | 6.20 |
| Aroclor-1016-5 | (5) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1260-1 | (1) | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.52 | 7.42 | 7.62 |
| Aroclor-1260-2 | (2) | 7.77 | 7.77 | 7.78 | 7.77 | 7.77 | 7.77 | 7.67 | 7.87 |
| Aroclor-1260-3 | (3) | 8.13 | 8.14 | 8.14 | 8.14 | 8.14 | 8.14 | 8.04 | 8.24 |
| Aroclor-1260-4 | (4) | 8.37 | 8.37 | 8.38 | 8.37 | 8.37 | 8.37 | 8.27 | 8.47 |
| Aroclor-1260-5 | (5) | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.61 | 8.81 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.75 | 4.75 | 4.76 | 4.75 | 4.76 | 4.75 | 4.65 | 4.85 |
| Aroclor-1242-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1242-2 | (2) | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.94 | 5.84 | 6.04 |
| Aroclor-1242-3 | (3) | 6.01 | 6.01 | 6.00 | 6.01 | 6.01 | 6.01 | 5.91 | 6.11 |
| Aroclor-1242-4 | (4) | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.10 | 6.00 | 6.20 |
| Aroclor-1242-5 | (5) | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.74 | 6.94 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.76 | 4.76 | 4.75 | 4.76 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1248-1 | (1) | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.82 | 6.02 |
| Aroclor-1248-2 | (2) | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.09 | 6.29 |
| Aroclor-1248-3 | (3) | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.40 | 6.30 | 6.50 |
| Aroclor-1248-4 | (4) | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.70 | 6.90 |
| Aroclor-1248-5 | (5) | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.84 | 6.74 | 6.94 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.66 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1254-1 | (1) | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.77 | 6.67 | 6.87 |
| Aroclor-1254-2 | (2) | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.99 | 6.89 | 7.09 |
| Aroclor-1254-3 | (3) | 7.36 | 7.36 | 7.35 | 7.36 | 7.36 | 7.36 | 7.26 | 7.46 |
| Aroclor-1254-4 | (4) | 7.64 | 7.64 | 7.64 | 7.64 | 7.64 | 7.64 | 7.54 | 7.74 |
| Aroclor-1254-5 | (5) | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 8.06 | 7.96 | 8.16 |
| Decachlorobiphenyl | | 10.67 | 10.67 | 10.67 | 10.67 | 10.66 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | | 4.76 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |
| Aroclor-1268-1 | (1) | 9.05 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 8.94 | 9.14 |
| Aroclor-1268-2 | (2) | 9.15 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.04 | 9.24 |
| Aroclor-1268-3 | (3) | 9.40 | 9.39 | 9.40 | 9.39 | 9.40 | 9.40 | 9.30 | 9.50 |
| Aroclor-1268-4 | (4) | 9.84 | 9.84 | 9.84 | 9.84 | 9.84 | 9.84 | 9.74 | 9.94 |
| Aroclor-1268-5 | (5) | 10.30 | 10.29 | 10.29 | 10.29 | 10.29 | 10.29 | 10.19 | 10.39 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.67 | 10.57 | 10.77 |
| Tetrachloro-m-xylene | 4.76 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.65 | 4.85 |

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

| COMPOUND | | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN RT | RT WINDOW FROM | RT WINDOW TO |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1016-2 | (2) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1016-3 | (3) | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.26 | 5.46 |
| Aroclor-1016-4 | (4) | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.30 | 5.50 |
| Aroclor-1016-5 | (5) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1260-1 | (1) | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.66 | 6.56 | 6.76 |
| Aroclor-1260-2 | (2) | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.75 | 6.95 |
| Aroclor-1260-3 | (3) | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 7.01 | 6.91 | 7.11 |
| Aroclor-1260-4 | (4) | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.48 | 7.38 | 7.58 |
| Aroclor-1260-5 | (5) | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.72 | 7.62 | 7.82 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1242-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1242-2 | (2) | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.18 | 5.08 | 5.28 |
| Aroclor-1242-3 | (3) | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.26 | 5.46 |
| Aroclor-1242-4 | (4) | 5.45 | 5.45 | 5.45 | 5.44 | 5.45 | 5.45 | 5.35 | 5.55 |
| Aroclor-1242-5 | (5) | 5.97 | 5.98 | 5.98 | 5.97 | 5.98 | 5.98 | 5.88 | 6.08 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1248-1 | (1) | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.16 | 5.06 | 5.26 |
| Aroclor-1248-2 | (2) | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.40 | 5.30 | 5.50 |
| Aroclor-1248-3 | (3) | 5.44 | 5.45 | 5.44 | 5.44 | 5.45 | 5.44 | 5.34 | 5.54 |
| Aroclor-1248-4 | (4) | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.62 | 5.52 | 5.72 |
| Aroclor-1248-5 | (5) | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 6.02 | 5.92 | 6.12 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1254-1 | (1) | 5.98 | 5.97 | 5.98 | 5.98 | 5.98 | 5.98 | 5.88 | 6.08 |
| Aroclor-1254-2 | (2) | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.12 | 6.02 | 6.22 |
| Aroclor-1254-3 | (3) | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.53 | 6.43 | 6.63 |
| Aroclor-1254-4 | (4) | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.76 | 6.66 | 6.86 |
| Aroclor-1254-5 | (5) | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.18 | 7.08 | 7.28 |
| Decachlorobiphenyl | | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |
| Aroclor-1268-1 | (1) | 8.01 | 8.01 | 8.01 | 8.01 | 8.01 | 8.01 | 7.91 | 8.11 |
| Aroclor-1268-2 | (2) | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 7.97 | 8.17 |
| Aroclor-1268-3 | (3) | 8.29 | 8.29 | 8.29 | 8.29 | 8.29 | 8.29 | 8.19 | 8.39 |
| Aroclor-1268-4 | (4) | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.60 | 8.50 | 8.70 |
| Aroclor-1268-5 | (5) | 8.93 | 8.93 | 8.93 | 8.92 | 8.93 | 8.93 | 8.83 | 9.03 |

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**RETENTION TIMES OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Decachlorobiphenyl | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.22 | 9.12 | 9.32 |
| Tetrachloro-m-xylene | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 4.05 | 3.95 | 4.15 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P

**Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

**CF 500 =** PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 31263736 | 32233361 | 34196172 | 36221284 | 31418860 | 33066683 | 6 |
| Aroclor-1016-2 | (2) | 45702590 | 47619661 | 49829602 | 53216480 | 47485960 | 48770859 | 6 |
| Aroclor-1016-3 | (3) | 29655293 | 30980703 | 32521866 | 34545868 | 29856000 | 31511946 | 6 |
| Aroclor-1016-4 | (4) | 24305642 | 24965132 | 26130902 | 27480568 | 25835960 | 25743641 | 5 |
| Aroclor-1016-5 | (5) | 25253642 | 26507995 | 28106138 | 29556500 | 25910240 | 27066903 | 6 |
| Aroclor-1260-1 | (1) | 48881600 | 51062627 | 53497292 | 60189956 | 56487000 | 54023695 | 8 |
| Aroclor-1260-2 | (2) | 57303356 | 59473712 | 62743556 | 68896016 | 67937280 | 63270784 | 8 |
| Aroclor-1260-3 | (3) | 47767972 | 49860571 | 52672962 | 57075820 | 51866880 | 51848841 | 7 |
| Aroclor-1260-4 | (4) | 55679811 | 58146343 | 61152700 | 66302976 | 59690240 | 60194414 | 7 |
| Aroclor-1260-5 | (5) | 101142428 | 103711039 | 108382514 | 116162164 | 109162380 | 107712105 | 5 |
| Decachlorobiphenyl | | 1047572970 | 1092521333 | 1163088620 | 1272493760 | 1180845600 | 1151304457 | 8 |
| Tetrachloro-m-xylene | | 918389550 | 937648760 | 969374660 | 977965440 | 824831600 | 925642002 | 7 |
| Aroclor-1242-1 | (1) | 26136486 | 27020177 | 28880182 | 30131840 | 27517000 | 27937137 | 6 |
| Aroclor-1242-2 | (2) | 37560737 | 39520053 | 41823206 | 43424048 | 40845460 | 40634701 | 5 |
| Aroclor-1242-3 | (3) | 24775066 | 25964975 | 27626992 | 28013716 | 28443000 | 26964750 | 6 |
| Aroclor-1242-4 | (4) | 19919938 | 20877219 | 22020082 | 22198916 | 22236220 | 21450475 | 5 |
| Aroclor-1242-5 | (5) | 22664411 | 23310707 | 24494326 | 25449828 | 24710200 | 24125894 | 5 |
| Decachlorobiphenyl | | 1049846500 | 1096431853 | 1183590260 | 1273416280 | 1210794800 | 1162815939 | 8 |
| Tetrachloro-m-xylene | | 918045770 | 945319107 | 991838280 | 988565840 | 844744200 | 937702639 | 6 |
| Aroclor-1248-1 | (1) | 19592099 | 21187299 | 21900336 | 23649416 | 20785280 | 21422886 | 7 |
| Aroclor-1248-2 | (2) | 29912773 | 32262593 | 34275072 | 36926580 | 34706360 | 33616676 | 8 |
| Aroclor-1248-3 | (3) | 33038688 | 35344895 | 37623064 | 40558304 | 36562360 | 36625462 | 8 |
| Aroclor-1248-4 | (4) | 36925252 | 39416441 | 41800322 | 44728924 | 39382640 | 40450716 | 7 |
| Aroclor-1248-5 | (5) | 36740691 | 38953265 | 40984016 | 43781648 | 37845340 | 39660992 | 7 |
| Decachlorobiphenyl | | 1055450820 | 1109667187 | 1169649200 | 1282118000 | 1302489400 | 1183874921 | 9 |
| Tetrachloro-m-xylene | | 902146960 | 926581653 | 953867240 | 992359080 | 895156800 | 934022347 | 4 |
| Aroclor-1254-1 | (1) | 40350769 | 42082559 | 45284156 | 48868552 | 47326420 | 44782491 | 8 |
| Aroclor-1254-2 | (2) | 59814731 | 62129524 | 65787698 | 71625140 | 71131660 | 66097751 | 8 |
| Aroclor-1254-3 | (3) | 64043672 | 65831181 | 69388346 | 74782692 | 73217700 | 69452718 | 7 |
| Aroclor-1254-4 | (4) | 45989306 | 47460167 | 50157578 | 54420004 | 51495700 | 49904551 | 7 |
| Aroclor-1254-5 | (5) | 54192853 | 57072867 | 59852552 | 64108404 | 61236860 | 59292707 | 6 |
| Decachlorobiphenyl | | 1068499200 | 1106116080 | 1182150460 | 1298012320 | 1262855400 | 1183526692 | 8 |
| Tetrachloro-m-xylene | | 931363580 | 935898013 | 956149560 | 989159640 | 878805200 | 938275199 | 4 |
| Aroclor-1268-1 | (1) | 139515419 | 144470283 | 150997662 | 162718796 | 165540620 | 152648556 | 7 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 125679796 | 130088461 | 136577130 | 145743784 | 144888120 | 136595458 | 6 |
| Aroclor-1268-3 | (3) | 110668977 | 116741077 | 119635012 | 130534268 | 127010440 | 120917955 | 7 |
| Aroclor-1268-4 | (4) | 48063749 | 49890017 | 52720184 | 55641072 | 47784700 | 50819944 | 7 |
| Aroclor-1268-5 | (5) | 348373365 | 356693093 | 372169718 | 389623012 | 400486540 | 373469146 | 6 |
| Decachlorobiphenyl | | 1758376420 | 1827520213 | 1952930880 | 2093924120 | 2163079000 | 1959166127 | 9 |
| Tetrachloro-m-xylene | | 908125750 | 922962547 | 955684560 | 986676760 | 888810200 | 932451963 | 4 |

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## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

**Calibration Times:** 16:30 23:46

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

**LAB FILE ID:** **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

**CF 500 =** PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

| COMPOUND | | CF 1000 | CF 750 | CF 500 | CF 250 | CF 050 | CF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1016-1 | (1) | 32214100 | 33511487 | 34894776 | 37855020 | 36460880 | 34987253 | 6 |
| Aroclor-1016-2 | (2) | 45072170 | 46943971 | 48711842 | 52177748 | 47937020 | 48168550 | 5 |
| Aroclor-1016-3 | (3) | 25675074 | 27277663 | 27567444 | 28514452 | 25652840 | 26937495 | 5 |
| Aroclor-1016-4 | (4) | 22207756 | 23688287 | 24482426 | 25758704 | 24288360 | 24085107 | 5 |
| Aroclor-1016-5 | (5) | 28303958 | 30184395 | 30998408 | 32062244 | 30500300 | 30409861 | 5 |
| Aroclor-1260-1 | (1) | 51490839 | 53867885 | 56846930 | 62693500 | 59910740 | 56961979 | 8 |
| Aroclor-1260-2 | (2) | 60685581 | 63183867 | 66653346 | 73175968 | 69823160 | 66704384 | 8 |
| Aroclor-1260-3 | (3) | 58195863 | 60818087 | 64471984 | 69084640 | 65935040 | 63701123 | 7 |
| Aroclor-1260-4 | (4) | 51141777 | 52463477 | 55669740 | 60213672 | 56975040 | 55292741 | 7 |
| Aroclor-1260-5 | (5) | 115751172 | 117431688 | 122205526 | 128041940 | 128062520 | 122298569 | 5 |
| Decachlorobiphenyl | | 1016699470 | 1064912133 | 1114817860 | 1215156720 | 1195705800 | 1121458397 | 8 |
| Tetrachloro-m-xylene | | 976302160 | 1002778080 | 1038188640 | 1086259240 | 948485600 | 1010402744 | 5 |
| Aroclor-1242-1 | (1) | 26643227 | 27902807 | 30082486 | 31864192 | 28889440 | 29076430 | 7 |
| Aroclor-1242-2 | (2) | 37173910 | 38324184 | 40855302 | 43058560 | 41326680 | 40147727 | 6 |
| Aroclor-1242-3 | (3) | 21209836 | 21846417 | 23389330 | 23608008 | 22421520 | 22495022 | 5 |
| Aroclor-1242-4 | (4) | 21894421 | 22781385 | 24633780 | 25302636 | 24076280 | 23737700 | 6 |
| Aroclor-1242-5 | (5) | 25904963 | 27452171 | 28860038 | 30792124 | 30238540 | 28649567 | 7 |
| Decachlorobiphenyl | | 1030873660 | 1074484253 | 1144199140 | 1227463640 | 1208383800 | 1137080899 | 7 |
| Tetrachloro-m-xylene | | 979317100 | 1008877893 | 1048426020 | 1079705600 | 995407400 | 1022346803 | 4 |
| Aroclor-1248-1 | (1) | 20323070 | 21892911 | 22863994 | 24075660 | 24163260 | 22663779 | 7 |
| Aroclor-1248-2 | (2) | 29599820 | 31598663 | 33173378 | 36121664 | 34985540 | 33095813 | 8 |
| Aroclor-1248-3 | (3) | 31098926 | 33116664 | 34686272 | 37576628 | 35894680 | 34474634 | 7 |
| Aroclor-1248-4 | (4) | 36529837 | 38774123 | 40329020 | 44225180 | 44921420 | 40955916 | 9 |
| Aroclor-1248-5 | (5) | 34201195 | 35911461 | 37616042 | 40473884 | 39013140 | 37443144 | 7 |
| Decachlorobiphenyl | | 1032353410 | 1073137907 | 1131465640 | 1215505400 | 1241215600 | 1138735591 | 8 |
| Tetrachloro-m-xylene | | 952656120 | 994994613 | 1000591240 | 1068188360 | 991037600 | 1001493587 | 4 |
| Aroclor-1254-1 | (1) | 53478224 | 54895953 | 58959138 | 64085456 | 64000720 | 59083898 | 8 |
| Aroclor-1254-2 | (2) | 47135286 | 48672312 | 52146652 | 56922440 | 57444240 | 52464186 | 9 |
| Aroclor-1254-3 | (3) | 76675976 | 78569371 | 83205416 | 89086976 | 88502520 | 83208052 | 7 |
| Aroclor-1254-4 | (4) | 44235570 | 45939643 | 48363680 | 51938700 | 50893660 | 48274251 | 7 |
| Aroclor-1254-5 | (5) | 68142947 | 70671431 | 73760414 | 78813244 | 76368180 | 73551243 | 6 |
| Decachlorobiphenyl | | 1041164600 | 1082182560 | 1142537200 | 1244245720 | 1270180600 | 1156062136 | 9 |
| Tetrachloro-m-xylene | | 969890570 | 991360533 | 1038975520 | 1064707400 | 994465600 | 1011879925 | 4 |
| Aroclor-1268-1 | (1) | 146986557 | 151844596 | 158019168 | 168079912 | 170778780 | 159141803 | 6 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Aroclor-1268-2 | (2) | 133073925 | 137248829 | 142523422 | 151222024 | 151862520 | 143186144 | 6 |
| Aroclor-1268-3 | (3) | 117364027 | 121504320 | 126517254 | 135757020 | 136405580 | 127509640 | 7 |
| Aroclor-1268-4 | (4) | 51956547 | 53952379 | 54797154 | 61002600 | 60671520 | 56476040 | 7 |
| Aroclor-1268-5 | (5) | 359344903 | 364434196 | 374618632 | 391618688 | 400161860 | 378035656 | 5 |
| Decachlorobiphenyl | | 1755186720 | 1802467867 | 1889666160 | 2047579480 | 2153015200 | 1929583085 | 9 |
| Tetrachloro-m-xylene | | 970169850 | 991215560 | 1007059780 | 1064676080 | 979052800 | 1002434814 | 4 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

**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 | 4.96 | 4.86 | 5.06 | 12809900 |
| | | 2 | 5.04 | 4.94 | 5.14 | 9460580 |
| | | 3 | 5.12 | 5.02 | 5.22 | 28907800 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 5.12 | 5.02 | 5.22 | 22859800 |
| | | 2 | 5.65 | 5.55 | 5.75 | 11783000 |
| | | 3 | 5.94 | 5.84 | 6.04 | 22275000 |
| | | 4 | 6.10 | 6.00 | 6.20 | 11287400 |
| | | 5 | 6.19 | 6.09 | 6.29 | 9120180 |
| Aroclor-1262 | 500 | 1 | 8.37 | 8.27 | 8.47 | 71771400 |
| | | 2 | 8.71 | 8.61 | 8.81 | 121580000 |
| | | 3 | 9.05 | 8.95 | 9.15 | 88514200 |
| | | 4 | 9.14 | 9.04 | 9.24 | 69944800 |
| | | 5 | 9.84 | 9.74 | 9.94 | 46791200 |

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## INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Instrument ID:** ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

**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 | 4.27 | 4.17 | 4.37 | 13170200 |
| | | 2 | 4.36 | 4.26 | 4.46 | 9961240 |
| | | 3 | 4.43 | 4.33 | 4.53 | 31131200 |
| | | 4 | 0.00 | | | 0 |
| | | 5 | 0.00 | | | 0 |
| Aroclor-1232 | 500 | 1 | 4.43 | 4.33 | 4.53 | 24333000 |
| | | 2 | 5.18 | 5.08 | 5.28 | 22365000 |
| | | 3 | 5.36 | 5.26 | 5.46 | 11943800 |
| | | 4 | 5.45 | 5.35 | 5.55 | 11531400 |
| | | 5 | 5.62 | 5.52 | 5.72 | 13450300 |
| Aroclor-1262 | 500 | 1 | 7.22 | 7.12 | 7.32 | 78673400 |
| | | 2 | 7.48 | 7.38 | 7.58 | 70962000 |
| | | 3 | 8.01 | 7.91 | 8.11 | 57099400 |
| | | 4 | 8.07 | 7.97 | 8.17 | 100436000 |
| | | 5 | 8.60 | 8.50 | 8.70 | 50017800 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
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: Oct 08 17:39:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 91838955 | 97630216 | 97.299 | 96.928 |
| 2) | SA Decachlor... | 10.665 | 9.219 | 104.8E6 | 101.7E6 | 94.775 | 95.397 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.161 | 31263736 | 32214100 | 955.203 | 960.055 |
| 4) | L1 AR-1016-2 | 5.941 | 5.181 | 45702590 | 45072170 | 956.800 | 961.191 |
| 5) | L1 AR-1016-3 | 6.004 | 5.362 | 29655293 | 25675074 | 953.897 | 964.458 |
| 6) | L1 AR-1016-4 | 6.102 | 5.401 | 24305642 | 22207756 | 963.811 | 951.282 |
| 7) | L1 AR-1016-5 | 6.397 | 5.620 | 25253642 | 28303958 | 946.542 | 954.564 |
| 31) | L7 AR-1260-1 | 7.520 | 6.664 | 48881600 | 51490839 | 954.916 | 950.561 |
| 32) | L7 AR-1260-2 | 7.773 | 6.851 | 57303356 | 60685581 | 954.683 | 953.135 |
| 33) | L7 AR-1260-3 | 8.134 | 7.009 | 47767972 | 58195863 | 951.165 | 948.836 |
| 34) | L7 AR-1260-4 | 8.373 | 7.484 | 55679811 | 51141777 | 953.156 | 957.608 |
| 35) | L7 AR-1260-5 | 8.709 | 7.722 | 101.1E6 | 115.8E6 | 965.445 | 972.876 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067587.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:30
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
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Quant Time: Oct 08 17:39:19 2024
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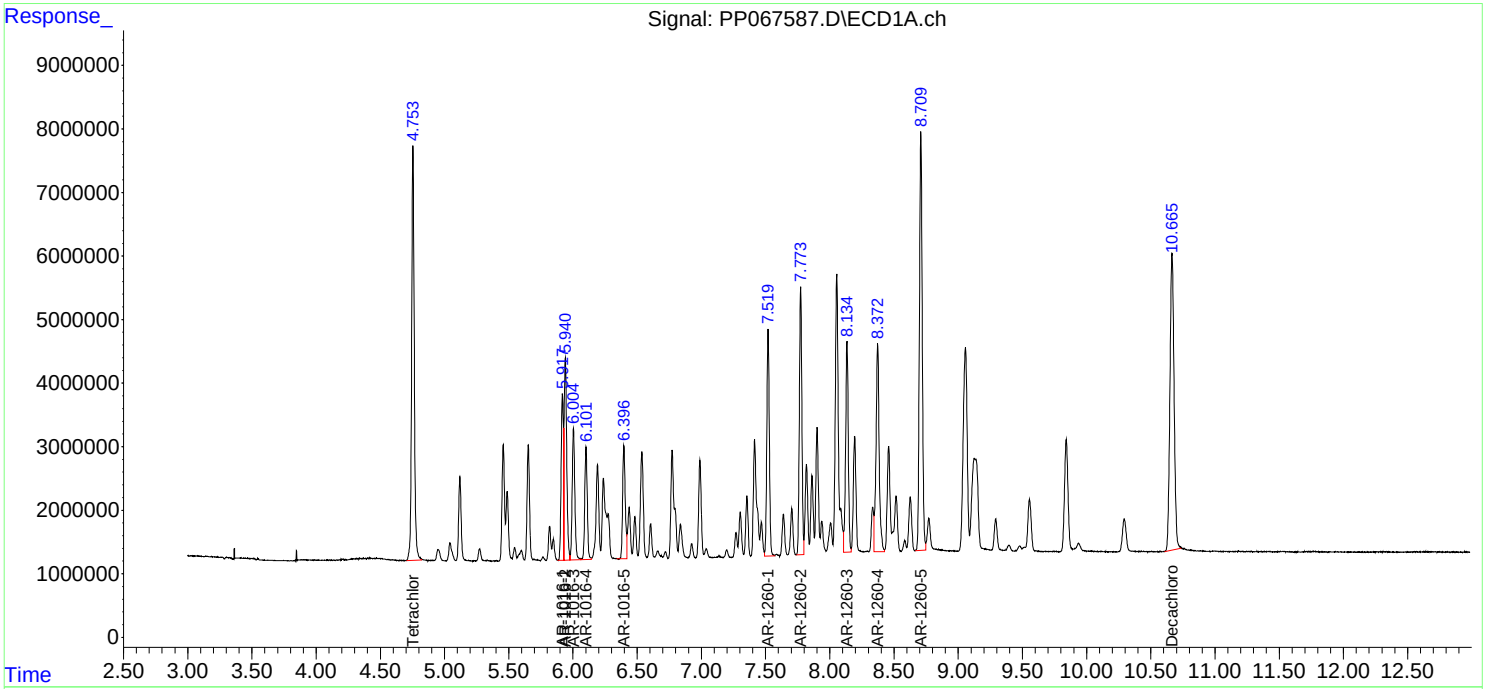
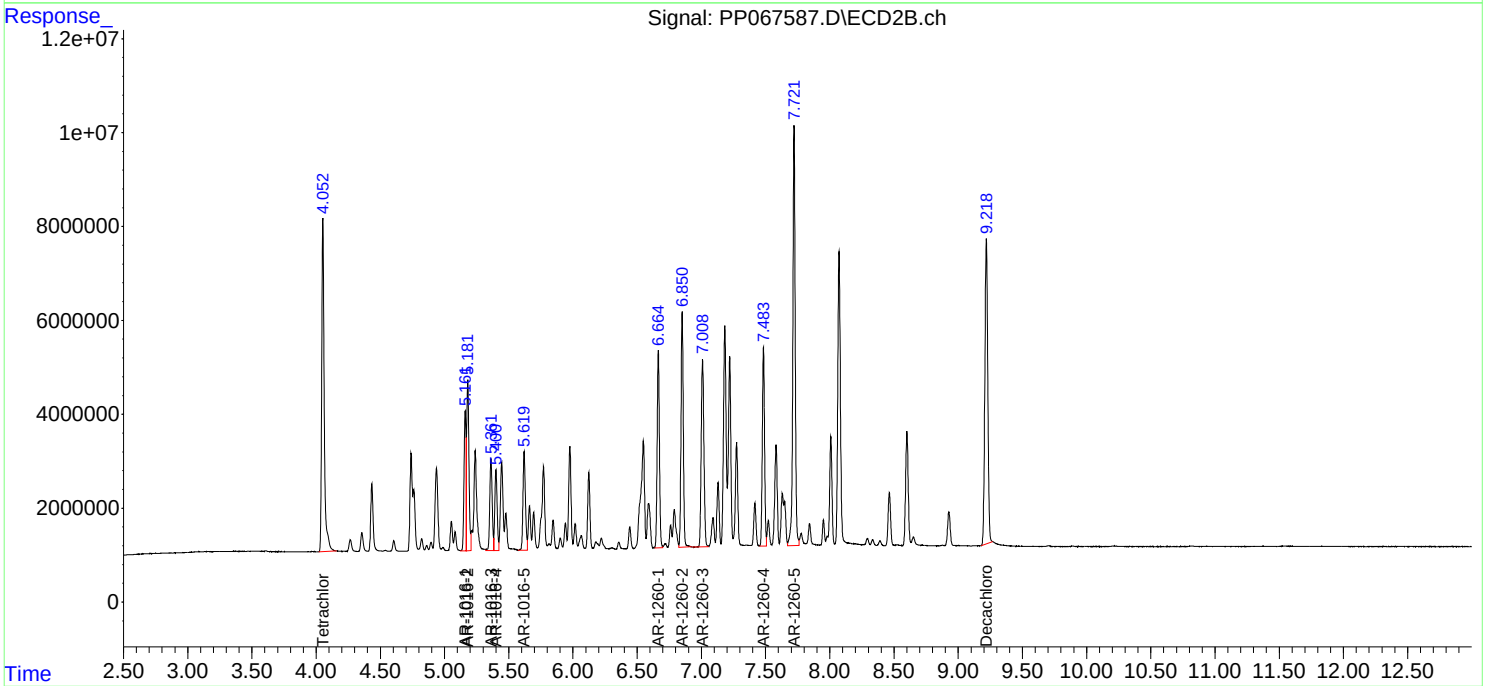
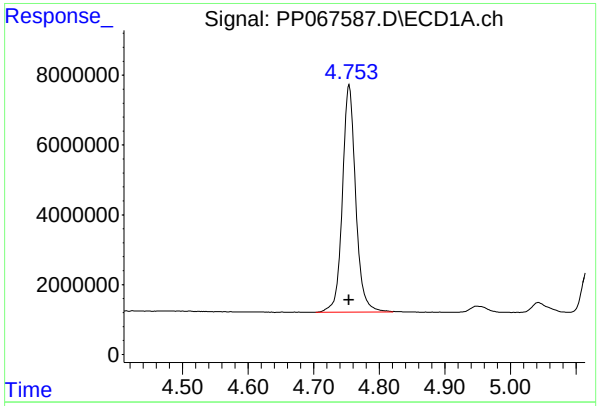
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



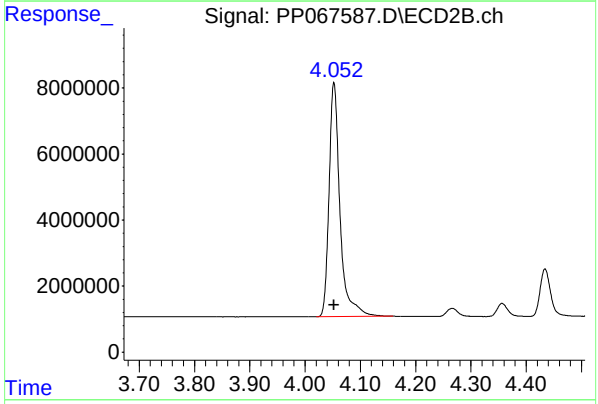






#1 Tetrachloro-m-xylene

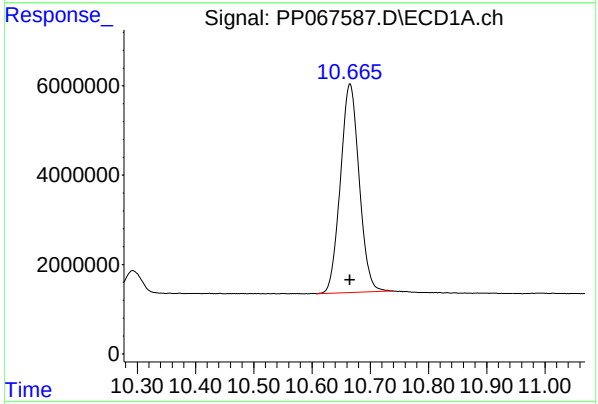
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 91838955
Conc: 97.30 ng/ml

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



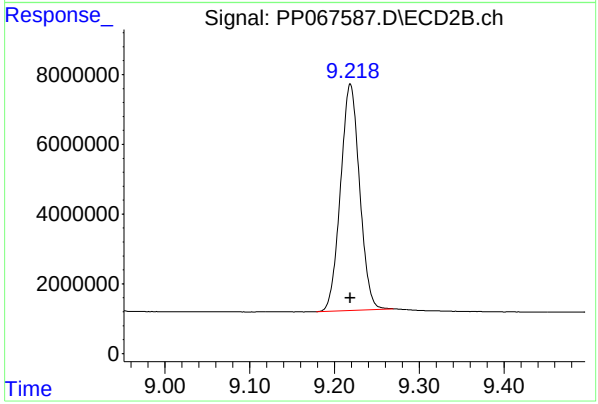

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 97630216
Conc: 96.93 ng/ml



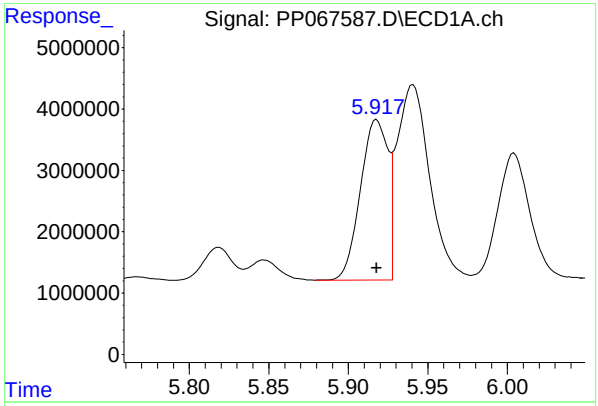

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 104757297
Conc: 94.77 ng/ml




#2 Decachlorobiphenyl

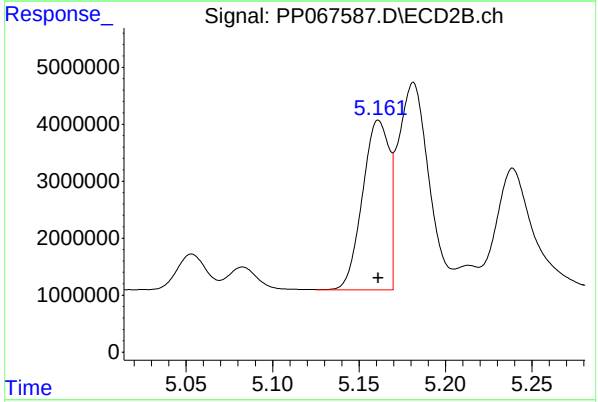
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 101669947
Conc: 95.40 ng/ml




#3 AR-1016-1

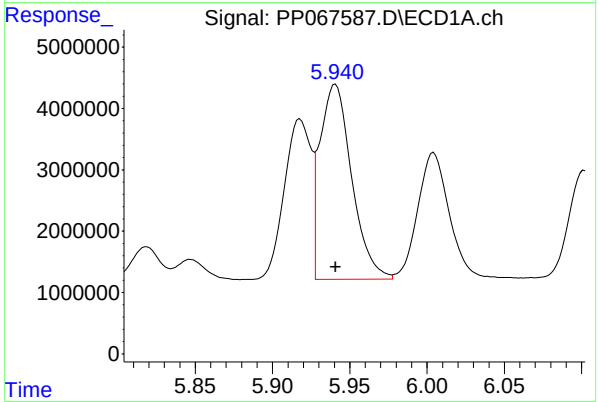
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 31263736
Conc: 955.20 ng/ml

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



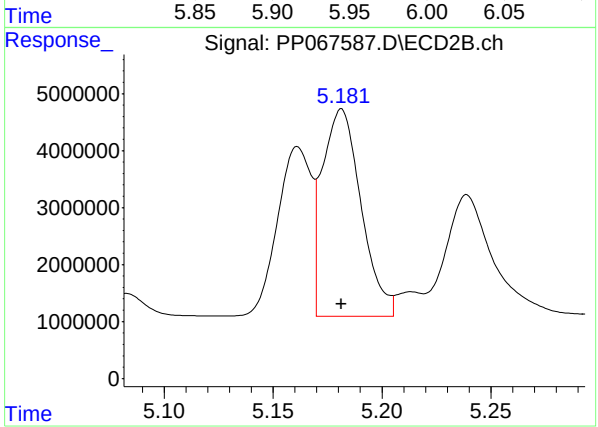

#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 32214100
Conc: 960.05 ng/ml



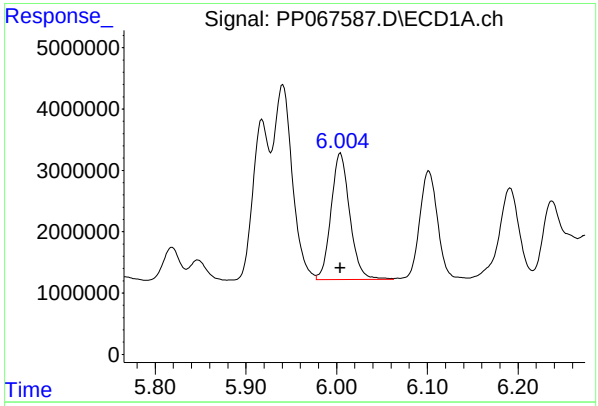

#4 AR-1016-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 45702590
Conc: 956.80 ng/ml




#4 AR-1016-2

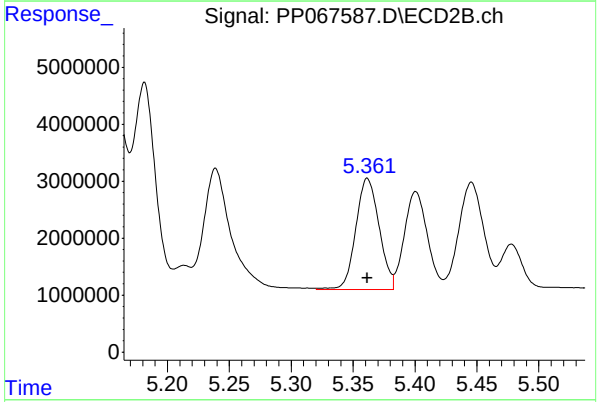
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 45072170
Conc: 961.19 ng/ml




#5 AR-1016-3

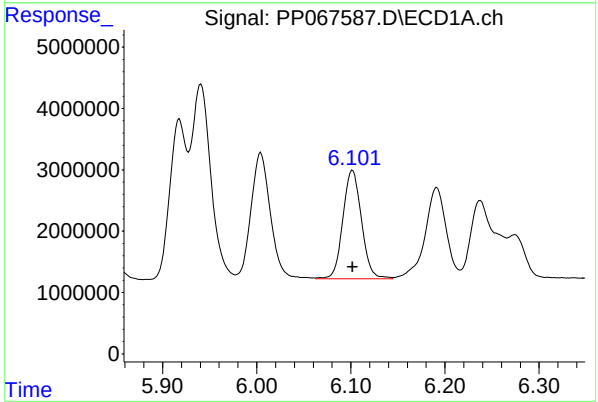
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 29655293
Conc: 953.90 ng/ml

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



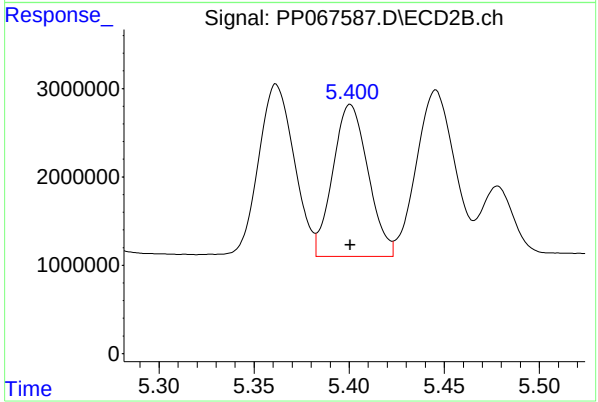

#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 25675074
Conc: 964.46 ng/ml



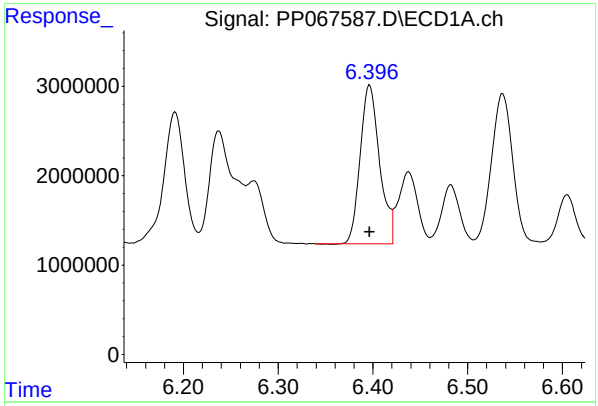

#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 24305642
Conc: 963.81 ng/ml




#6 AR-1016-4

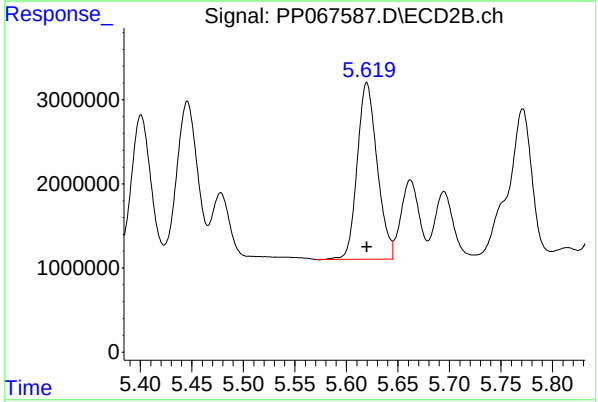
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 22207756
Conc: 951.28 ng/ml




#7 AR-1016-5

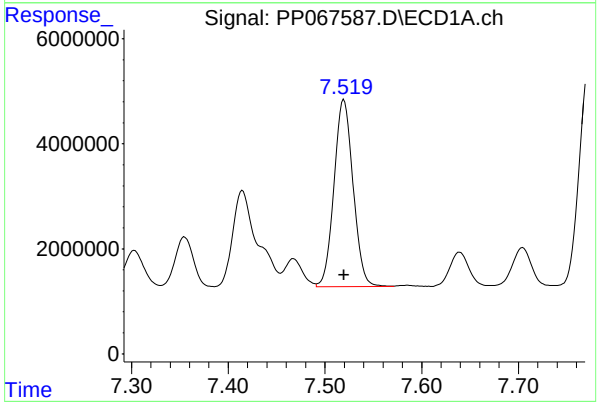
R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 25253642
Conc: 946.54 ng/ml

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



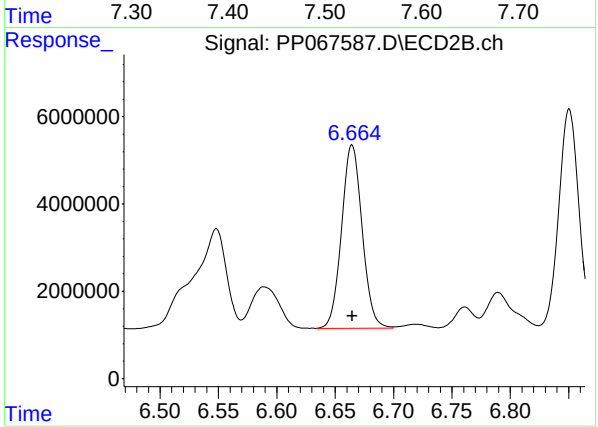

#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 28303958
Conc: 954.56 ng/ml



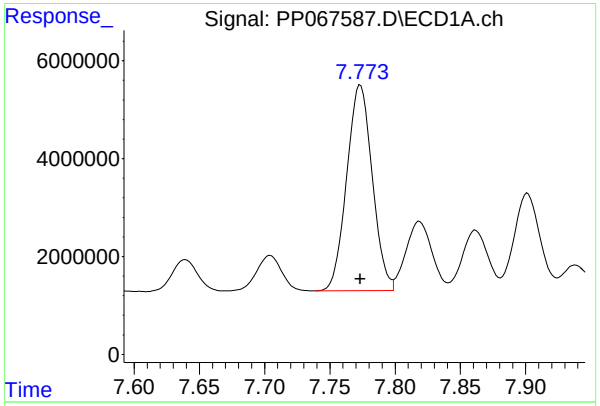

#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 48881600
Conc: 954.92 ng/ml




#31 AR-1260-1

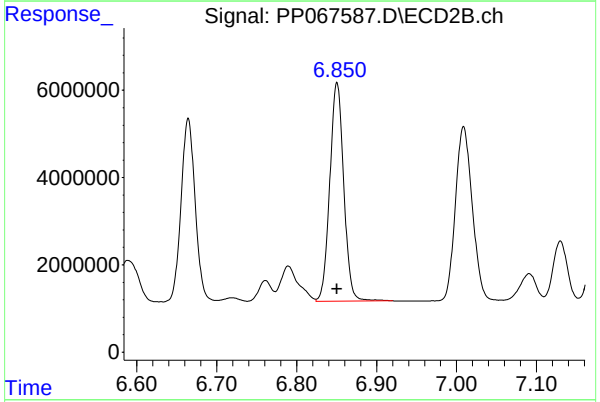
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 51490839
Conc: 950.56 ng/ml




#32 AR-1260-2

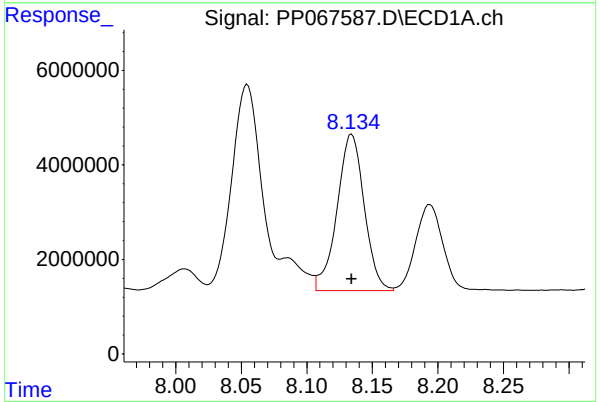
R.T.: 7.773 min
Delta R.T.: 0.000 mi
Response: 57303356
Conc: 954.68 ng/m

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



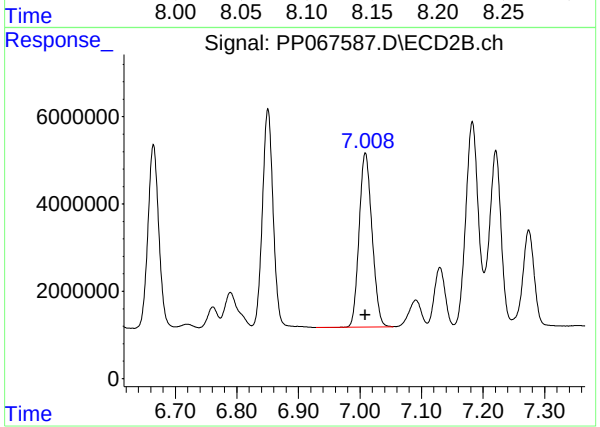

#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 60685581
Conc: 953.13 ng/ml



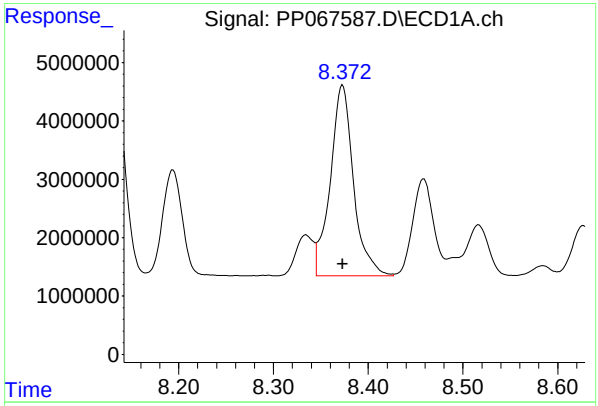

#33 AR-1260-3

R.T.: 8.134 min
Delta R.T.: 0.000 min
Response: 47767972
Conc: 951.17 ng/ml




#33 AR-1260-3

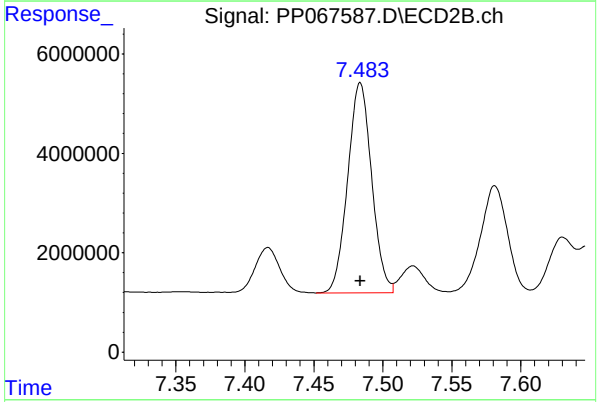
R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 58195863
Conc: 948.84 ng/ml




#34 AR-1260-4

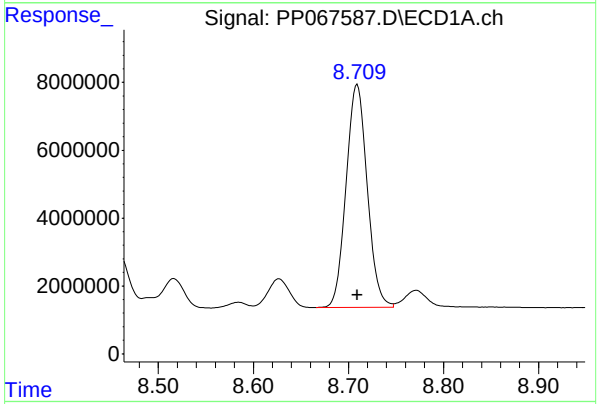
R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 55679811
Conc: 953.16 ng/ml

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



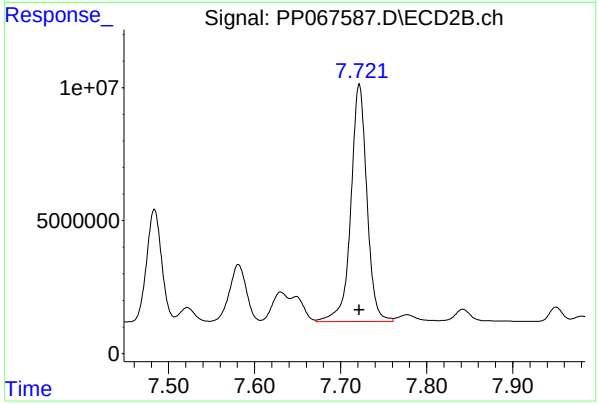

#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 51141777
Conc: 957.61 ng/ml




#35 AR-1260-5

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 101142428
Conc: 965.45 ng/ml




#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 115751172
Conc: 972.88 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067588.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:46
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: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 70323657 | 75208356 | 74.669 | 74.778 |
| 2) | SA Decachlor... | 10.667 | 9.219 | 81939100 | 79868410 | 74.418 | 74.960 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.160 | 24175021 | 25133615 | 742.375 | 749.360 |
| 4) | L1 AR-1016-2 | 5.940 | 5.181 | 35714746 | 35207978 | 748.466 | 750.554 |
| 5) | L1 AR-1016-3 | 6.004 | 5.362 | 23235527 | 20458247 | 748.263 | 762.228 |
| 6) | L1 AR-1016-4 | 6.102 | 5.401 | 18723849 | 17766215 | 744.964 | 757.315 |
| 7) | L1 AR-1016-5 | 6.397 | 5.620 | 19880996 | 22638296 | 746.772 | 758.938 |
| 31) | L7 AR-1260-1 | 7.520 | 6.664 | 38296970 | 40400914 | 748.760 | 747.217 |
| 32) | L7 AR-1260-2 | 7.773 | 6.851 | 44605284 | 47387900 | 745.407 | 746.177 |
| 33) | L7 AR-1260-3 | 8.135 | 7.009 | 37395428 | 45613565 | 746.408 | 745.783 |
| 34) | L7 AR-1260-4 | 8.373 | 7.484 | 43609757 | 39347608 | 747.686 | 741.126 |
| 35) | L7 AR-1260-5 | 8.710 | 7.722 | 77783279 | 88073766 | 744.965 | 743.472 |

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

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Data File : PP067588.D
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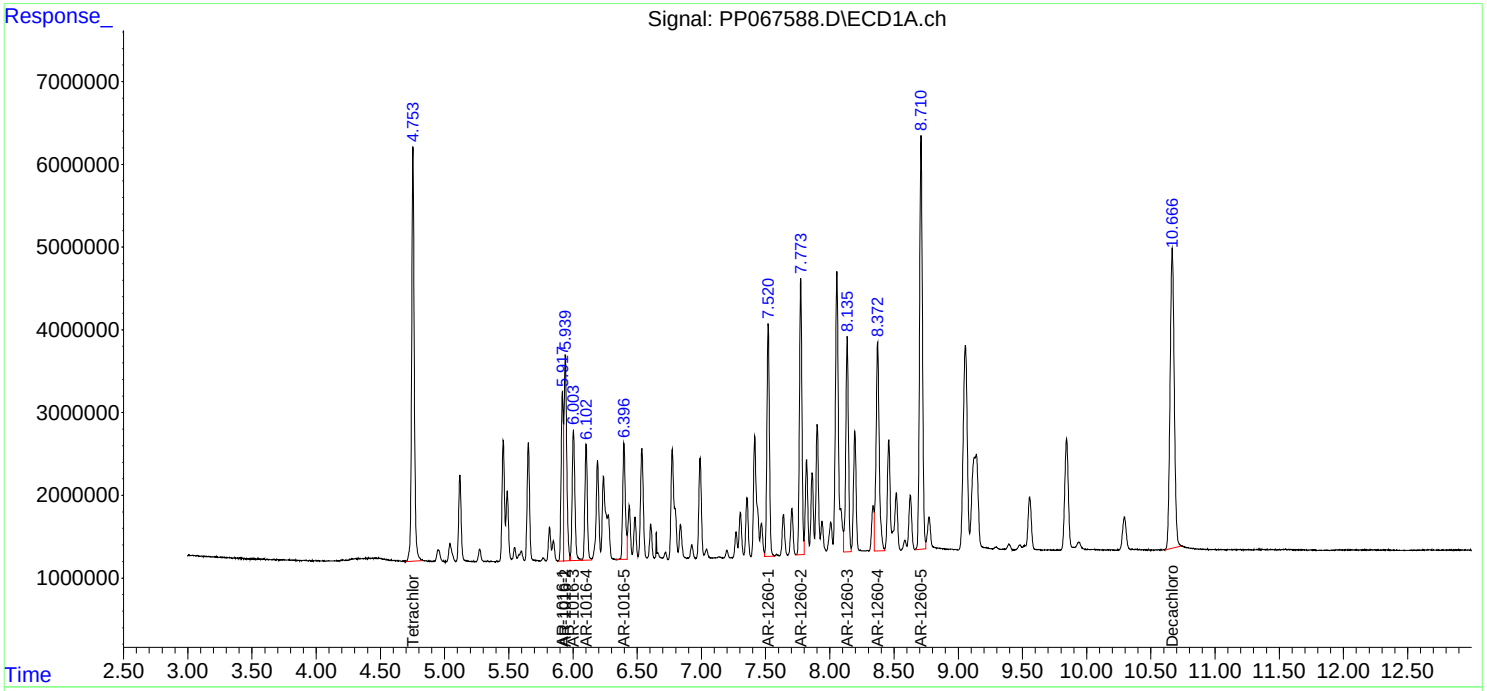
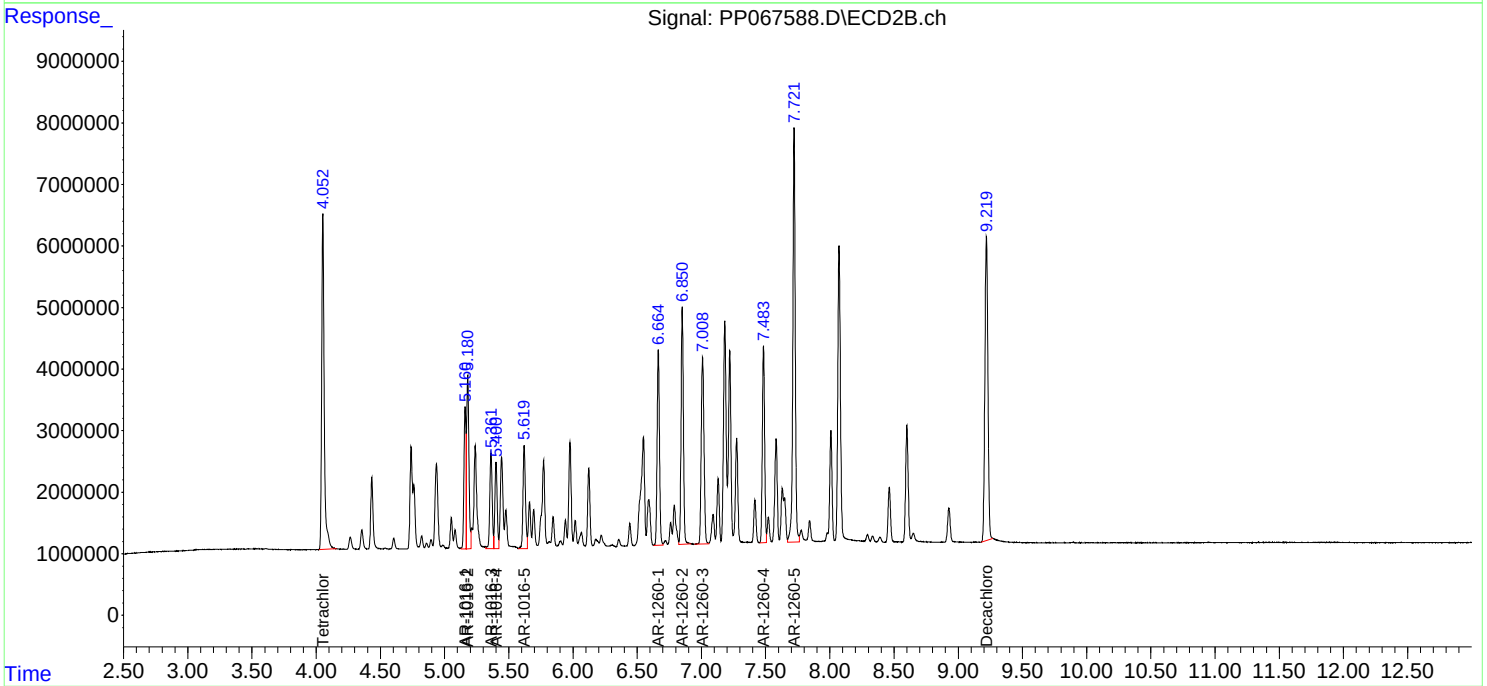
Acq On : 08 Oct 2024 16:46
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 4 Sample Multiplier: 1

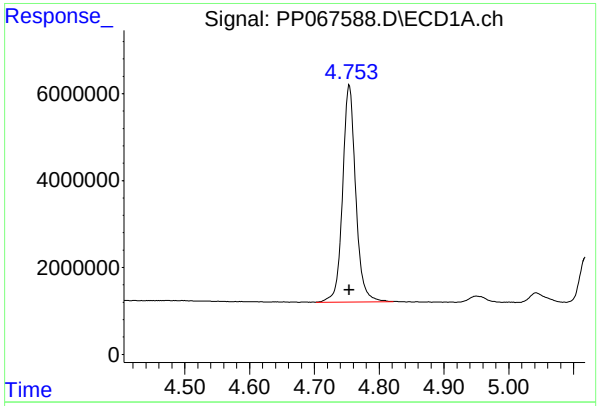
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:42:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



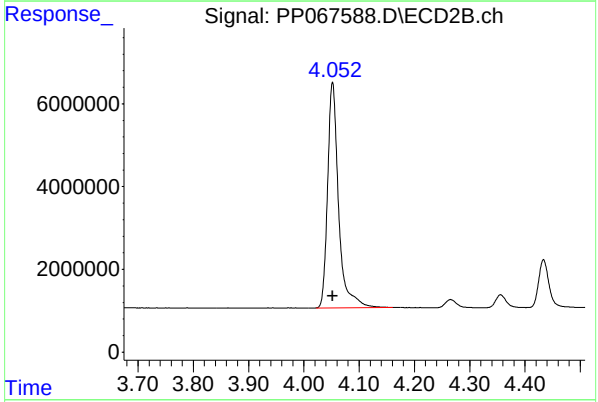






#1 Tetrachloro-m-xylene

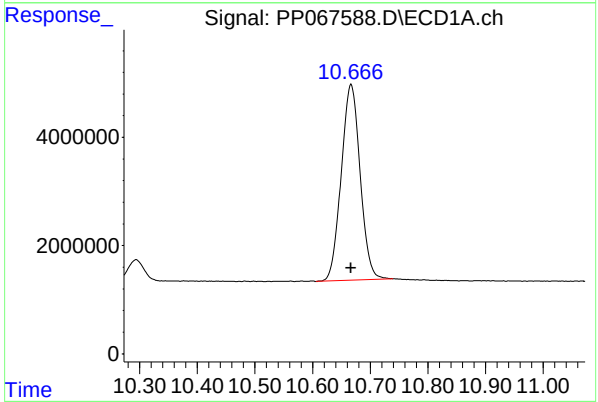
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 70323657
Conc: 74.67 ng/ml

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



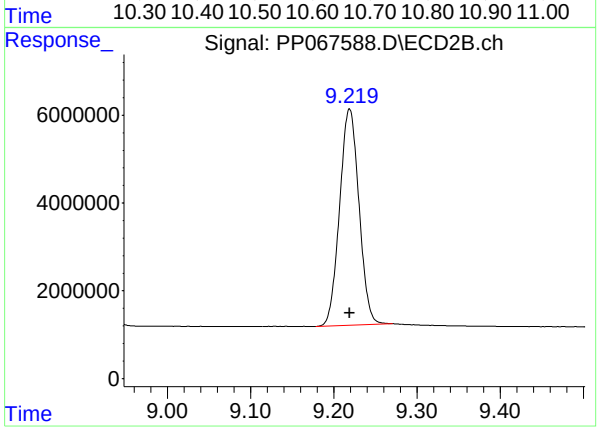

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 75208356
Conc: 74.78 ng/ml



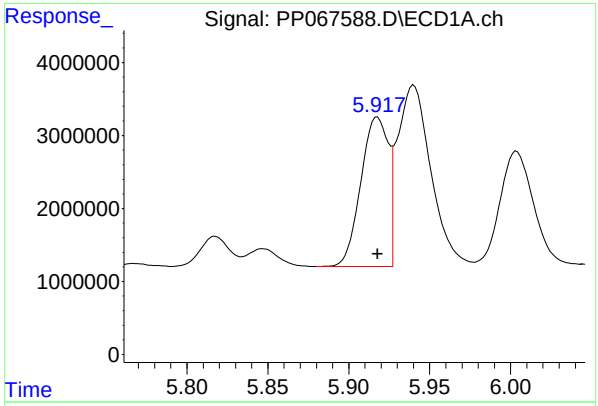

#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 81939100
Conc: 74.42 ng/ml




#2 Decachlorobiphenyl

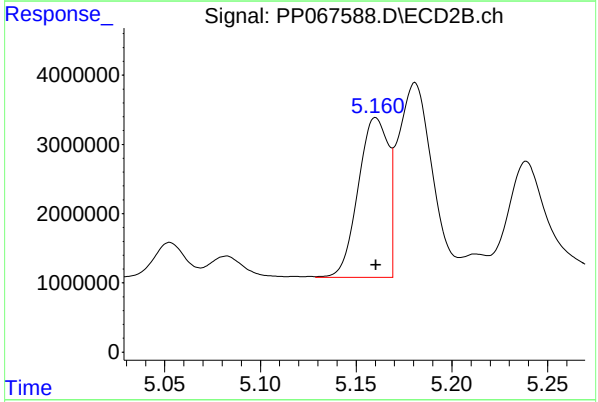
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 79868410
Conc: 74.96 ng/ml




#3 AR-1016-1

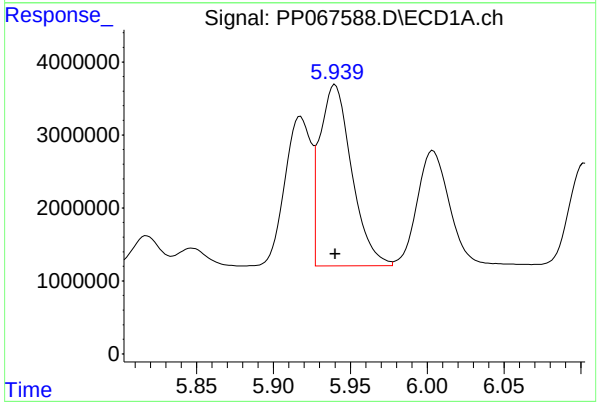
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 24175021
Conc: 742.38 ng/ml

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



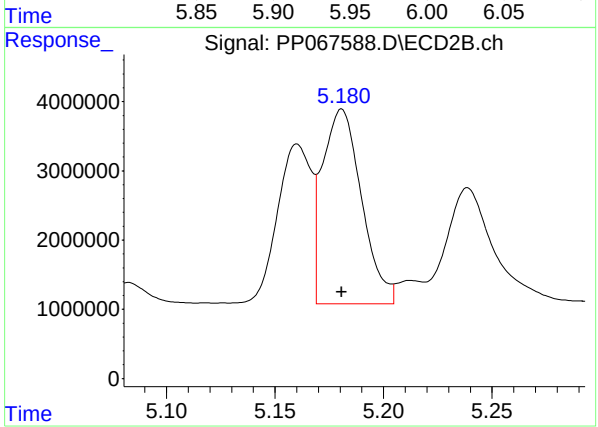

#3 AR-1016-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 25133615
Conc: 749.36 ng/ml



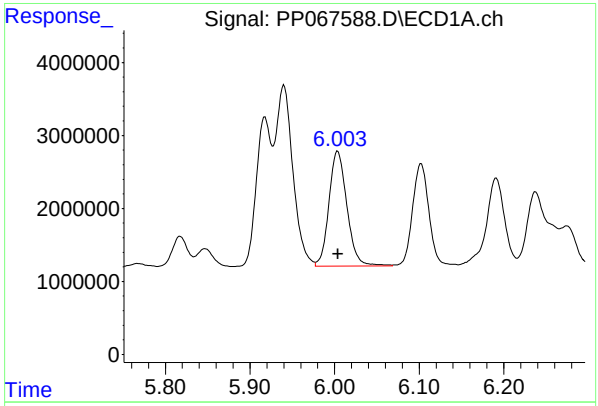

#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 35714746
Conc: 748.47 ng/ml




#4 AR-1016-2

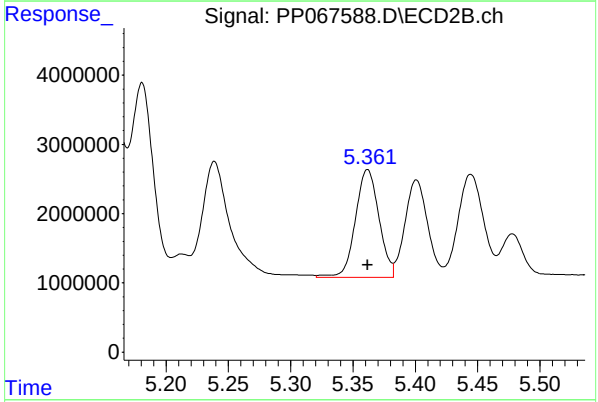
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 35207978
Conc: 750.55 ng/ml




#5 AR-1016-3

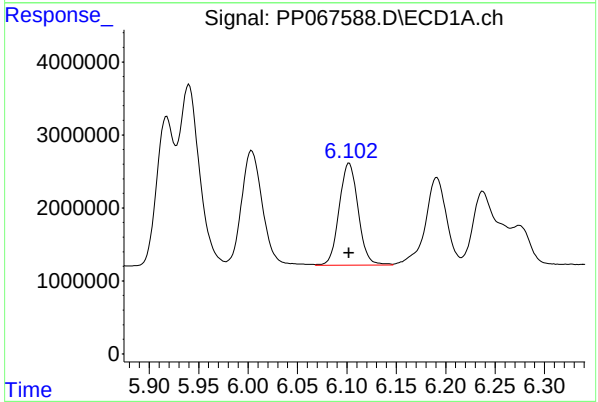
R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 23235527
Conc: 748.26 ng/ml

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



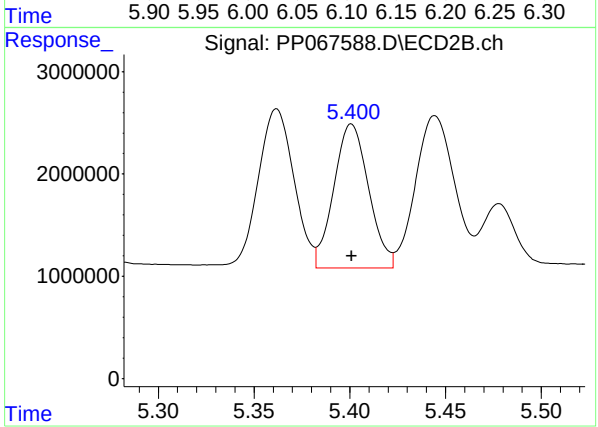

#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 20458247
Conc: 762.23 ng/ml



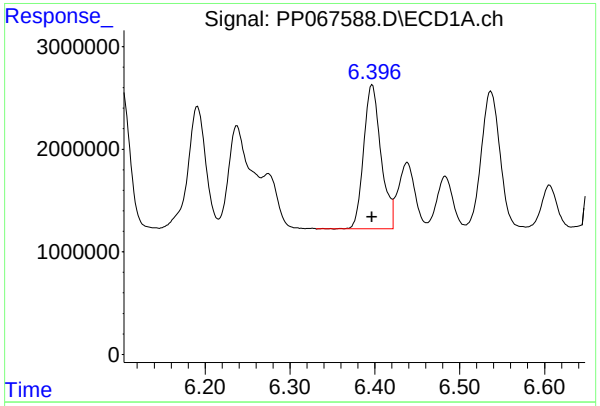

#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 18723849
Conc: 744.96 ng/ml




#6 AR-1016-4

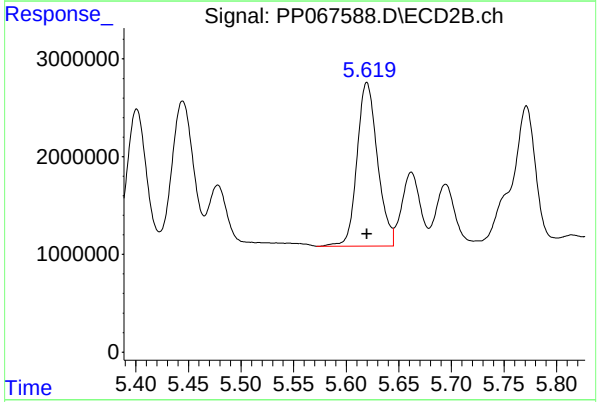
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 17766215
Conc: 757.31 ng/ml




#7 AR-1016-5

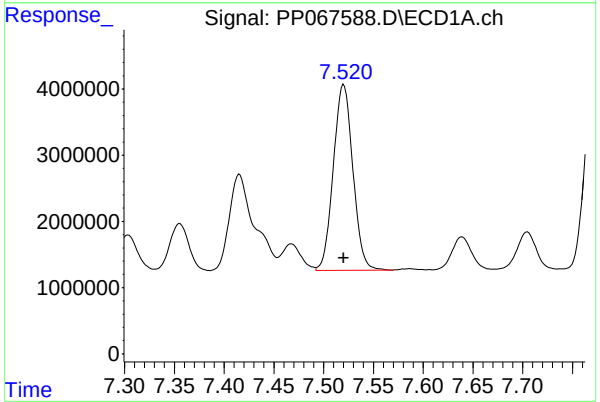
R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 19880996
Conc: 746.77 ng/ml

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



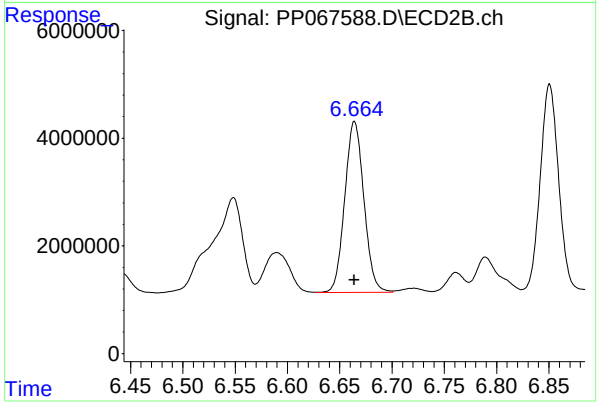

#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 22638296
Conc: 758.94 ng/ml



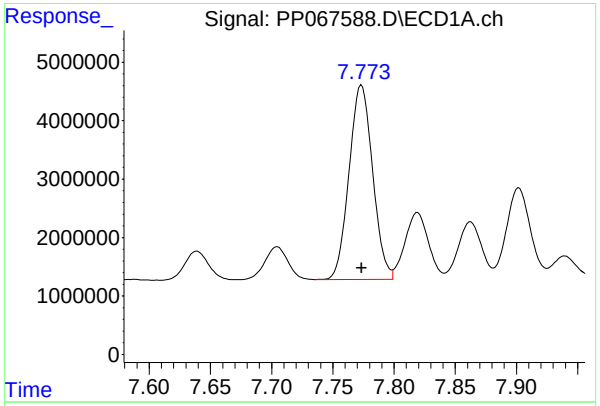

#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 38296970
Conc: 748.76 ng/ml




#31 AR-1260-1

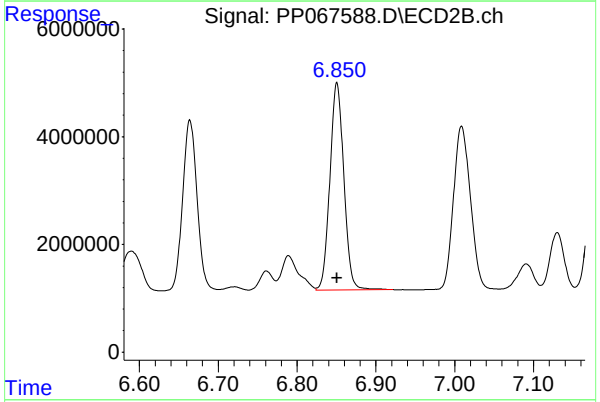
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 40400914
Conc: 747.22 ng/ml




#32 AR-1260-2

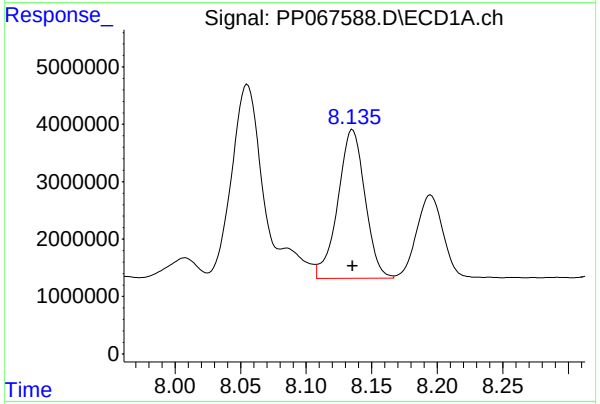
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 44605284
Conc: 745.41 ng/ml

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



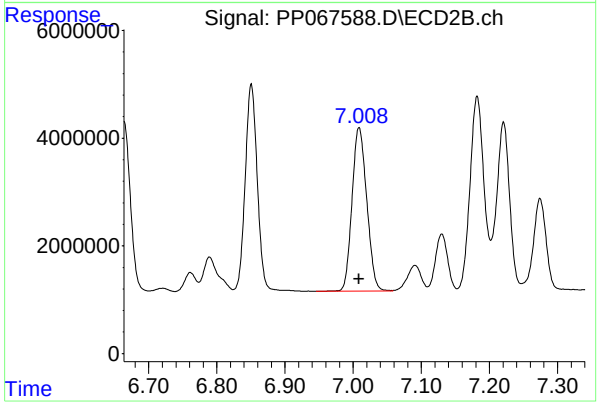

#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 47387900
Conc: 746.18 ng/ml



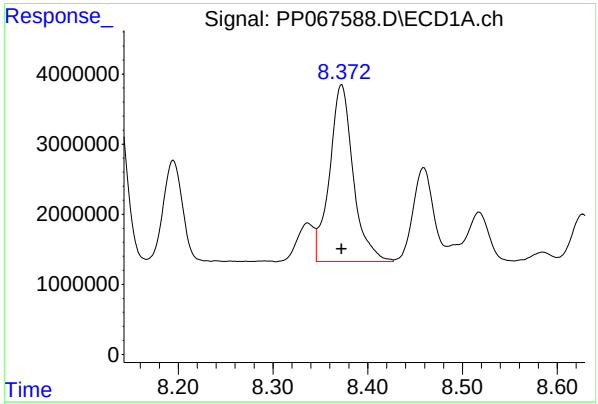

#33 AR-1260-3

R.T.: 8.135 min
Delta R.T.: 0.000 min
Response: 37395428
Conc: 746.41 ng/ml




#33 AR-1260-3

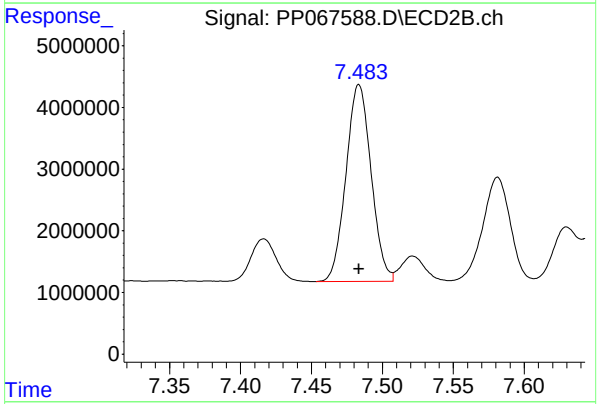
R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 45613565
Conc: 745.78 ng/ml




#34 AR-1260-4

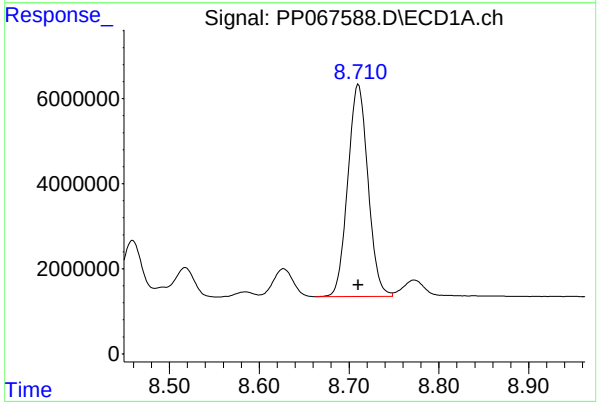
R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 43609757
Conc: 747.69 ng/ml

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



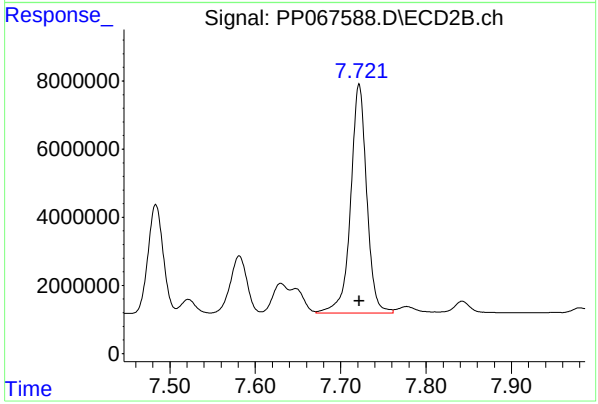

#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 39347608
Conc: 741.13 ng/ml




#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 77783279
Conc: 744.96 ng/ml




#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 88073766
Conc: 743.47 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
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: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.755 | 4.052 | 48468733 | 51909432 | 50.000 | 50.000 |
| 2) SA | Decachlor... | 10.669 | 9.219 | 58154431 | 55740893 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.919 | 5.161 | 17098086 | 17447388 | 500.000 | 500.000 |
| 4) L1 | AR-1016-2 | 5.942 | 5.181 | 24914801 | 24355921 | 500.000 | 500.000 |
| 5) L1 | AR-1016-3 | 6.005 | 5.362 | 16260933 | 13783722 | 500.000 | 500.000 |
| 6) L1 | AR-1016-4 | 6.103 | 5.401 | 13065451 | 12241213 | 500.000 | 500.000 |
| 7) L1 | AR-1016-5 | 6.398 | 5.620 | 14053069 | 15499204 | 500.000 | 500.000 |
| 31) L7 | AR-1260-1 | 7.522 | 6.664 | 26748646 | 28423465 | 500.000 | 500.000 |
| 32) L7 | AR-1260-2 | 7.775 | 6.850 | 31371778 | 33326673 | 500.000 | 500.000 |
| 33) L7 | AR-1260-3 | 8.137 | 7.008 | 26336481 | 32235992 | 500.000 | 500.000 |
| 34) L7 | AR-1260-4 | 8.375 | 7.483 | 30576350 | 27834870 | 500.000 | 500.000 |
| 35) L7 | AR-1260-5 | 8.712 | 7.722 | 54191257 | 61102763 | 500.000 | 500.000 |

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

Quantitation Report (QT Reviewed)

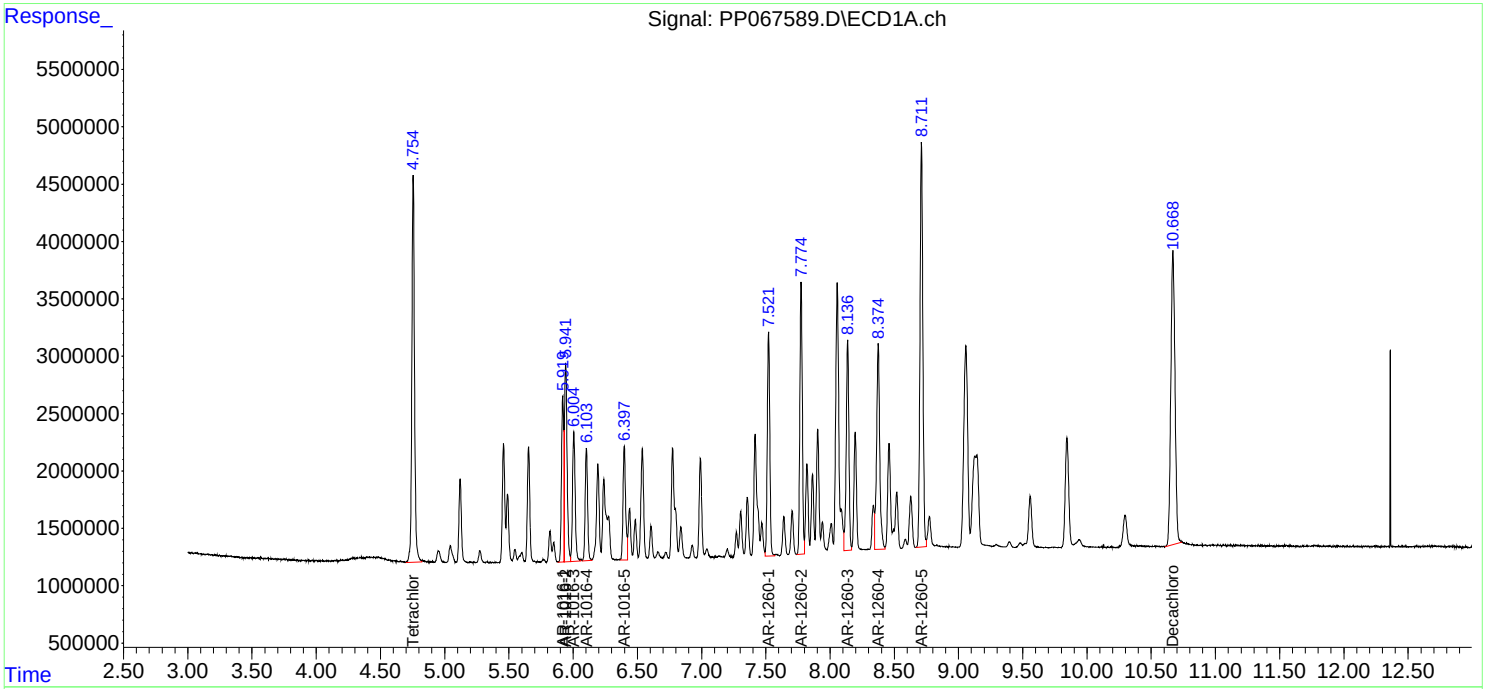
ICAL Form

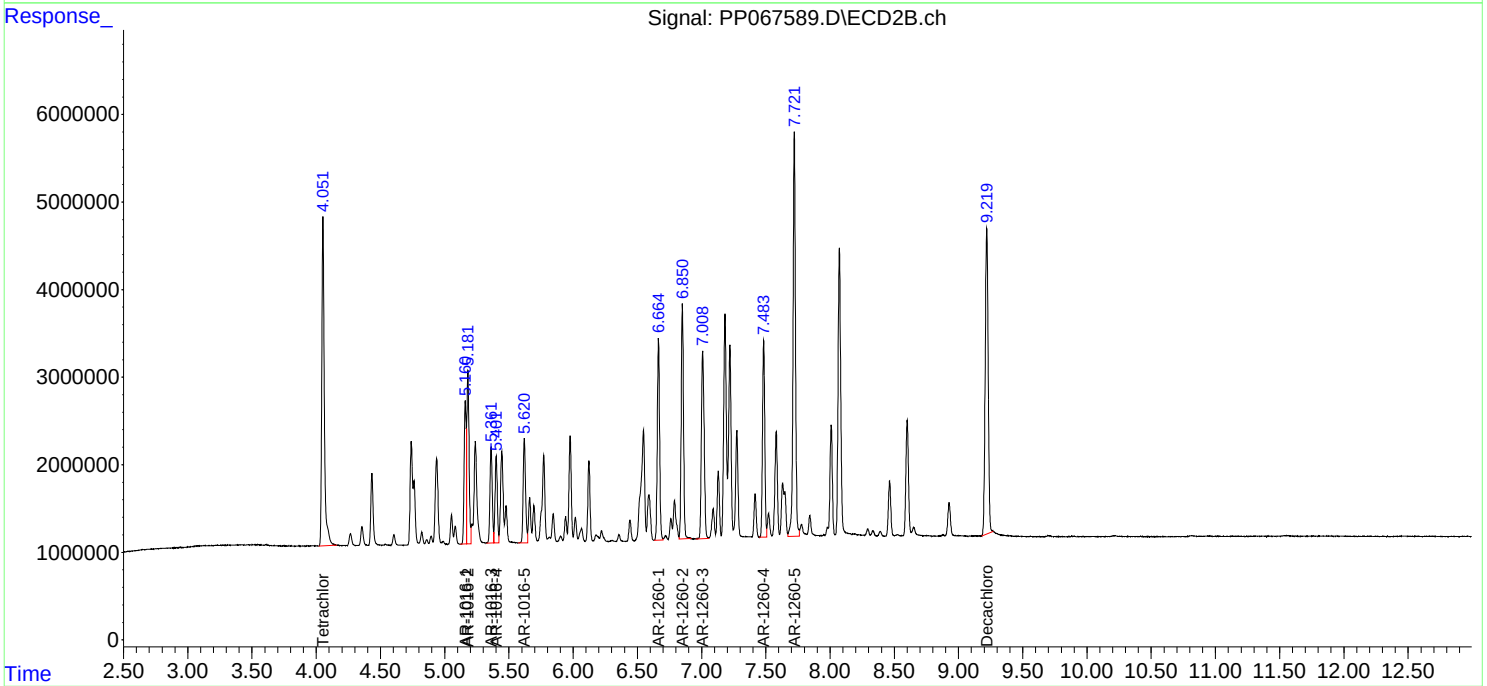
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:02
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 5 Sample Multiplier: 1

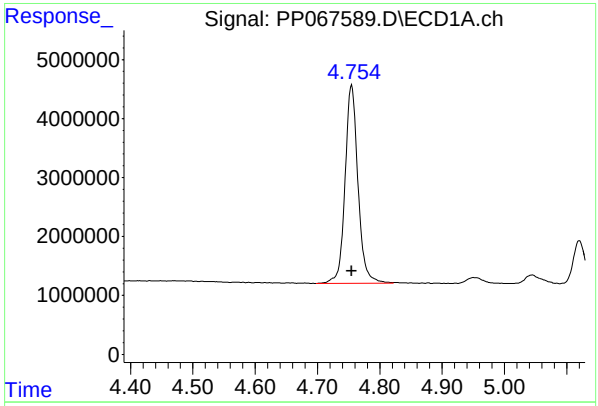
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:35:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



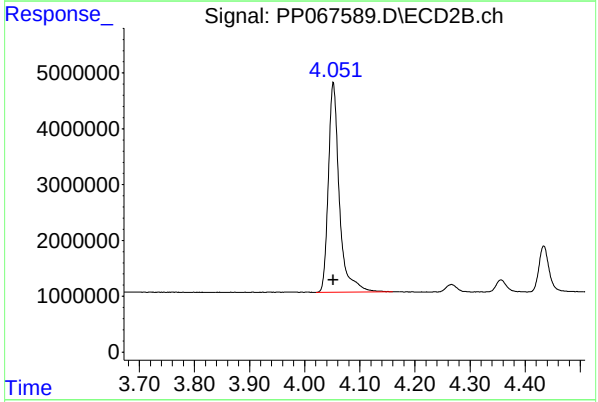






#1 Tetrachloro-m-xylene

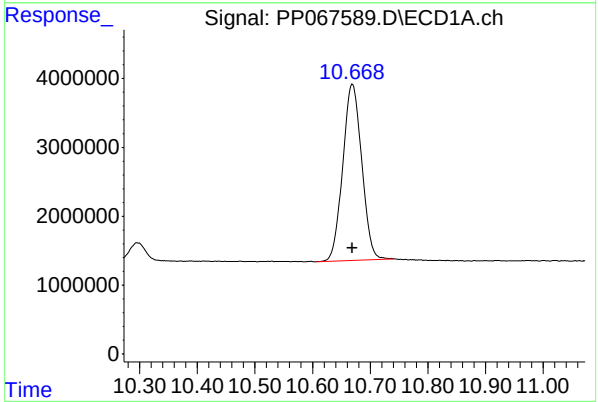
R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 48468733
Conc: 50.00 ng/ml

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



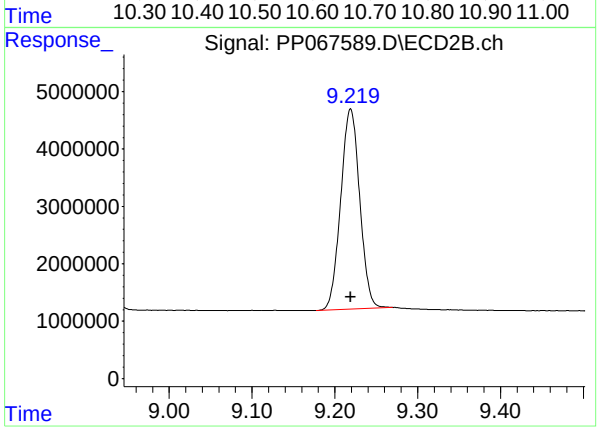

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51909432
Conc: 50.00 ng/ml



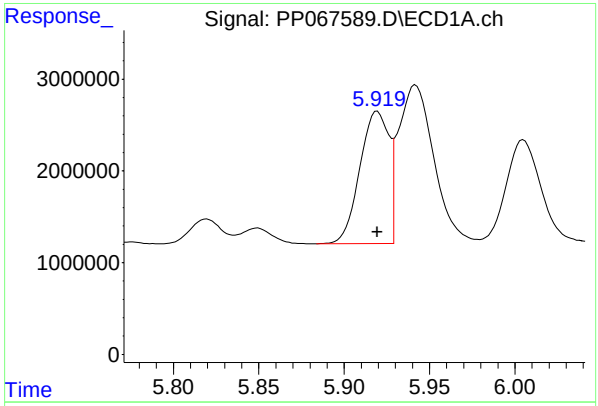

#2 Decachlorobiphenyl

R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 58154431
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

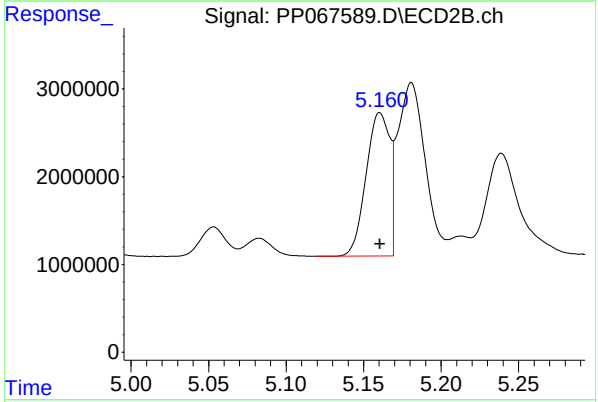
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 55740893
Conc: 50.00 ng/ml




#3 AR-1016-1

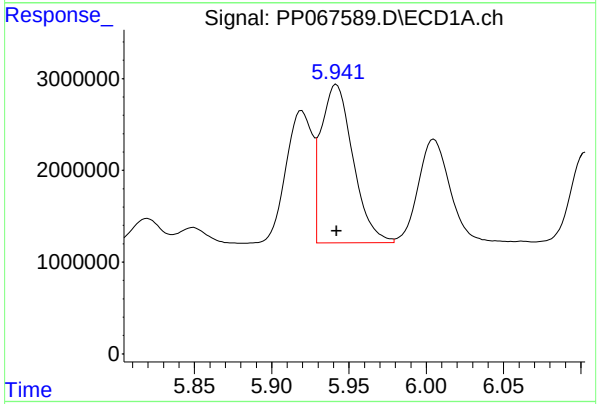
R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 17098086
Conc: 500.00 ng/ml

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



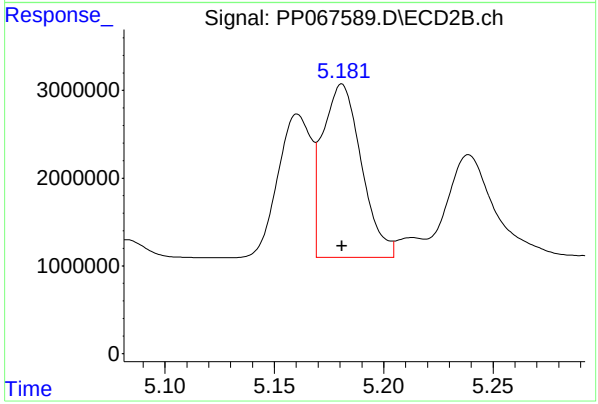

#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 17447388
Conc: 500.00 ng/ml



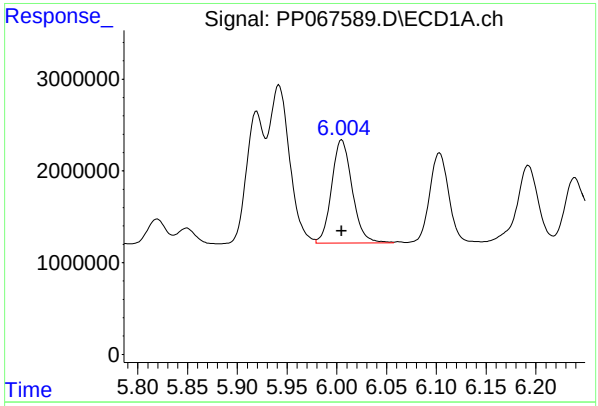

#4 AR-1016-2

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 24914801
Conc: 500.00 ng/ml




#4 AR-1016-2

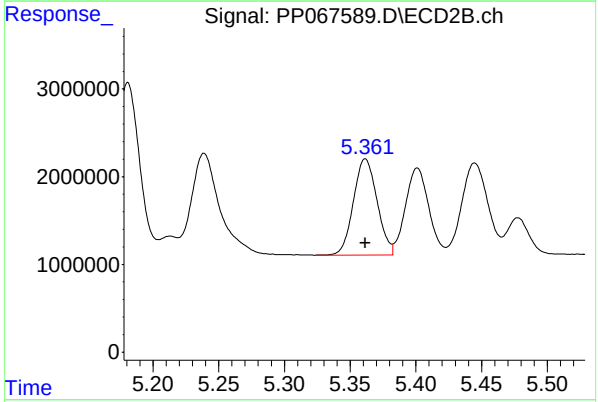
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 24355921
Conc: 500.00 ng/ml




#5 AR-1016-3

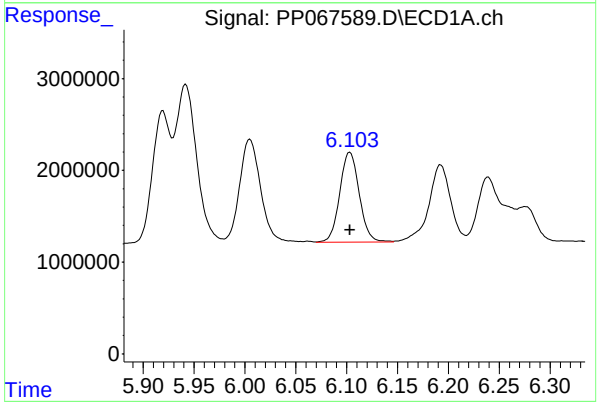
R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 16260933
Conc: 500.00 ng/ml

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



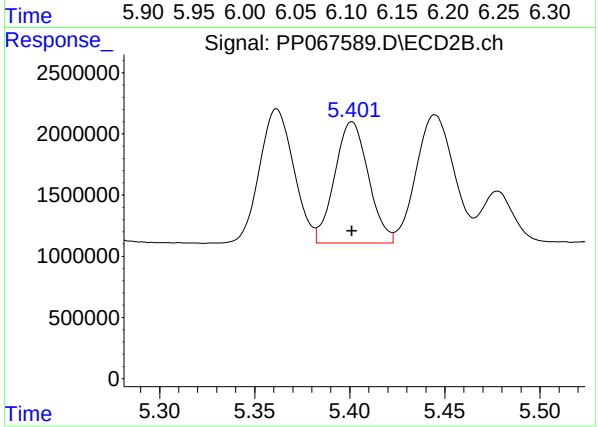

#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 13783722
Conc: 500.00 ng/ml



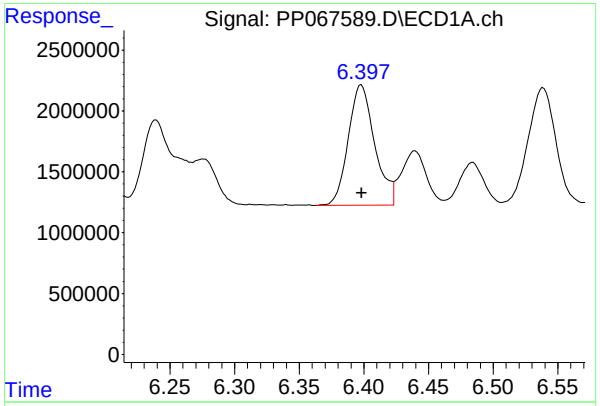

#6 AR-1016-4

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 13065451
Conc: 500.00 ng/ml




#6 AR-1016-4

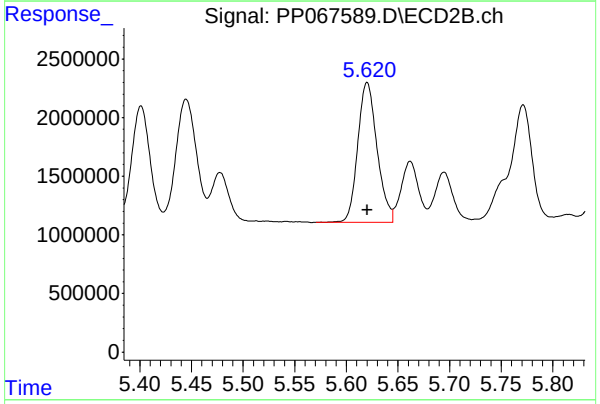
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 12241213
Conc: 500.00 ng/ml




#7 AR-1016-5

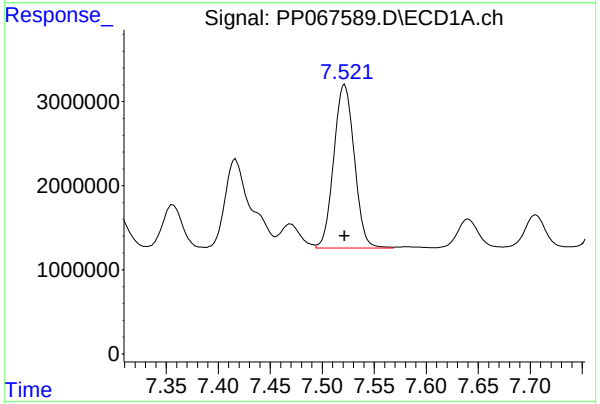
R.T.: 6.398 min
Delta R.T.: 0.000 min
Response: 14053069
Conc: 500.00 ng/ml

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



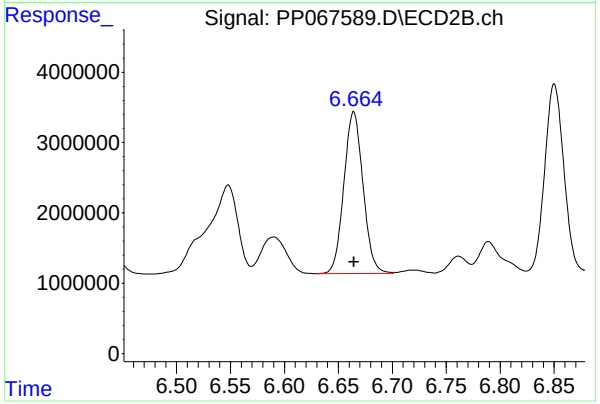

#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 15499204
Conc: 500.00 ng/ml



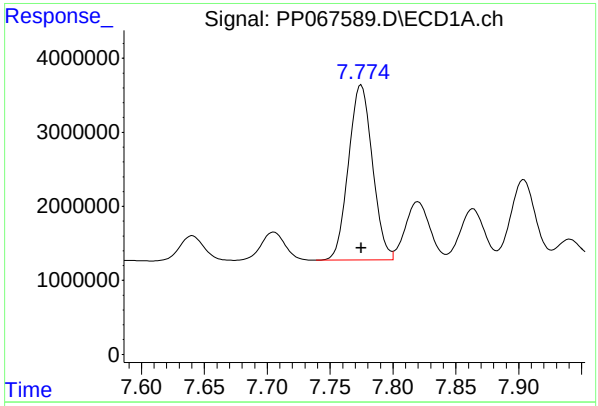

#31 AR-1260-1

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 26748646
Conc: 500.00 ng/ml




#31 AR-1260-1

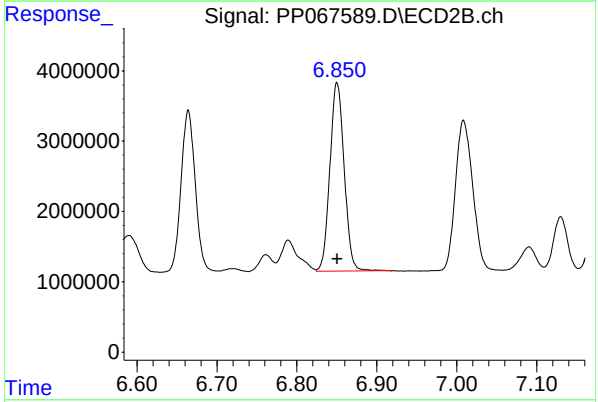
R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 28423465
Conc: 500.00 ng/ml




#32 AR-1260-2

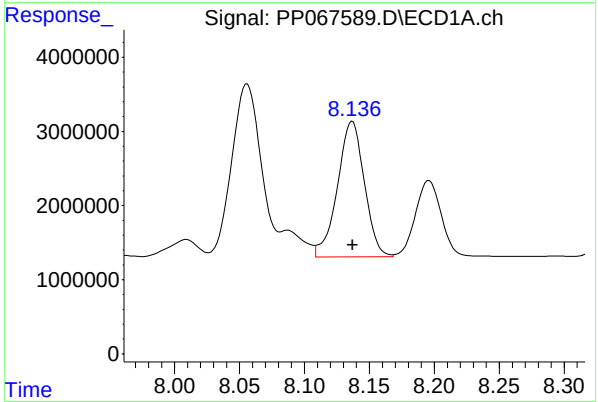
R.T.: 7.775 min
Delta R.T.: 0.000 min
Response: 31371778
Conc: 500.00 ng/ml

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



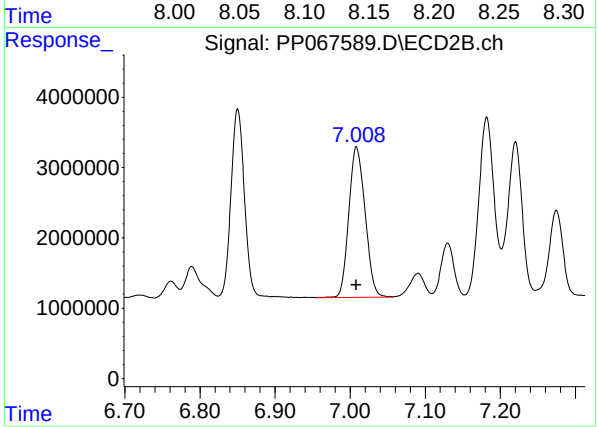

#32 AR-1260-2

R.T.: 6.850 min
Delta R.T.: 0.000 min
Response: 33326673
Conc: 500.00 ng/ml



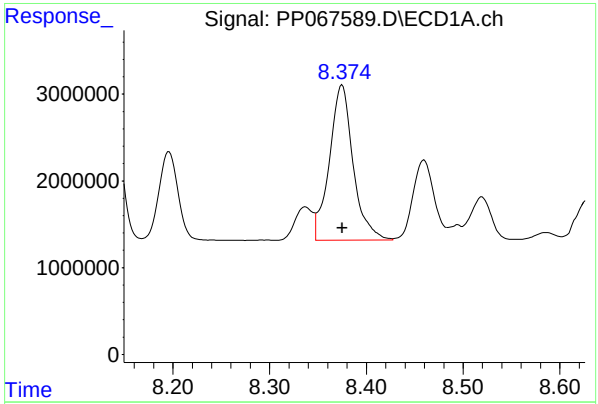

#33 AR-1260-3

R.T.: 8.137 min
Delta R.T.: 0.000 min
Response: 26336481
Conc: 500.00 ng/ml




#33 AR-1260-3

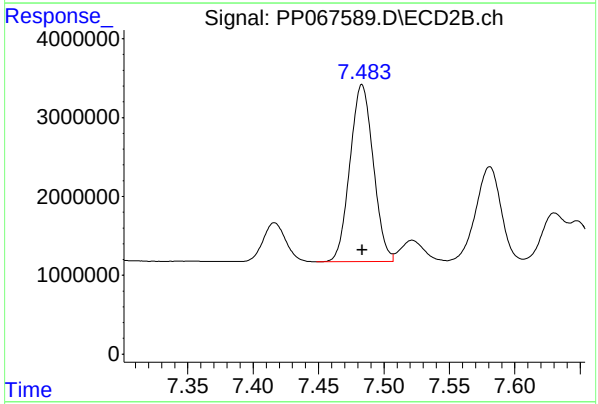
R.T.: 7.008 min
Delta R.T.: 0.000 min
Response: 32235992
Conc: 500.00 ng/ml




#34 AR-1260-4

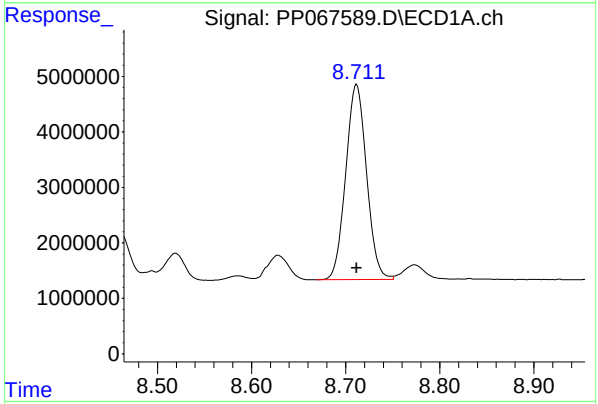
R.T.: 8.375 min
Delta R.T.: 0.000 min
Response: 30576350
Conc: 500.00 ng/ml

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



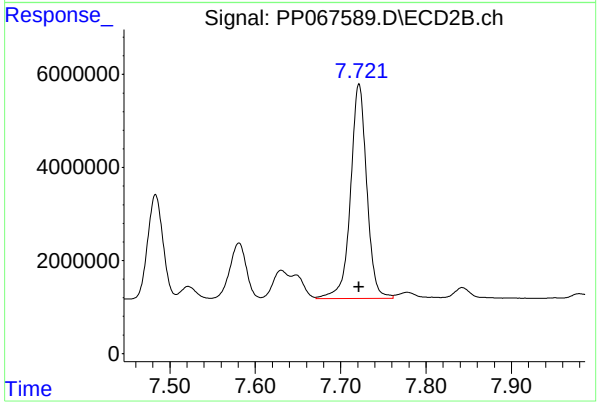

#34 AR-1260-4

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 27834870
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 8.712 min
Delta R.T.: 0.000 min
Response: 54191257
Conc: 500.00 ng/ml




#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 61102763
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.754 | 4.052 | 24449136 | 27156481 | 25.713 | 26.471 |
| 2) SA | Decachlor... | 10.667 | 9.219 | 31812344 | 30378918 | 27.810 | 27.545 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.918 | 5.161 | 9055321 | 9463755 | 270.481 | 273.370 |
| 4) L1 | AR-1016-2 | 5.940 | 5.181 | 13304120 | 13044437 | 271.003 | 270.483 |
| 5) L1 | AR-1016-3 | 6.004 | 5.362 | 8636467 | 7128613 | 270.516 | 261.517 |
| 6) L1 | AR-1016-4 | 6.102 | 5.401 | 6870142 | 6439676 | 267.107 | 267.937 |
| 7) L1 | AR-1016-5 | 6.397 | 5.620 | 7389125 | 8015561 | 270.109 | 262.746m |
| 31) L7 | AR-1260-1 | 7.520 | 6.664 | 15047489 | 15673375 | 281.747 | 278.763 |
| 32) L7 | AR-1260-2 | 7.774 | 6.851 | 17224004 | 18293992 | 277.341 | 277.498 |
| 33) L7 | AR-1260-3 | 8.135 | 7.010 | 14268955 | 17271160 | 275.227 | 273.526 |
| 34) L7 | AR-1260-4 | 8.373 | 7.484 | 16575744 | 15053418 | 274.795 | 274.336 |
| 35) L7 | AR-1260-5 | 8.710 | 7.722 | 29040541 | 32010485 | 270.523 | 264.861 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:19
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 6 Sample Multiplier: 1

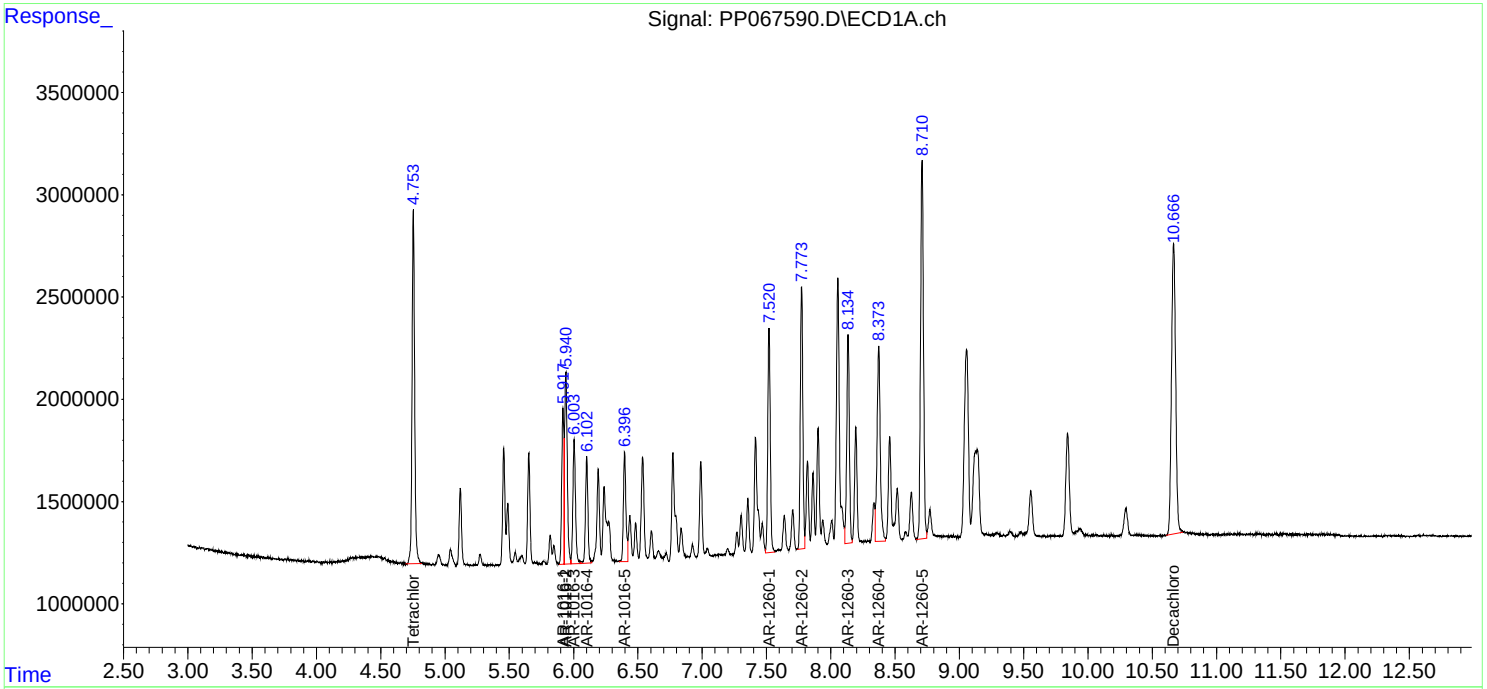
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC250

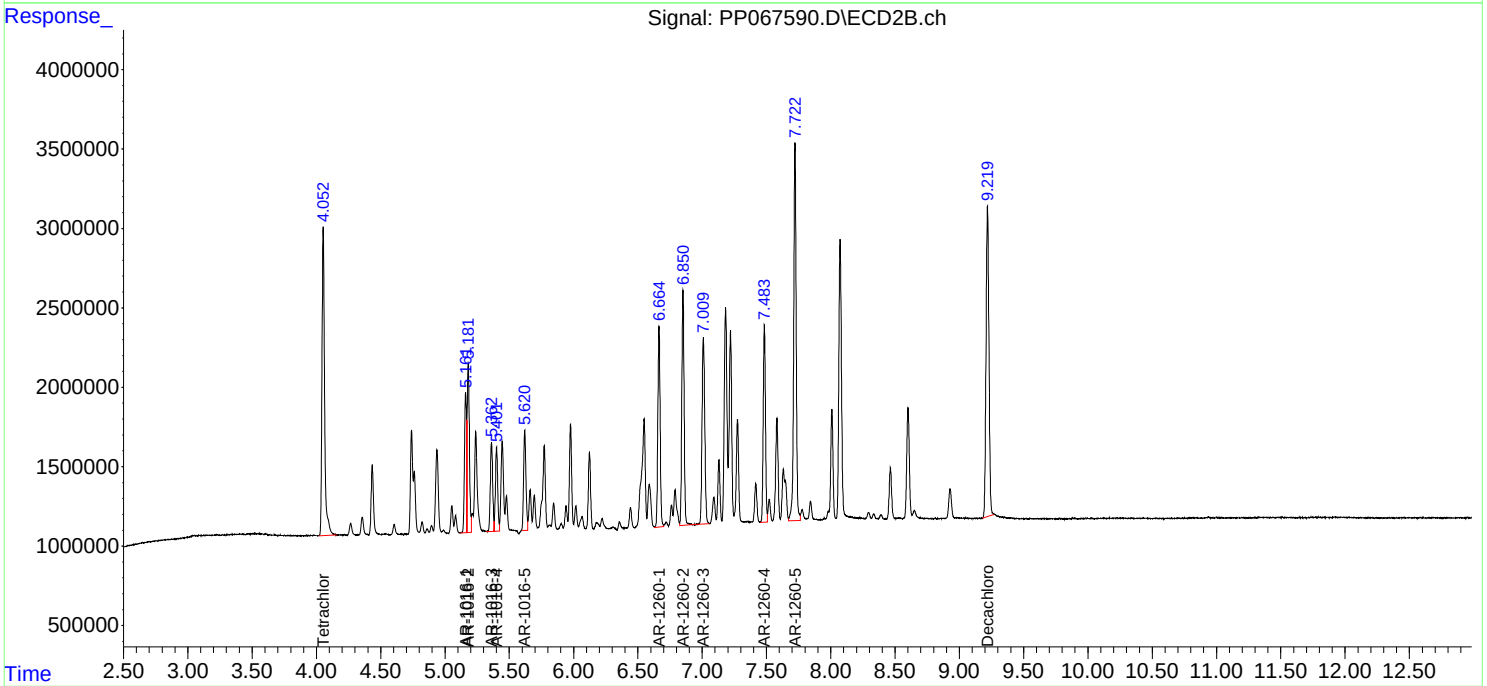
**Manual Integrations APPROVED**

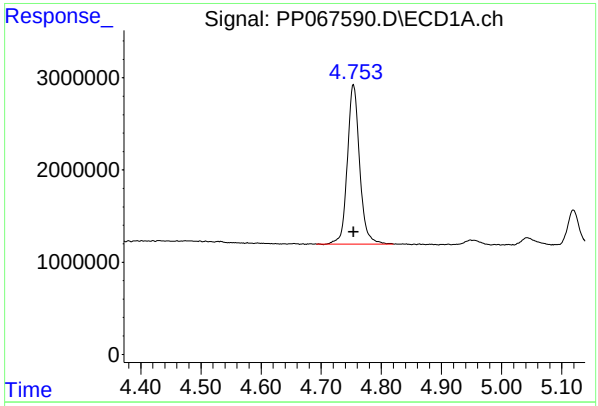
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:44:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





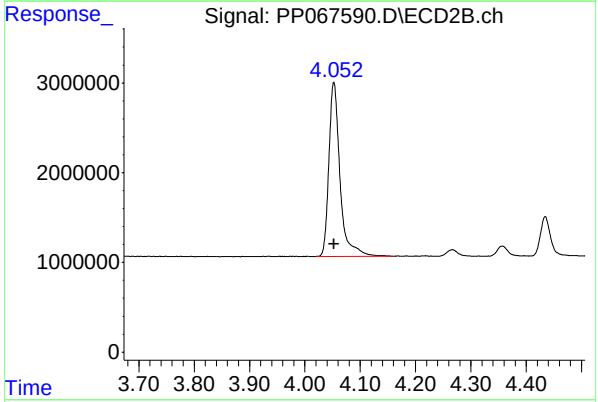

#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24449136
Conc: 25.71 ng/ml

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

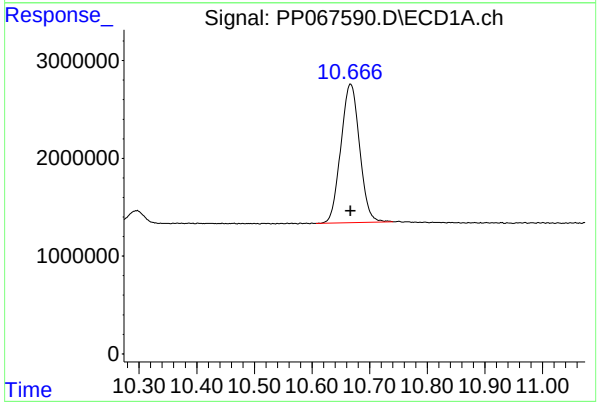
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



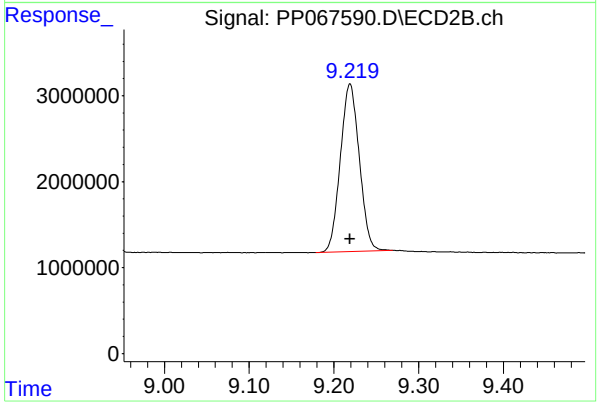

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 27156481
Conc: 26.47 ng/ml



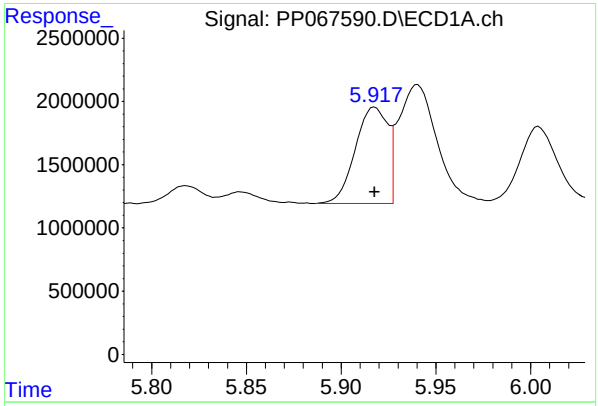

#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 31812344
Conc: 27.81 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 30378918
Conc: 27.54 ng/ml



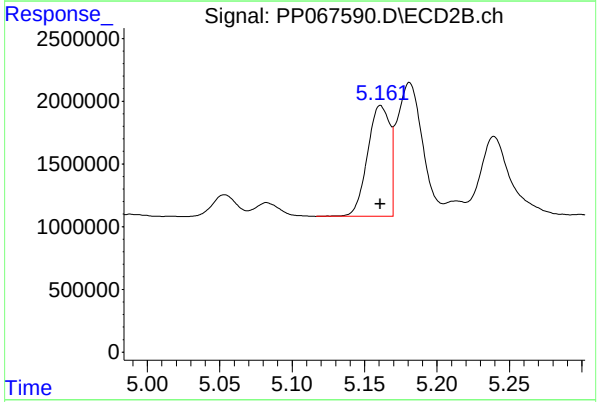

#3 AR-1016-1

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 9055321
Conc: 270.48 ng/ml

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

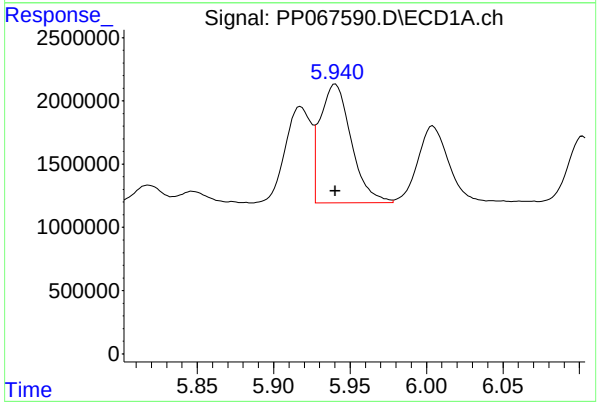
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



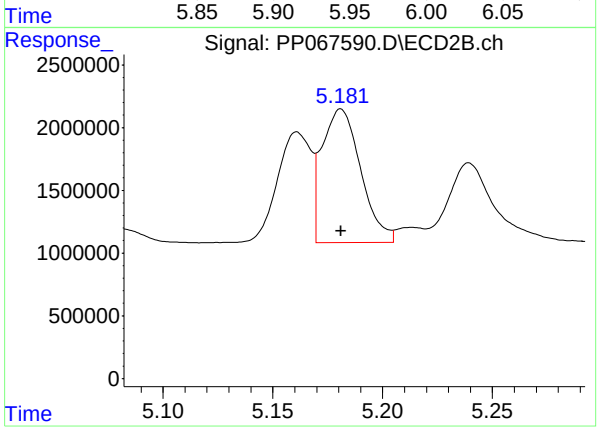

#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 9463755
Conc: 273.37 ng/ml



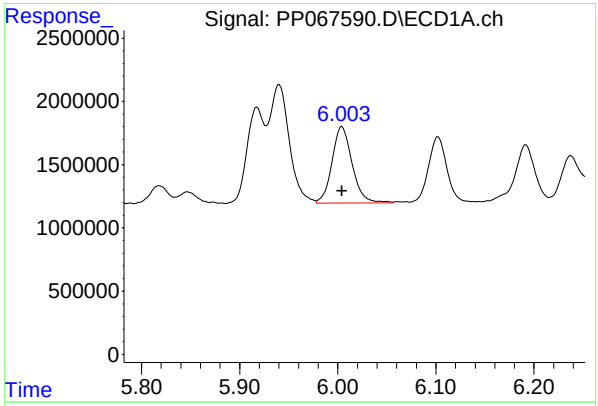

#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 13304120
Conc: 271.00 ng/ml




#4 AR-1016-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 13044437
Conc: 270.48 ng/ml



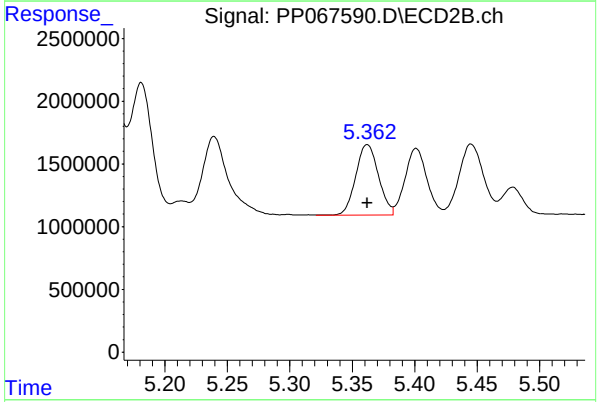

#5 AR-1016-3

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 8636467
Conc: 270.52 ng/ml

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

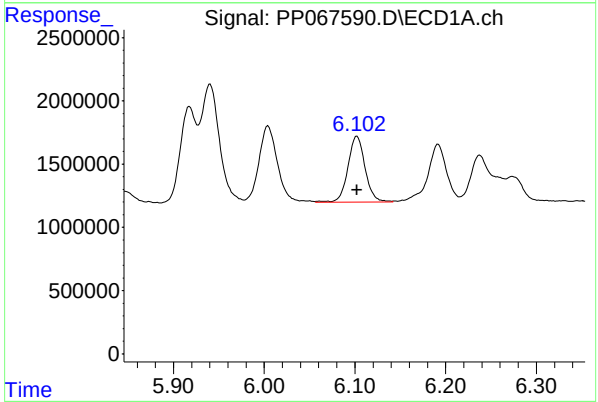
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



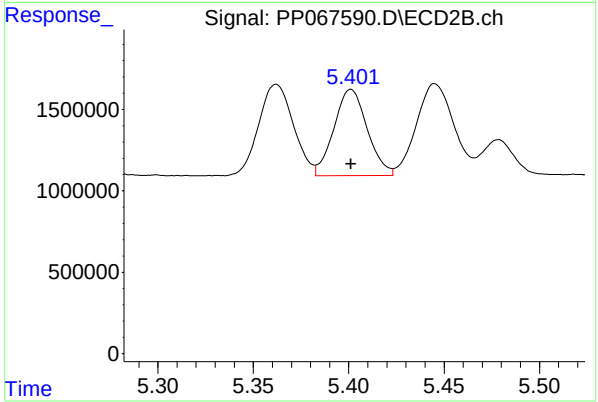

#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 7128613
Conc: 261.52 ng/ml



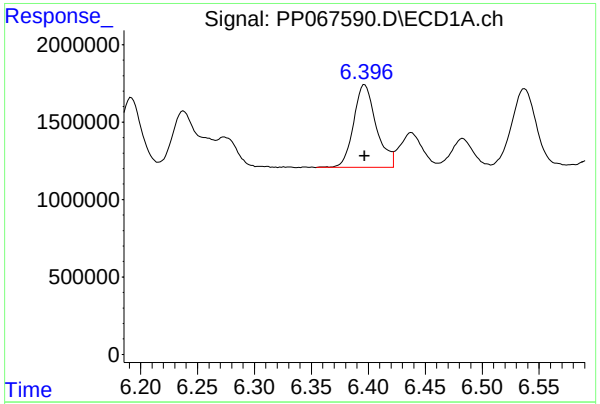

#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 6870142
Conc: 267.11 ng/ml




#6 AR-1016-4

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 6439676
Conc: 267.94 ng/ml



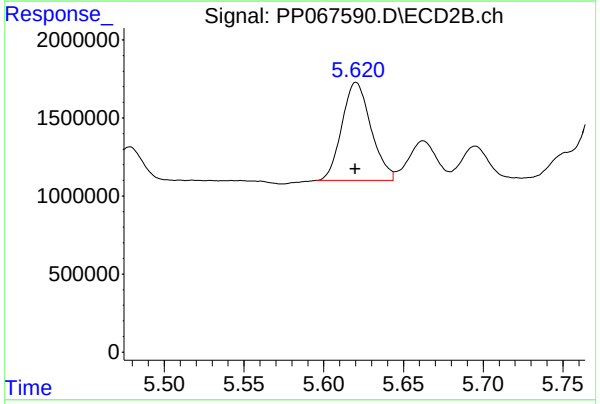

#7 AR-1016-5

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 7389125
Conc: 270.11 ng/ml

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

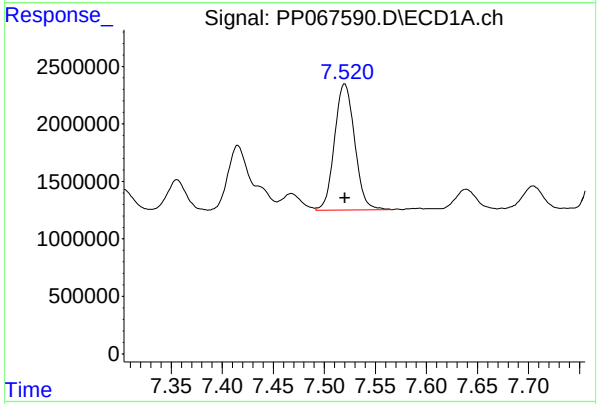
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



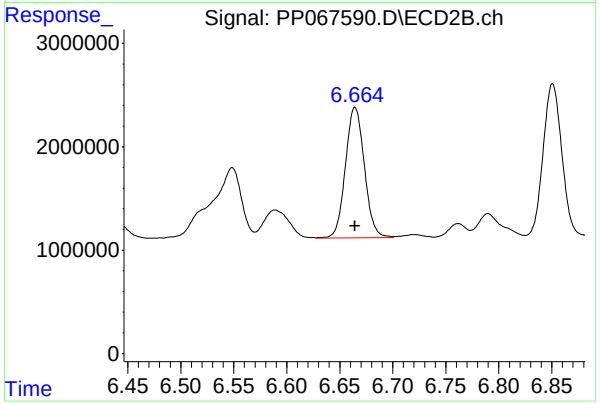

#7 AR-1016-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 8015561
Conc: 262.75 ng/ml m



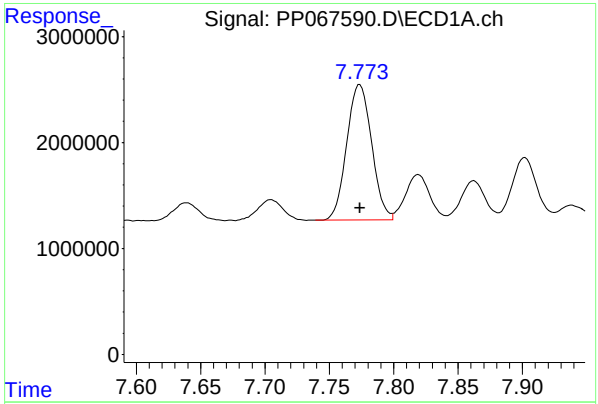

#31 AR-1260-1

R.T.: 7.520 min
Delta R.T.: 0.000 min
Response: 15047489
Conc: 281.75 ng/ml




#31 AR-1260-1

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 15673375
Conc: 278.76 ng/ml



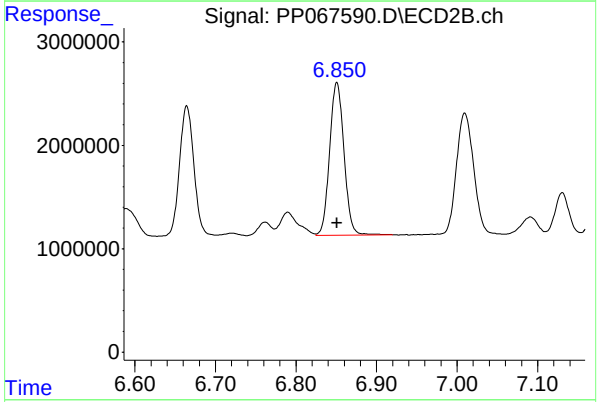

#32 AR-1260-2

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 17224004
Conc: 277.34 ng/ml

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

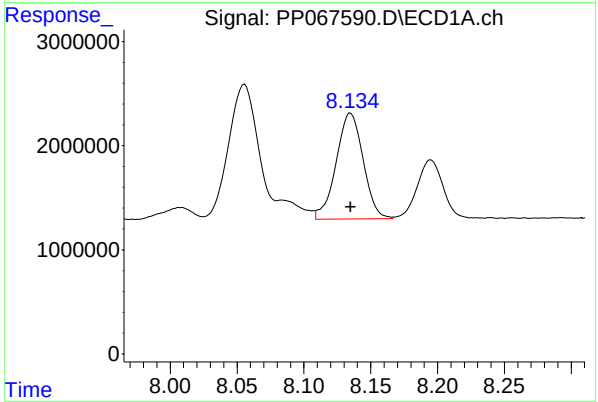
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



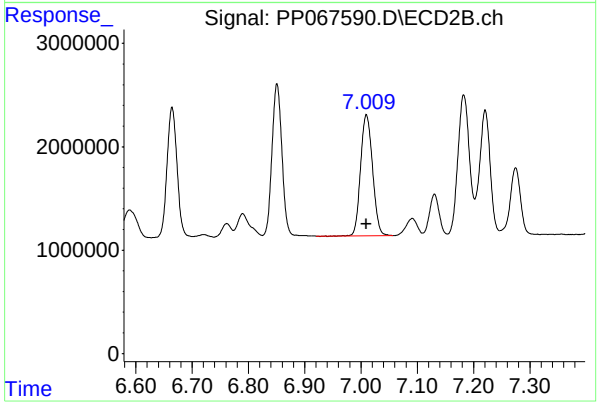

#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 18293992
Conc: 277.50 ng/ml



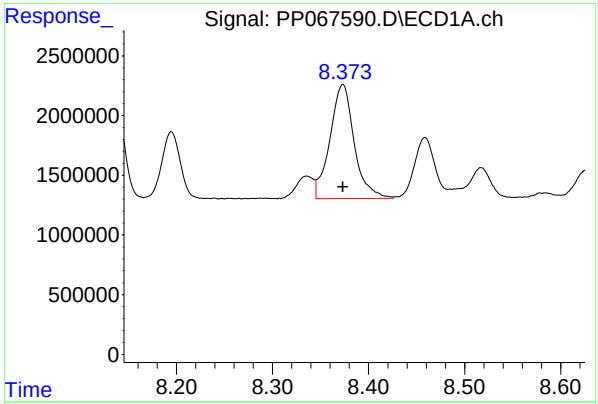

#33 AR-1260-3

R.T.: 8.135 min
Delta R.T.: 0.000 min
Response: 14268955
Conc: 275.23 ng/ml




#33 AR-1260-3

R.T.: 7.010 min
Delta R.T.: 0.000 min
Response: 17271160
Conc: 273.53 ng/ml



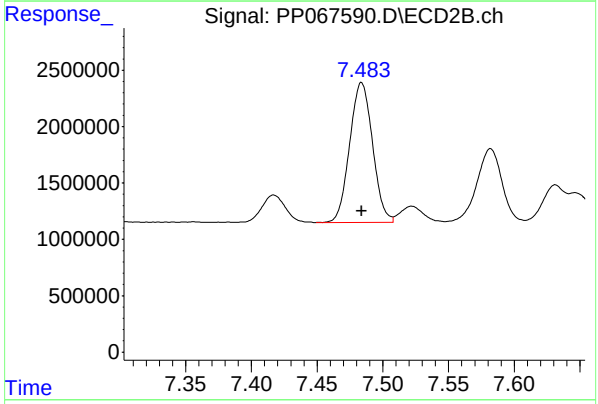

#34 AR-1260-4

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 16575744
Conc: 274.79 ng/ml

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

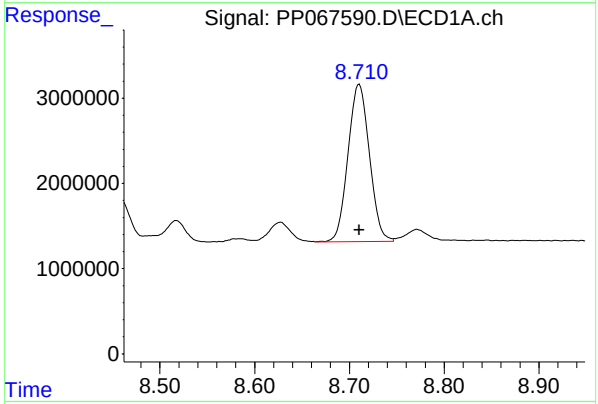
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



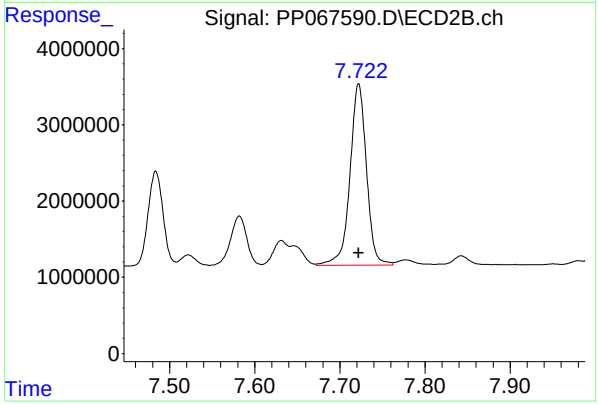

#34 AR-1260-4

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 15053418
Conc: 274.34 ng/ml




#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 29040541
Conc: 270.52 ng/ml




#35 AR-1260-5

R.T.: 7.722 min
Delta R.T.: 0.000 min
Response: 32010485
Conc: 264.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.755 | 4.052 | 4124158 | 4742428 | 4.455 | 4.694 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 5904228 | 5978529 | 5.128 | 5.331 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.918 | 5.161 | 1570943 | 1823044 | 47.508 | 52.106 |
| 4) | L1 AR-1016-2 | 5.941 | 5.181 | 2374298 | 2396851 | 48.683 | 49.760 |
| 5) | L1 AR-1016-3 | 6.005 | 5.362 | 1492800 | 1282642 | 47.373 | 47.615 |
| 6) | L1 AR-1016-4 | 6.103 | 5.401 | 1291798 | 1214418 | 50.179 | 50.422 |
| 7) | L1 AR-1016-5 | 6.398 | 5.619 | 1295512 | 1525015 | 47.863 | 50.109m |
| 31) | L7 AR-1260-1 | 7.521 | 6.664 | 2824350 | 2995537 | 52.280 | 52.588 |
| 32) | L7 AR-1260-2 | 7.774 | 6.851 | 3396864 | 3491158 | 53.688 | 52.338 |
| 33) | L7 AR-1260-3 | 8.136 | 7.009 | 2593344 | 3296752 | 50.017 | 51.753 |
| 34) | L7 AR-1260-4 | 8.373 | 7.483 | 2984512 | 2848752 | 49.581 | 51.521 |
| 35) | L7 AR-1260-5 | 8.711 | 7.721 | 5458119 | 6403126 | 50.673 | 52.357 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067591.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:35
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

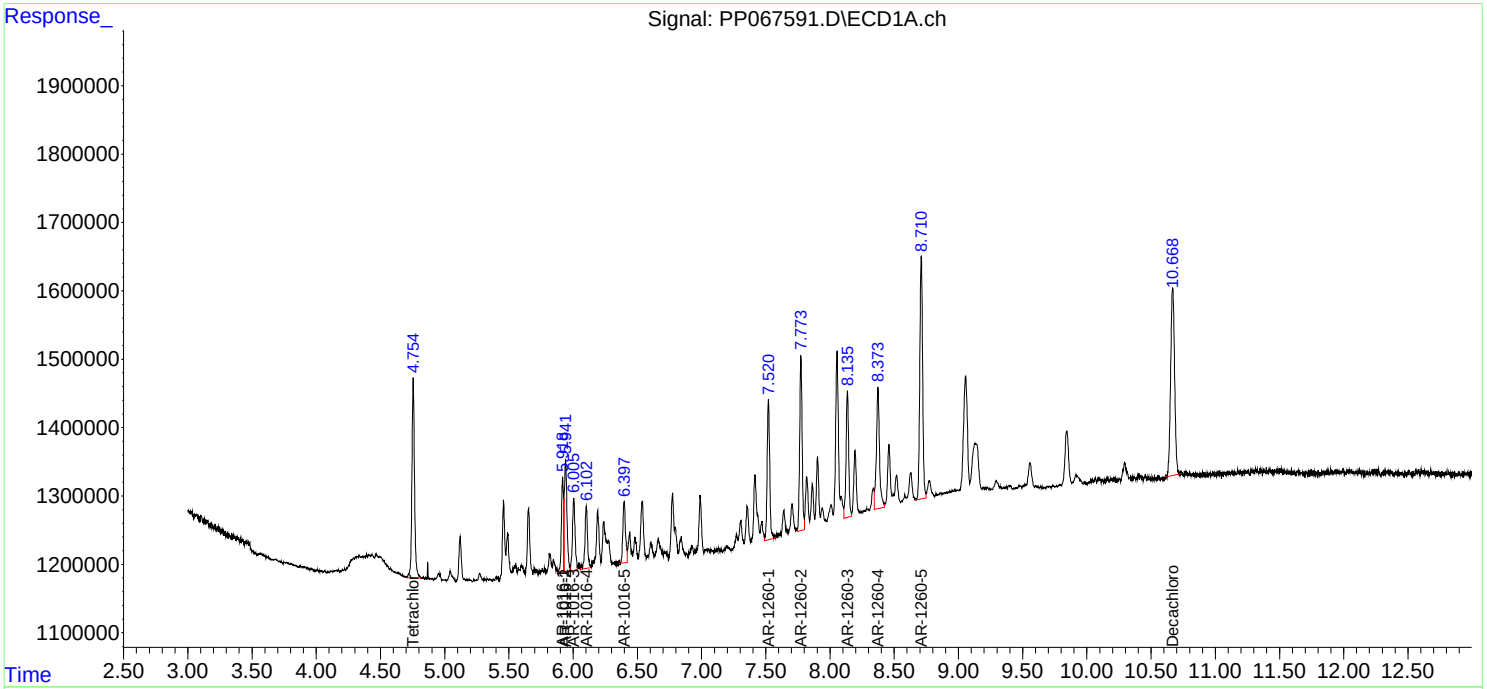
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660ICC050

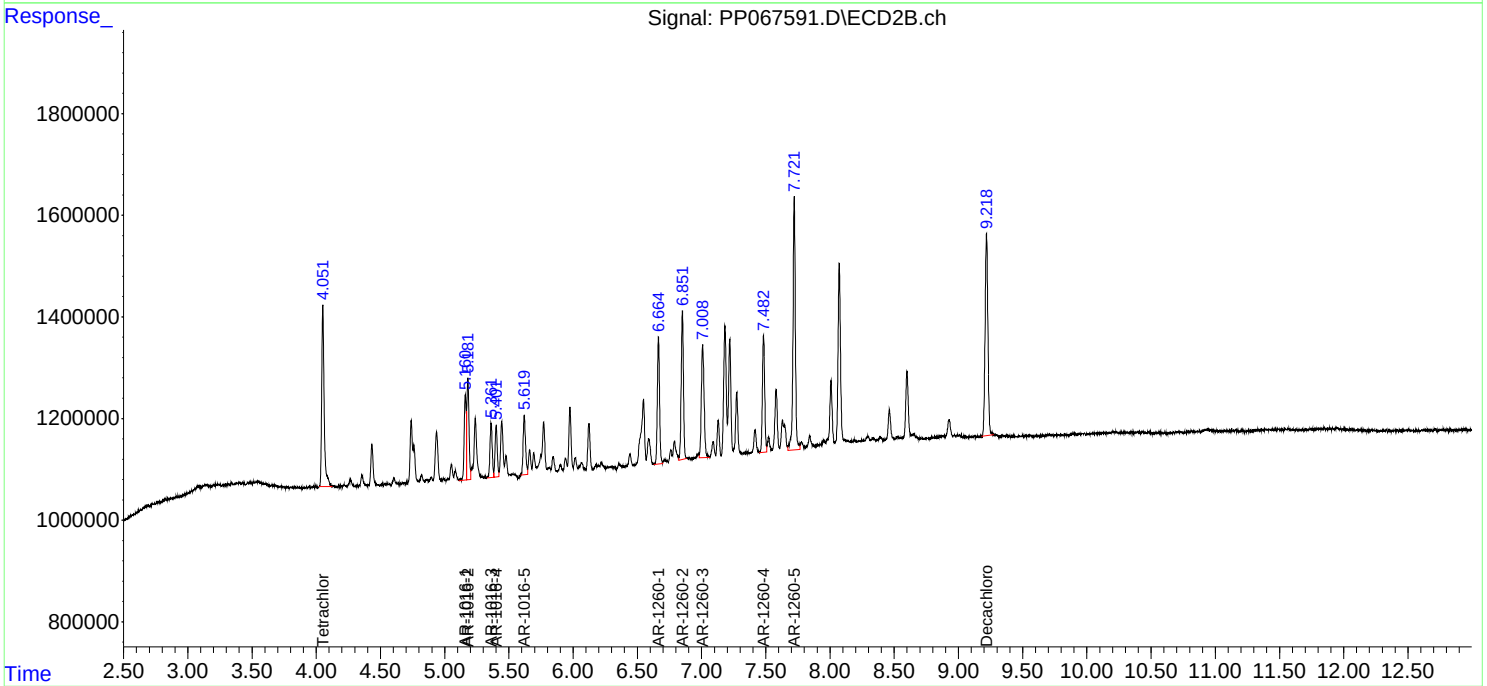
**Manual Integrations APPROVED**

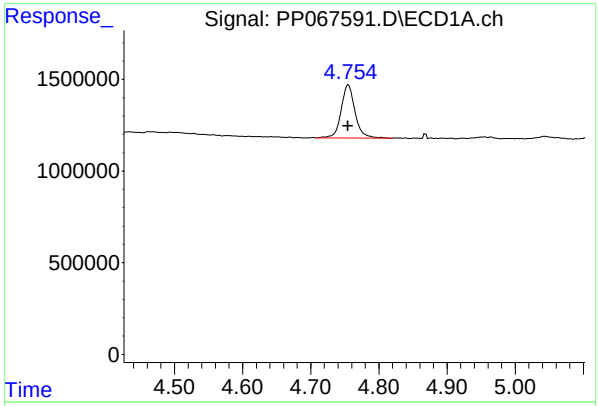
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 08 17:48:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:34:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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





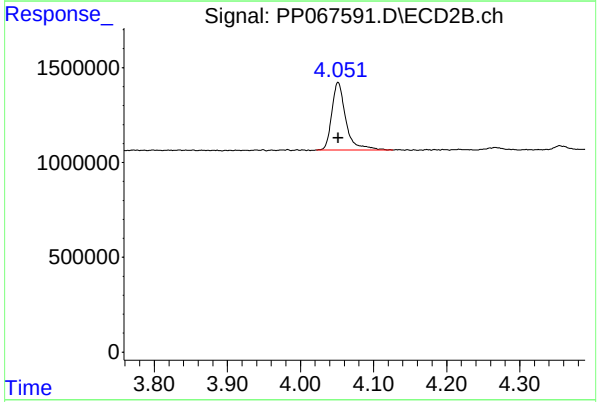

#1 Tetrachloro-m-xylene

R.T.: 4.755 min
Delta R.T.: 0.000 min
Response: 4124158
Conc: 4.46 ng/ml

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

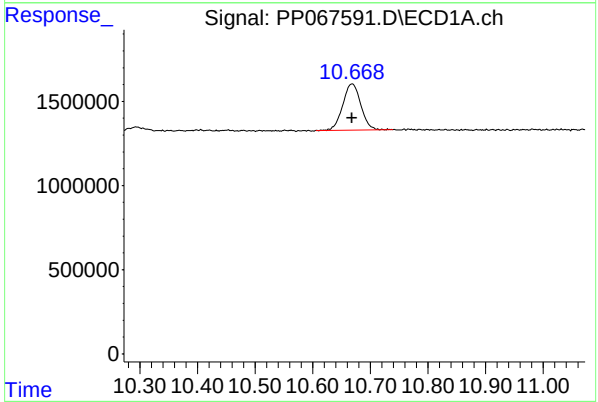
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



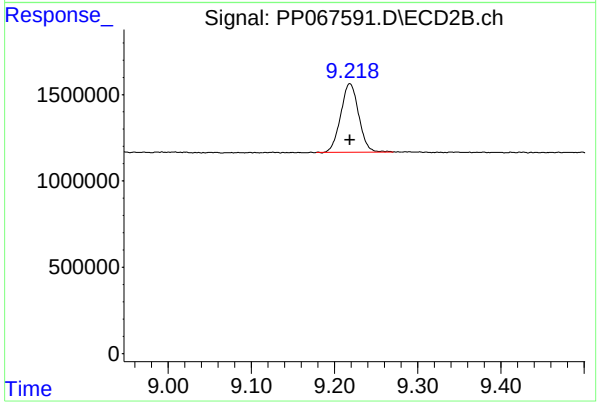

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4742428
Conc: 4.69 ng/ml



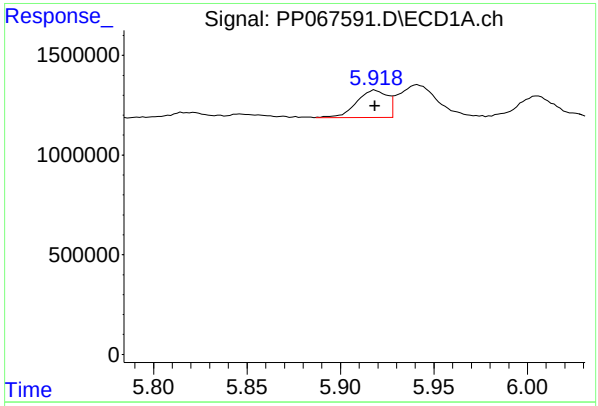

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 5904228
Conc: 5.13 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 5978529
Conc: 5.33 ng/ml



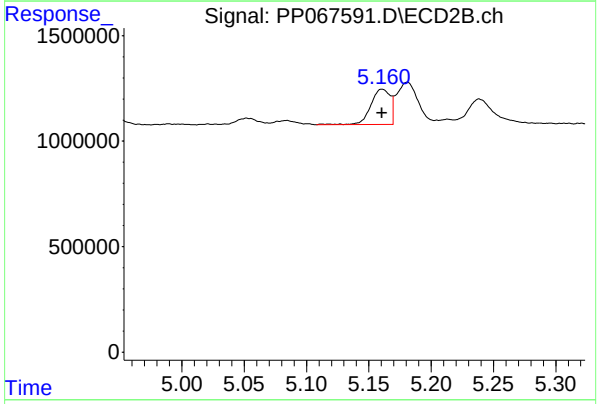

#3 AR-1016-1

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 1570943
Conc: 47.51 ng/ml

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

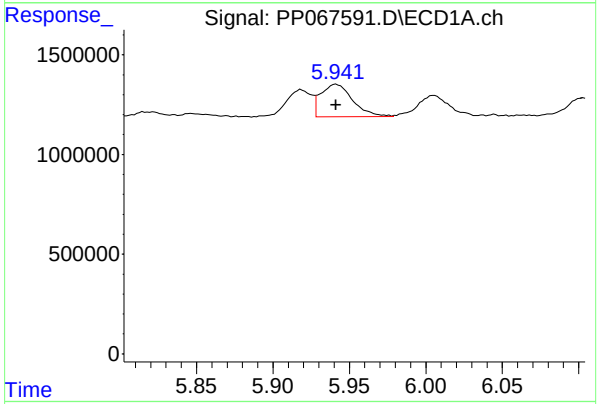
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



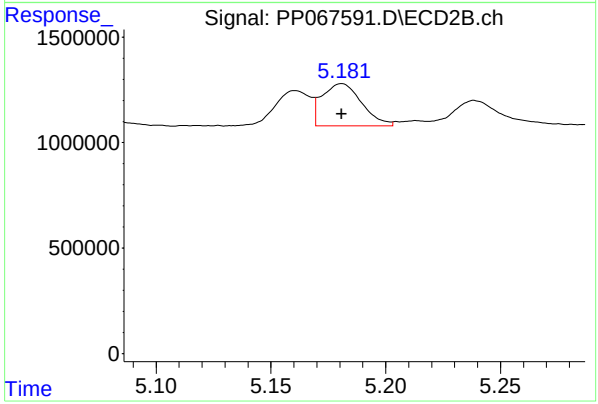

#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1823044
Conc: 52.11 ng/ml



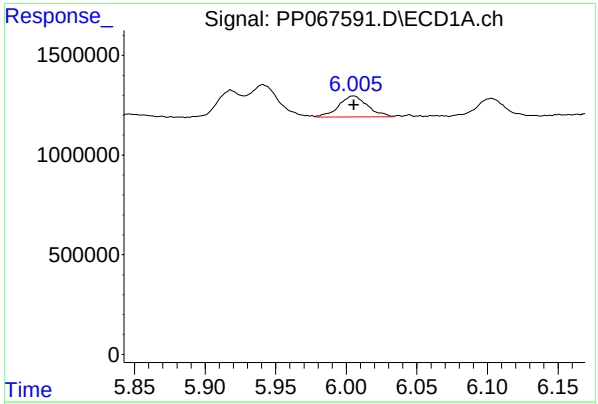

#4 AR-1016-2

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 2374298
Conc: 48.68 ng/ml




#4 AR-1016-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2396851
Conc: 49.76 ng/ml



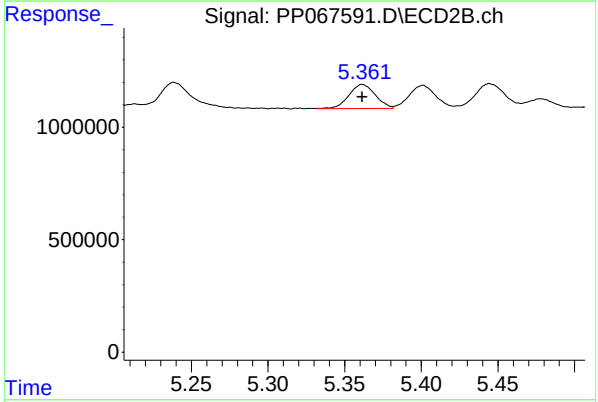

#5 AR-1016-3

R.T.: 6.005 min
Delta R.T.: 0.000 min
Response: 1492800
Conc: 47.37 ng/ml

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

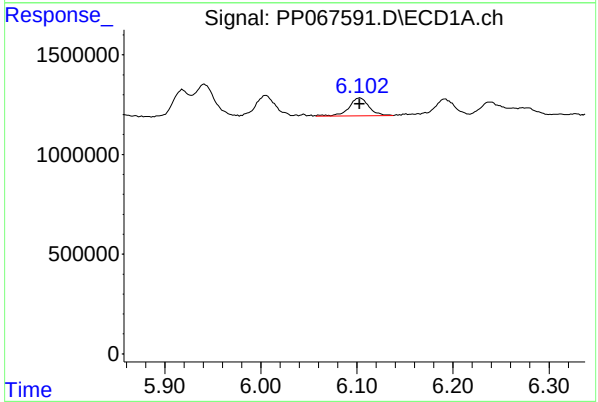
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



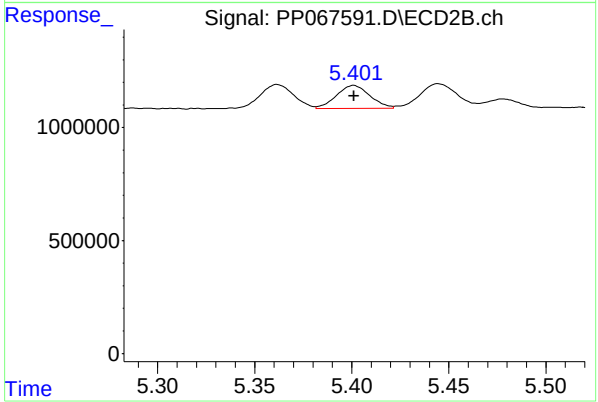

#5 AR-1016-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 1282642
Conc: 47.62 ng/ml



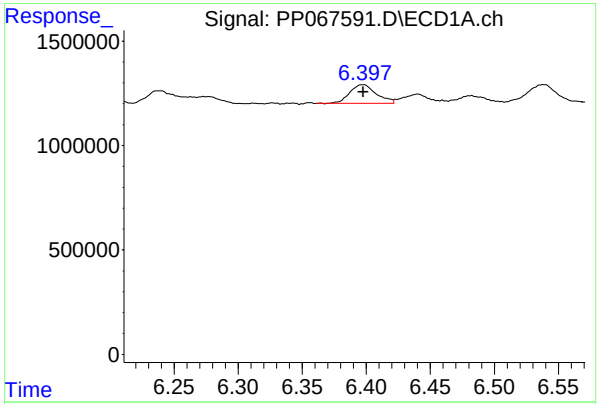

#6 AR-1016-4

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 1291798
Conc: 50.18 ng/ml




#6 AR-1016-4

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 1214418
Conc: 50.42 ng/ml



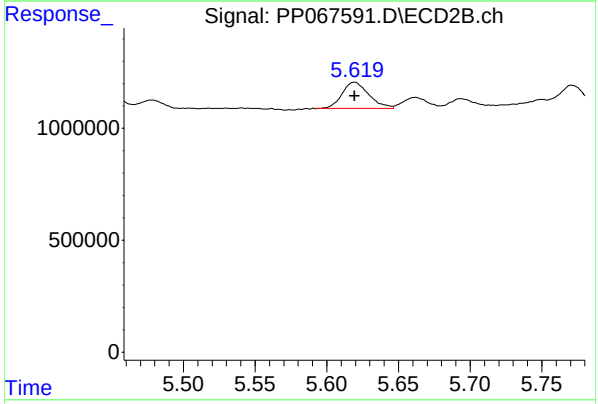

#7 AR-1016-5

R.T.: 6.398 min
Delta R.T.: 0.000 mi
Response: 1295512
Conc: 47.86 ng/m

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

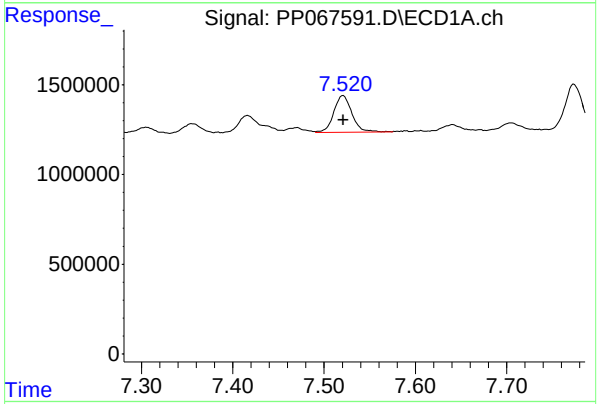
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



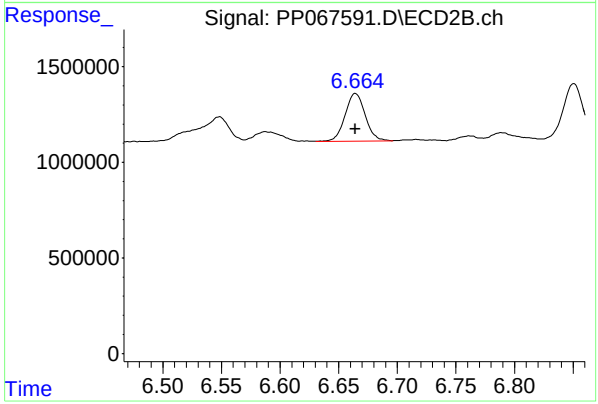

#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 1525015
Conc: 50.11 ng/ml m



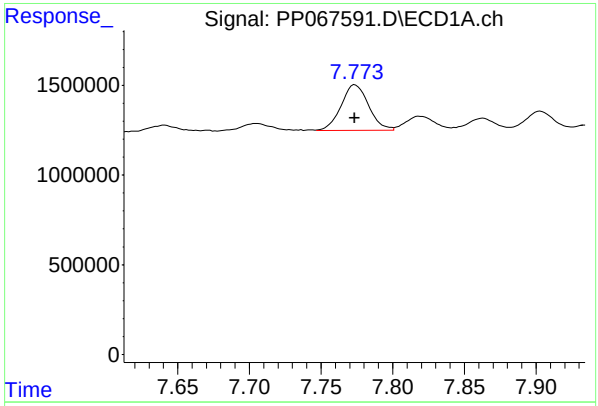

#31 AR-1260-1

R.T.: 7.521 min
Delta R.T.: 0.000 min
Response: 2824350
Conc: 52.28 ng/ml




#31 AR-1260-1

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 2995537
Conc: 52.59 ng/ml



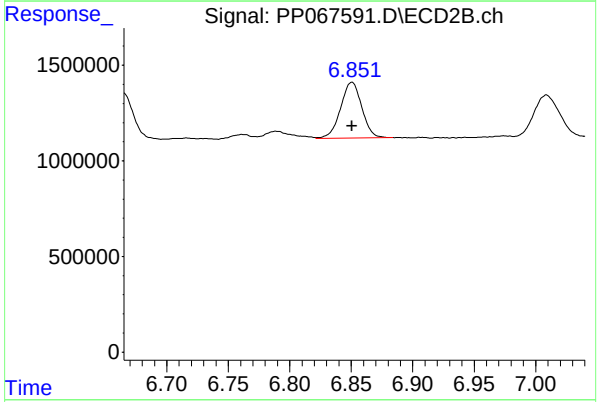

#32 AR-1260-2

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 3396864
Conc: 53.69 ng/ml

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

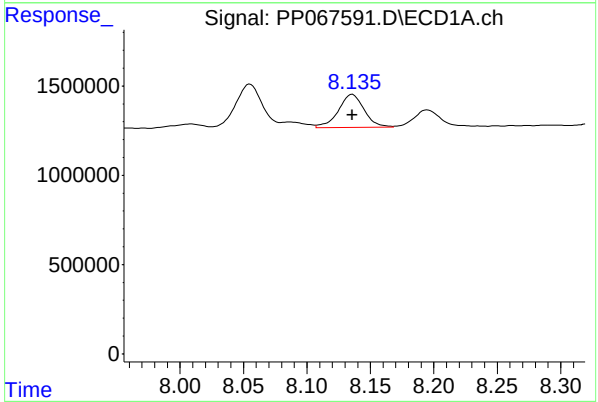
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



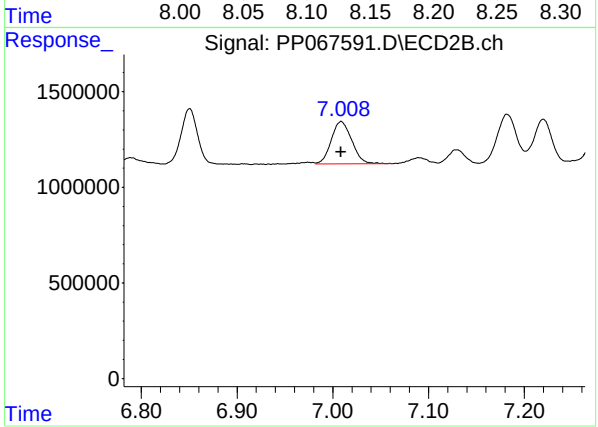

#32 AR-1260-2

R.T.: 6.851 min
Delta R.T.: 0.000 min
Response: 3491158
Conc: 52.34 ng/ml



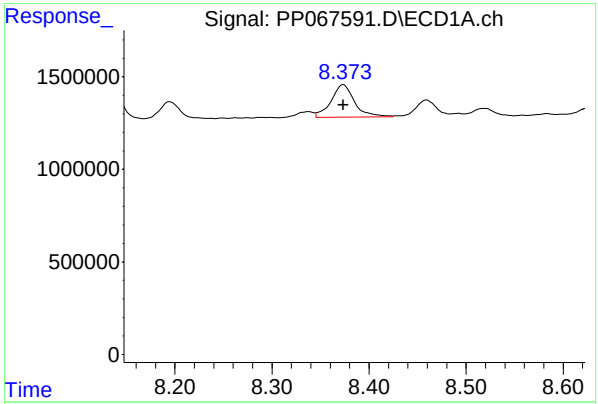

#33 AR-1260-3

R.T.: 8.136 min
Delta R.T.: 0.000 min
Response: 2593344
Conc: 50.02 ng/ml




#33 AR-1260-3

R.T.: 7.009 min
Delta R.T.: 0.000 min
Response: 3296752
Conc: 51.75 ng/ml



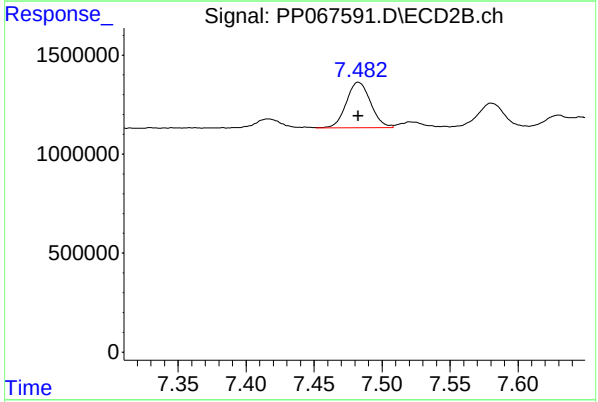

#34 AR-1260-4

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 2984512
Conc: 49.58 ng/ml

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

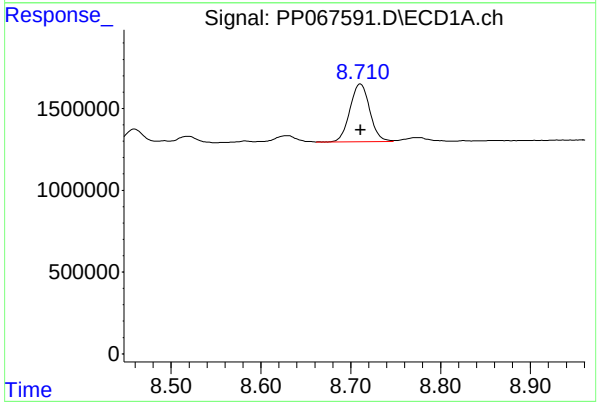
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



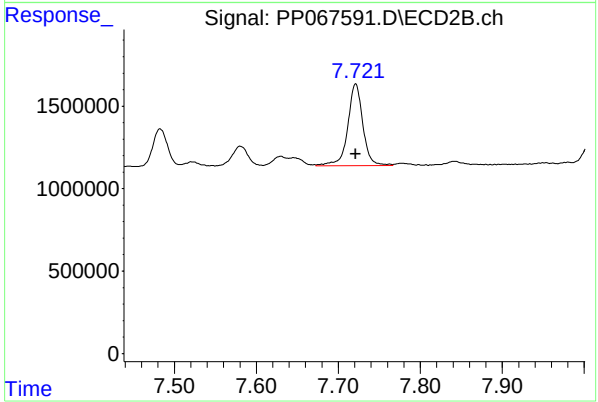

#34 AR-1260-4

R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 2848752
Conc: 51.52 ng/ml




#35 AR-1260-5

R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 5458119
Conc: 50.67 ng/ml




#35 AR-1260-5

R.T.: 7.721 min
Delta R.T.: 0.000 min
Response: 6403126
Conc: 52.36 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
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: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 47679737 | 52733461 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 57899448 | 56082979 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 8) | L2 AR-1221-1 | 4.955 | 4.267 | 6404930 | 6585095 | 500.000 | 500.000 |
| 9) | L2 AR-1221-2 | 5.041 | 4.356 | 4730292 | 4980620 | 500.000 | 500.000 |
| 10) | L2 AR-1221-3 | 5.119 | 4.434 | 14453920 | 15565562 | 500.000 | 500.000 |

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

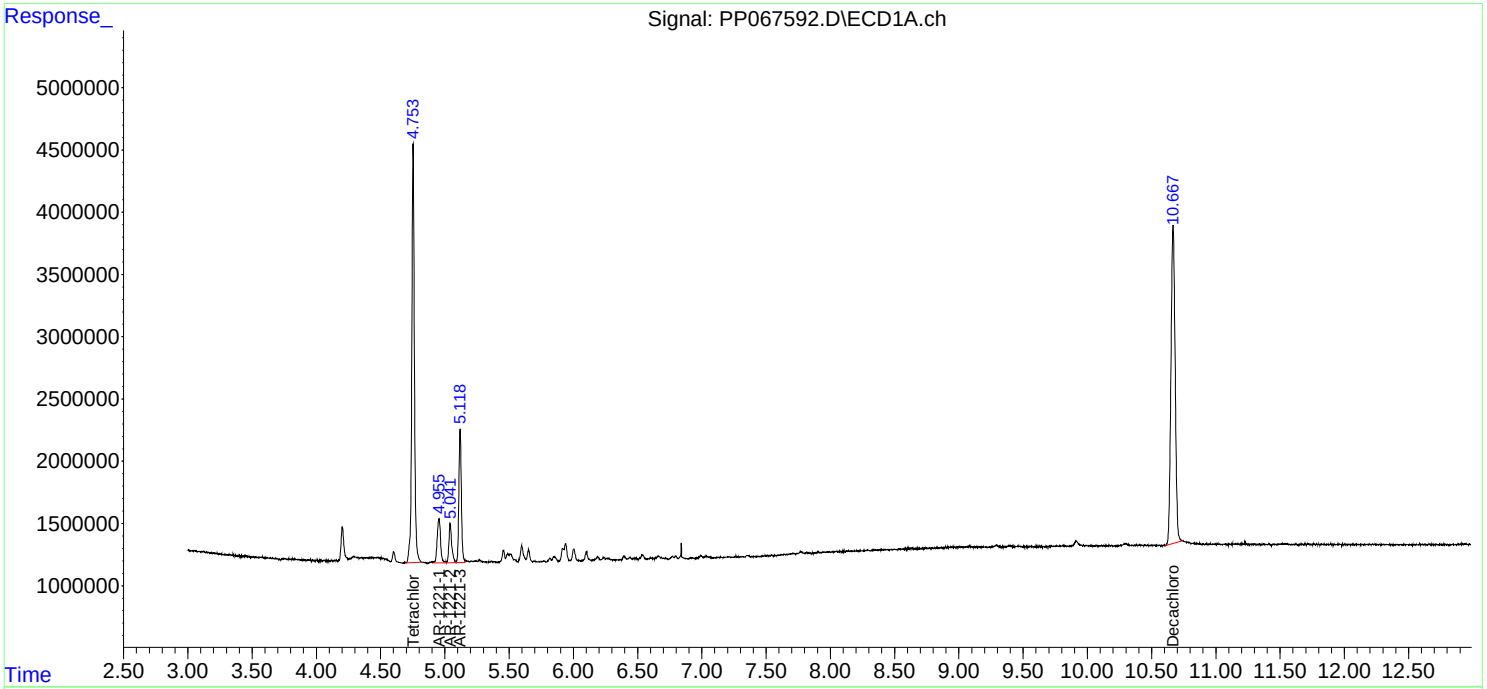
ICAL Form

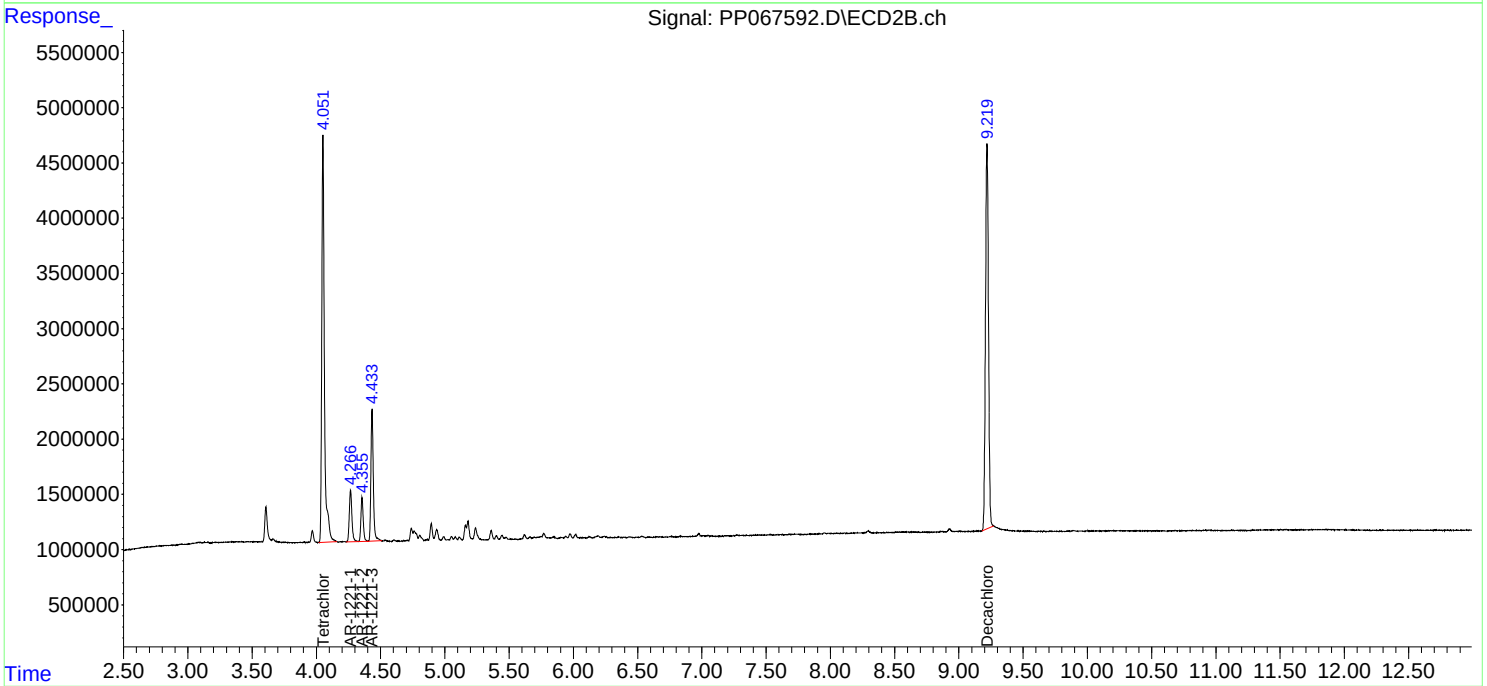
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 17:51
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 8 Sample Multiplier: 1

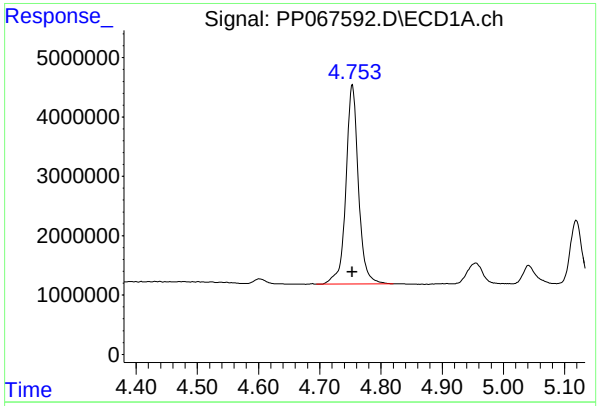
**Instrument :**
ECD_P
**ClientSampleId :**
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:53:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 01:52:29 2024
Response via : Initial Calibration
Integrator: ChemStation

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



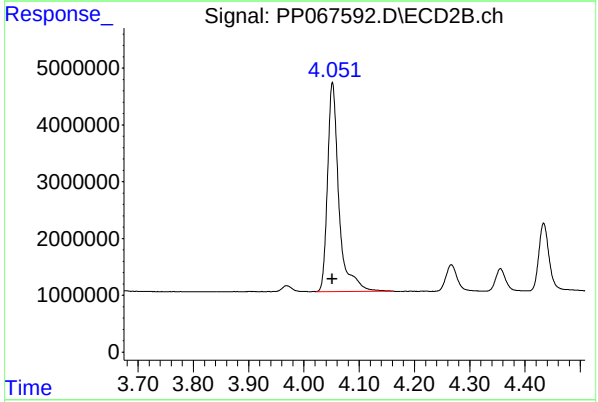






#1 Tetrachloro-m-xylene

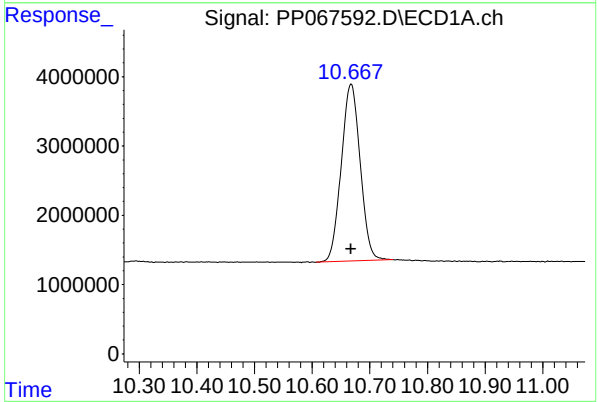
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 47679737
Conc: 50.00 ng/ml

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



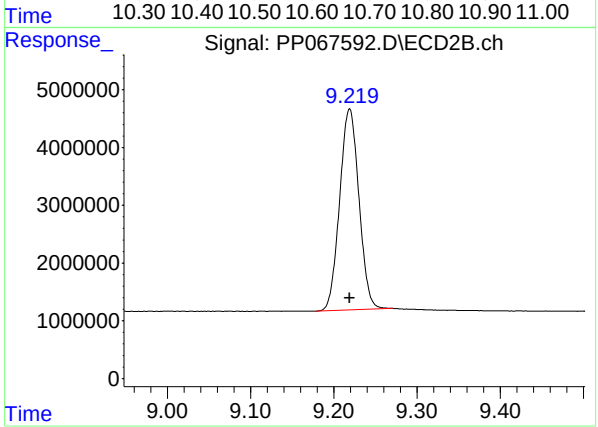

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52733461
Conc: 50.00 ng/ml



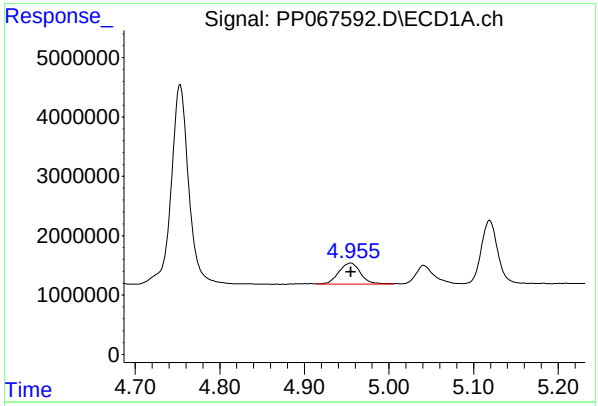

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.000 min
Response: 57899448
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

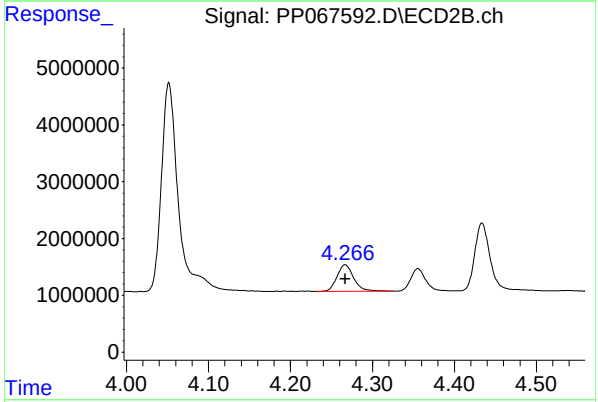
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 56082979
Conc: 50.00 ng/ml




#8 AR-1221-1

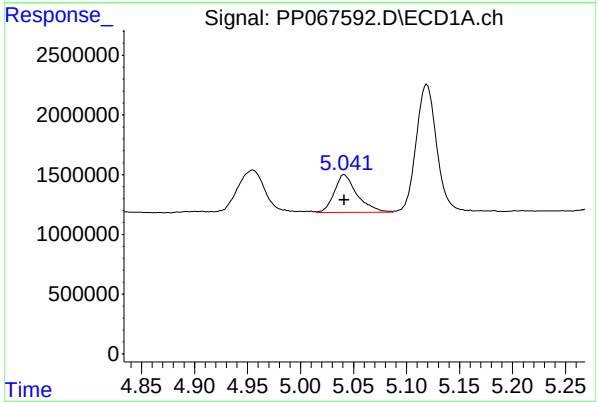
R.T.: 4.955 min
Delta R.T.: 0.000 min
Response: 6404930
Conc: 500.00 ng/ml

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



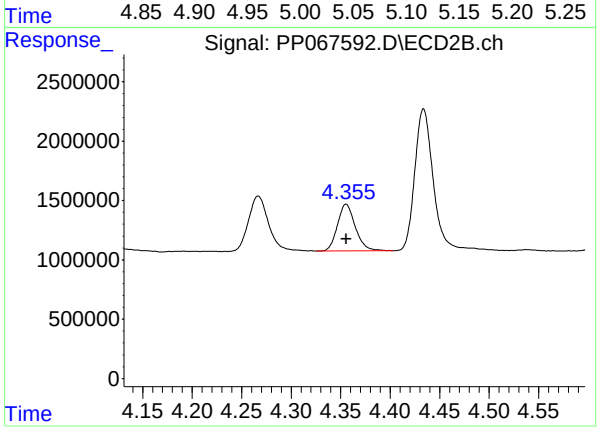

#8 AR-1221-1

R.T.: 4.267 min
Delta R.T.: 0.000 min
Response: 6585095
Conc: 500.00 ng/ml



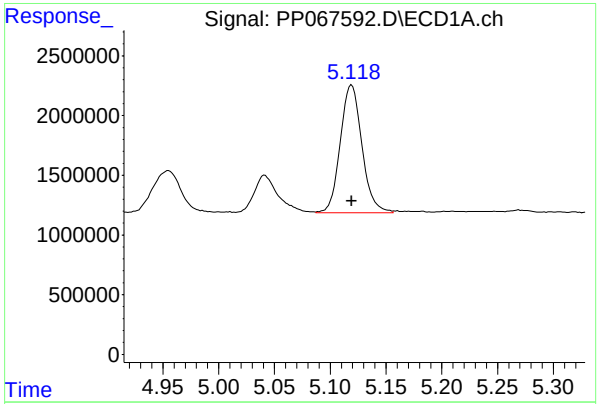

#9 AR-1221-2

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 4730292
Conc: 500.00 ng/ml




#9 AR-1221-2

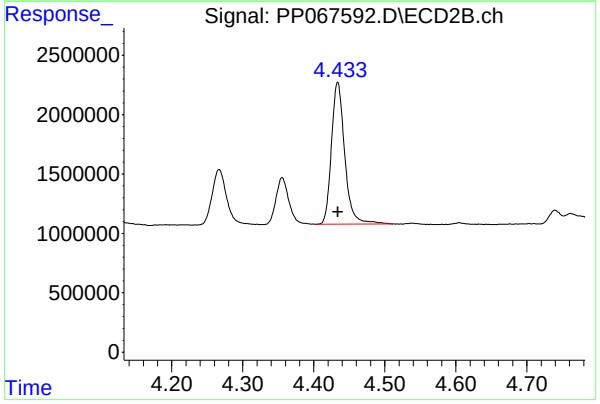
R.T.: 4.356 min
Delta R.T.: 0.000 min
Response: 4980620
Conc: 500.00 ng/ml




#10 AR-1221-3

R.T.: 5.119 min
Delta R.T.: 0.000 mi
Response: 14453920
Conc: 500.00 ng/m

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




#10 AR-1221-3

R.T.: 4.434 min
Delta R.T.: 0.000 min
Response: 15565562
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
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: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 46649380 | 50505300 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.219 | 56517304 | 54410300 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 11) | L3 AR-1232-1 | 5.119 | 4.434 | 11429914 | 12166488 | 500.000 | 500.000 |
| 12) | L3 AR-1232-2 | 5.651 | 5.181 | 5891516 | 11182496 | 500.000 | 500.000 |
| 13) | L3 AR-1232-3 | 5.940 | 5.361 | 11137505 | 5971903 | 500.000 | 500.000 |
| 14) | L3 AR-1232-4 | 6.101 | 5.445 | 5643711 | 5765679 | 500.000 | 500.000 |
| 15) | L3 AR-1232-5 | 6.191 | 5.620 | 4560092 | 6725151 | 500.000 | 500.000 |

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

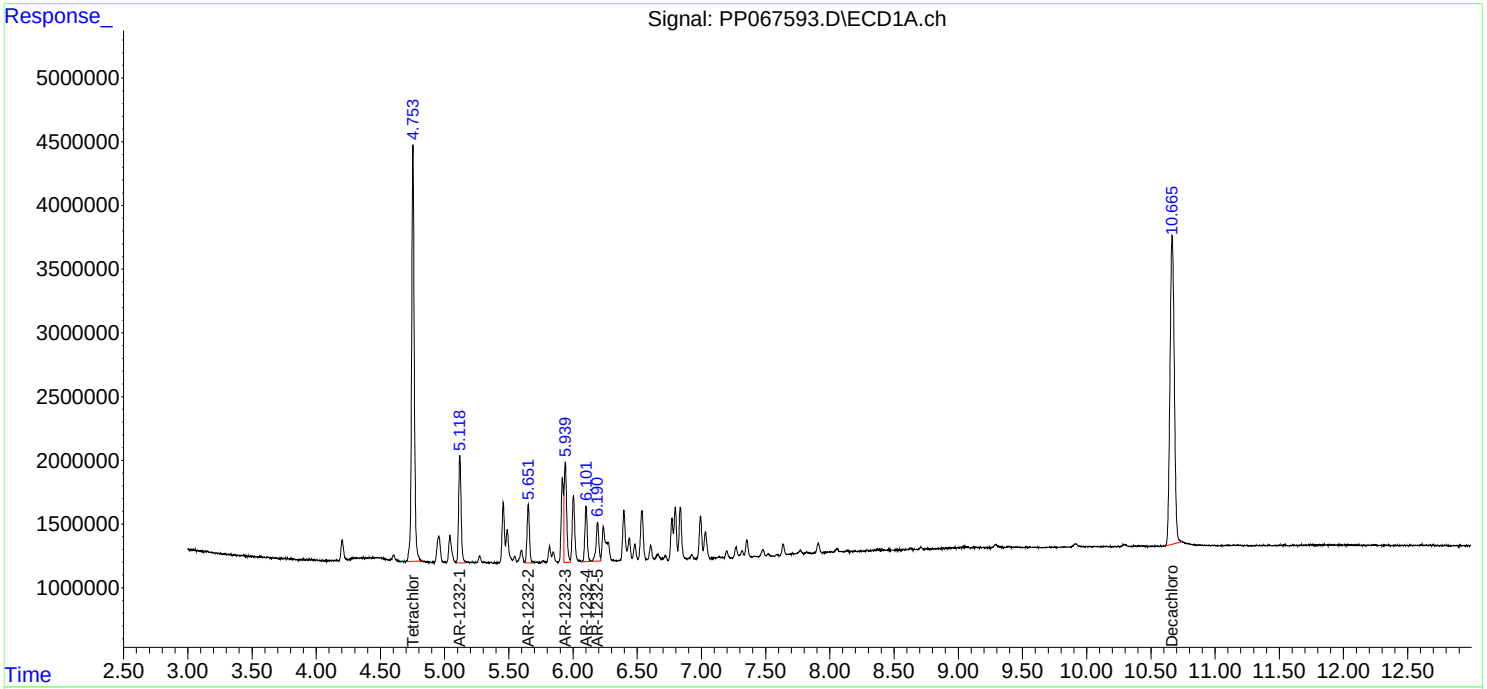
ICAL Form

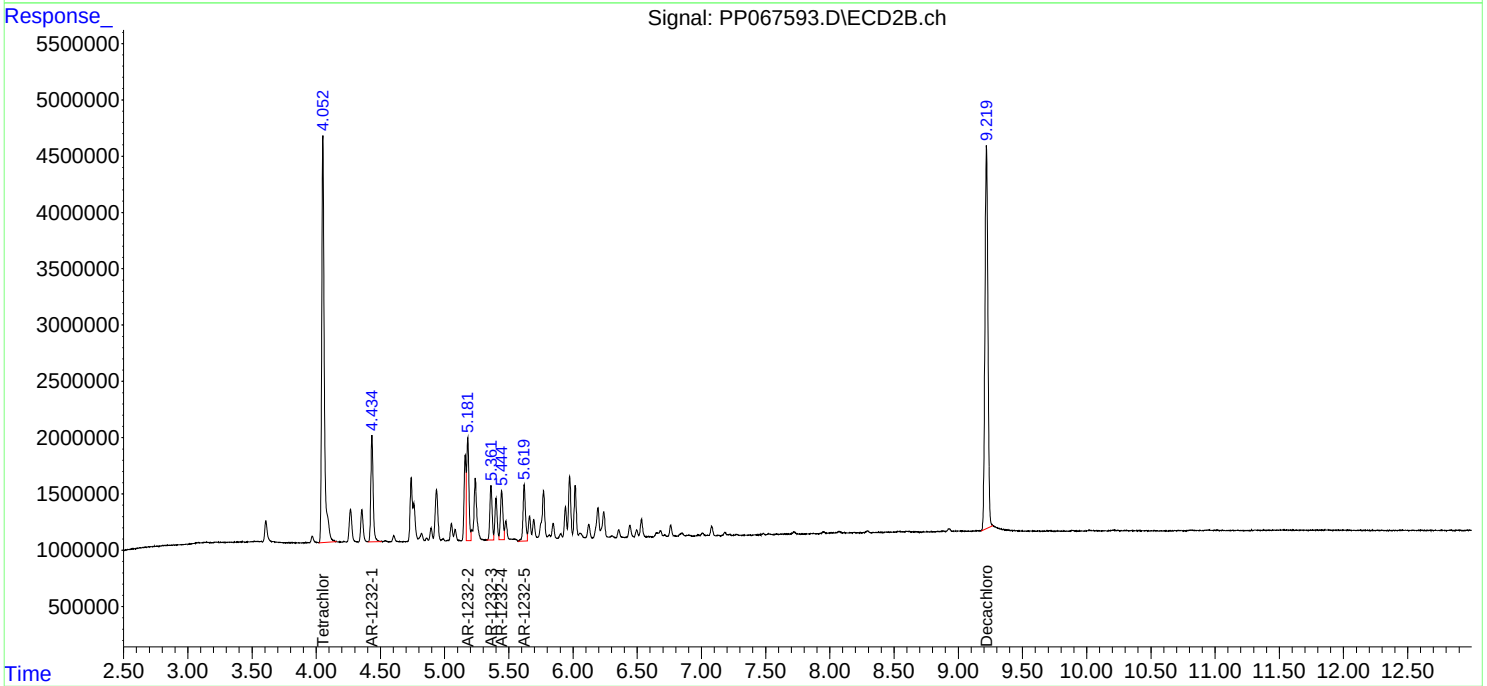
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067593.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:07
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 9 Sample Multiplier: 1

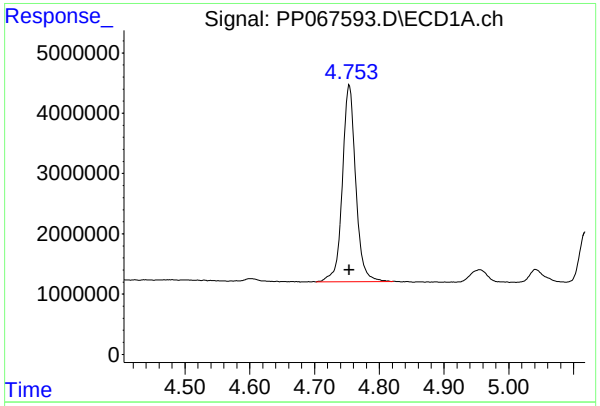
**Instrument :**
ECD_P
**ClientSampleId :**
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:05:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:05:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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



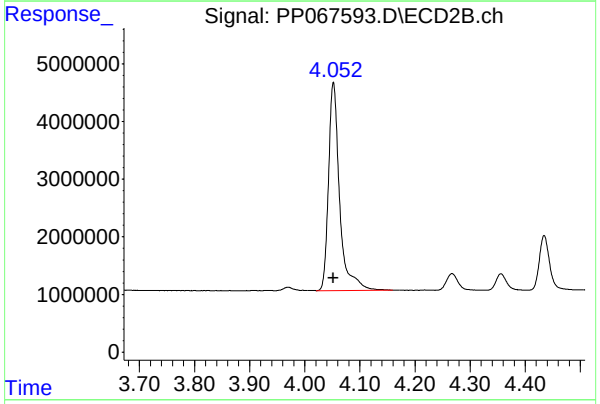






#1 Tetrachloro-m-xylene

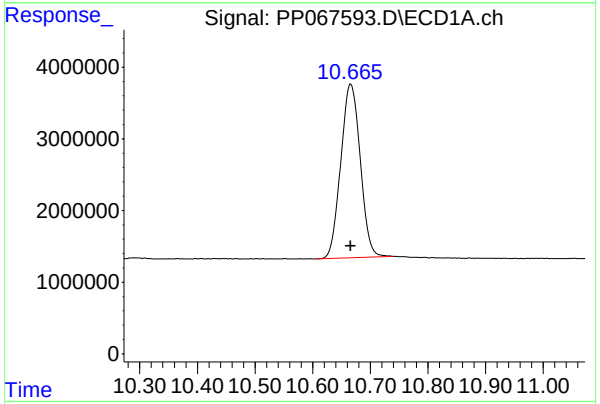
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 46649380
Conc: 50.00 ng/ml

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



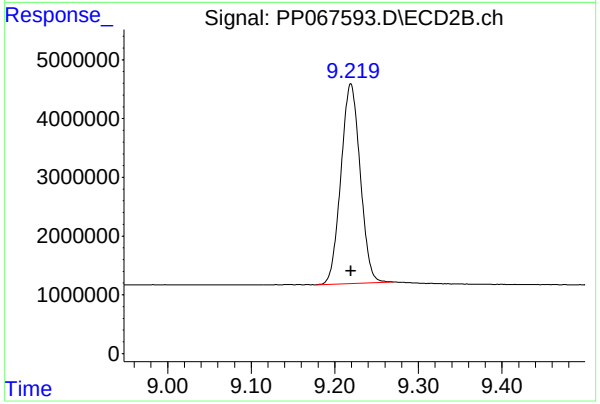

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50505300
Conc: 50.00 ng/ml



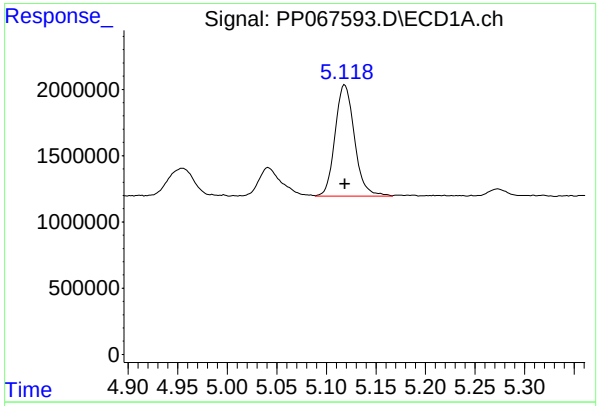

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 56517304
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

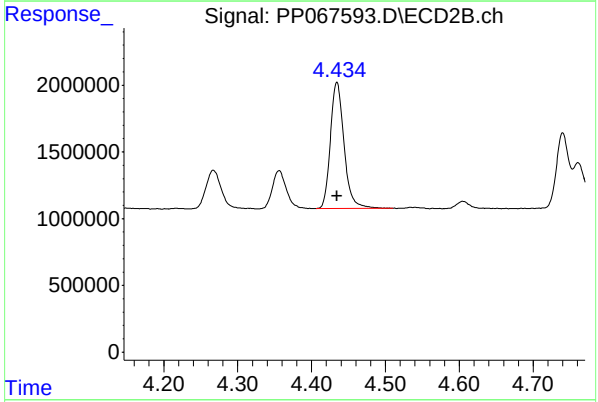
R.T.: 9.219 min
Delta R.T.: 0.000 min
Response: 54410300
Conc: 50.00 ng/ml




#11 AR-1232-1

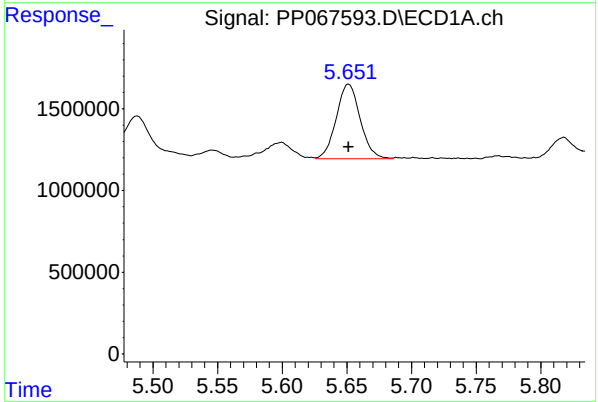
R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 11429914
Conc: 500.00 ng/ml

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



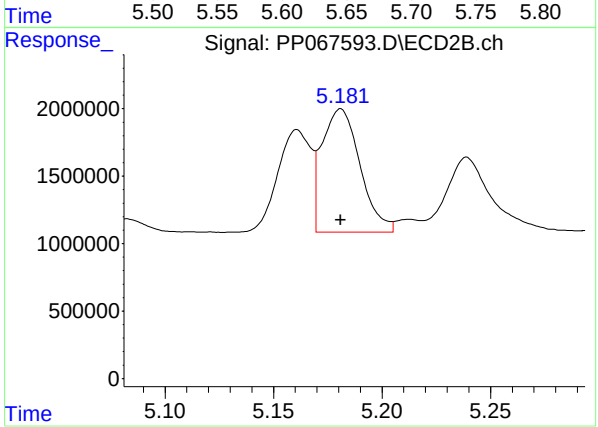

#11 AR-1232-1

R.T.: 4.434 min
Delta R.T.: 0.000 min
Response: 12166488
Conc: 500.00 ng/ml



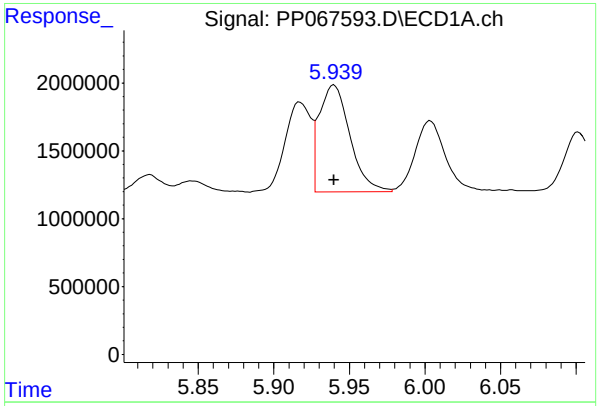

#12 AR-1232-2

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 5891516
Conc: 500.00 ng/ml




#12 AR-1232-2

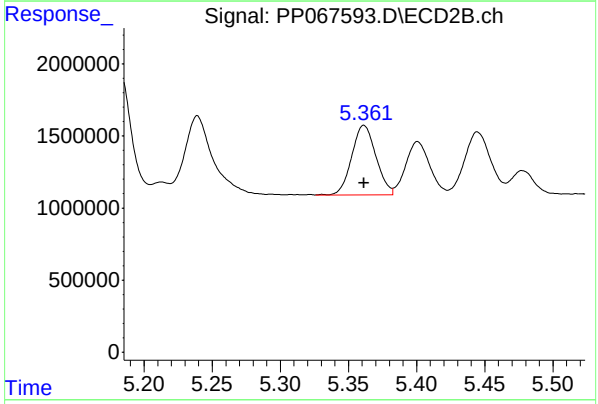
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 11182496
Conc: 500.00 ng/ml




#13 AR-1232-3

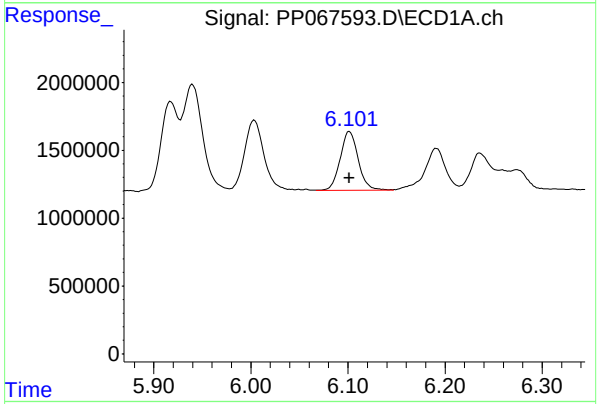
R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 11137505
Conc: 500.00 ng/ml

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



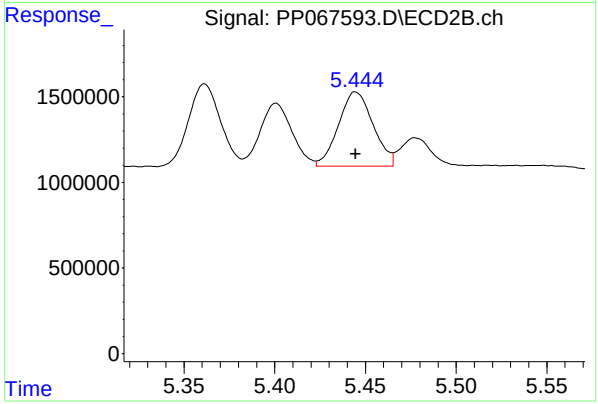

#13 AR-1232-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 5971903
Conc: 500.00 ng/ml



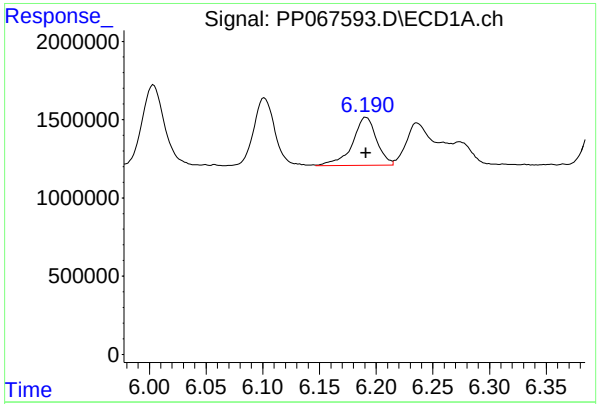

#14 AR-1232-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 5643711
Conc: 500.00 ng/ml




#14 AR-1232-4

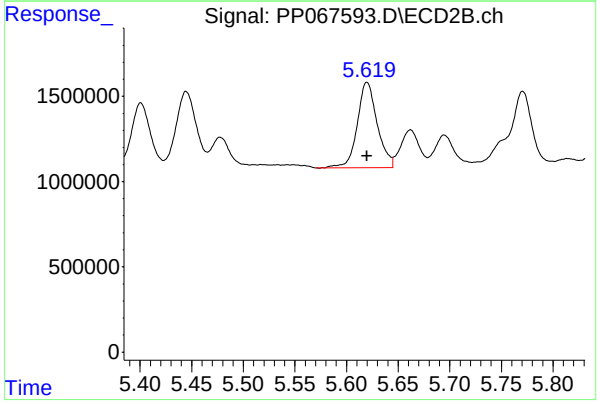
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 5765679
Conc: 500.00 ng/ml




#15 AR-1232-5

R.T.: 6.191 min
Delta R.T.: 0.000 mi
Response: 4560092
Conc: 500.00 ng/m

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




#15 AR-1232-5

R.T.: 5.620 min
Delta R.T.: 0.000 min
Response: 6725151
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
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: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.756 | 4.052 | 91804577 | 97931710 | 92.720 | 93.408 |
| 2) | SA Decachlor... | 10.670 | 9.219 | 105.0E6 | 103.1E6 | 88.700 | 90.096 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.920 | 5.161 | 26136486 | 26643227 | 904.997 | 885.672 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 37560737 | 37173910 | 898.084 | 909.892 |
| 18) | L4 AR-1242-3 | 6.006 | 5.361 | 24775066 | 21209836 | 896.770 | 906.817 |
| 19) | L4 AR-1242-4 | 6.104 | 5.445 | 19919938 | 21894421 | 904.626 | 888.797 |
| 20) | L4 AR-1242-5 | 6.838 | 5.974 | 22664411 | 25904963 | 925.292 | 897.607 |

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

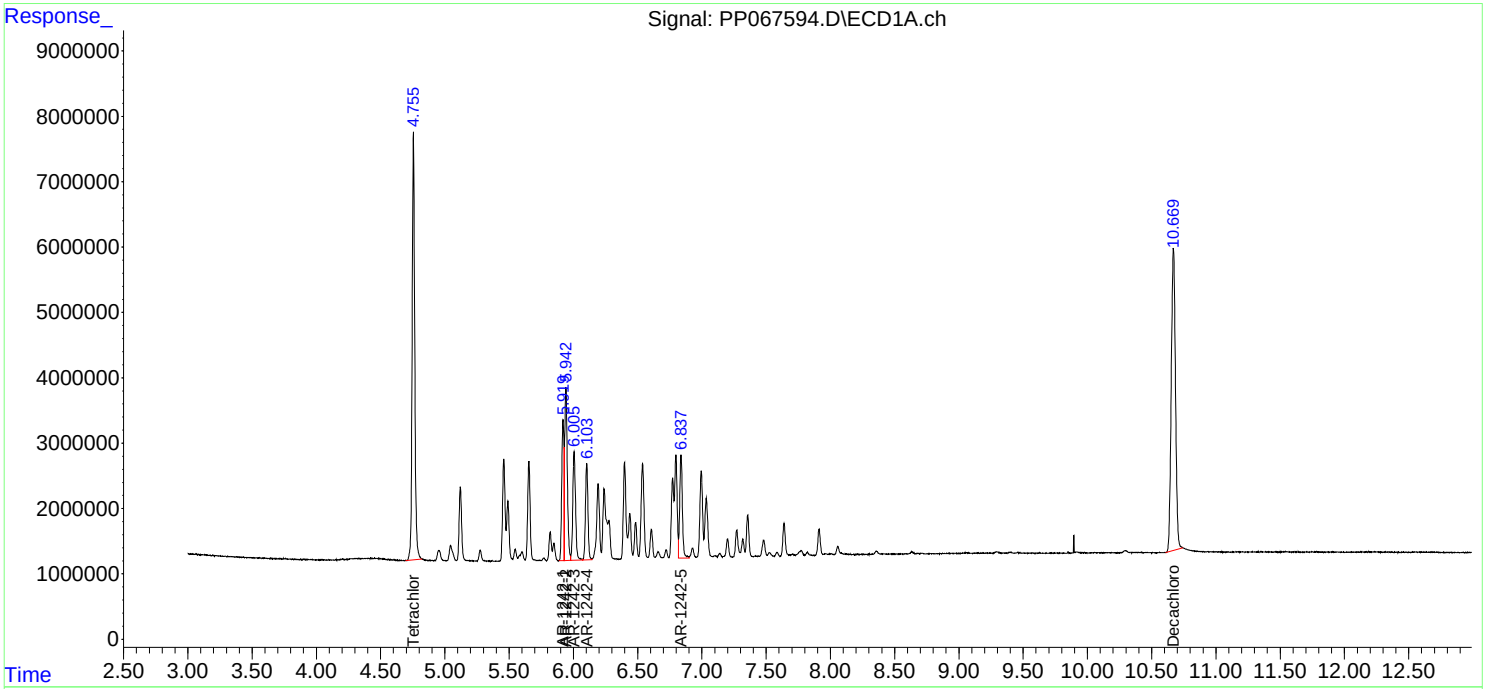
ICAL Form

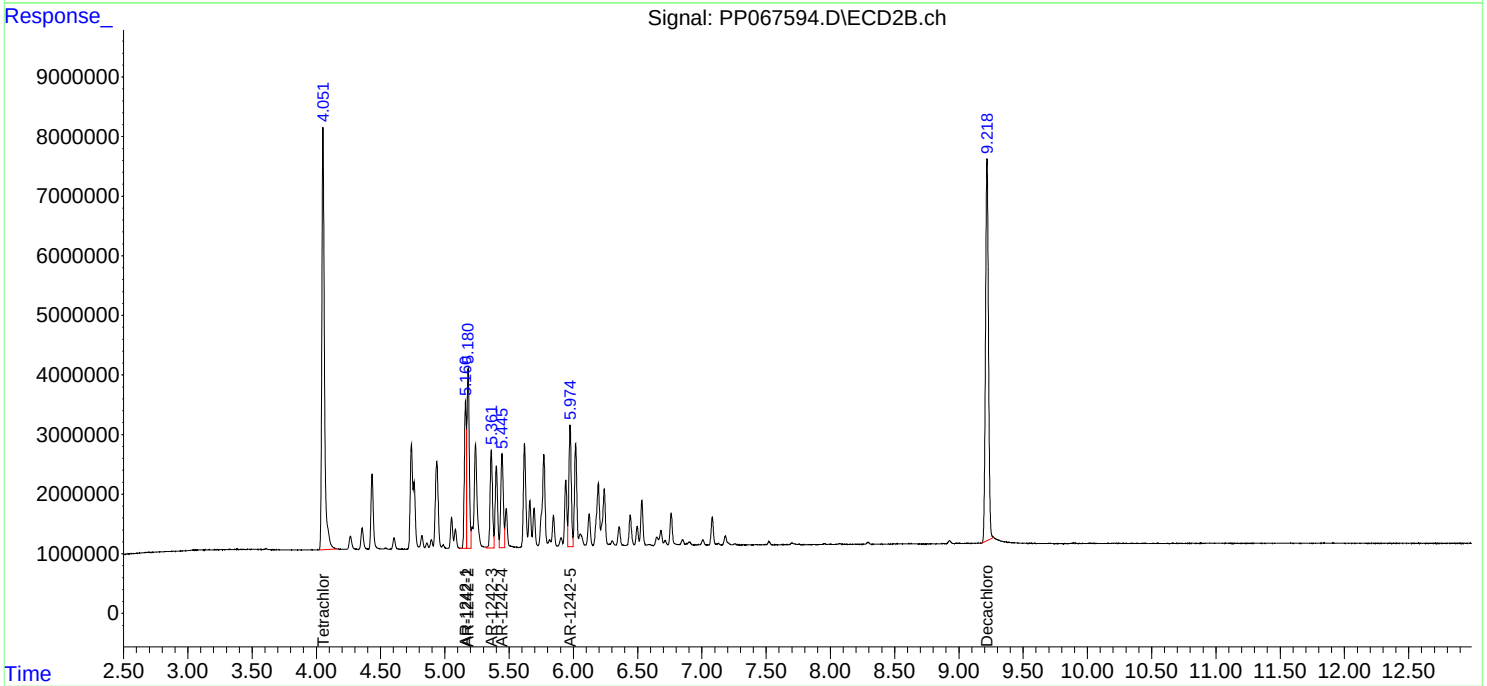
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067594.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:23
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 10 Sample Multiplier: 1

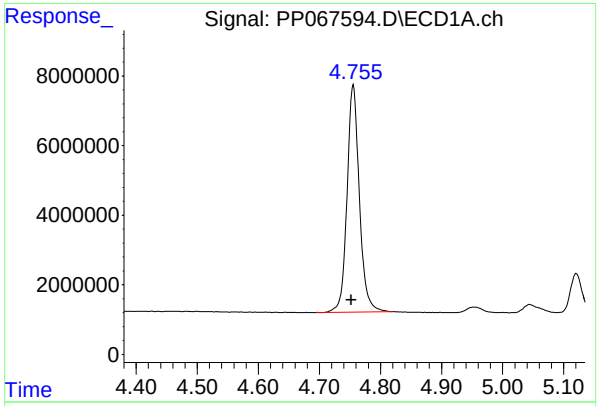
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



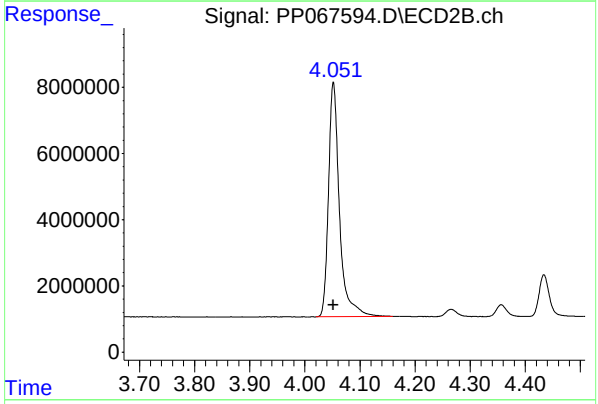






#1 Tetrachloro-m-xylene

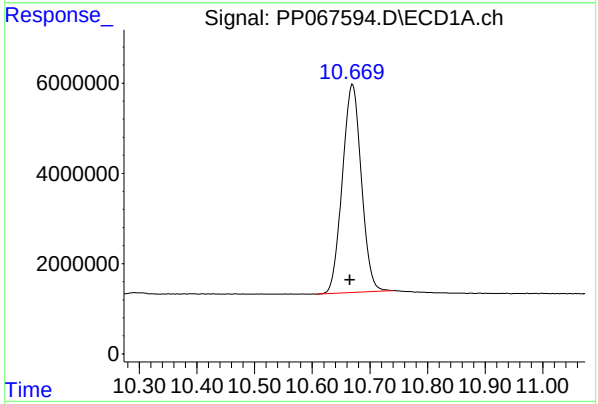
R.T.: 4.756 min
Delta R.T.: 0.004 min
Response: 91804577
Conc: 92.72 ng/ml

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



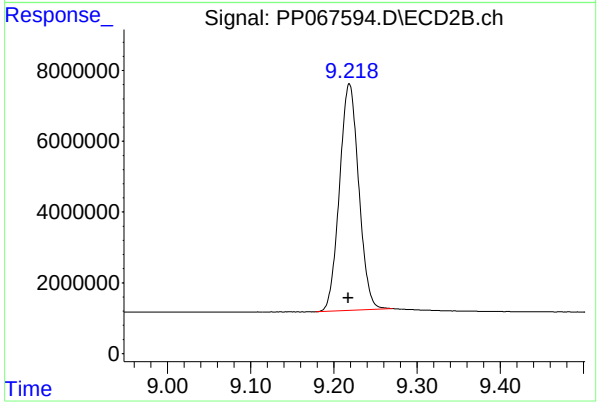

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 97931710
Conc: 93.41 ng/ml



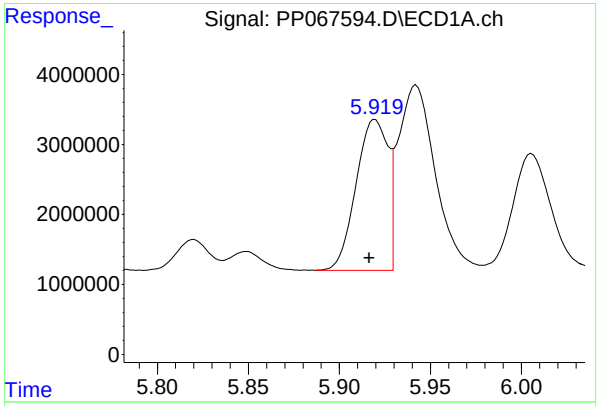

#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.004 min
Response: 104984650
Conc: 88.70 ng/ml




#2 Decachlorobiphenyl

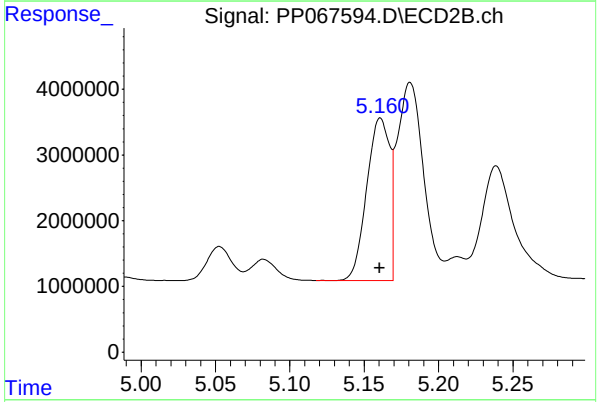
R.T.: 9.219 min
Delta R.T.: 0.001 min
Response: 103087366
Conc: 90.10 ng/ml




#16 AR-1242-1

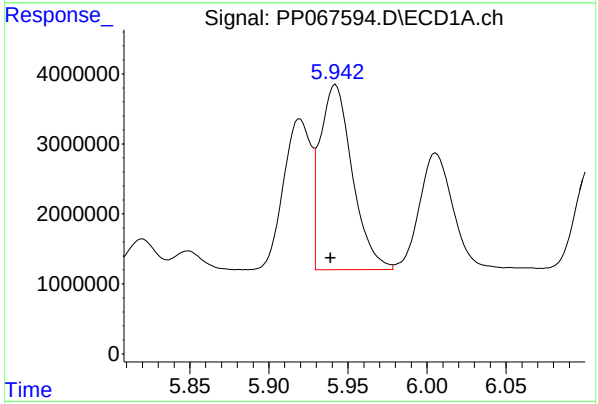
R.T.: 5.920 min
Delta R.T.: 0.003 min
Response: 26136486
Conc: 905.00 ng/ml

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



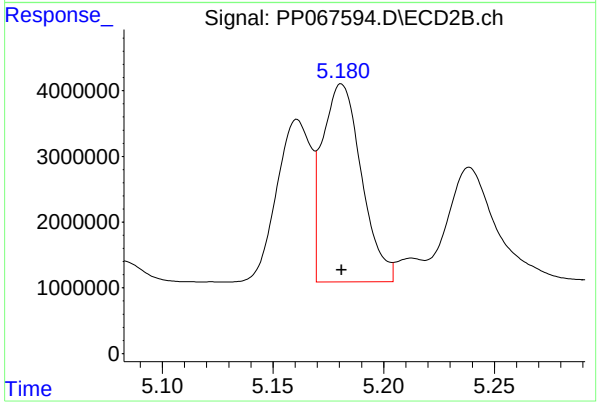

#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 26643227
Conc: 885.67 ng/ml



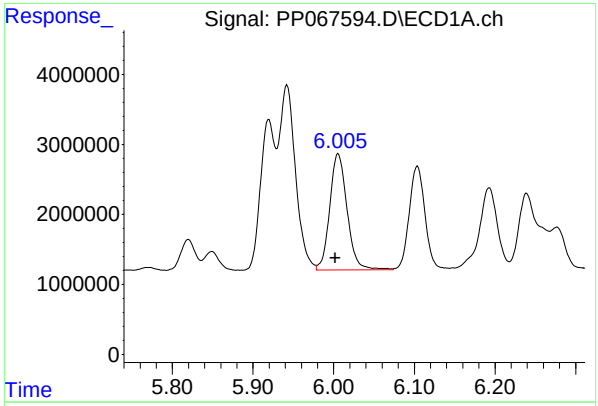

#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 37560737
Conc: 898.08 ng/ml




#17 AR-1242-2

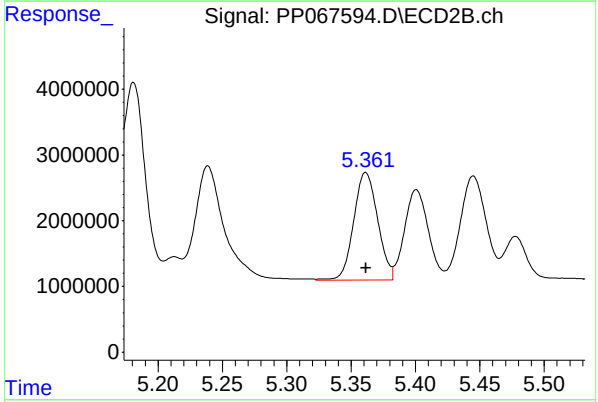
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 37173910
Conc: 909.89 ng/ml




#18 AR-1242-3

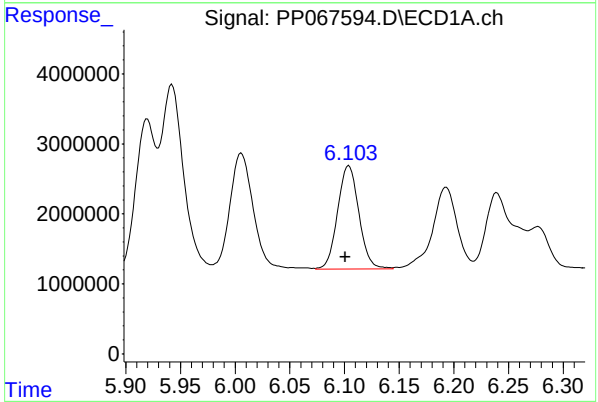
R.T.: 6.006 min
Delta R.T.: 0.004 min
Response: 24775066
Conc: 896.77 ng/ml

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



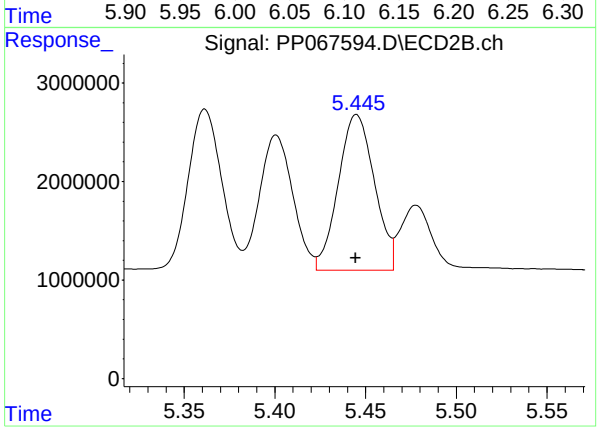

#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 21209836
Conc: 906.82 ng/ml



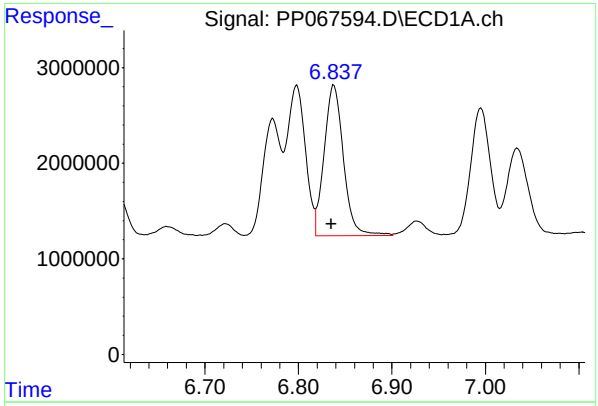

#19 AR-1242-4

R.T.: 6.104 min
Delta R.T.: 0.003 min
Response: 19919938
Conc: 904.63 ng/ml




#19 AR-1242-4

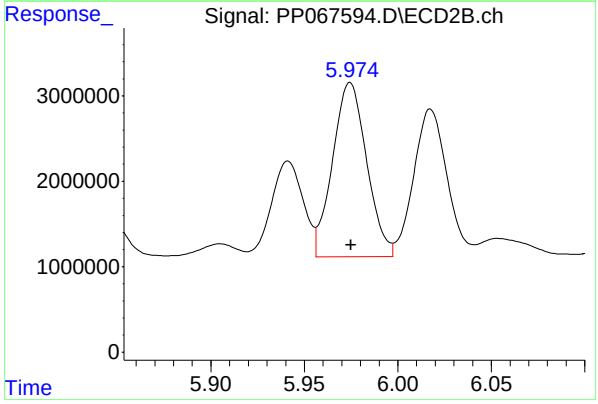
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 21894421
Conc: 888.80 ng/ml




#20 AR-1242-5

R.T.: 6.838 min
Delta R.T.: 0.003 min
Response: 22664411
Conc: 925.29 ng/ml

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




#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 25904963
Conc: 897.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
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: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.755 | 4.052 | 70898933 | 75665842 | 71.606 | 72.171 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 82232389 | 80586319 | 69.477 | 70.430 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.919 | 5.161 | 20265133 | 20927105 | 701.697 | 695.657 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 29640040 | 28743138 | 708.698 | 703.535 |
| 18) | L4 AR-1242-3 | 6.005 | 5.362 | 19473731 | 16384813 | 704.881 | 700.525 |
| 19) | L4 AR-1242-4 | 6.104 | 5.445 | 15657914 | 17086039 | 711.074 | 693.602 |
| 20) | L4 AR-1242-5 | 6.838 | 5.975 | 17483030 | 20589128 | 713.758 | 713.413 |

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

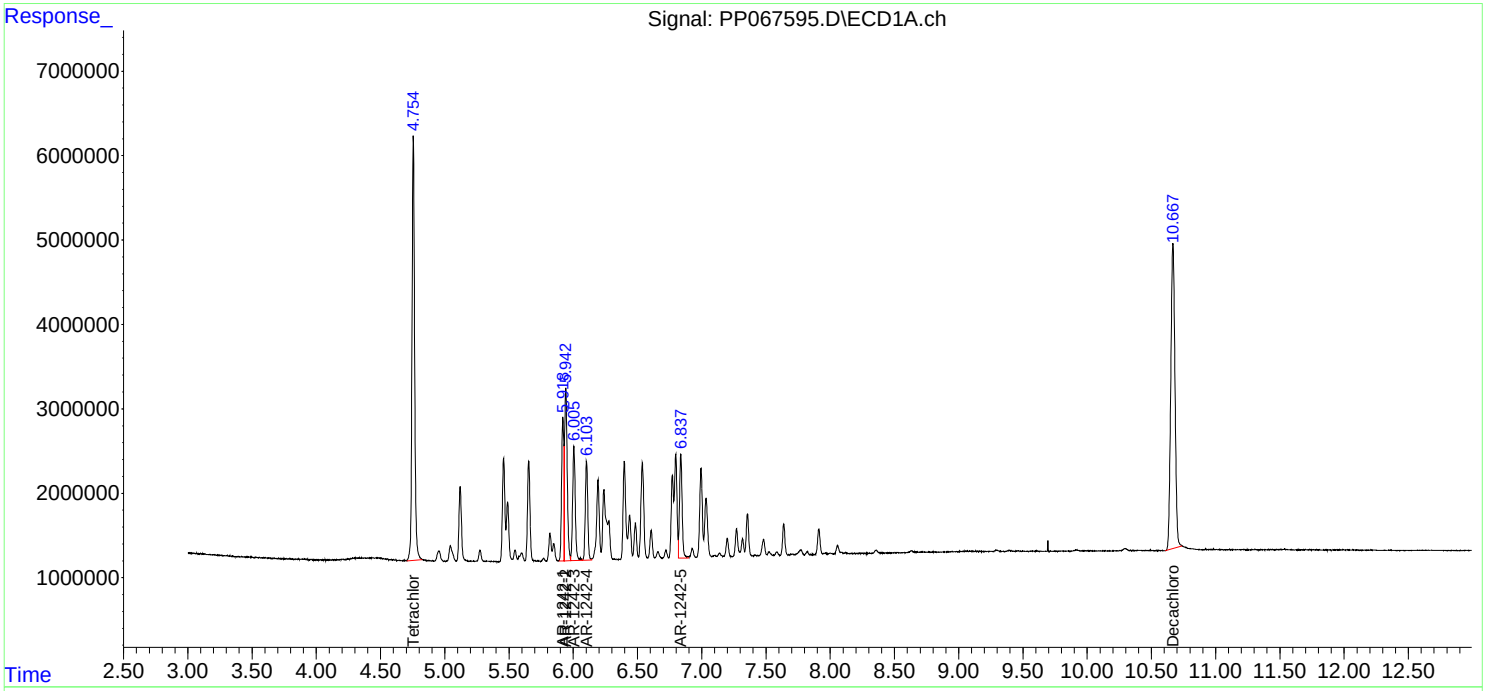
ICAL Form

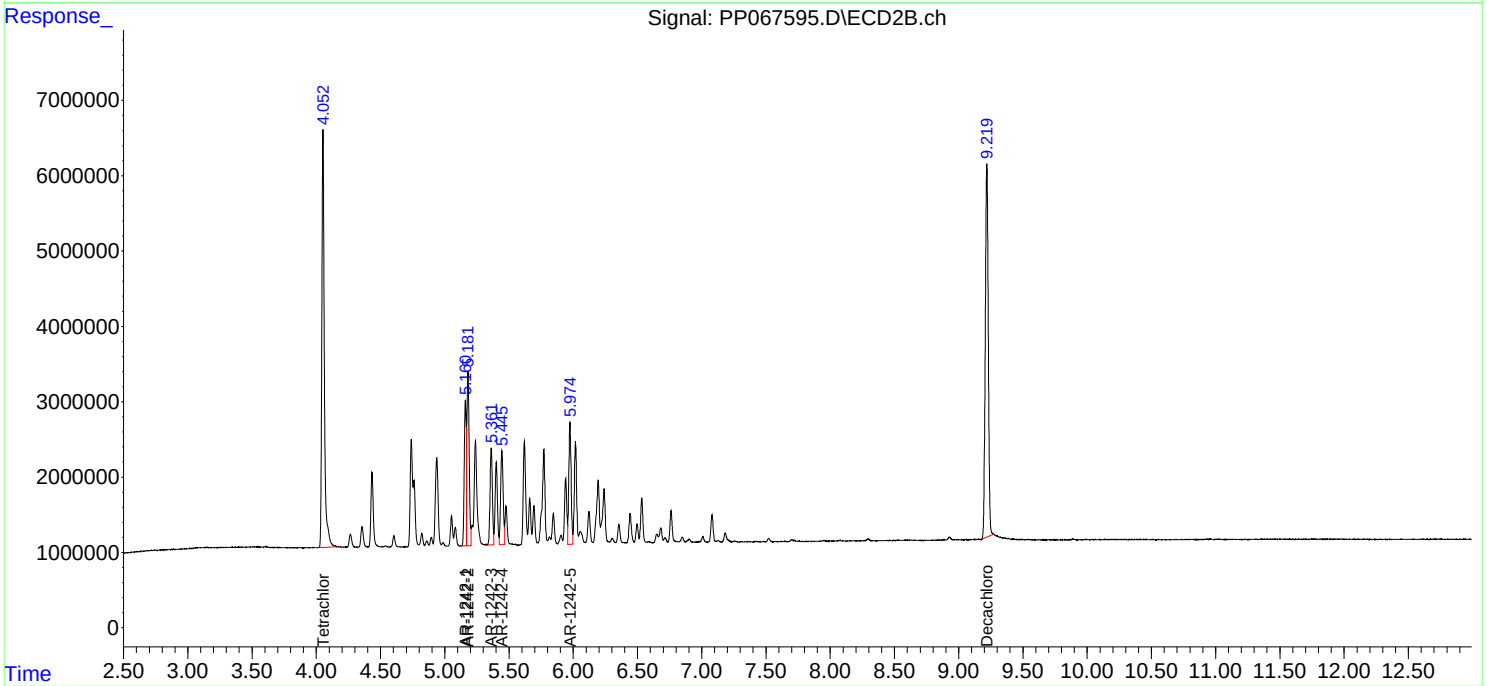
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067595.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:39
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 11 Sample Multiplier: 1

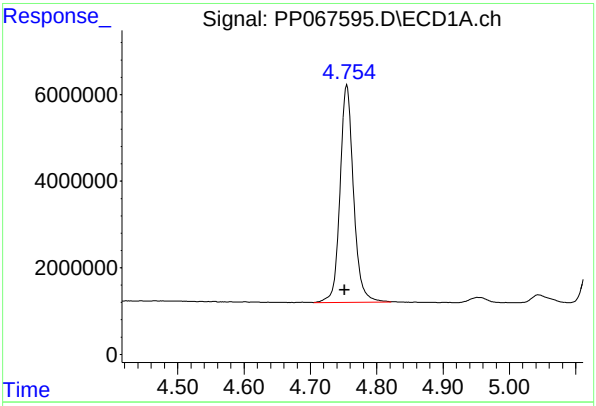
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



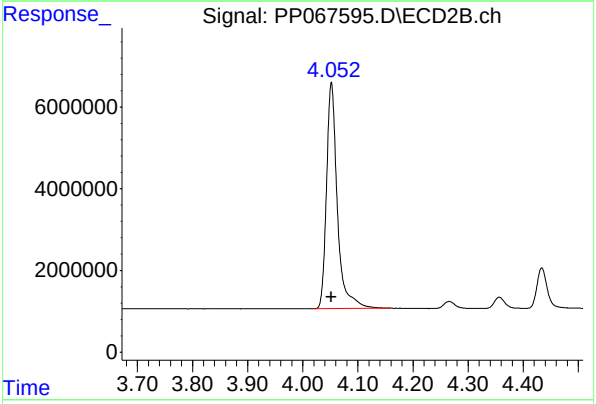






#1 Tetrachloro-m-xylene

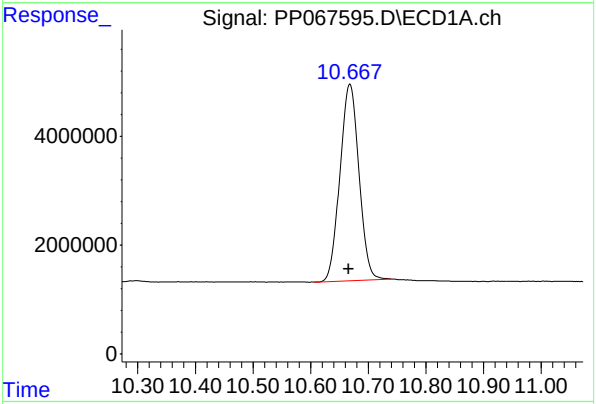
R.T.: 4.755 min
Delta R.T.: 0.003 min
Response: 70898933
Conc: 71.61 ng/ml

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



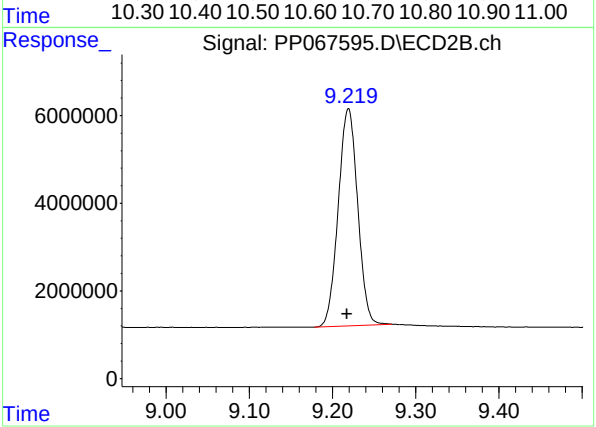

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 75665842
Conc: 72.17 ng/ml



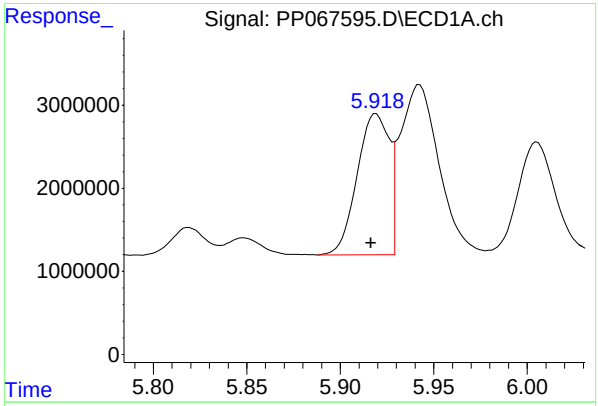

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 82232389
Conc: 69.48 ng/ml




#2 Decachlorobiphenyl

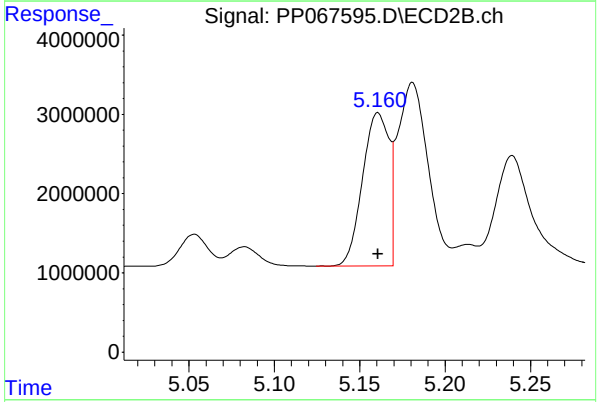
R.T.: 9.219 min
Delta R.T.: 0.002 min
Response: 80586319
Conc: 70.43 ng/ml




#16 AR-1242-1

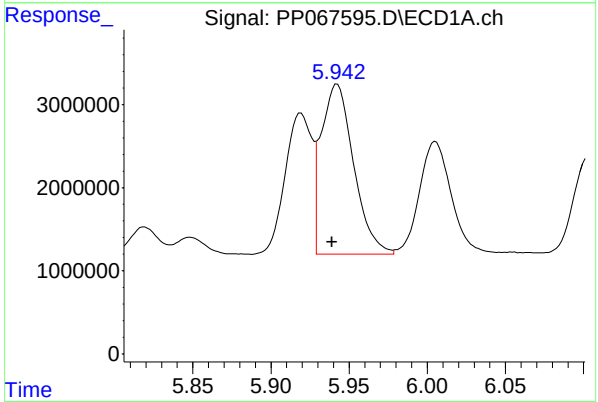
R.T.: 5.919 min
Delta R.T.: 0.003 min
Response: 20265133
Conc: 701.70 ng/ml

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



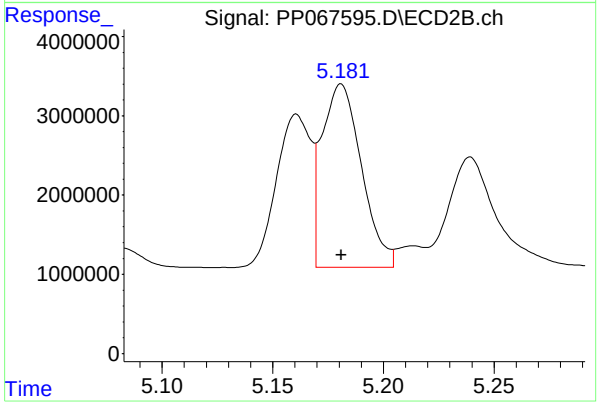

#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 20927105
Conc: 695.66 ng/ml



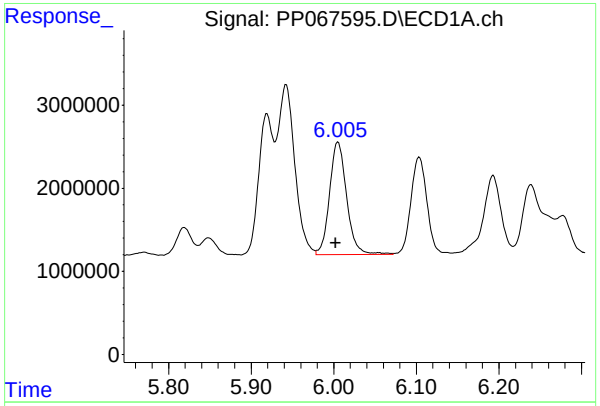

#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.003 min
Response: 29640040
Conc: 708.70 ng/ml




#17 AR-1242-2

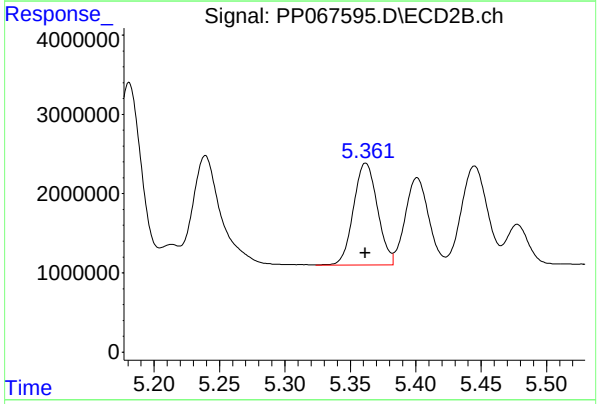
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 28743138
Conc: 703.54 ng/ml




#18 AR-1242-3

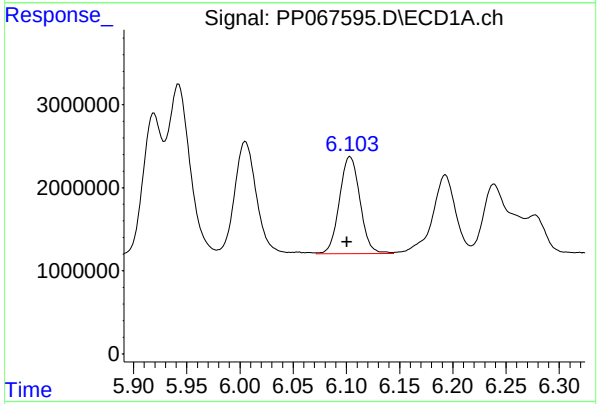
R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 19473731
Conc: 704.88 ng/ml

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



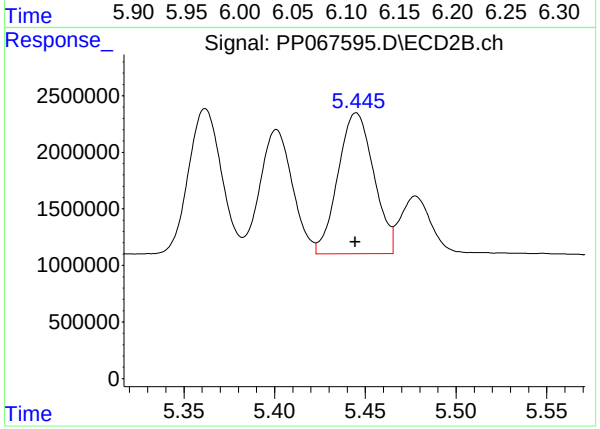

#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 16384813
Conc: 700.53 ng/ml



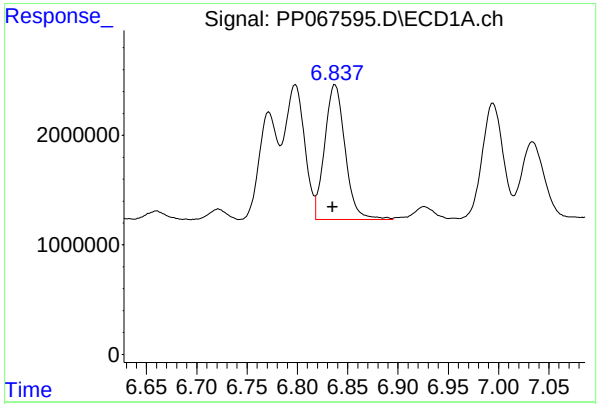

#19 AR-1242-4

R.T.: 6.104 min
Delta R.T.: 0.003 min
Response: 15657914
Conc: 711.07 ng/ml




#19 AR-1242-4

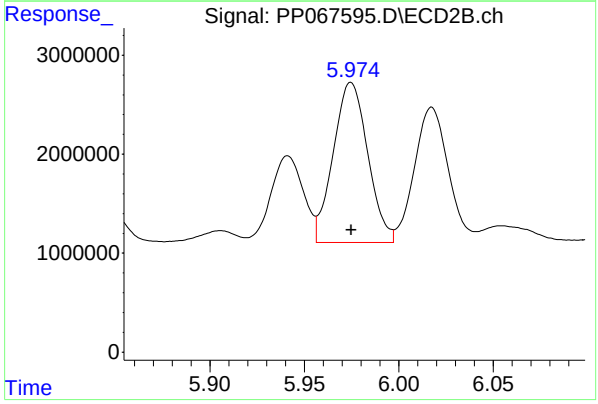
R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 17086039
Conc: 693.60 ng/ml




#20 AR-1242-5

R.T.: 6.838 min
Delta R.T.: 0.002 mi
Response: 17483030
Conc: 713.76 ng/m

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




#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 20589128
Conc: 713.41 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.752 | 4.052 | 49591914 | 52421301 | 50.087m | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 59179513 | 57209957 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.916 | 5.161 | 14440091 | 15041243 | 500.000 | 500.000 |
| 17) | L4 AR-1242-2 | 5.939 | 5.181 | 20911603 | 20427651 | 500.000 | 500.000 |
| 18) | L4 AR-1242-3 | 6.002 | 5.362 | 13813496 | 11694665 | 500.000 | 500.000 |
| 19) | L4 AR-1242-4 | 6.101 | 5.445 | 11010041 | 12316890 | 500.000 | 500.000 |
| 20) | L4 AR-1242-5 | 6.835 | 5.975 | 12247163 | 14430019 | 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\PP100824\
Data File : PP067596.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

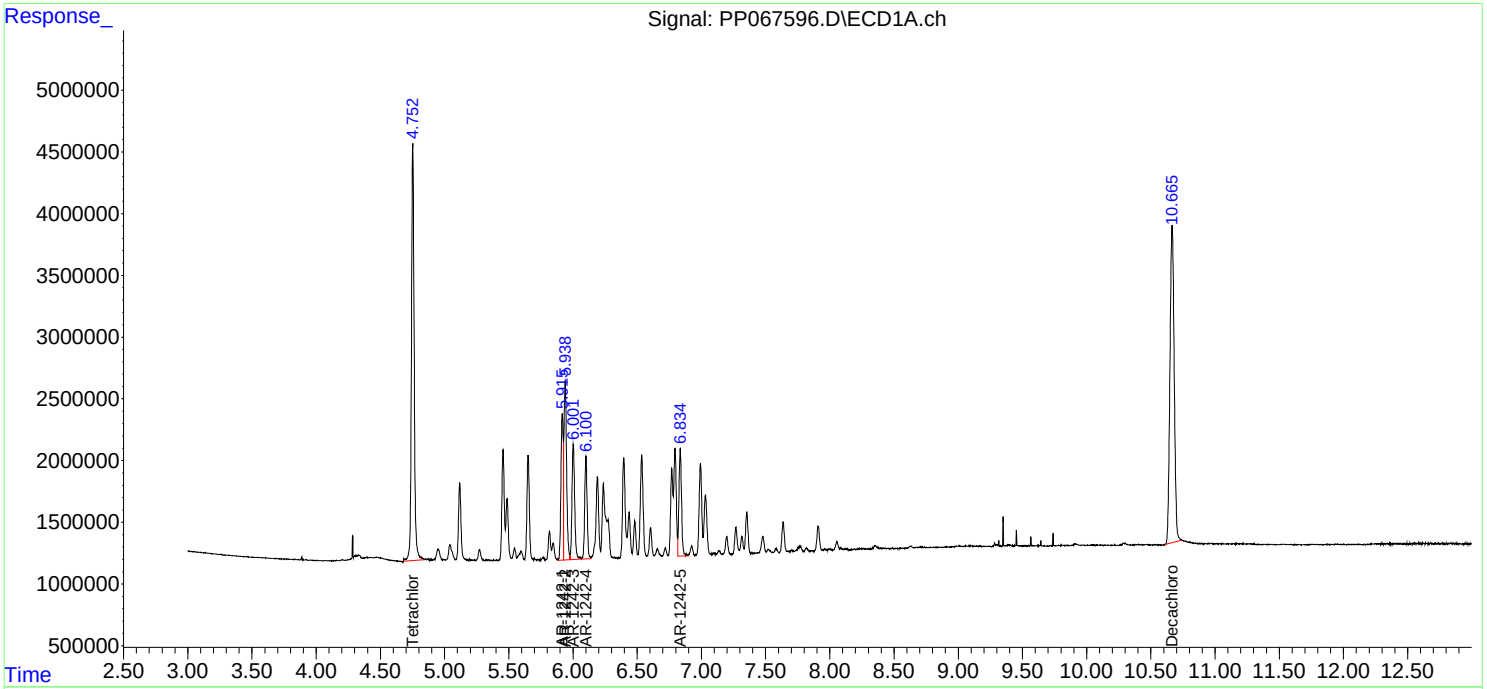
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC500

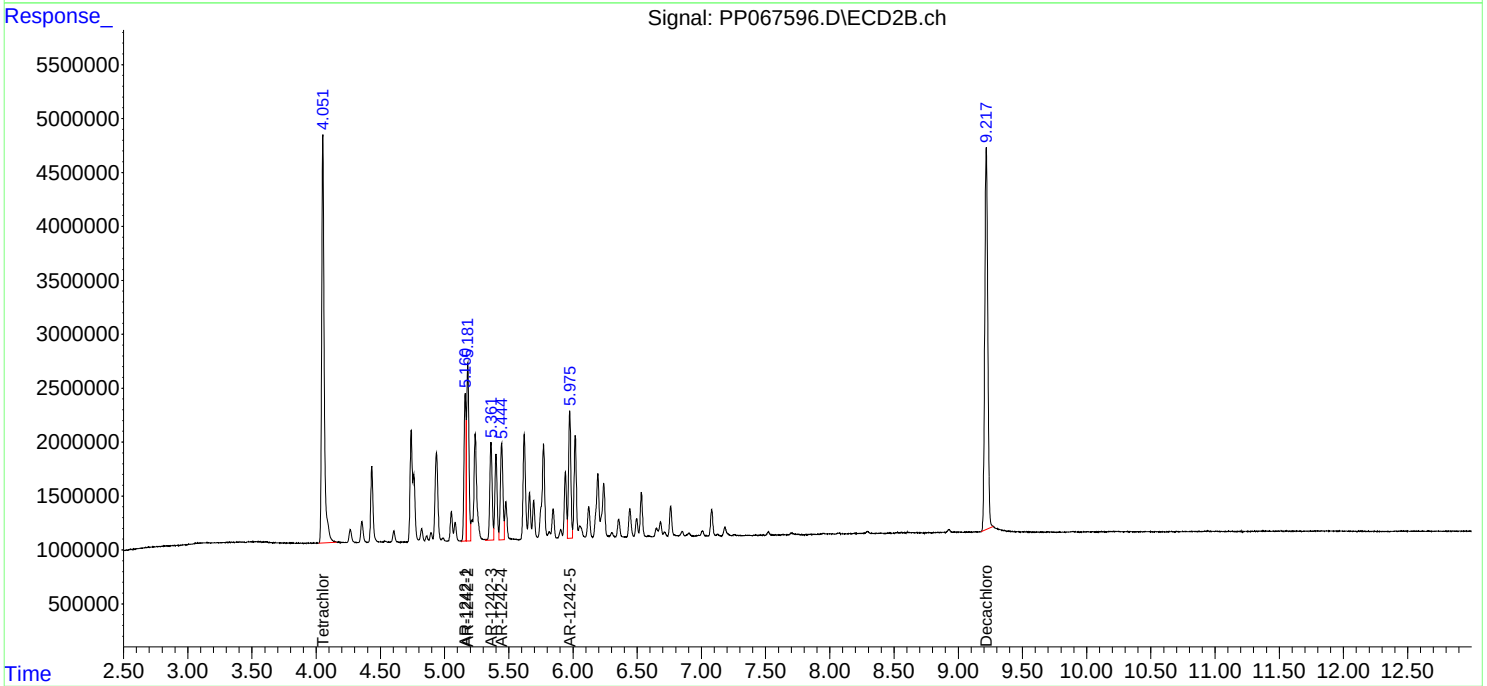
**Manual Integrations APPROVED**

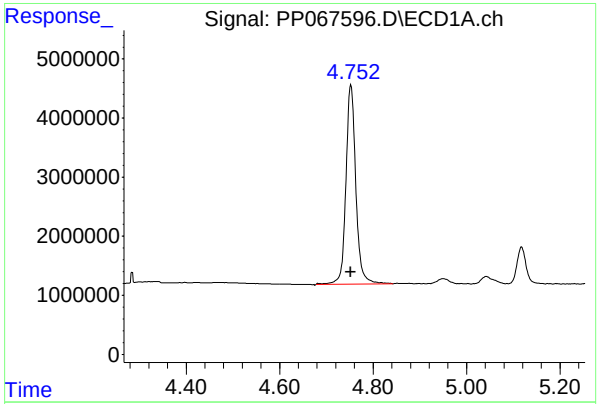
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:23:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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





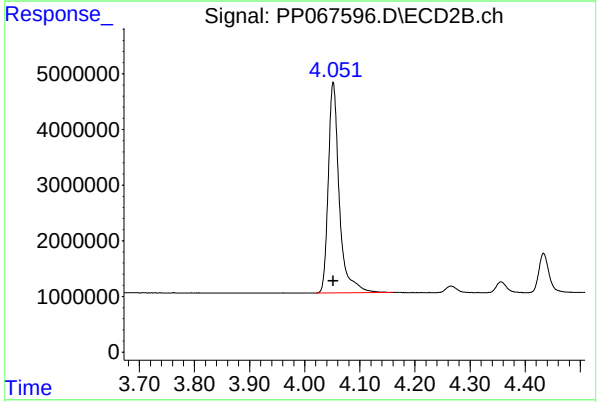

#1 Tetrachloro-m-xylene

R.T.: 4.752 min
Delta R.T.: 0.000 min
Response: 49591914
Conc: 50.09 ng/ml

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

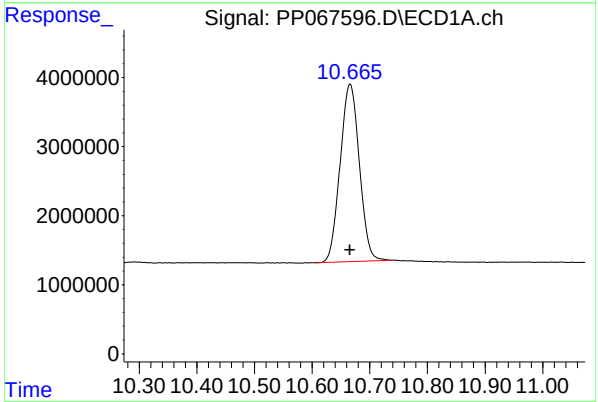
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



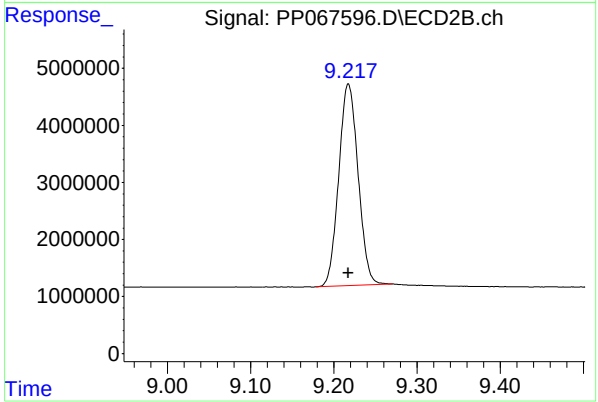

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52421301
Conc: 50.00 ng/ml



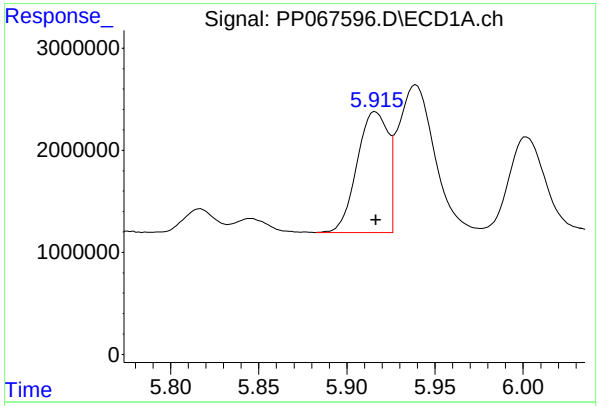

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 59179513
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 57209957
Conc: 50.00 ng/ml



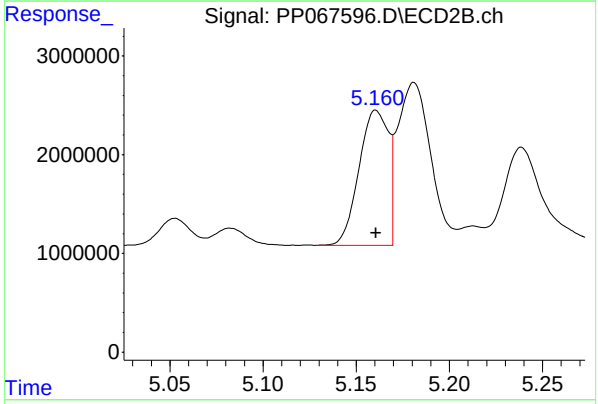

#16 AR-1242-1

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 14440091
Conc: 500.00 ng/ml

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

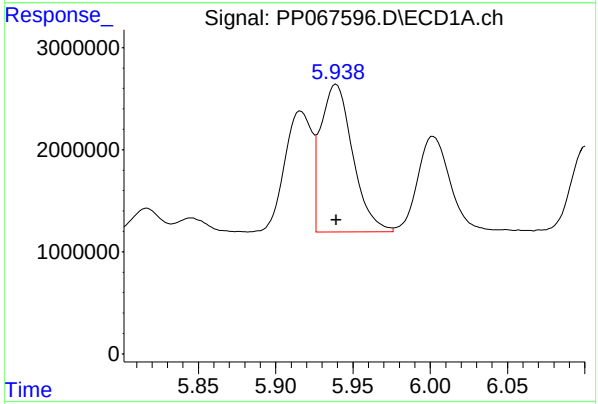
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



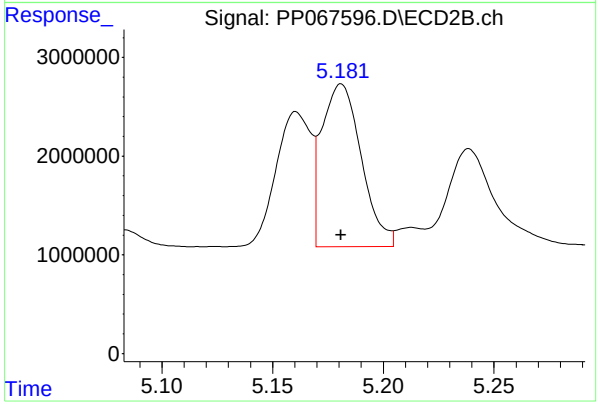

#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 15041243
Conc: 500.00 ng/ml



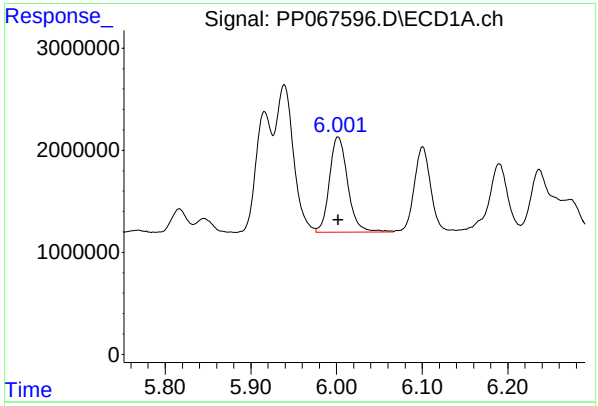

#17 AR-1242-2

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 20911603
Conc: 500.00 ng/ml




#17 AR-1242-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 20427651
Conc: 500.00 ng/ml



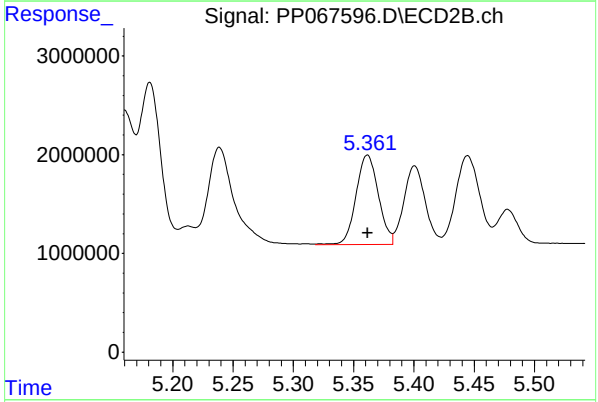

#18 AR-1242-3

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 13813496
Conc: 500.00 ng/ml

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

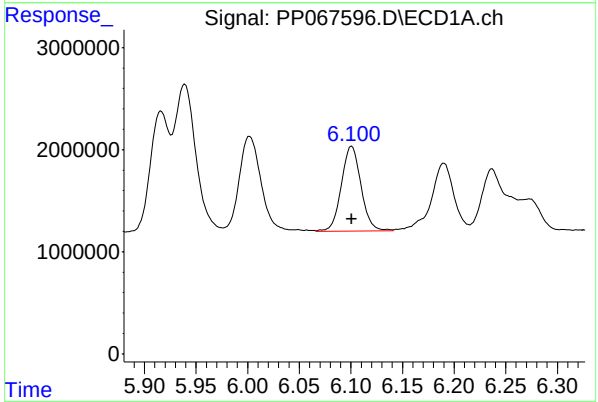
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



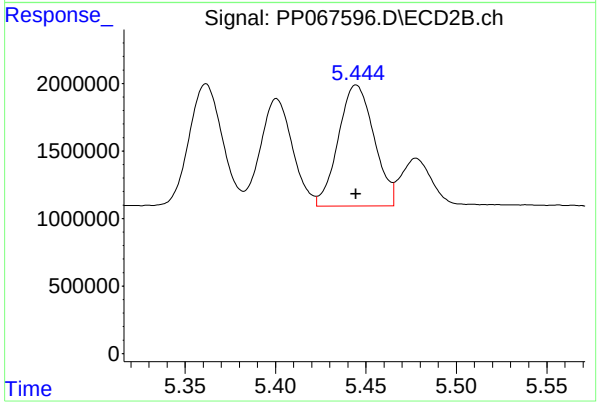

#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 11694665
Conc: 500.00 ng/ml



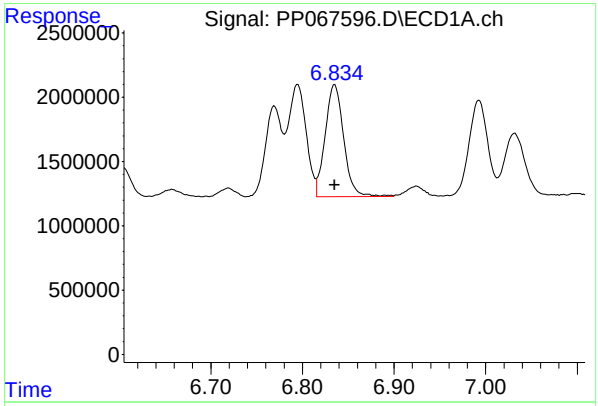

#19 AR-1242-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 11010041
Conc: 500.00 ng/ml




#19 AR-1242-4

R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 12316890
Conc: 500.00 ng/ml



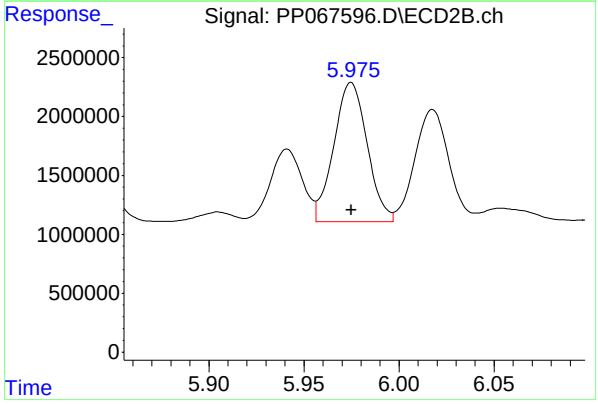

#20 AR-1242-5

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 12247163
Conc: 500.00 ng/ml

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 14430019
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
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: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.755 | 4.051 | 24714146 | 26992640 | 24.961 | 25.746 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 31835407 | 30686591 | 26.897 | 26.819 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.919 | 5.160 | 7532960 | 7966048 | 260.835 | 264.807 |
| 17) | L4 AR-1242-2 | 5.942 | 5.181 | 10856012 | 10764640 | 259.569 | 263.482 |
| 18) | L4 AR-1242-3 | 6.005 | 5.361 | 7003429 | 5902002 | 253.500 | 252.337 |
| 19) | L4 AR-1242-4 | 6.103 | 5.444 | 5549729 | 6325659 | 252.030 | 256.788 |
| 20) | L4 AR-1242-5 | 6.837 | 5.974 | 6362457 | 7698031 | 259.752 | 266.737 |

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

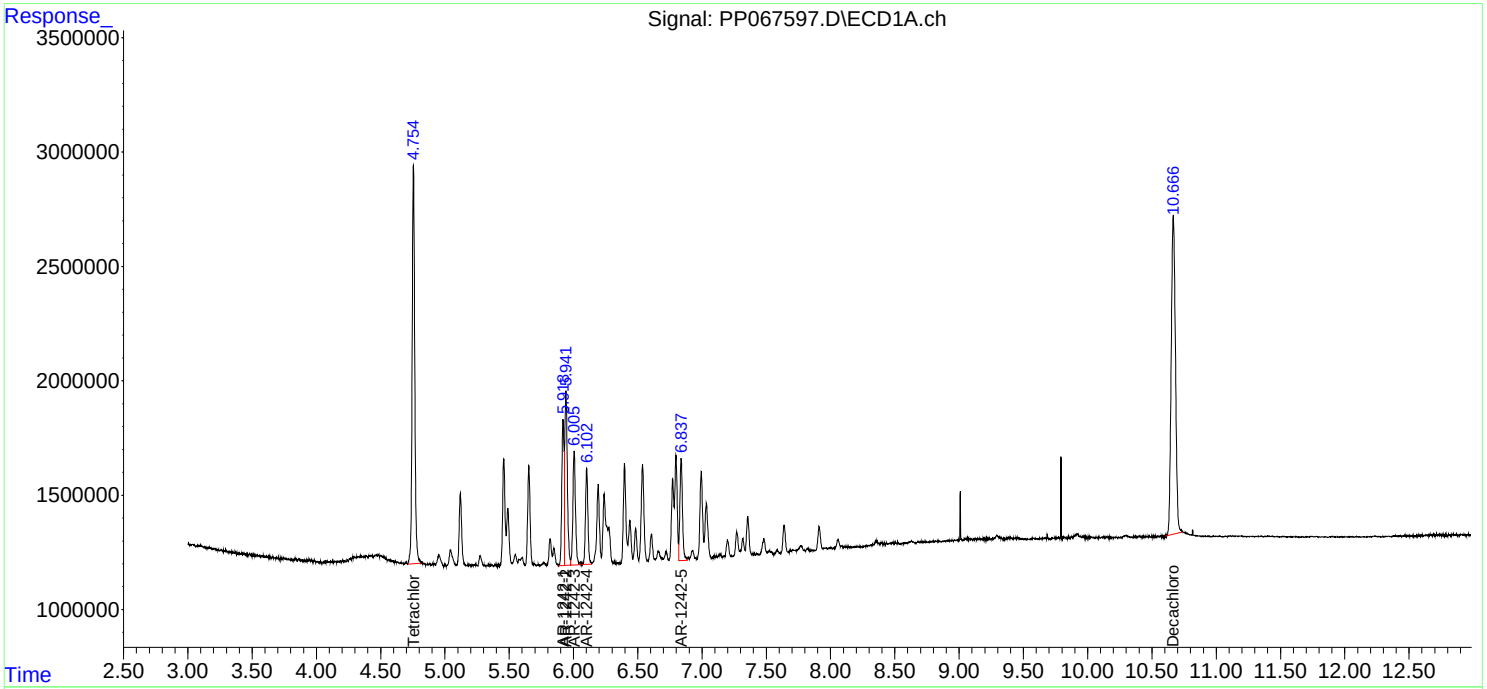
ICAL Form

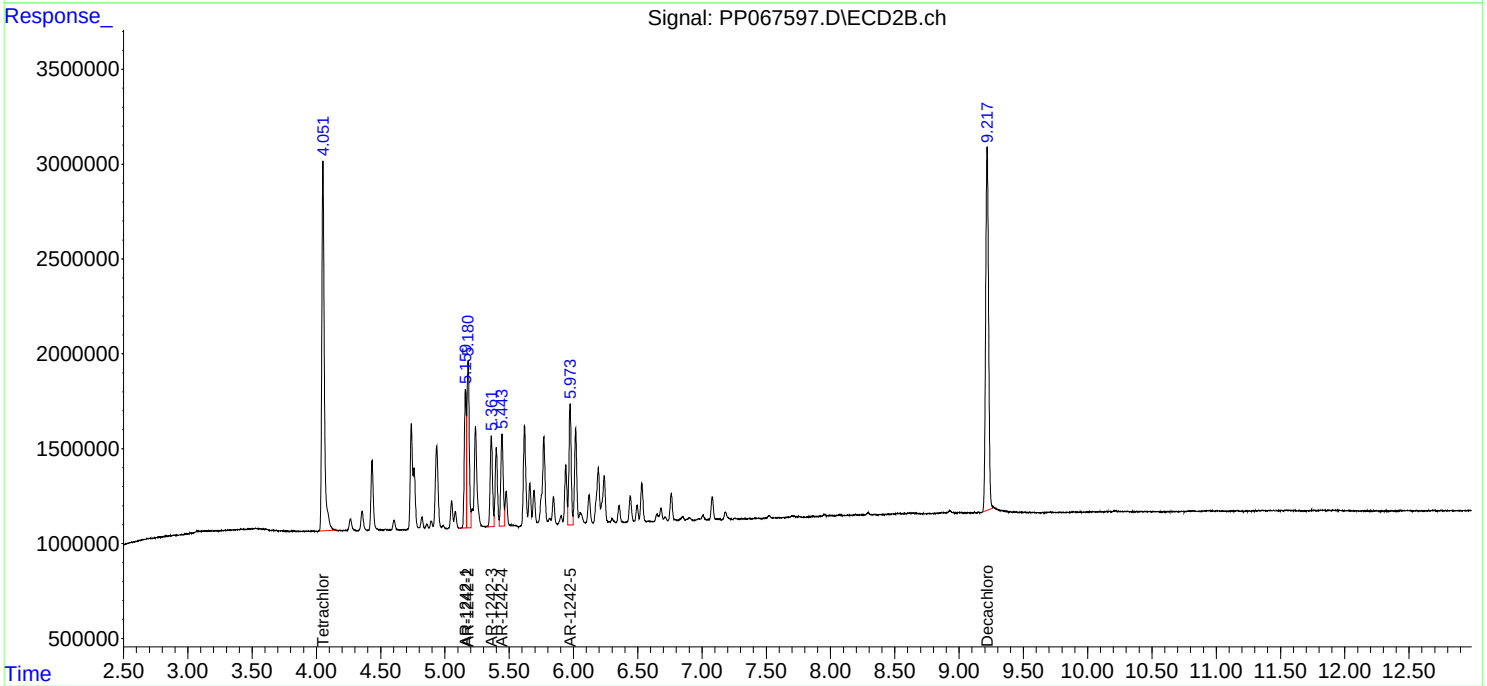
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067597.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:12
Operator : YP\AJ
Sample : AR1242ICC250
Misc :
ALS Vial : 13 Sample Multiplier: 1

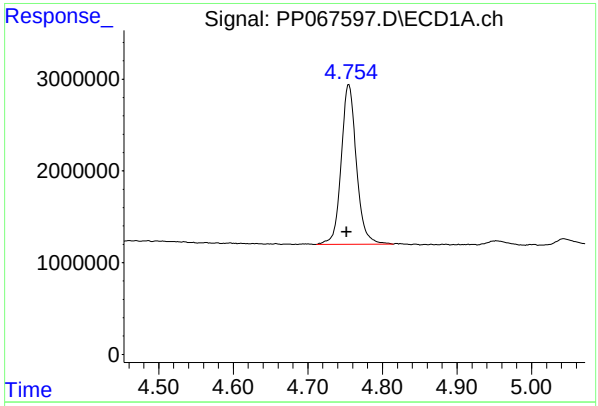
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:27:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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



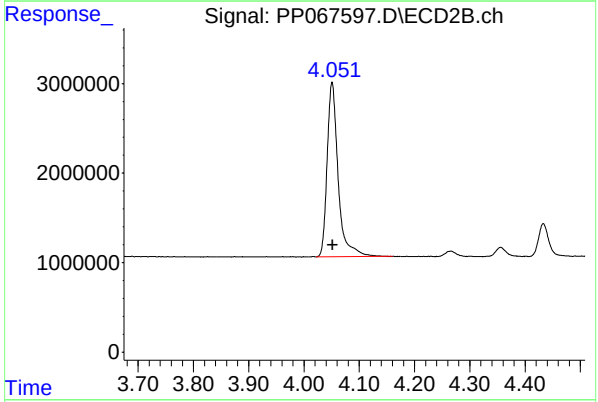






#1 Tetrachloro-m-xylene

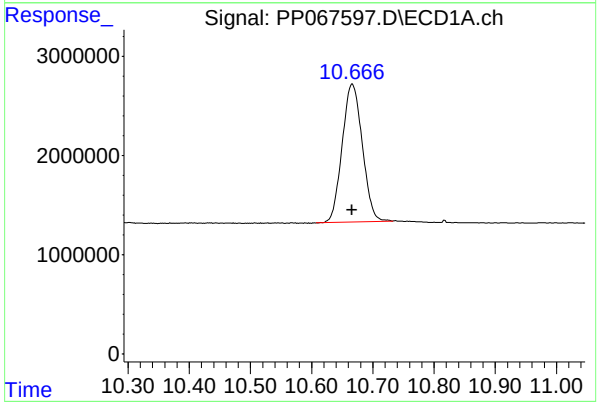
R.T.: 4.755 min
Delta R.T.: 0.003 min
Response: 24714146
Conc: 24.96 ng/ml

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



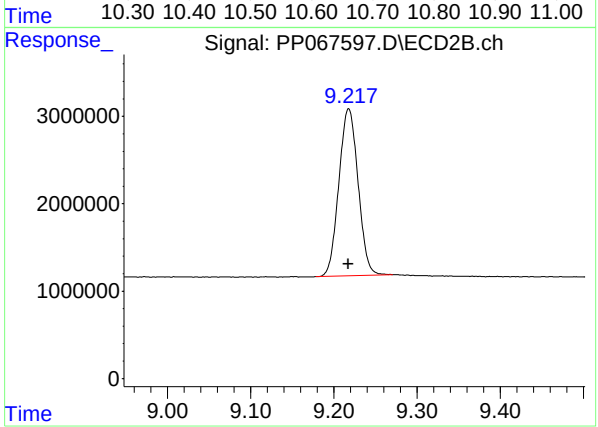

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 26992640
Conc: 25.75 ng/ml



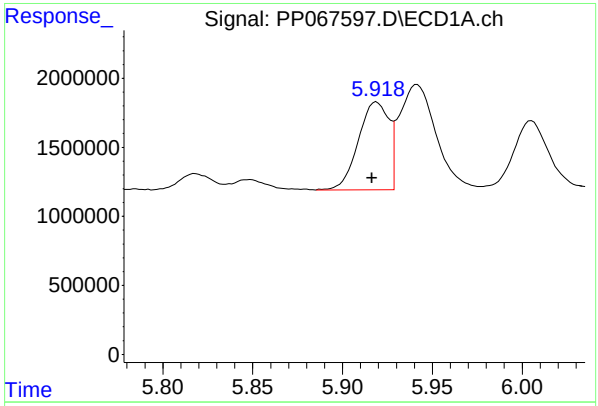

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 31835407
Conc: 26.90 ng/ml




#2 Decachlorobiphenyl

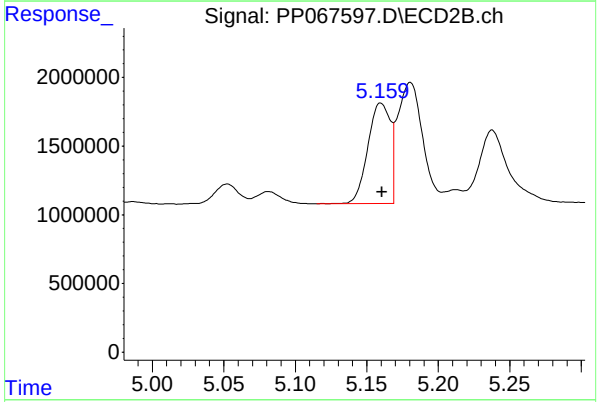
R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 30686591
Conc: 26.82 ng/ml




#16 AR-1242-1

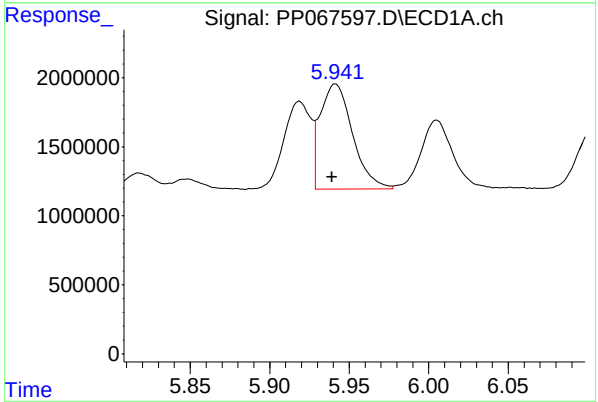
R.T.: 5.919 min
Delta R.T.: 0.003 min
Response: 7532960
Conc: 260.83 ng/ml

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



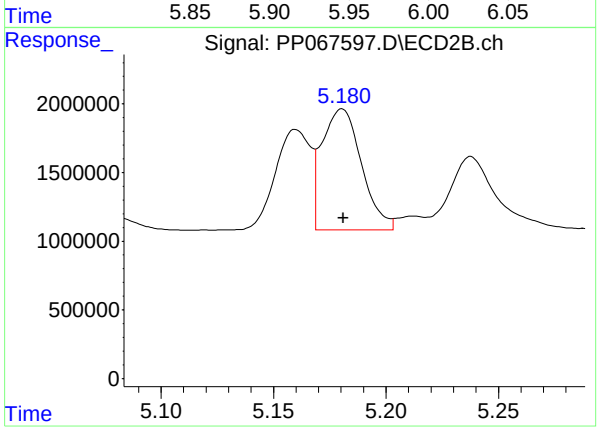

#16 AR-1242-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 7966048
Conc: 264.81 ng/ml



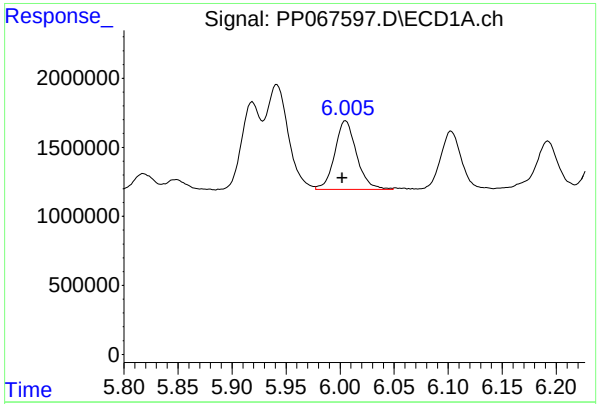

#17 AR-1242-2

R.T.: 5.942 min
Delta R.T.: 0.002 min
Response: 10856012
Conc: 259.57 ng/ml




#17 AR-1242-2

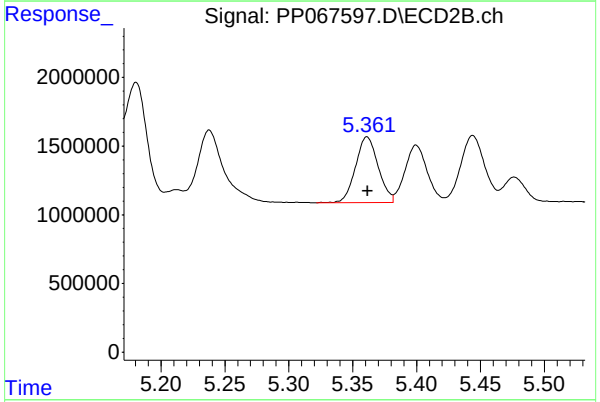
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 10764640
Conc: 263.48 ng/ml




#18 AR-1242-3

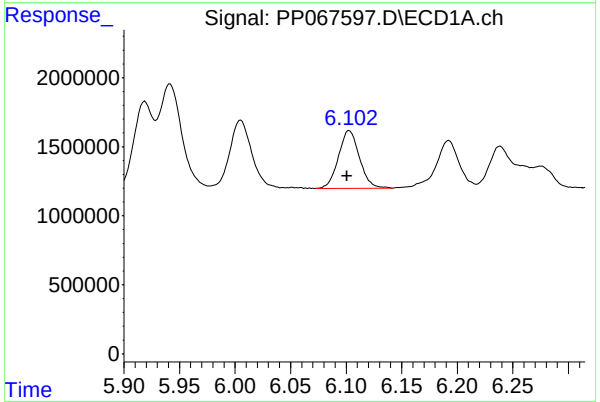
R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 7003429
Conc: 253.50 ng/ml

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



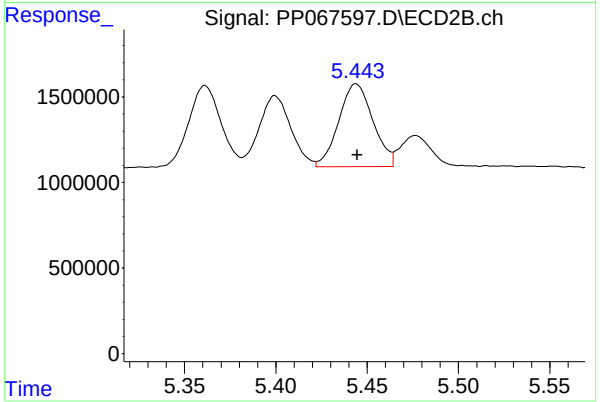

#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 5902002
Conc: 252.34 ng/ml



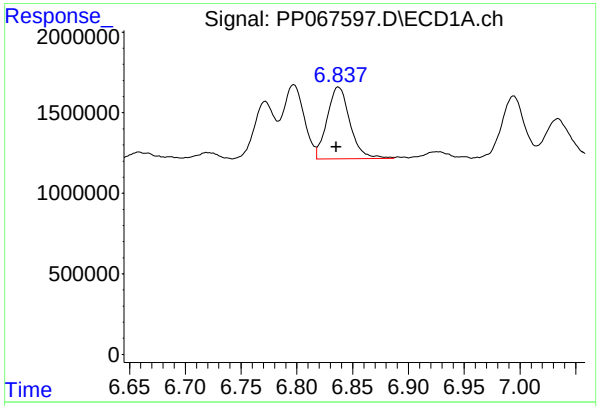

#19 AR-1242-4

R.T.: 6.103 min
Delta R.T.: 0.002 min
Response: 5549729
Conc: 252.03 ng/ml




#19 AR-1242-4

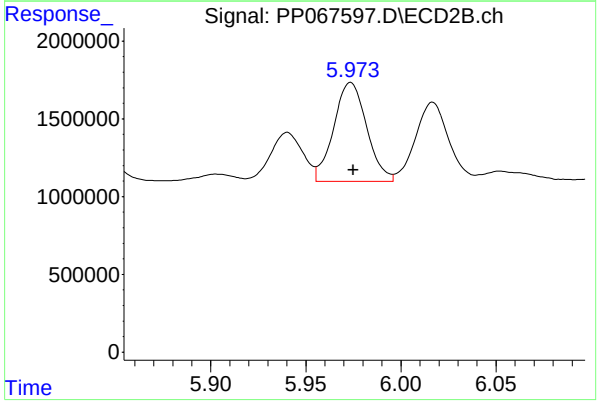
R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 6325659
Conc: 256.79 ng/ml




#20 AR-1242-5

R.T.: 6.837 min
Delta R.T.: 0.002 mi
Response: 6362457
Conc: 259.75 ng/m

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




#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: -0.001 min
Response: 7698031
Conc: 266.74 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 4223721 | 4977037 | 4.266m | 4.747 |
| 2) | SA Decachlor... | 10.668 | 9.219 | 6053974 | 6041919 | 5.115 | 5.280 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.918 | 5.161 | 1375850 | 1444472 | 47.640 | 48.017 |
| 17) | L4 AR-1242-2 | 5.940 | 5.181 | 2042273 | 2066334 | 48.831 | 50.577 |
| 18) | L4 AR-1242-3 | 6.005 | 5.362 | 1422150 | 1121076 | 51.477 | 47.931 |
| 19) | L4 AR-1242-4 | 6.103 | 5.445 | 1111811 | 1203814 | 50.491 | 48.868 |
| 20) | L4 AR-1242-5 | 6.836 | 5.975 | 1235510 | 1511927 | 50.441 | 52.388 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067598.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:28
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 14 Sample Multiplier: 1

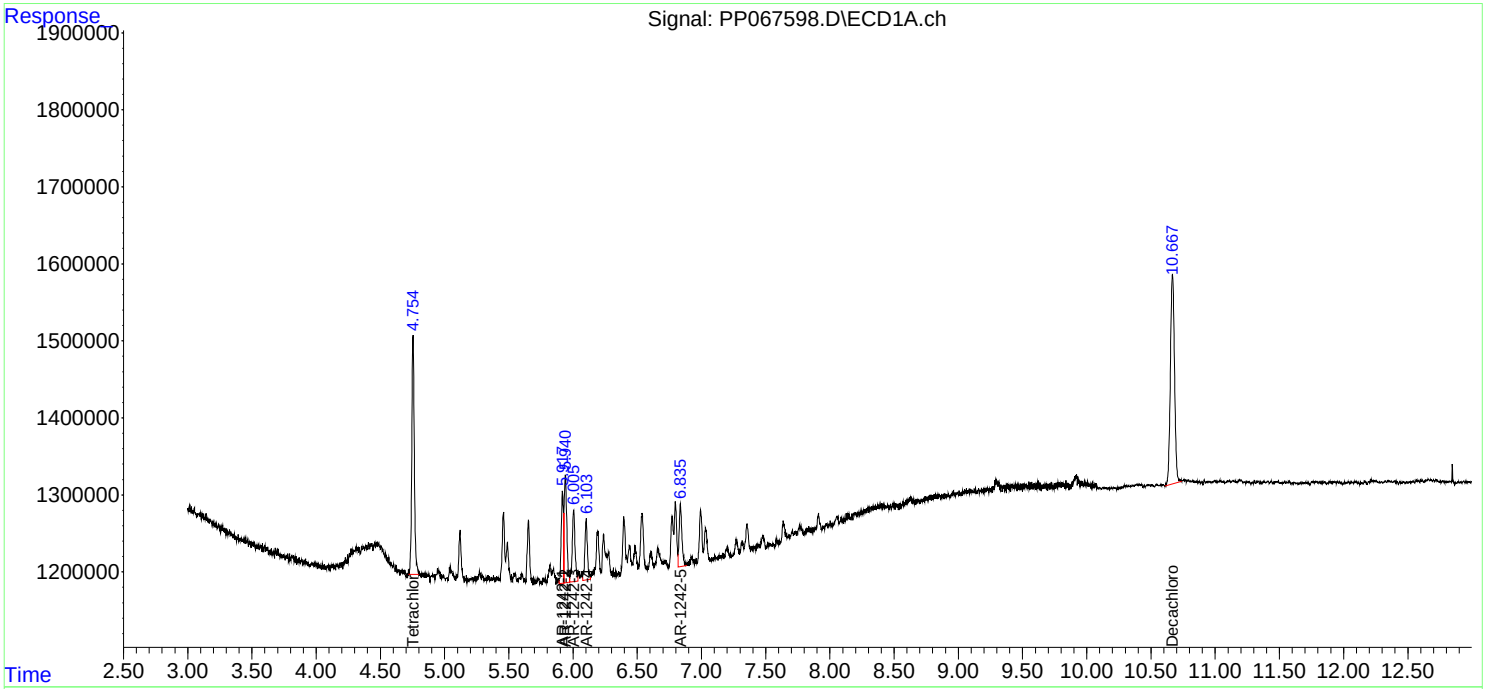
**Instrument :**
ECD_P
**ClientSampleId :**
AR1242ICC050

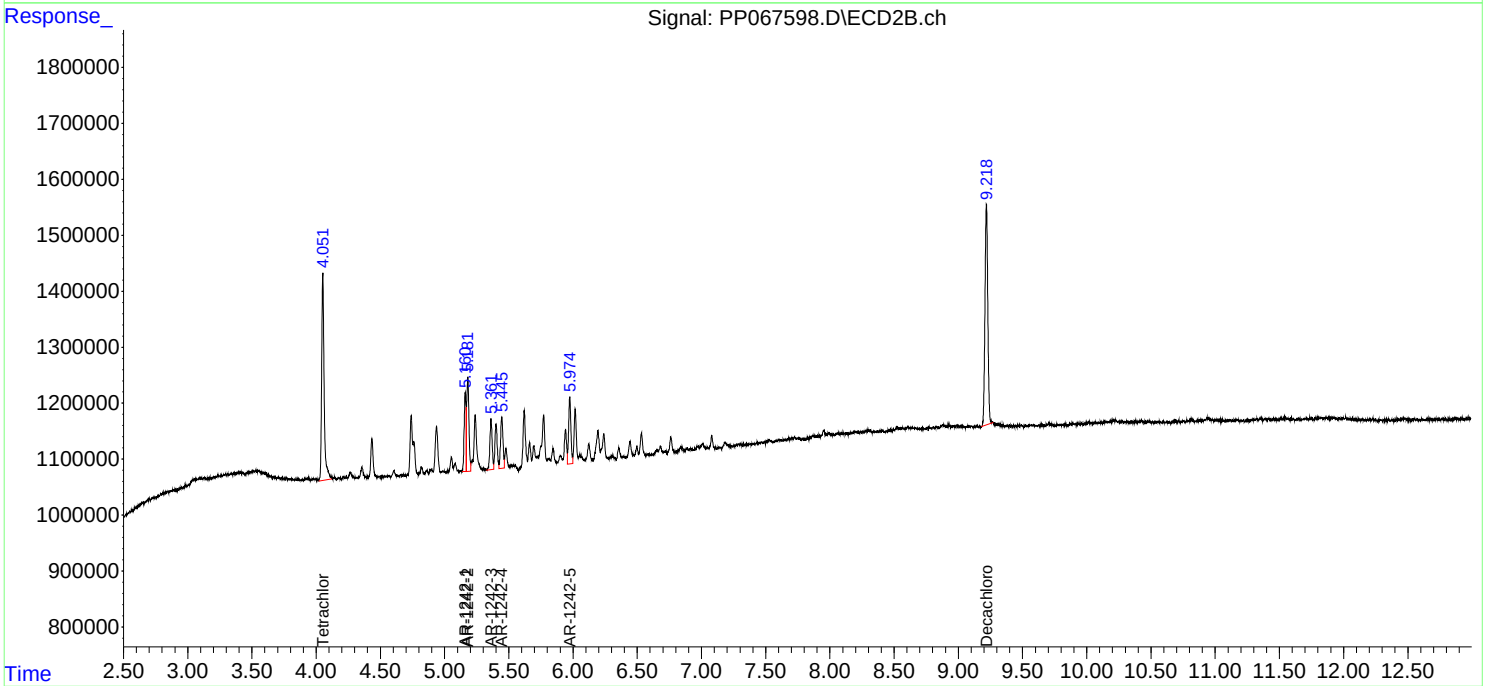
**Manual Integrations APPROVED**

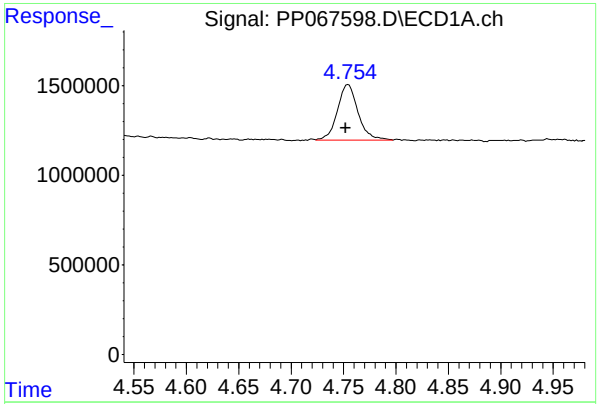
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:28:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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





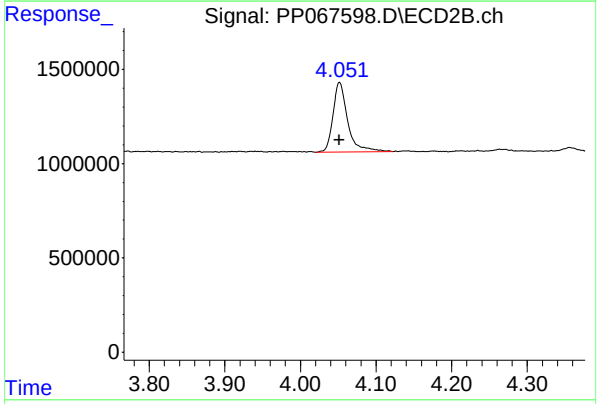

#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.002 min
Response: 4223721
Conc: 4.27 ng/ml

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

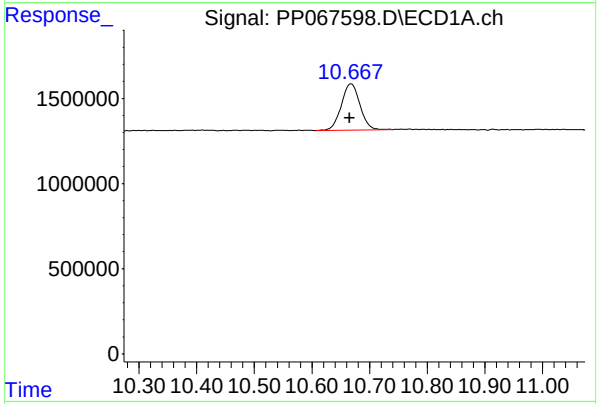
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



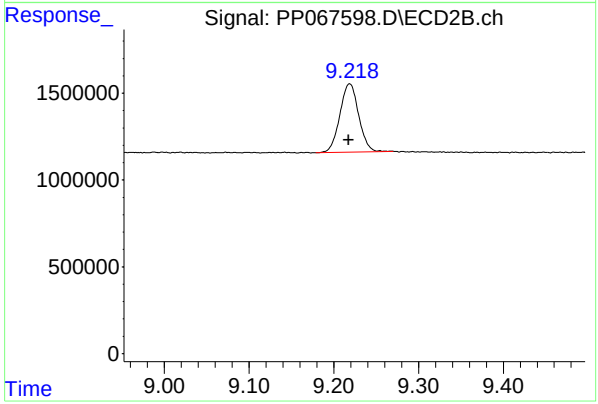

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4977037
Conc: 4.75 ng/ml



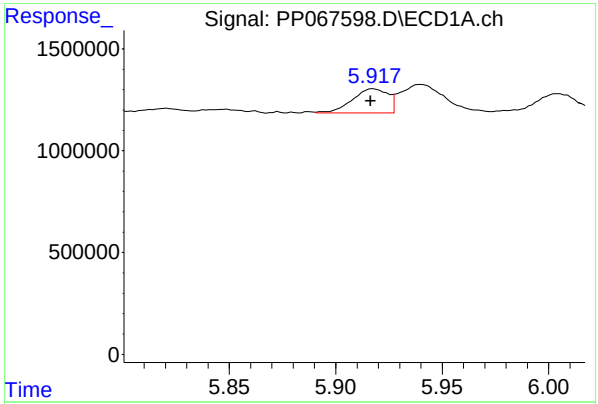

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 6053974
Conc: 5.11 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.219 min
Delta R.T.: 0.001 min
Response: 6041919
Conc: 5.28 ng/ml



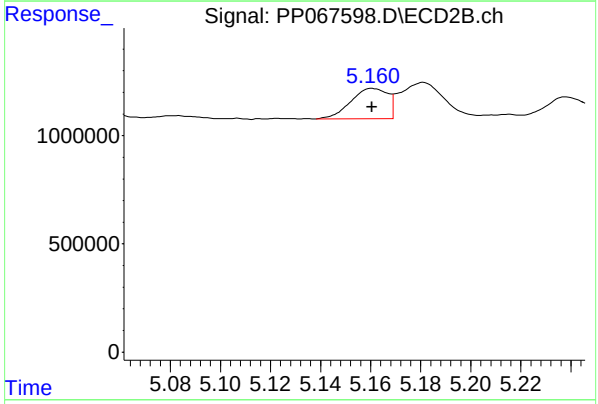

#16 AR-1242-1

R.T.: 5.918 min
Delta R.T.: 0.001 min
Response: 1375850
Conc: 47.64 ng/ml

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

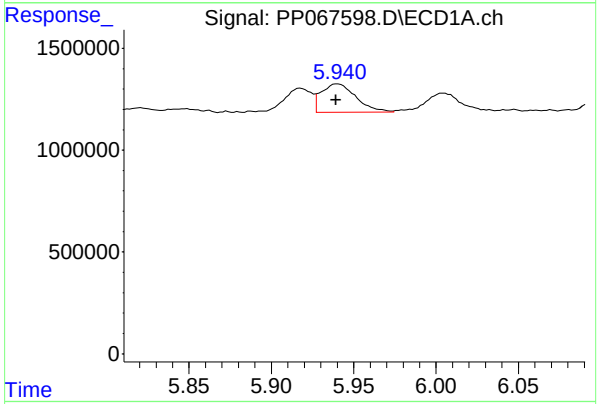
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



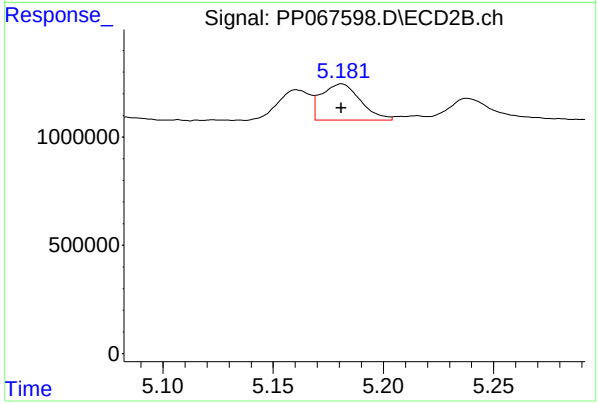

#16 AR-1242-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 1444472
Conc: 48.02 ng/ml



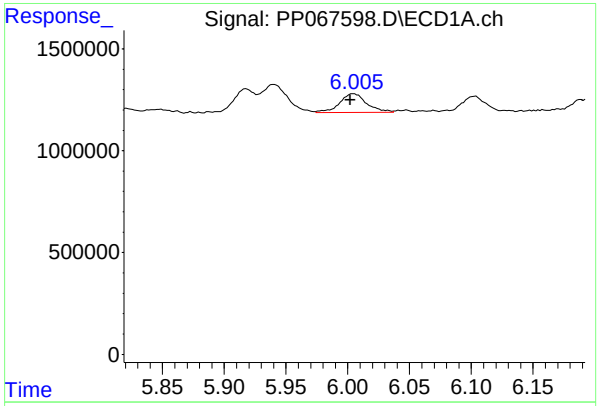

#17 AR-1242-2

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 2042273
Conc: 48.83 ng/ml




#17 AR-1242-2

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2066334
Conc: 50.58 ng/ml



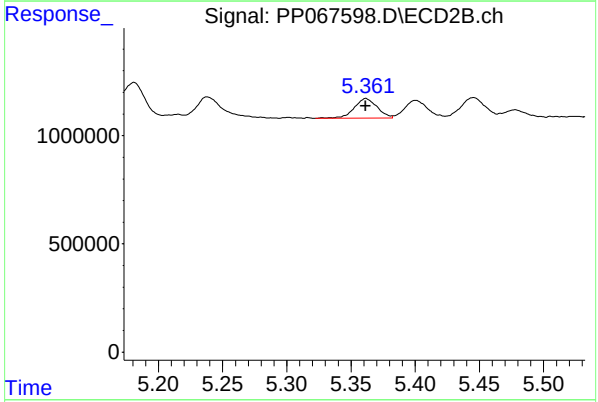

#18 AR-1242-3

R.T.: 6.005 min
Delta R.T.: 0.003 min
Response: 1422150
Conc: 51.48 ng/ml

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

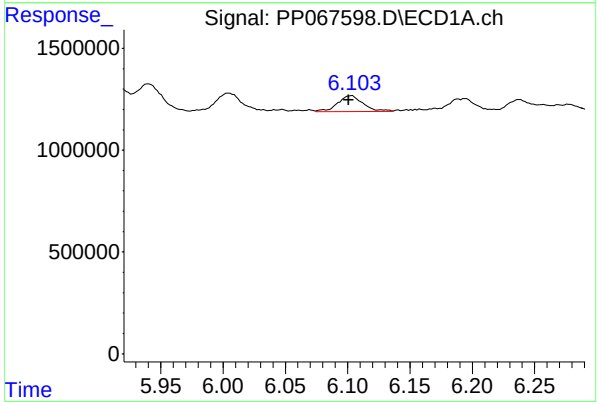
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



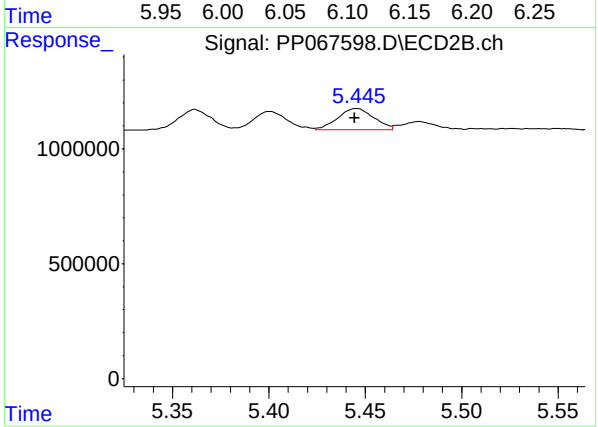

#18 AR-1242-3

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 1121076
Conc: 47.93 ng/ml



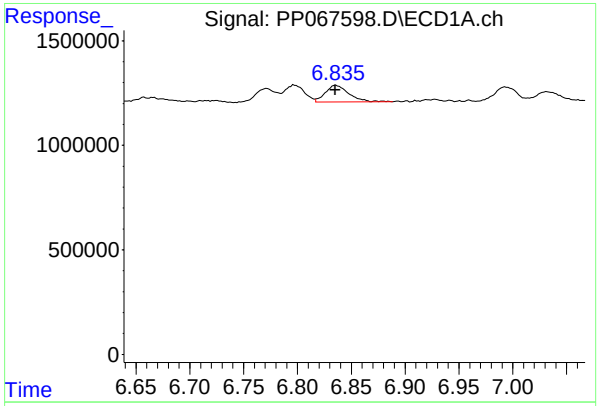

#19 AR-1242-4

R.T.: 6.103 min
Delta R.T.: 0.002 min
Response: 1111811
Conc: 50.49 ng/ml




#19 AR-1242-4

R.T.: 5.445 min
Delta R.T.: 0.000 min
Response: 1203814
Conc: 48.87 ng/ml



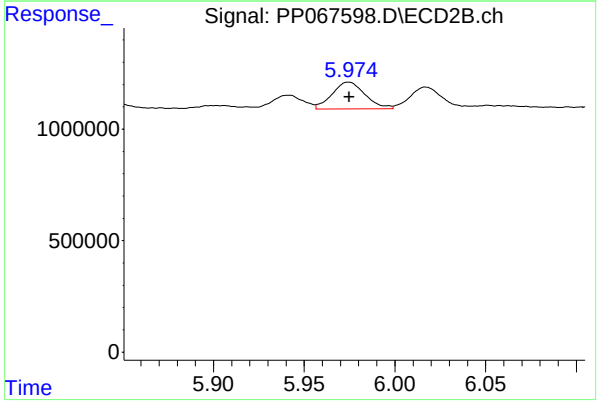

#20 AR-1242-5

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 1235510
Conc: 50.44 ng/ml

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

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#20 AR-1242-5

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 1511927
Conc: 52.39 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
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: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 90214696 | 95265612 | 94.578 | 95.209 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 105.5E6 | 103.2E6 | 90.237 | 91.240 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 19592099 | 20323070 | 894.603 | 888.868 |
| 22) | L5 AR-1248-2 | 6.192 | 5.400 | 29912773 | 29599820 | 872.727 | 892.276 |
| 23) | L5 AR-1248-3 | 6.396 | 5.444 | 33038688 | 31098926 | 878.150 | 896.577 |
| 24) | L5 AR-1248-4 | 6.797 | 5.619 | 36925252 | 36529837 | 883.372 | 905.795 |
| 25) | L5 AR-1248-5 | 6.837 | 6.017 | 36740691 | 34201195 | 896.464 | 909.218 |

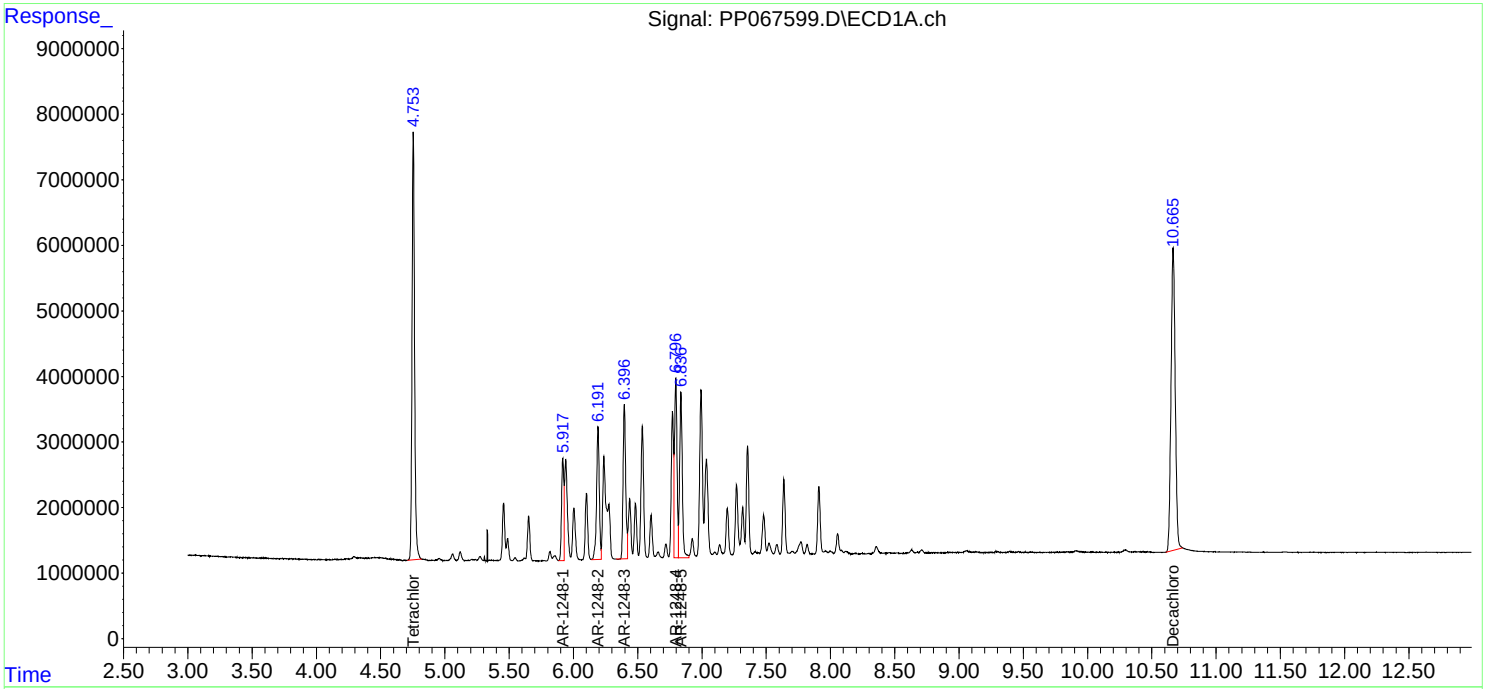
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

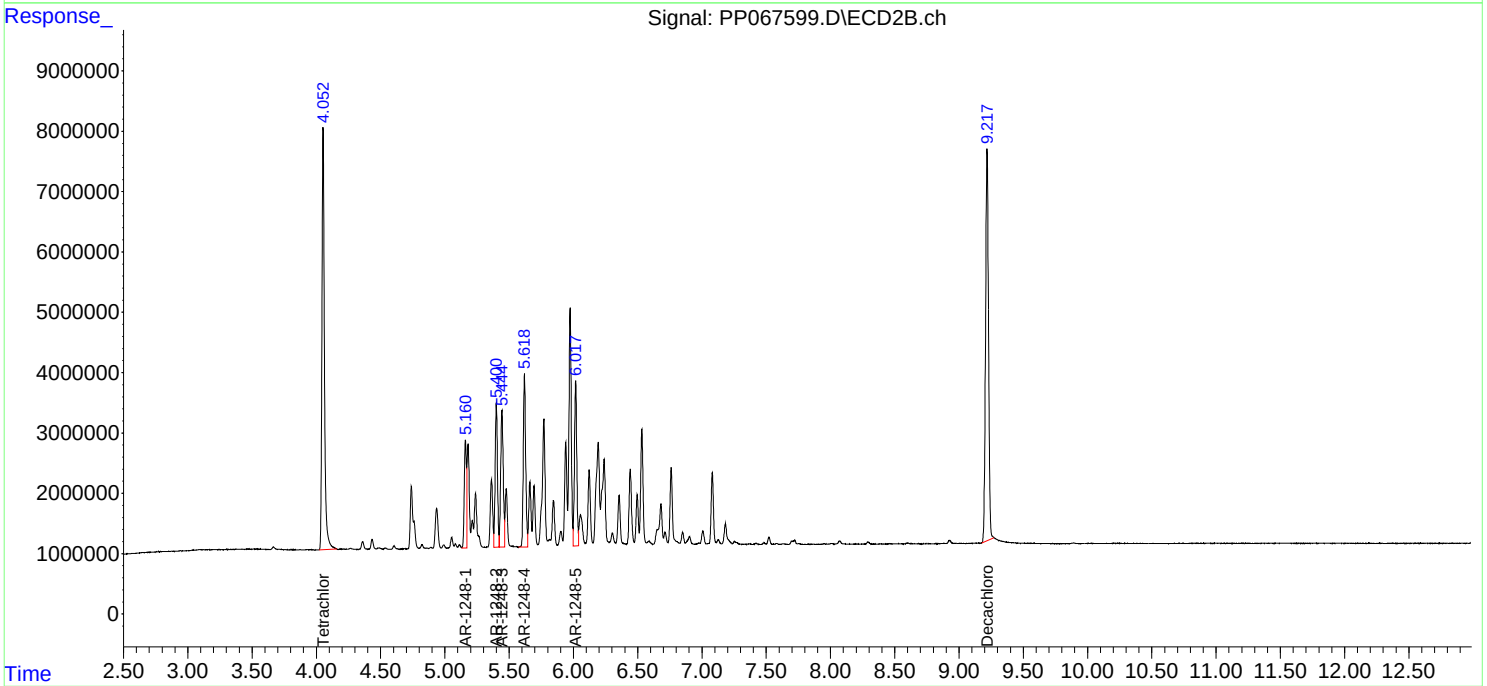
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067599.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 19:44
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 15 Sample Multiplier: 1

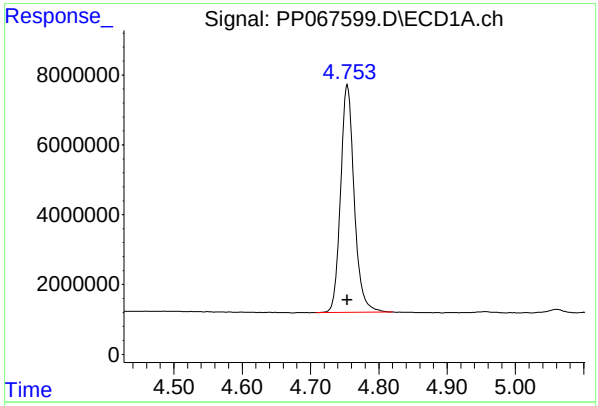
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



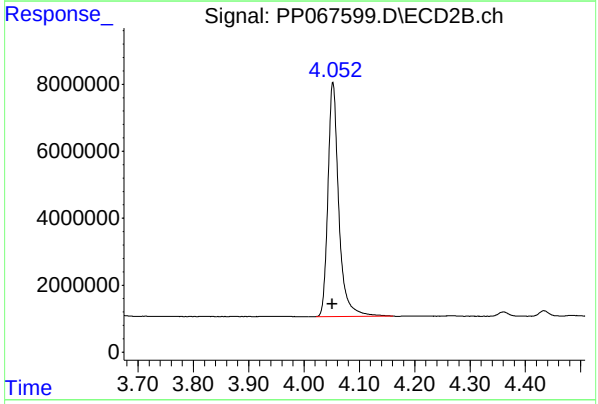






#1 Tetrachloro-m-xylene

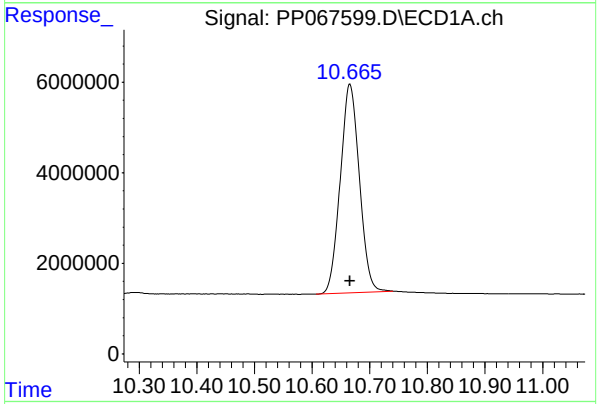
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 90214696
Conc: 94.58 ng/ml

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



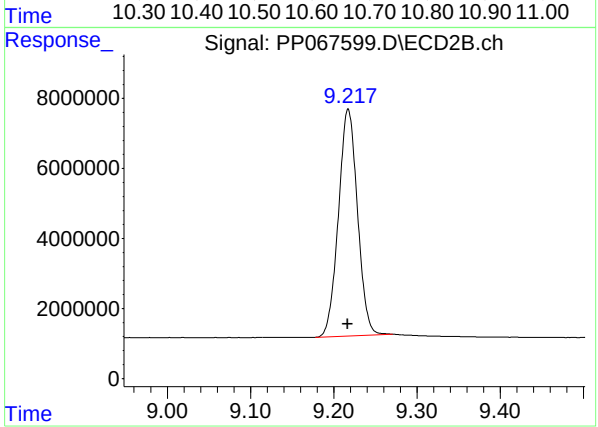

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 95265612
Conc: 95.21 ng/ml



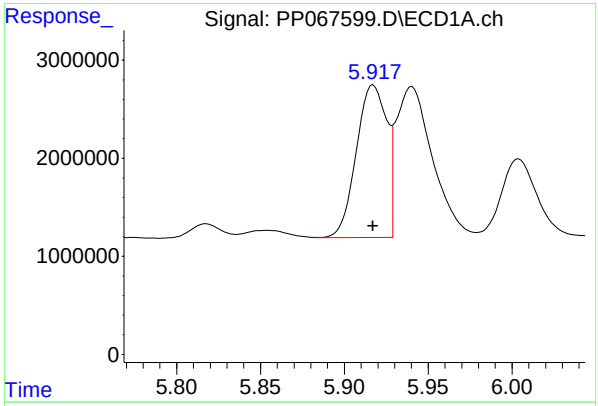

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 105545082
Conc: 90.24 ng/ml




#2 Decachlorobiphenyl

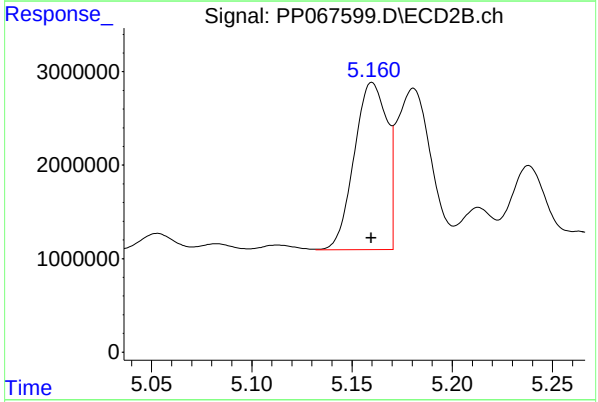
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 103235341
Conc: 91.24 ng/ml




#21 AR-1248-1

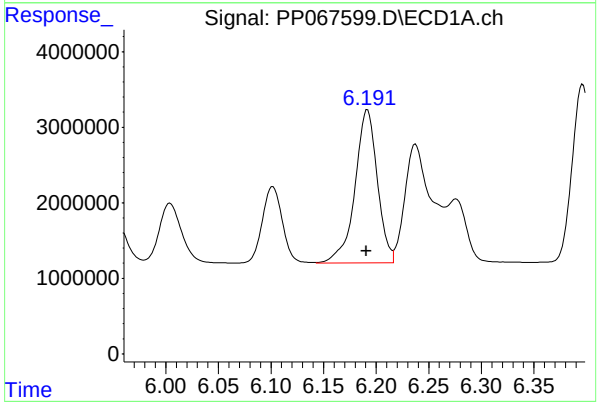
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 19592099
Conc: 894.60 ng/ml

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



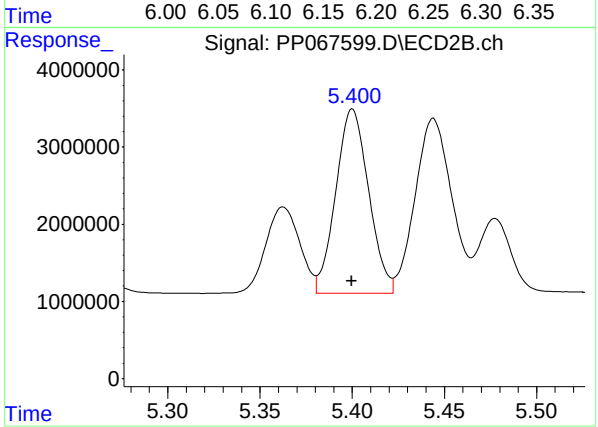

#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 20323070
Conc: 888.87 ng/ml



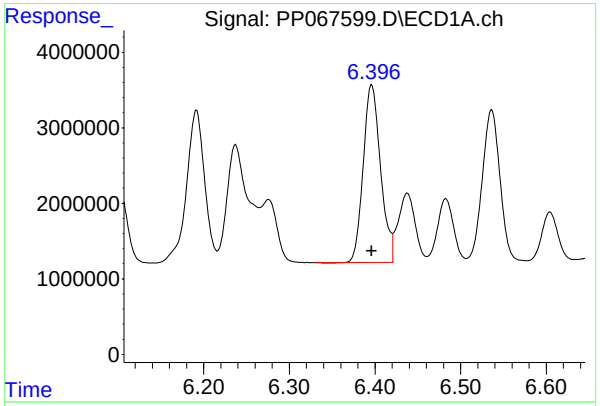

#22 AR-1248-2

R.T.: 6.192 min
Delta R.T.: 0.001 min
Response: 29912773
Conc: 872.73 ng/ml




#22 AR-1248-2

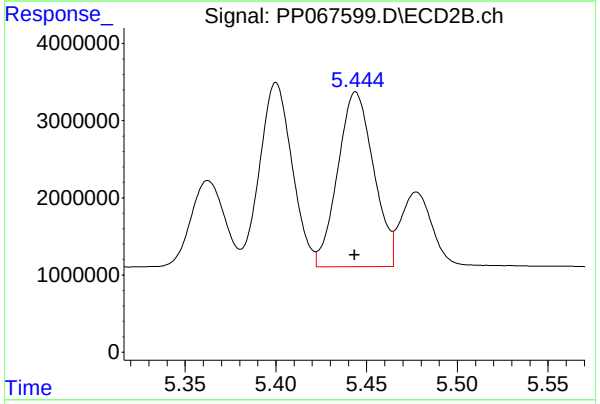
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 29599820
Conc: 892.28 ng/ml




#23 AR-1248-3

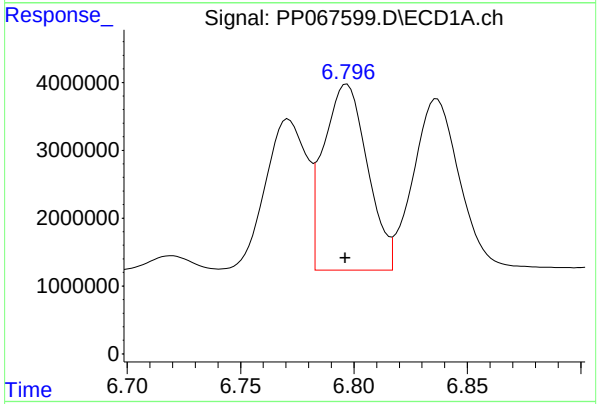
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 33038688
Conc: 878.15 ng/ml

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



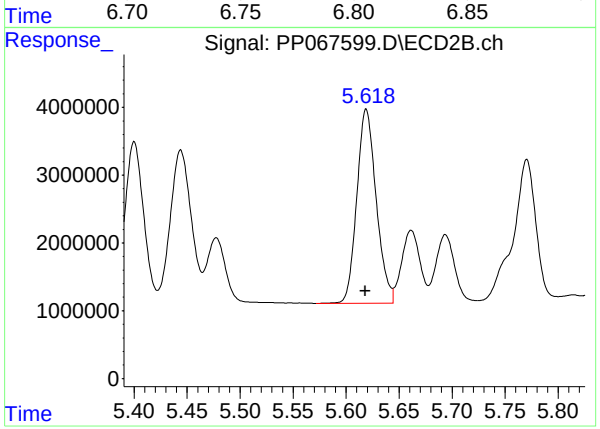

#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 31098926
Conc: 896.58 ng/ml



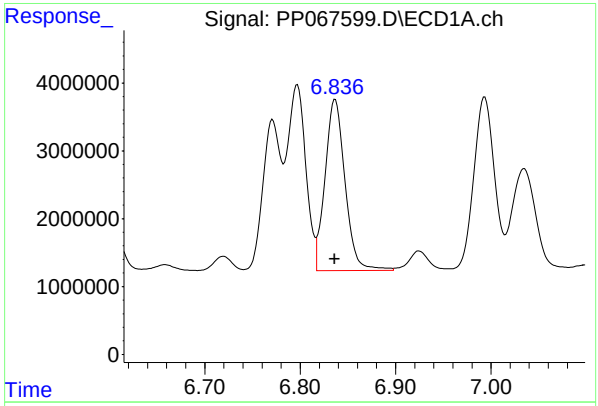

#24 AR-1248-4

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 36925252
Conc: 883.37 ng/ml




#24 AR-1248-4

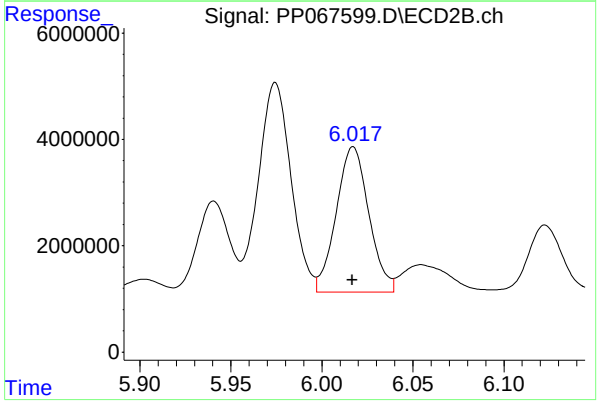
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 36529837
Conc: 905.80 ng/ml




#25 AR-1248-5

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 36740691
Conc: 896.46 ng/ml

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




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 34201195
Conc: 909.22 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
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: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 69493624 | 74624596 | 72.855 | 74.581 |
| 2) | SA Decachlor... | 10.666 | 9.218 | 83225039 | 80485343 | 71.154 | 71.134 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 15890474 | 16419683 | 725.581 | 718.146 |
| 22) | L5 AR-1248-2 | 6.191 | 5.401 | 24196945 | 23698997 | 705.963 | 714.398 |
| 23) | L5 AR-1248-3 | 6.396 | 5.445 | 26508671 | 24837498 | 704.586 | 716.061 |
| 24) | L5 AR-1248-4 | 6.796 | 5.619 | 29562331 | 29080592 | 707.227 | 721.084 |
| 25) | L5 AR-1248-5 | 6.837 | 6.017 | 29214949 | 26933596 | 712.838 | 716.014 |

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

Quantitation Report (QT Reviewed)

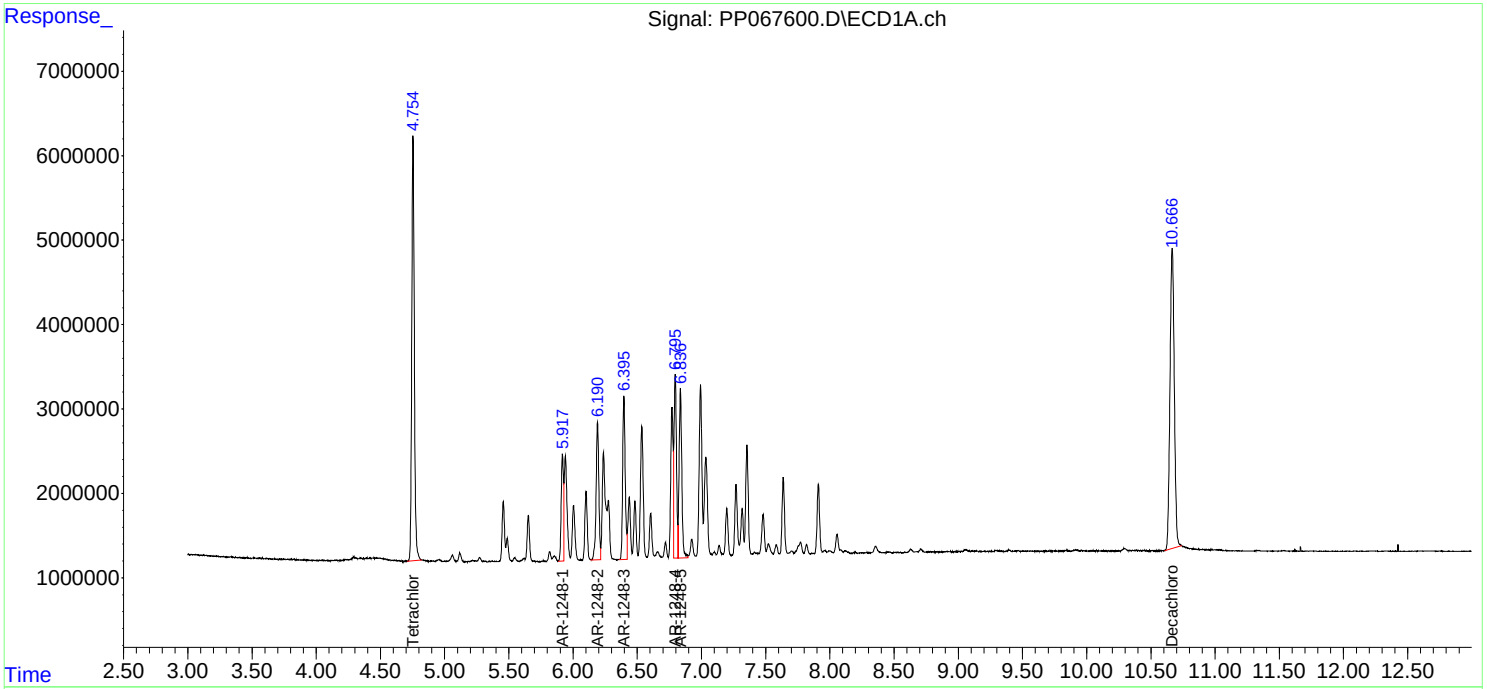
ICAL Form

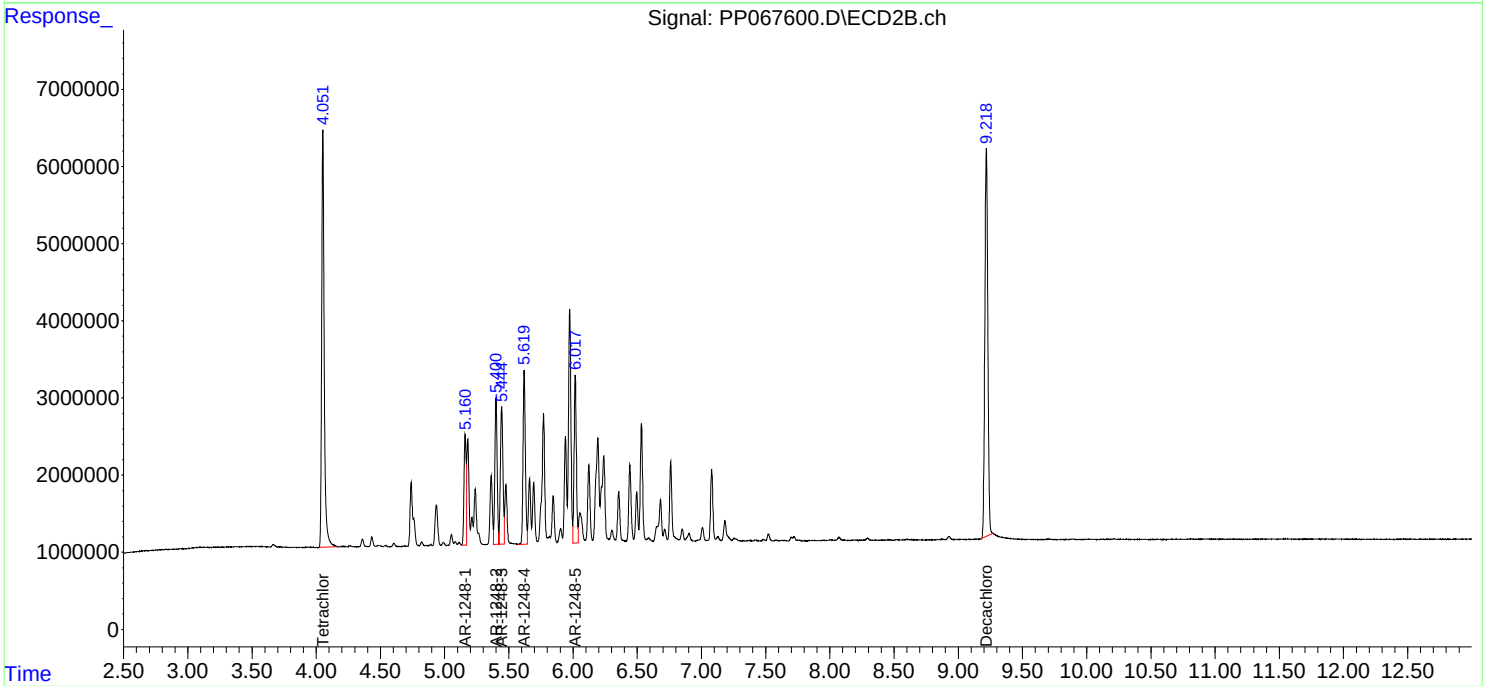
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067600.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:00
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 16 Sample Multiplier: 1

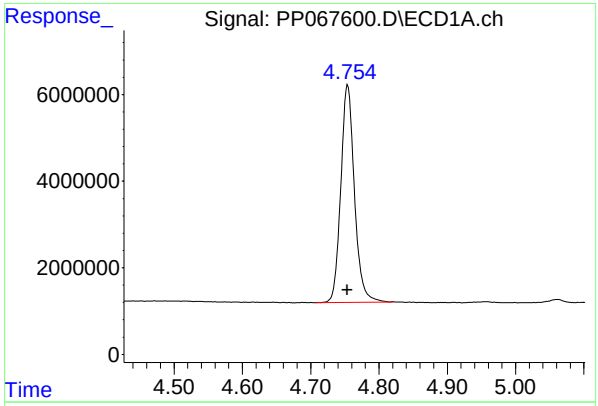
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:54:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



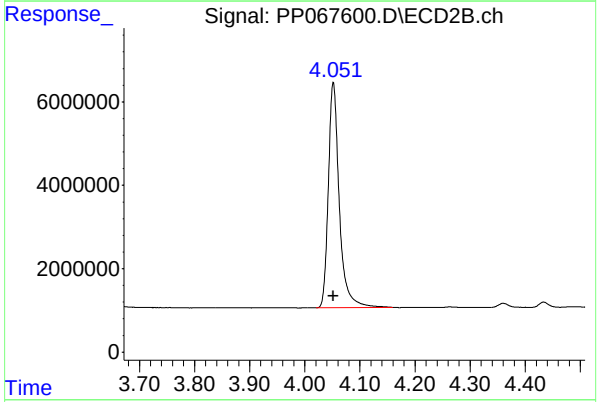






#1 Tetrachloro-m-xylene

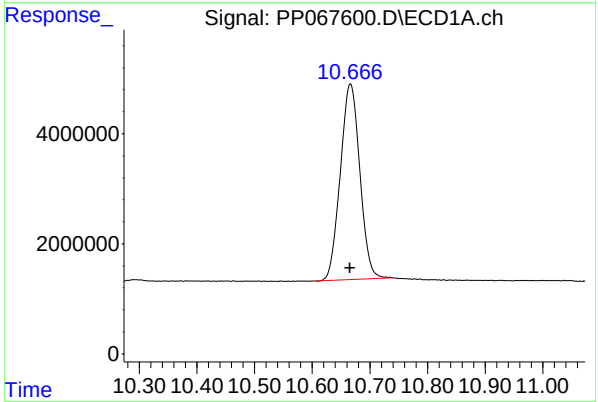
R.T.: 4.754 min
Delta R.T.: 0.000 mi
Response: 69493624
Conc: 72.85 ng/m

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



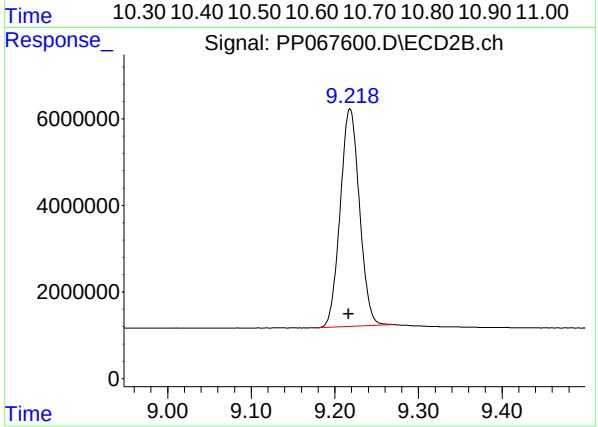

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 74624596
Conc: 74.58 ng/ml



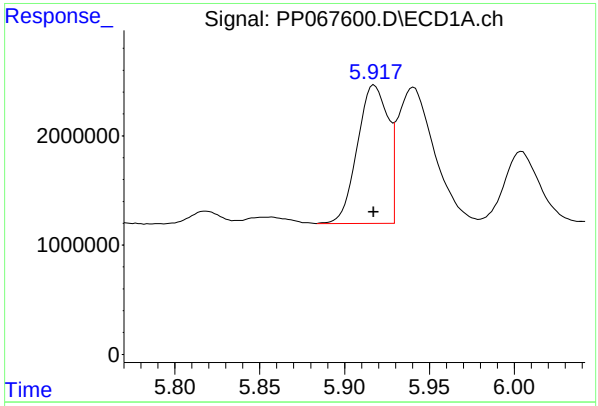

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 83225039
Conc: 71.15 ng/ml




#2 Decachlorobiphenyl

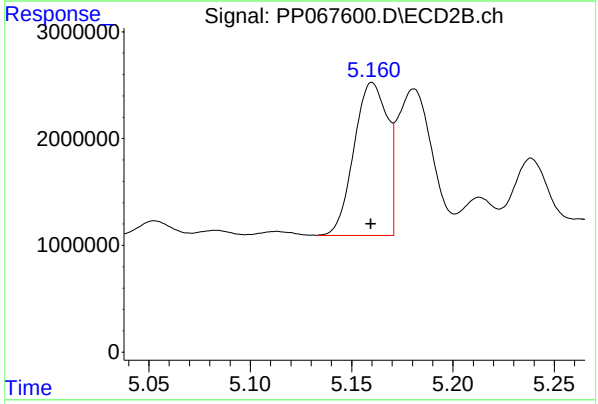
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 80485343
Conc: 71.13 ng/ml




#21 AR-1248-1

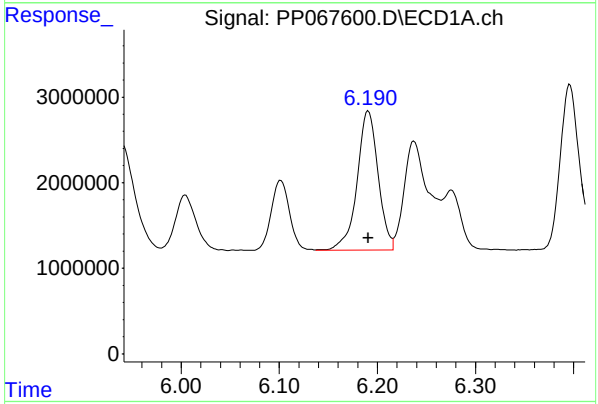
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 15890474
Conc: 725.58 ng/ml

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



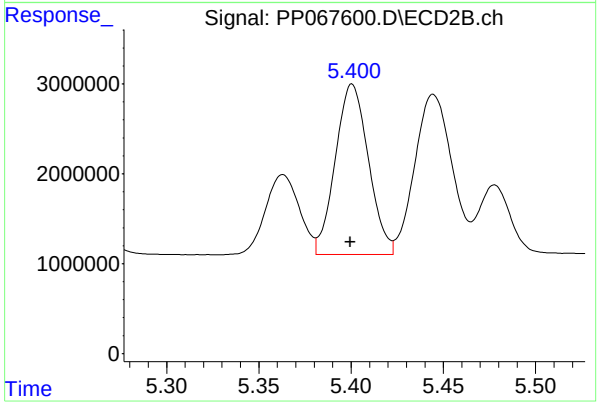

#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 16419683
Conc: 718.15 ng/ml



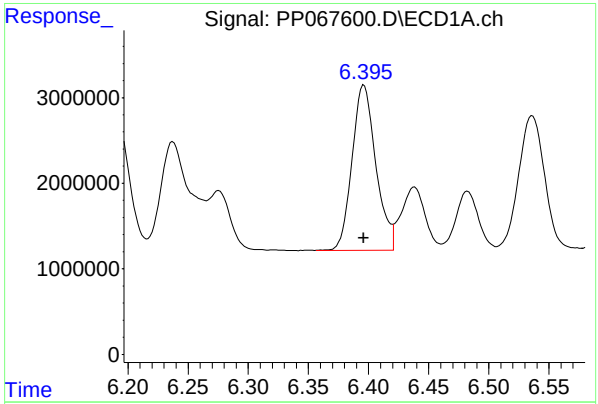

#22 AR-1248-2

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 24196945
Conc: 705.96 ng/ml




#22 AR-1248-2

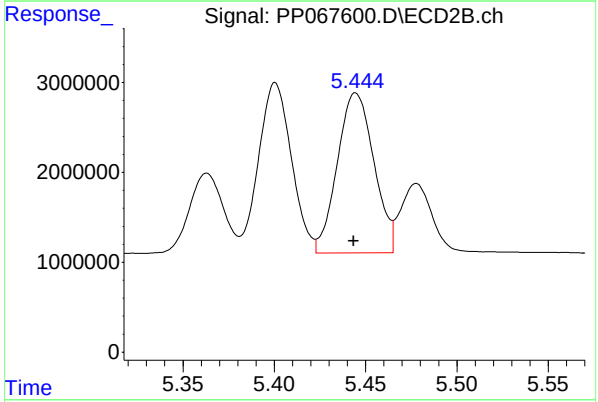
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 23698997
Conc: 714.40 ng/ml




#23 AR-1248-3

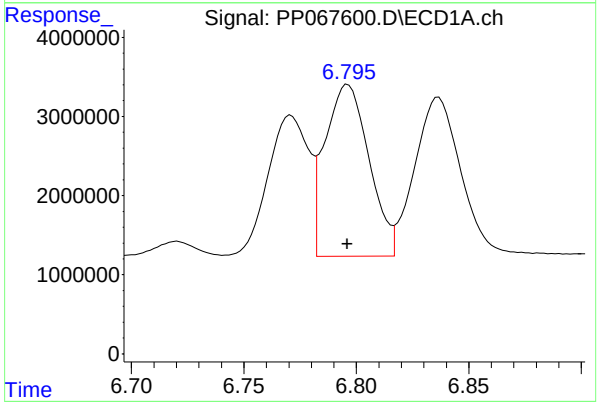
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 26508671
Conc: 704.59 ng/ml

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



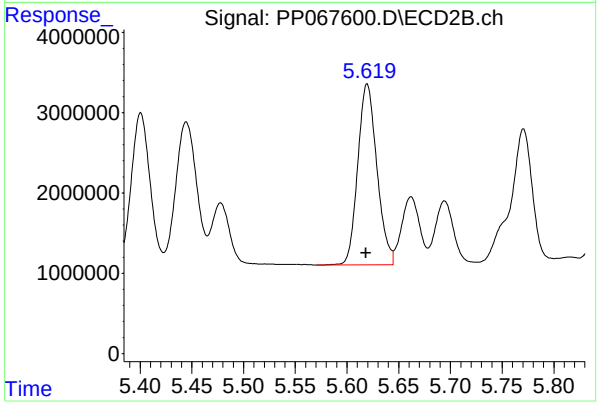

#23 AR-1248-3

R.T.: 5.445 min
Delta R.T.: 0.001 min
Response: 24837498
Conc: 716.06 ng/ml



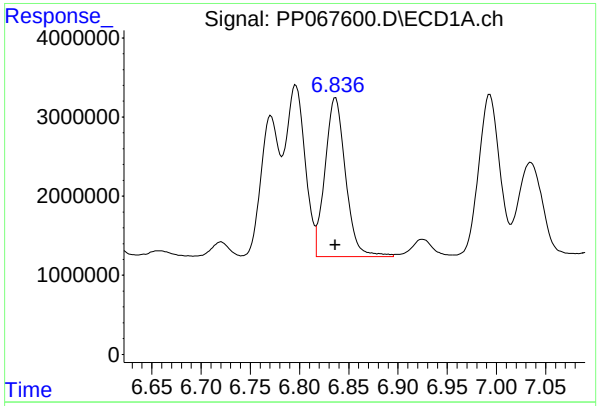

#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 29562331
Conc: 707.23 ng/ml




#24 AR-1248-4

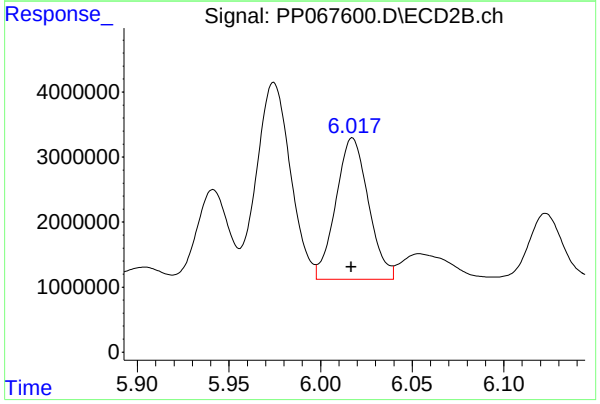
R.T.: 5.619 min
Delta R.T.: 0.001 min
Response: 29080592
Conc: 721.08 ng/ml




#25 AR-1248-5

R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 29214949
Conc: 712.84 ng/ml

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




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 26933596
Conc: 716.01 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
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: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 47693362 | 50029562 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 58482460 | 56573282 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 10950168 | 11431997 | 500.000 | 500.000 |
| 22) | L5 AR-1248-2 | 6.191 | 5.400 | 17137536 | 16586689 | 500.000 | 500.000 |
| 23) | L5 AR-1248-3 | 6.396 | 5.443 | 18811532 | 17343136 | 500.000 | 500.000 |
| 24) | L5 AR-1248-4 | 6.796 | 5.618 | 20900161 | 20164510 | 500.000 | 500.000 |
| 25) | L5 AR-1248-5 | 6.836 | 6.017 | 20492008 | 18808021 | 500.000 | 500.000 |

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

Quantitation Report (QT Reviewed)

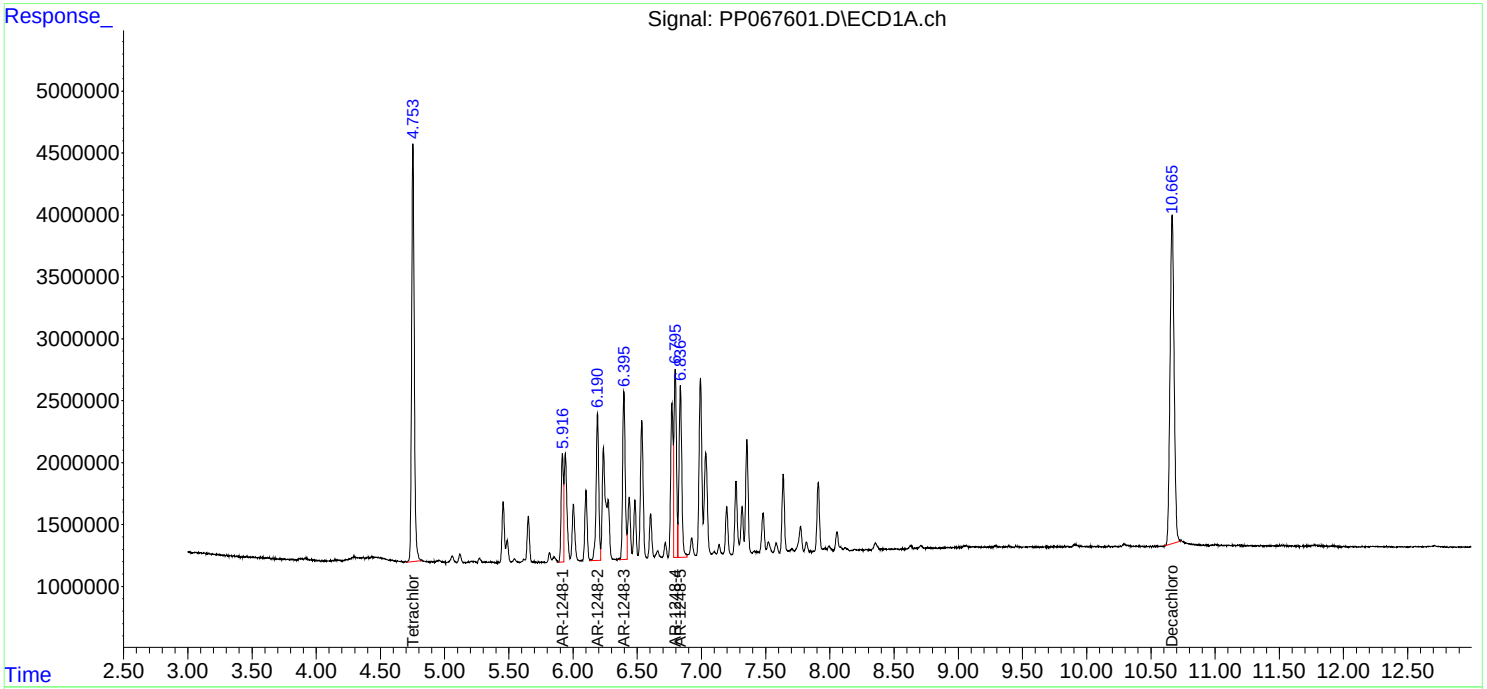
ICAL Form

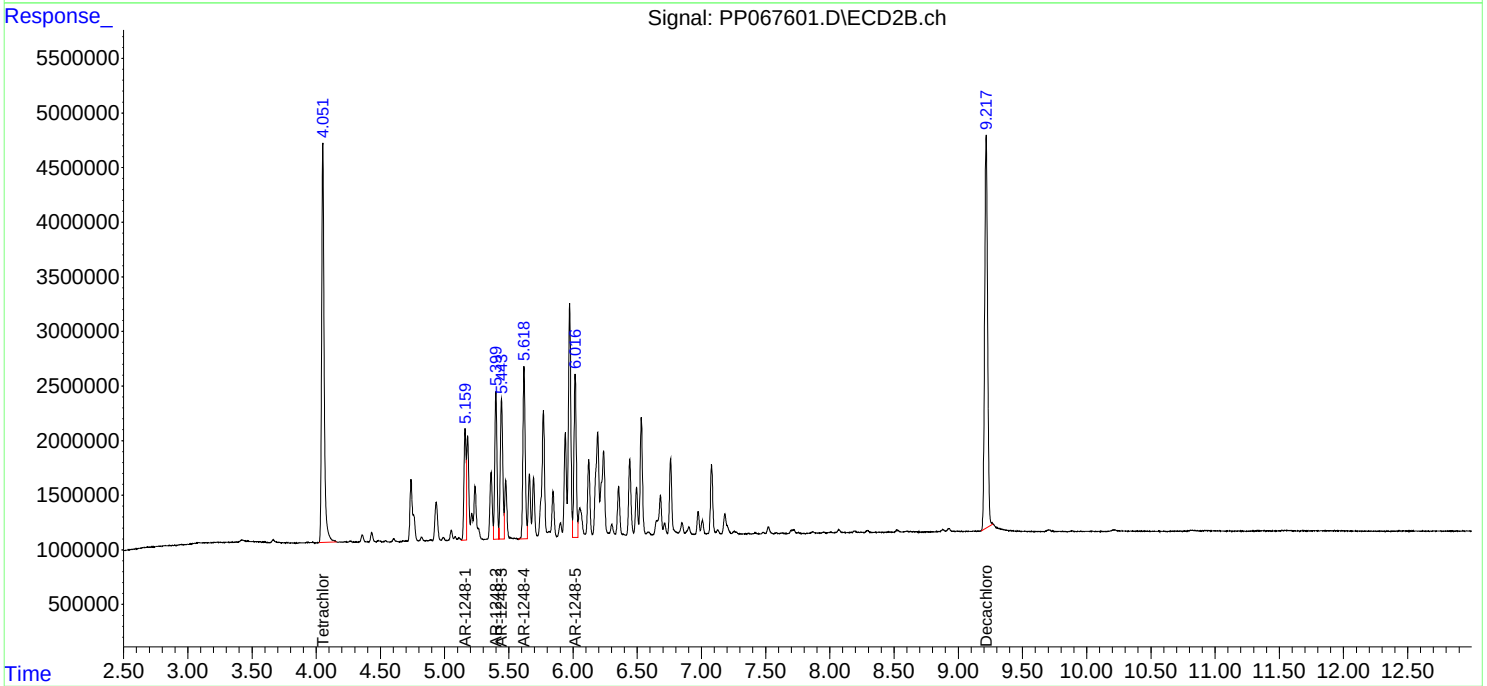
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067601.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:16
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

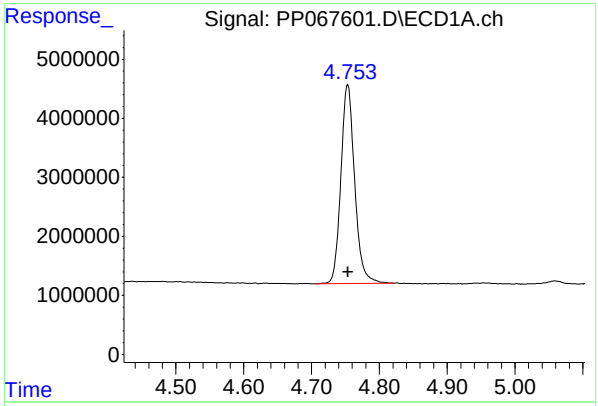
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



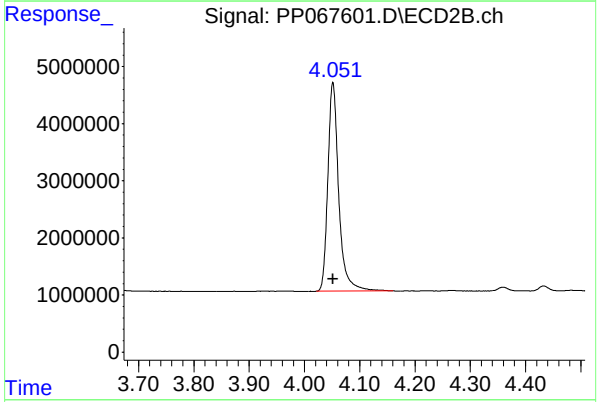






#1 Tetrachloro-m-xylene

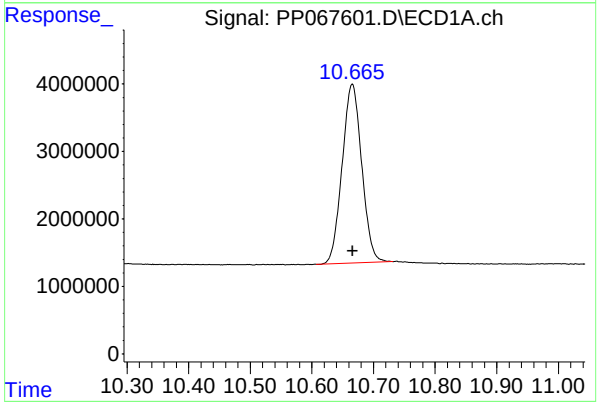
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 47693362
Conc: 50.00 ng/ml

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



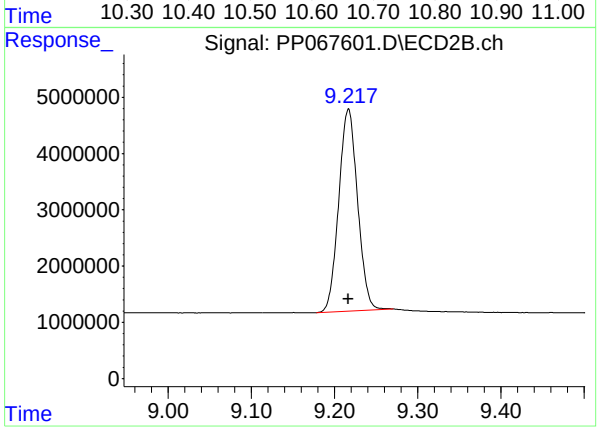

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50029562
Conc: 50.00 ng/ml



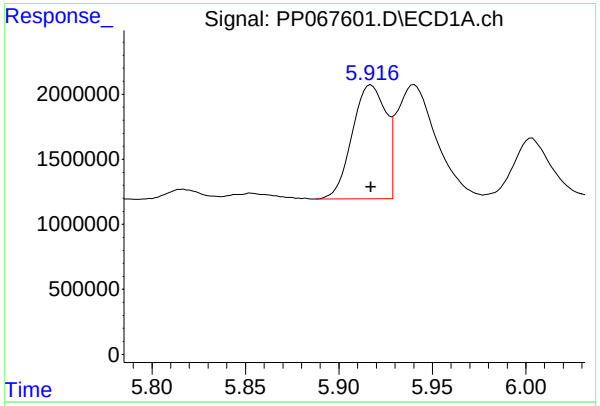

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 58482460
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

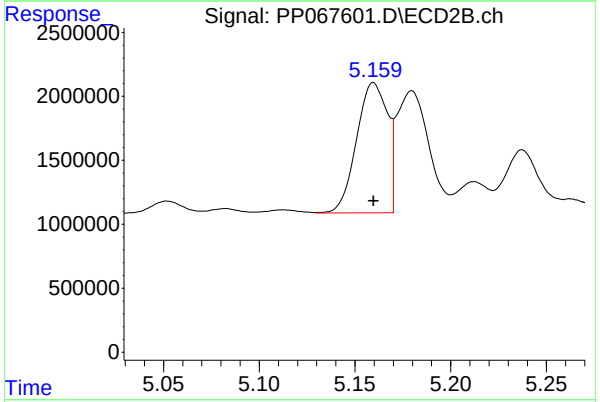
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 56573282
Conc: 50.00 ng/ml




#21 AR-1248-1

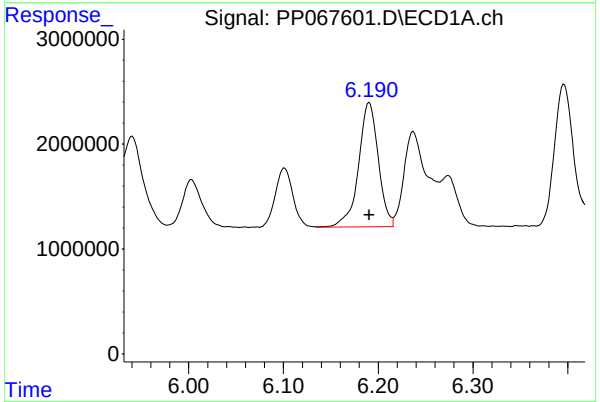
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 10950168
Conc: 500.00 ng/ml

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



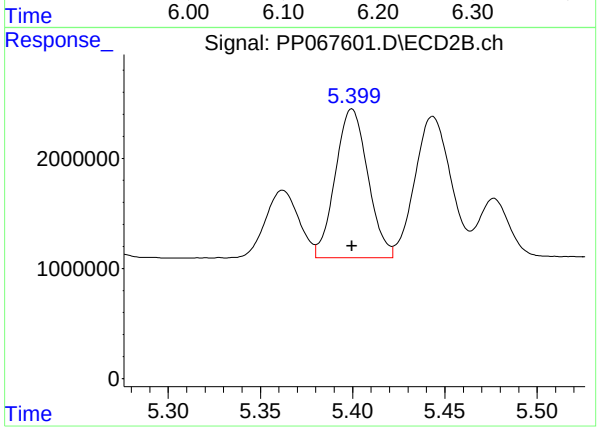

#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 11431997
Conc: 500.00 ng/ml



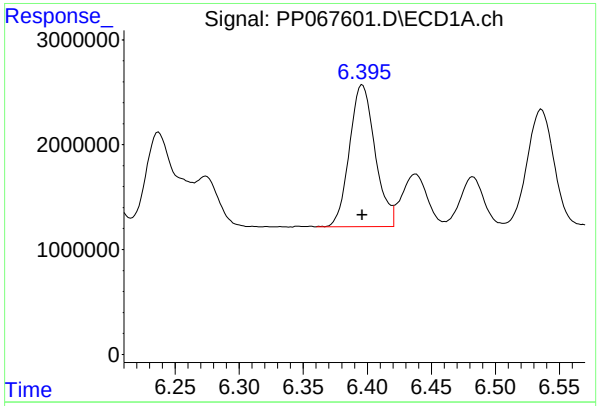

#22 AR-1248-2

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 17137536
Conc: 500.00 ng/ml




#22 AR-1248-2

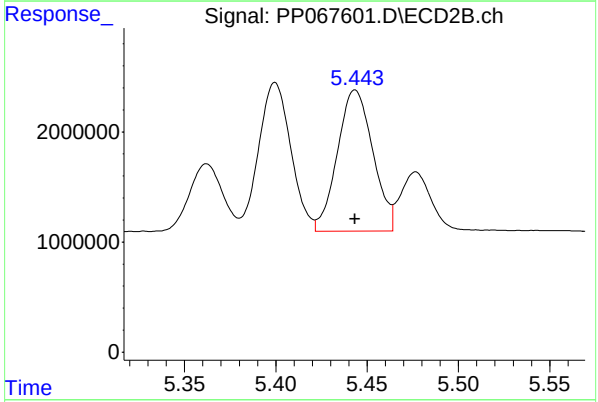
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 16586689
Conc: 500.00 ng/ml




#23 AR-1248-3

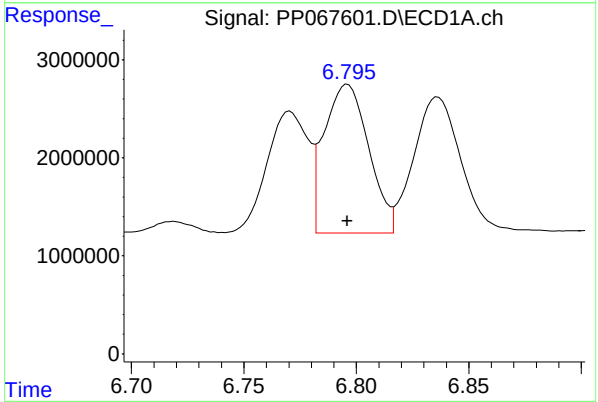
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 18811532
Conc: 500.00 ng/ml

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



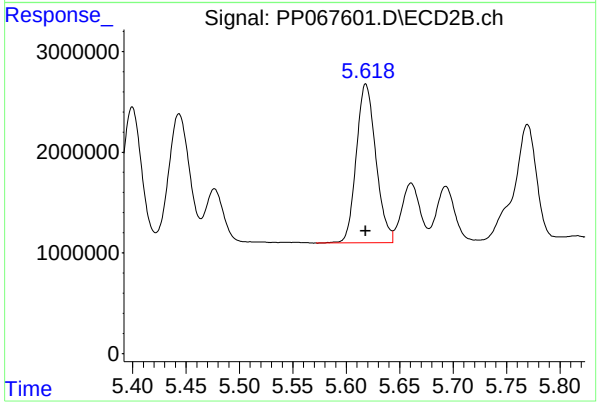

#23 AR-1248-3

R.T.: 5.443 min
Delta R.T.: 0.000 min
Response: 17343136
Conc: 500.00 ng/ml



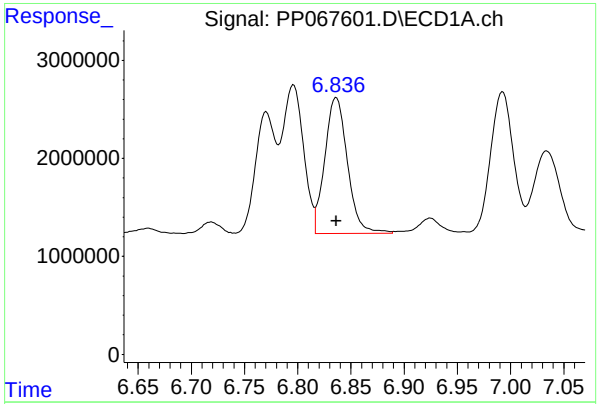

#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 20900161
Conc: 500.00 ng/ml




#24 AR-1248-4

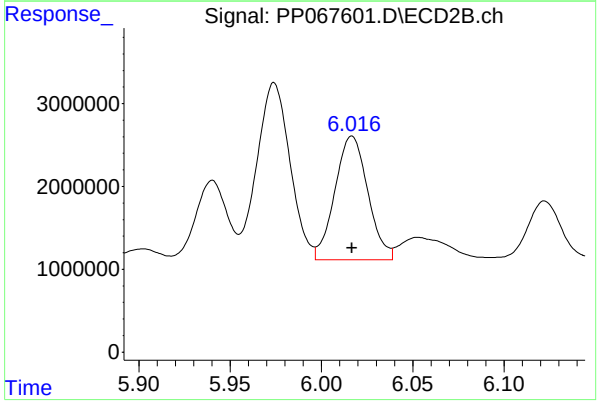
R.T.: 5.618 min
Delta R.T.: 0.000 min
Response: 20164510
Conc: 500.00 ng/ml




#25 AR-1248-5

R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 20492008
Conc: 500.00 ng/ml

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




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 18808021
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
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: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 24808977 | 26704709 | 26.009 | 26.689 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 32052950 | 30387635 | 27.404 | 26.857 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.918 | 5.161 | 5912354 | 6018915 | 269.966 | 263.249 |
| 22) | L5 AR-1248-2 | 6.192 | 5.400 | 9231645 | 9030416 | 269.340 | 272.219 |
| 23) | L5 AR-1248-3 | 6.397 | 5.444 | 10139576 | 9394157 | 269.504 | 270.832 |
| 24) | L5 AR-1248-4 | 6.797 | 5.619 | 11182231 | 11056295 | 267.515 | 274.152 |
| 25) | L5 AR-1248-5 | 6.836 | 6.017 | 10945412 | 10118471 | 267.065 | 268.994 |

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

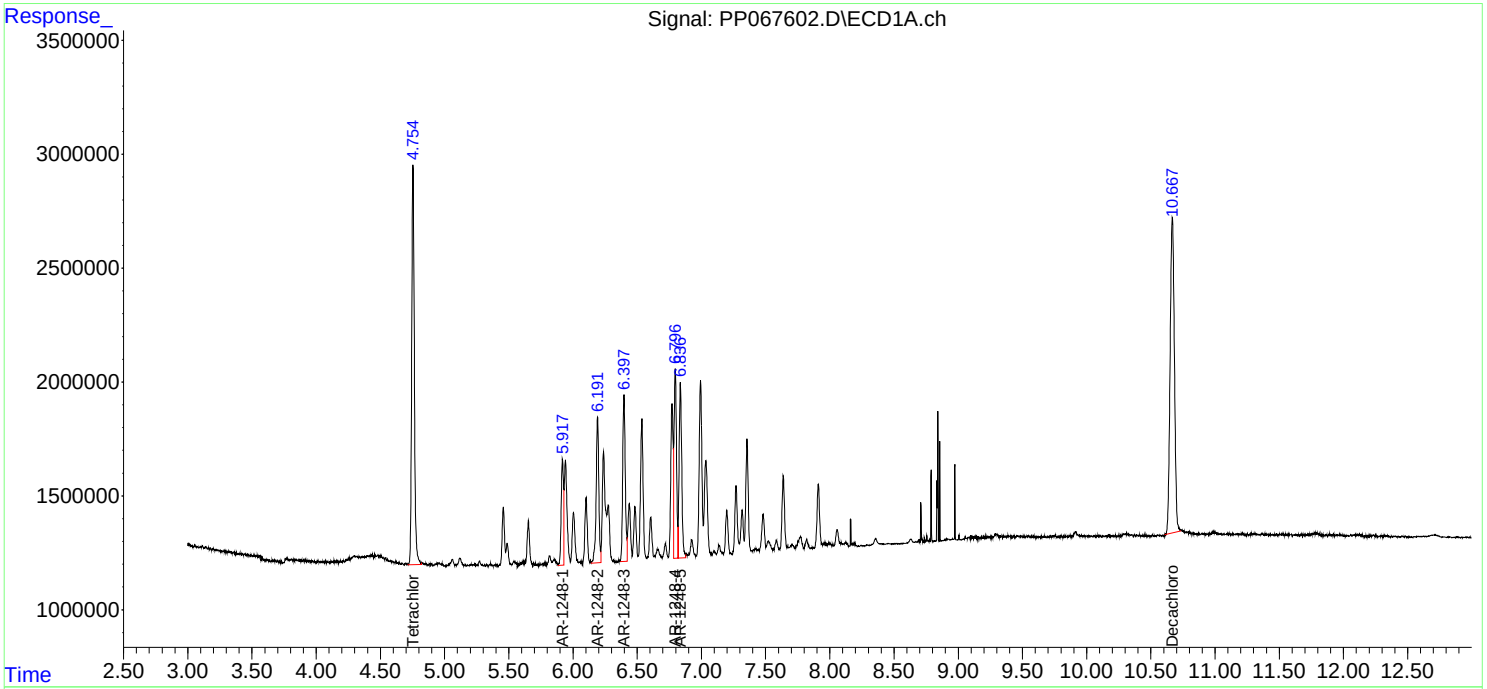
ICAL Form

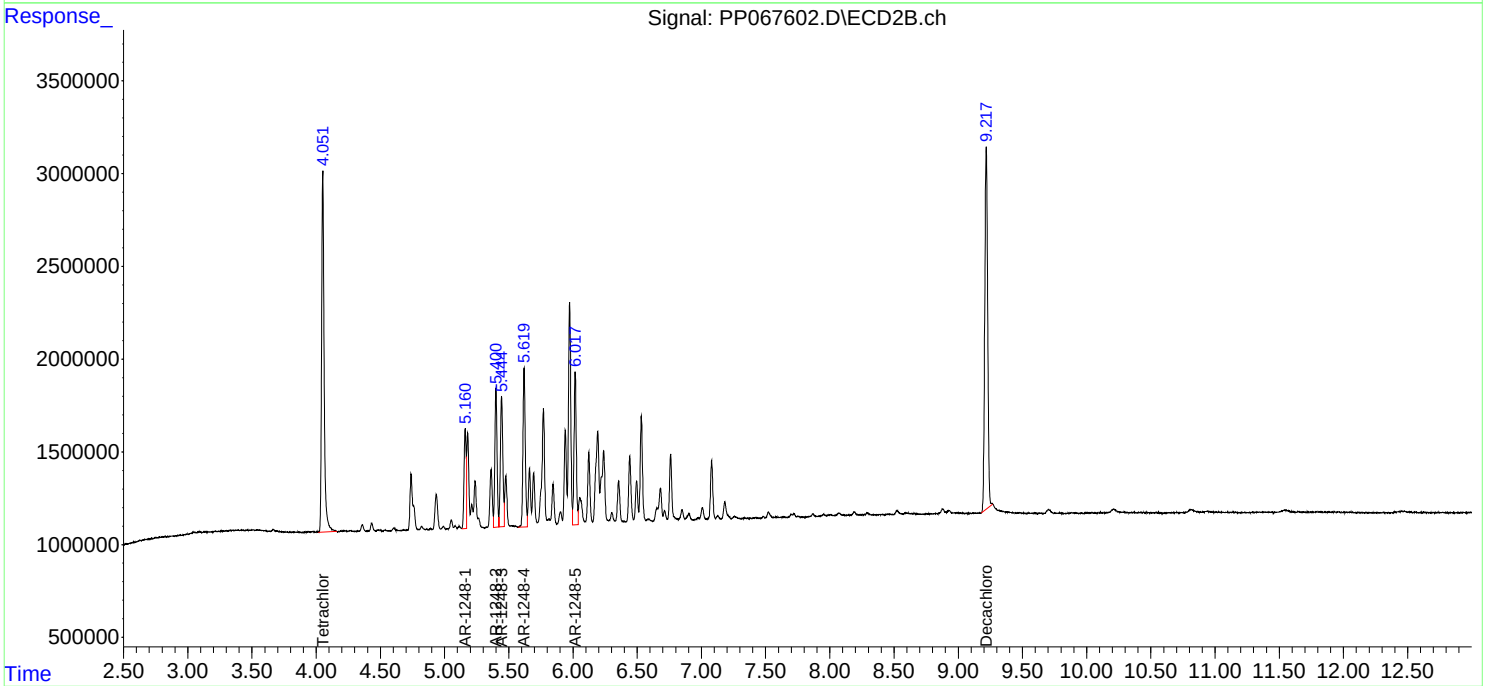
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:32
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 18 Sample Multiplier: 1

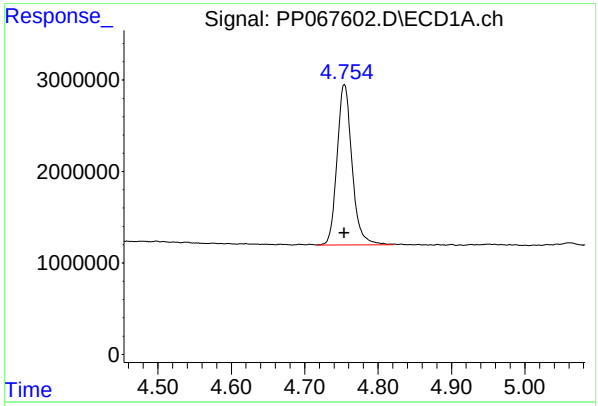
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



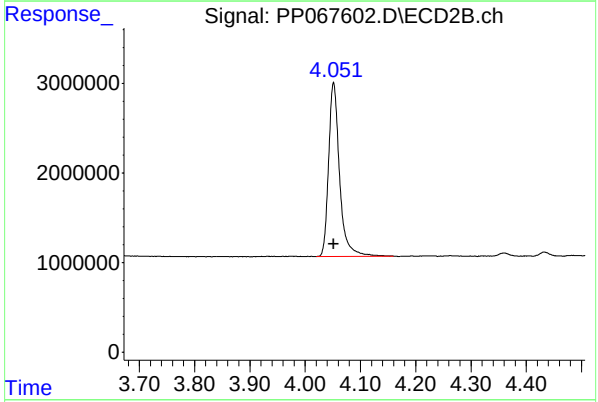






#1 Tetrachloro-m-xylene

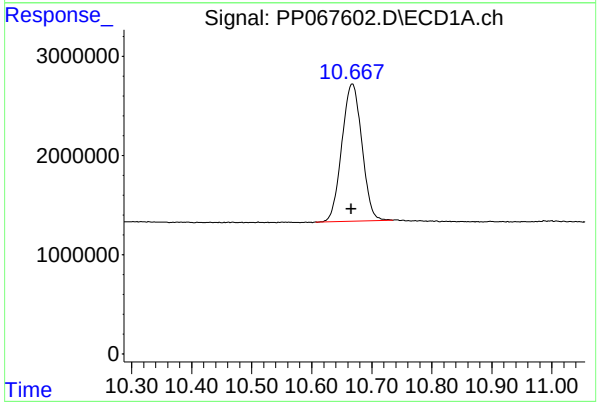
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24808977
Conc: 26.01 ng/ml

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



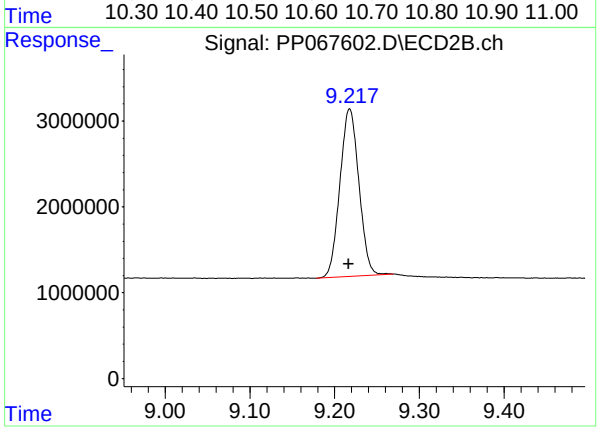

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 26704709
Conc: 26.69 ng/ml



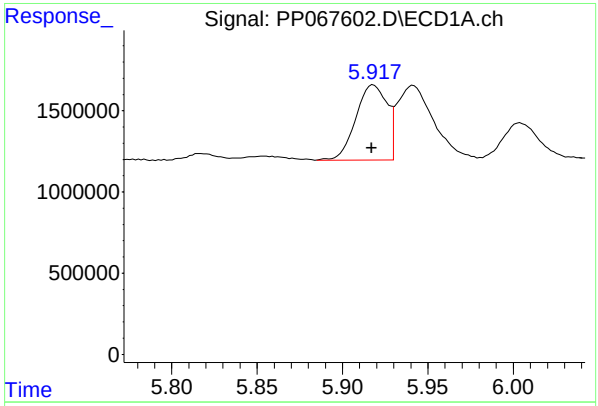

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.002 min
Response: 32052950
Conc: 27.40 ng/ml




#2 Decachlorobiphenyl

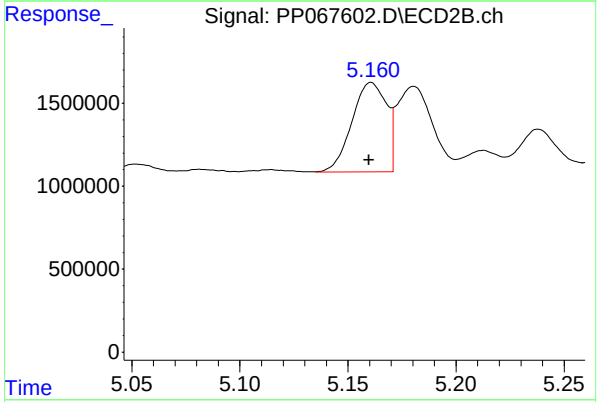
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 30387635
Conc: 26.86 ng/ml




#21 AR-1248-1

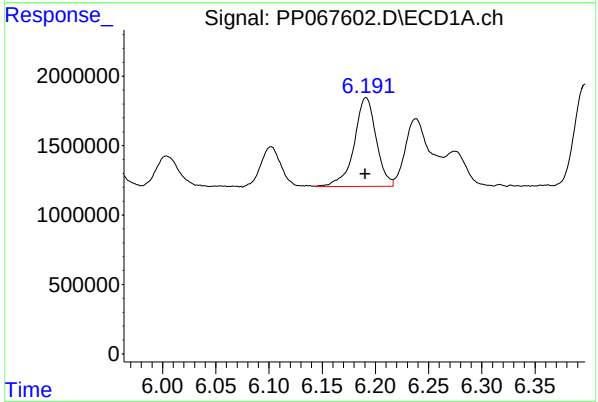
R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 5912354
Conc: 269.97 ng/ml

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



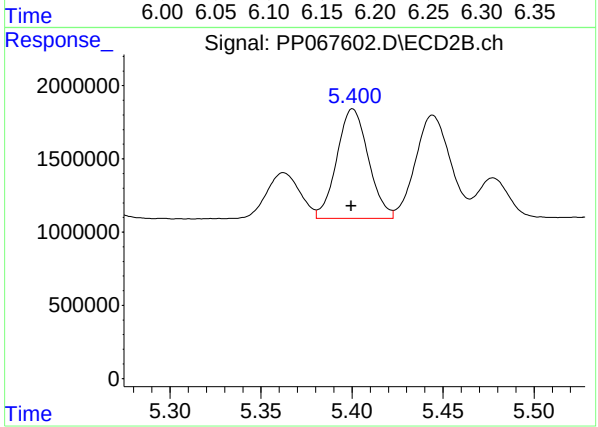

#21 AR-1248-1

R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 6018915
Conc: 263.25 ng/ml



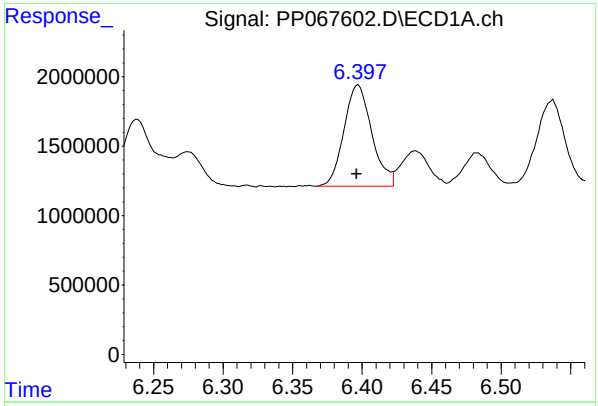

#22 AR-1248-2

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 9231645
Conc: 269.34 ng/ml




#22 AR-1248-2

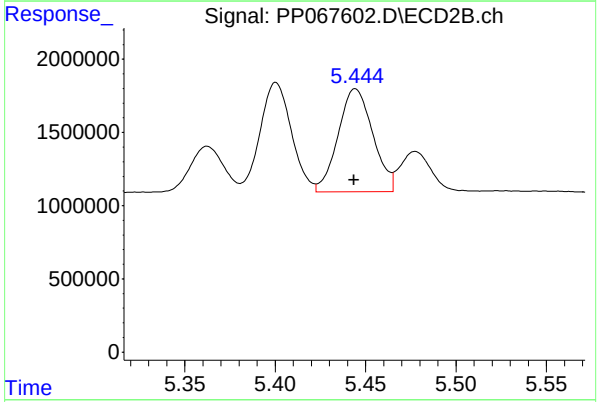
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 9030416
Conc: 272.22 ng/ml




#23 AR-1248-3

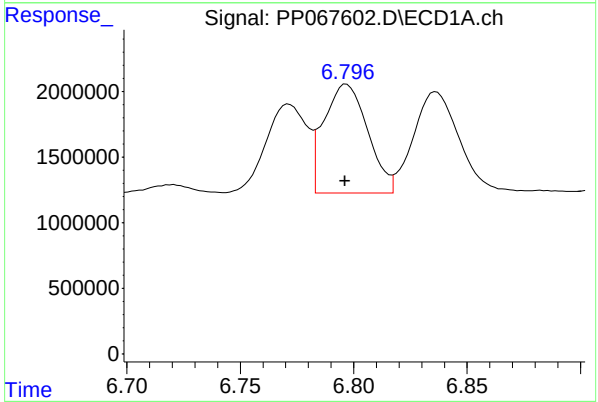
R.T.: 6.397 min
Delta R.T.: 0.001 min
Response: 10139576
Conc: 269.50 ng/ml

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



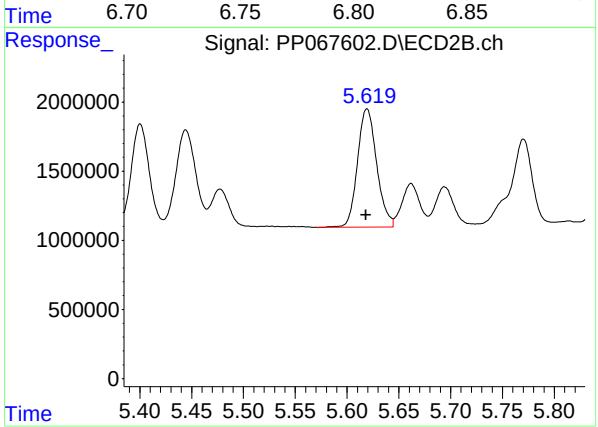

#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.001 min
Response: 9394157
Conc: 270.83 ng/ml



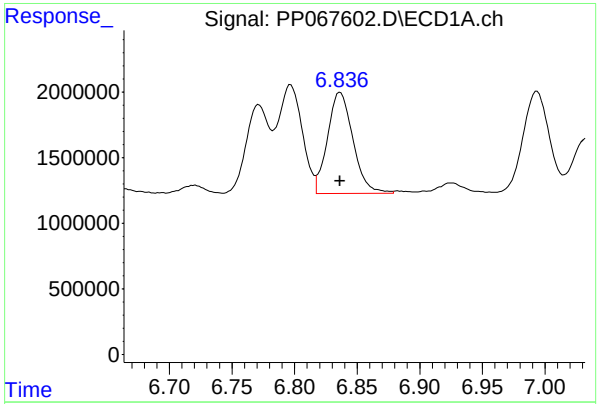

#24 AR-1248-4

R.T.: 6.797 min
Delta R.T.: 0.000 min
Response: 11182231
Conc: 267.52 ng/ml




#24 AR-1248-4

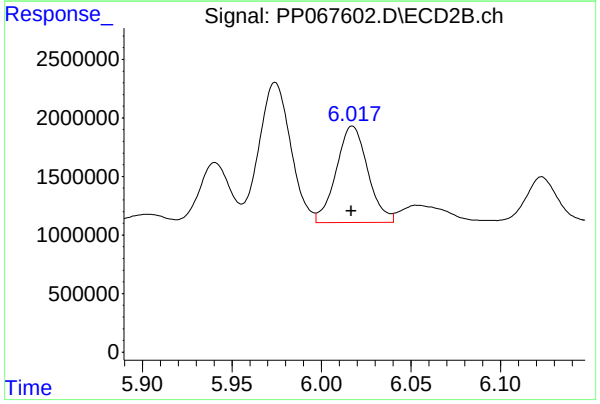
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 11056295
Conc: 274.15 ng/ml




#25 AR-1248-5

R.T.: 6.836 min
Delta R.T.: 0.000 mi
Response: 10945412
Conc: 267.07 ng/m

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




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 10118471
Conc: 268.99 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
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: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.753 | 4.051 | 4475784 | 4955188 | 4.692 | 4.952 |
| 2) SA | Decachlor... | 10.664 | 9.218 | 6512447 | 6206078 | 5.568 | 5.485 |
| | Target Compounds | | | | | | |
| 21) L5 | AR-1248-1 | 5.918 | 5.161 | 1039264 | 1208163 | 47.454 | 52.841 |
| 22) L5 | AR-1248-2 | 6.190 | 5.401 | 1735318 | 1749277 | 50.629 | 52.731 |
| 23) L5 | AR-1248-3 | 6.396 | 5.445 | 1828118 | 1794734 | 48.590 | 51.742 |
| 24) L5 | AR-1248-4 | 6.796 | 5.619 | 1969132 | 2246071 | 47.108 | 55.694 |
| 25) L5 | AR-1248-5 | 6.835 | 6.017 | 1892267 | 1950657 | 46.171 | 51.857 |

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

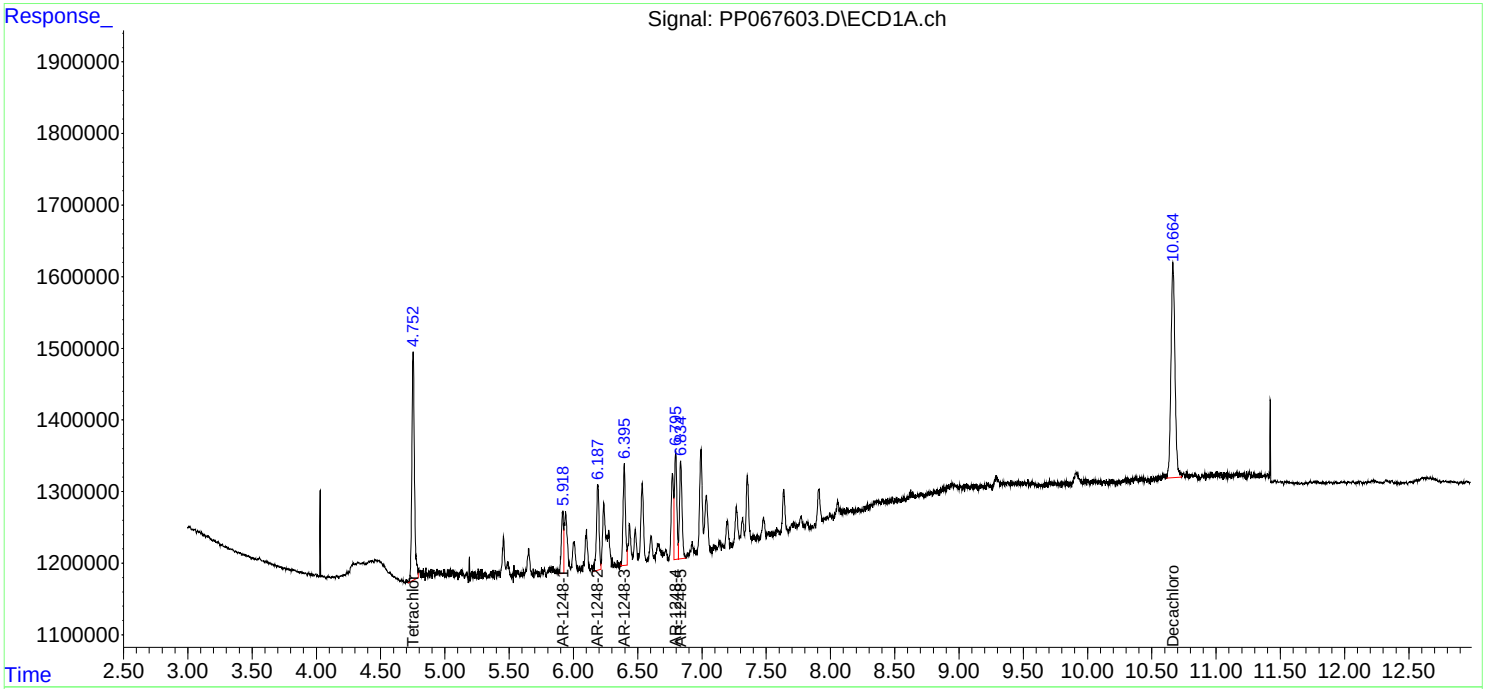
ICAL Form

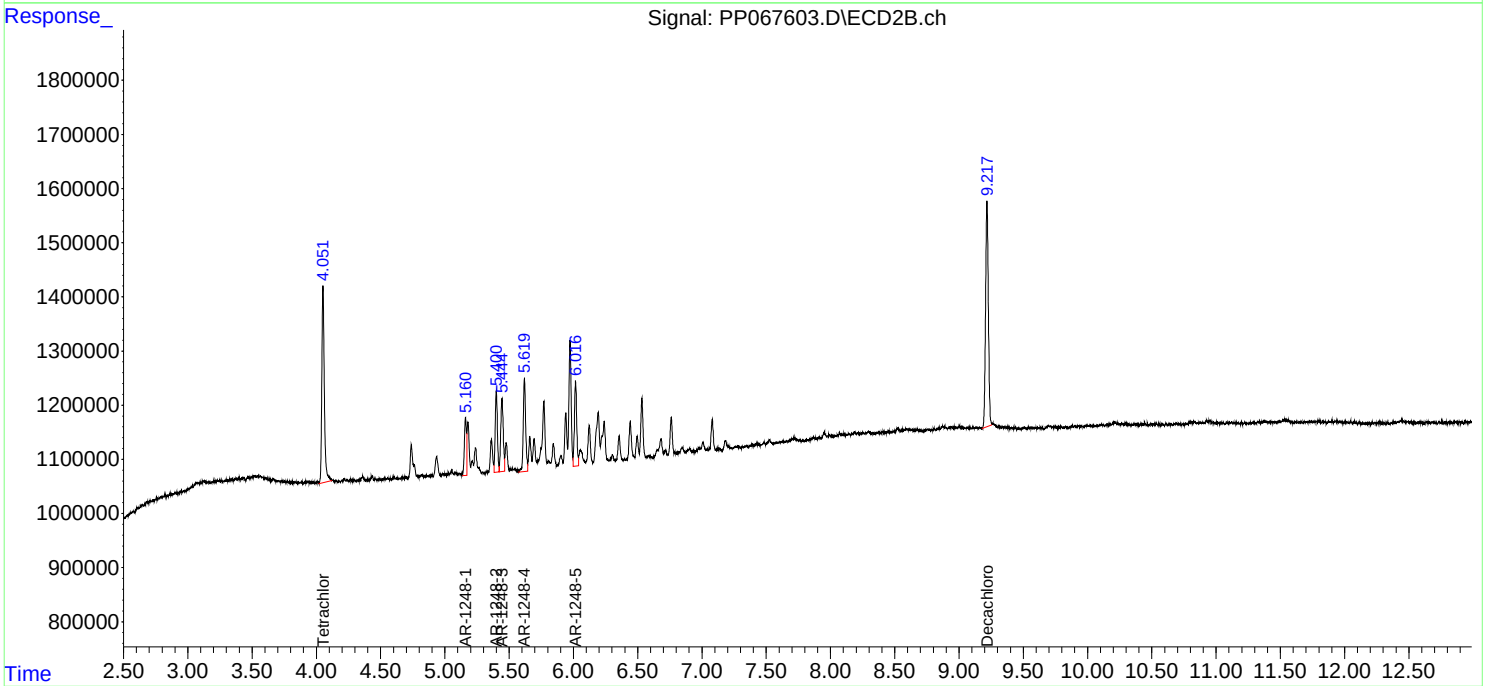
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 20:49
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 19 Sample Multiplier: 1

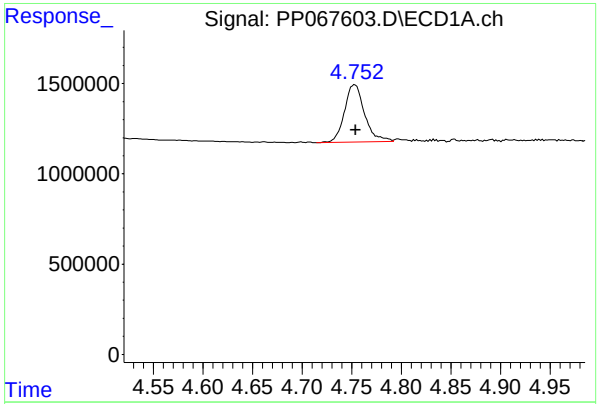
**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:55:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



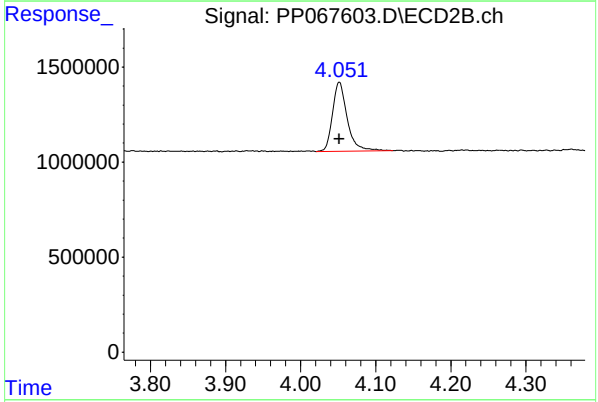






#1 Tetrachloro-m-xylene

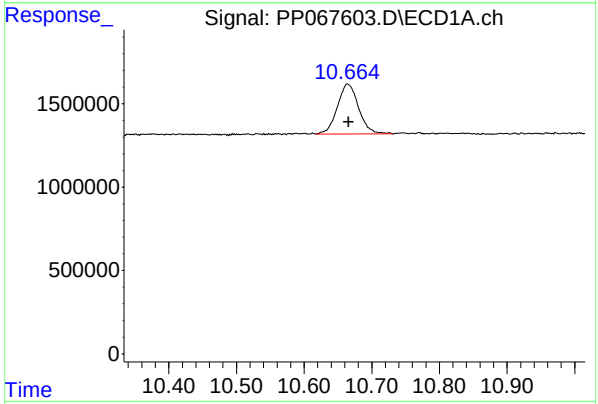
R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 4475784
Conc: 4.69 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



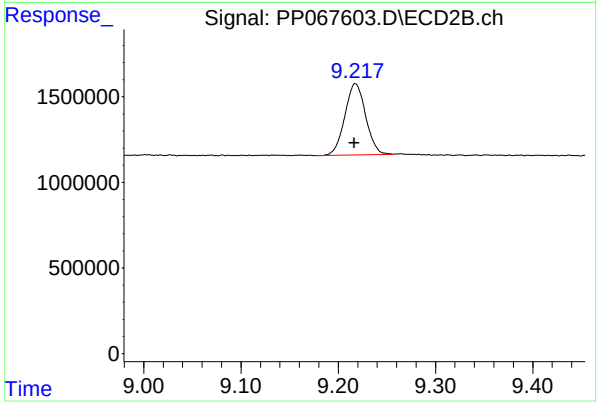

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 4955188
Conc: 4.95 ng/ml



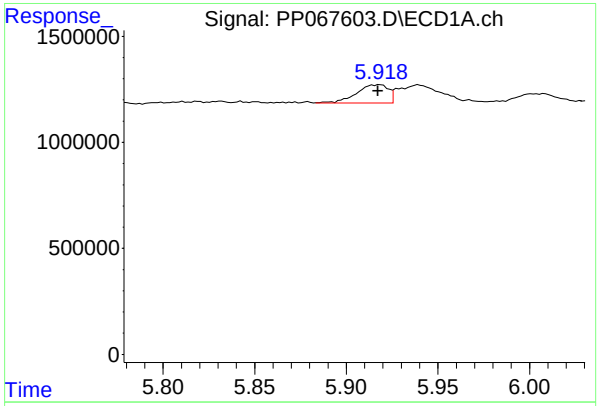

#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: -0.001 min
Response: 6512447
Conc: 5.57 ng/ml




#2 Decachlorobiphenyl

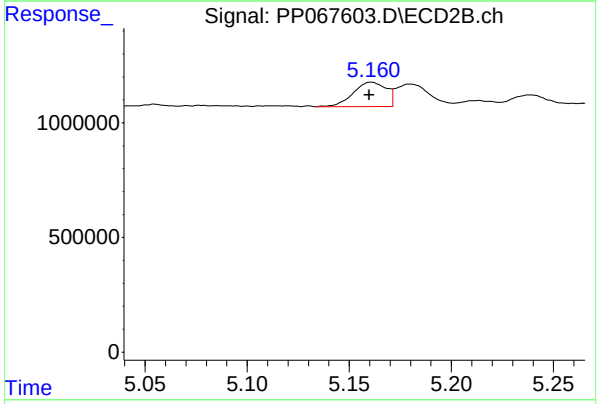
R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 6206078
Conc: 5.48 ng/ml




#21 AR-1248-1

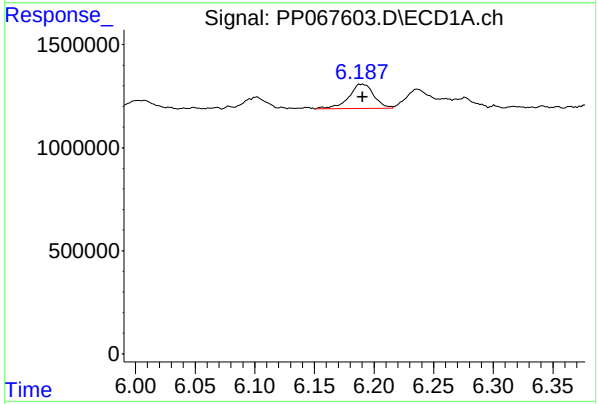
R.T.: 5.918 min
Delta R.T.: 0.001 min
Response: 1039264
Conc: 47.45 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



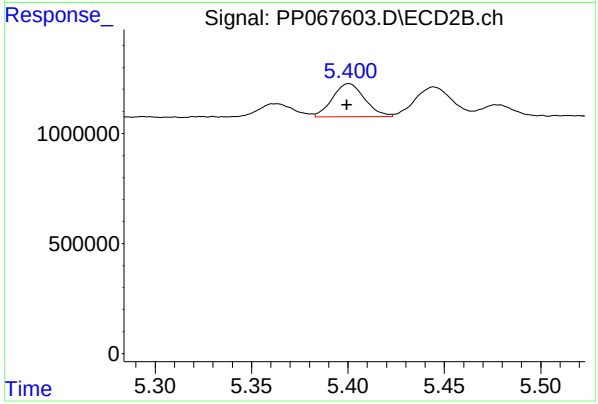

#21 AR-1248-1

R.T.: 5.161 min
Delta R.T.: 0.001 min
Response: 1208163
Conc: 52.84 ng/ml



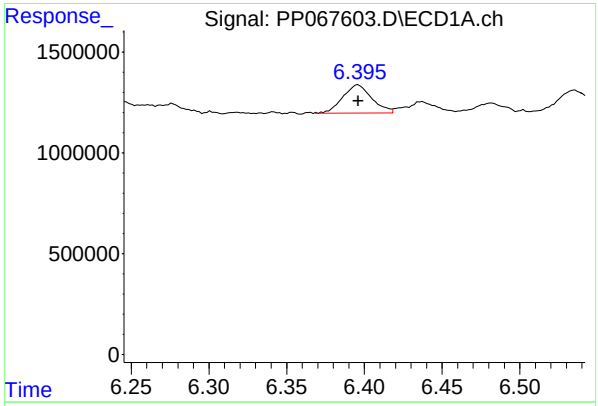

#22 AR-1248-2

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 1735318
Conc: 50.63 ng/ml




#22 AR-1248-2

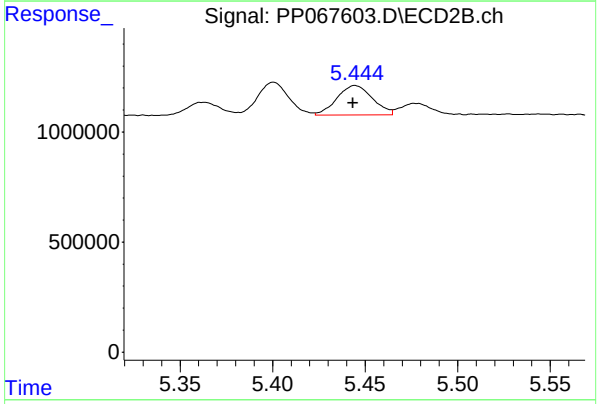
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 1749277
Conc: 52.73 ng/ml




#23 AR-1248-3

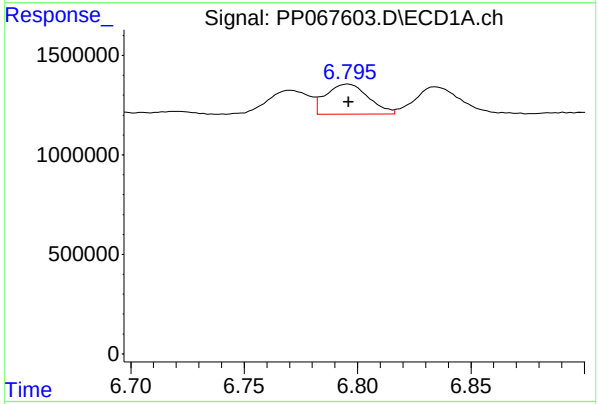
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 1828118
Conc: 48.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050



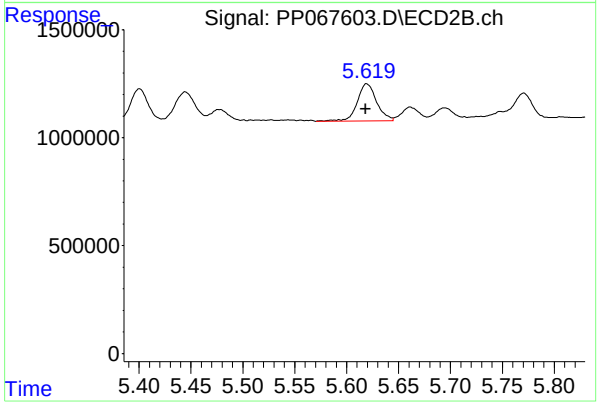

#23 AR-1248-3

R.T.: 5.445 min
Delta R.T.: 0.001 min
Response: 1794734
Conc: 51.74 ng/ml



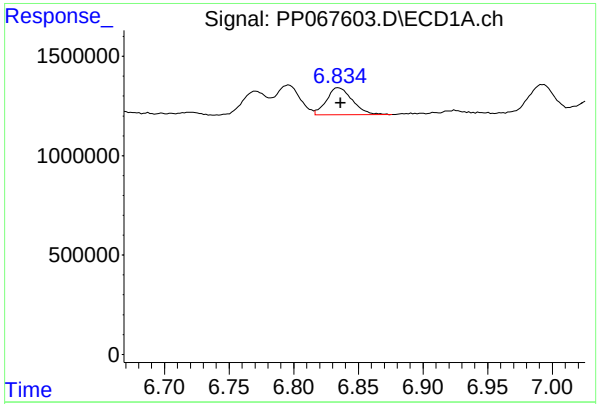

#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 1969132
Conc: 47.11 ng/ml




#24 AR-1248-4

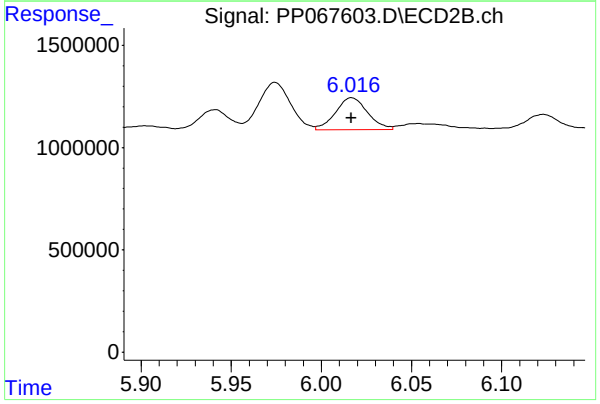
R.T.: 5.619 min
Delta R.T.: 0.001 min
Response: 2246071
Conc: 55.69 ng/ml




#25 AR-1248-5

R.T.: 6.835 min
Delta R.T.: -0.002 mi
Response: 1892267
Conc: 46.17 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1248ICC050




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 1950657
Conc: 51.86 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
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: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.755 | 4.052 | 93136358 | 96989057 | 97.408 | 93.351 |
| 2) | SA Decachlor... | 10.668 | 9.218 | 106.8E6 | 104.1E6 | 90.386 | 91.127 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.774 | 5.976 | 40350769 | 53478224 | 891.057 | 907.039 |
| 27) | L6 AR-1254-2 | 6.992 | 6.123 | 59814731 | 47135286 | 909.208 | 903.899 |
| 28) | L6 AR-1254-3 | 7.356 | 6.533 | 64043672 | 76675976 | 922.974 | 921.526 |
| 29) | L6 AR-1254-4 | 7.639 | 6.761 | 45989306 | 44235570 | 916.896 | 914.644 |
| 30) | L6 AR-1254-5 | 8.057 | 7.183 | 54192853 | 68142947 | 907.279 | 923.842 |

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

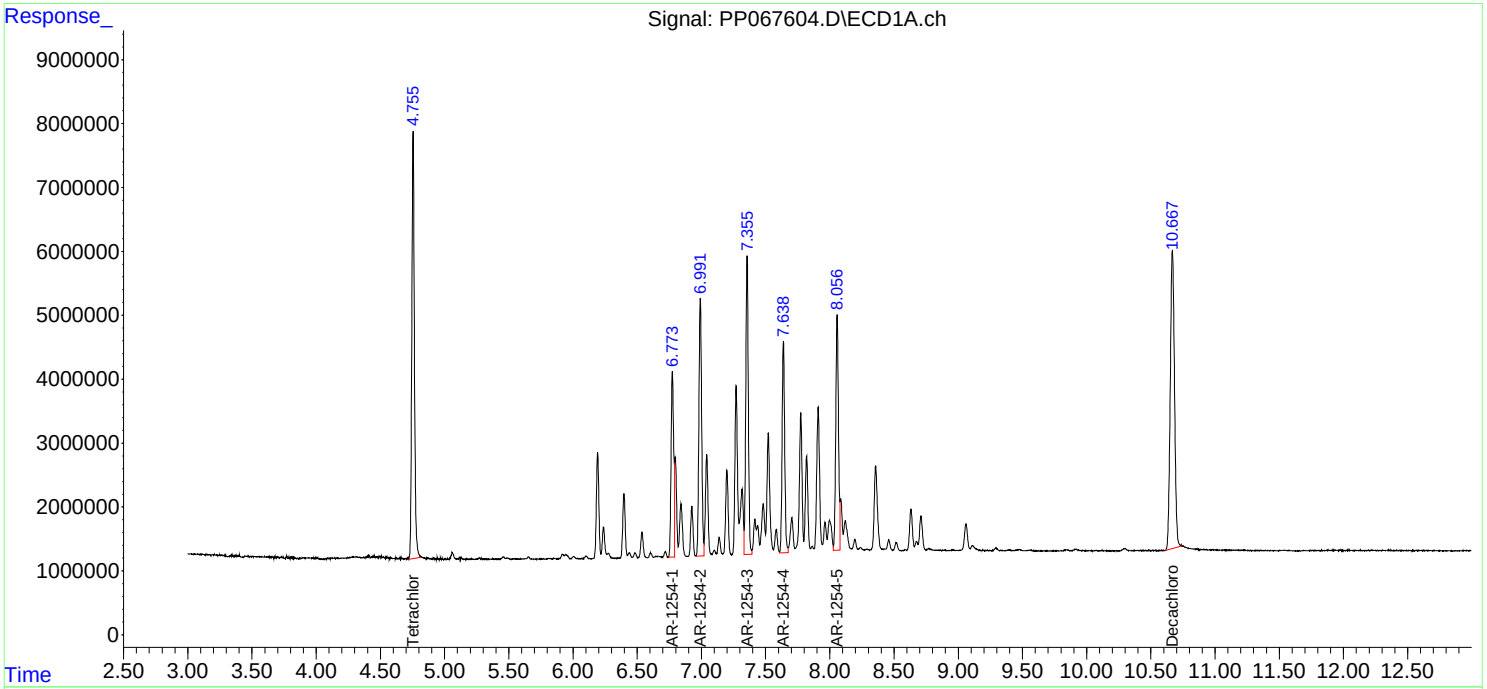
ICAL Form

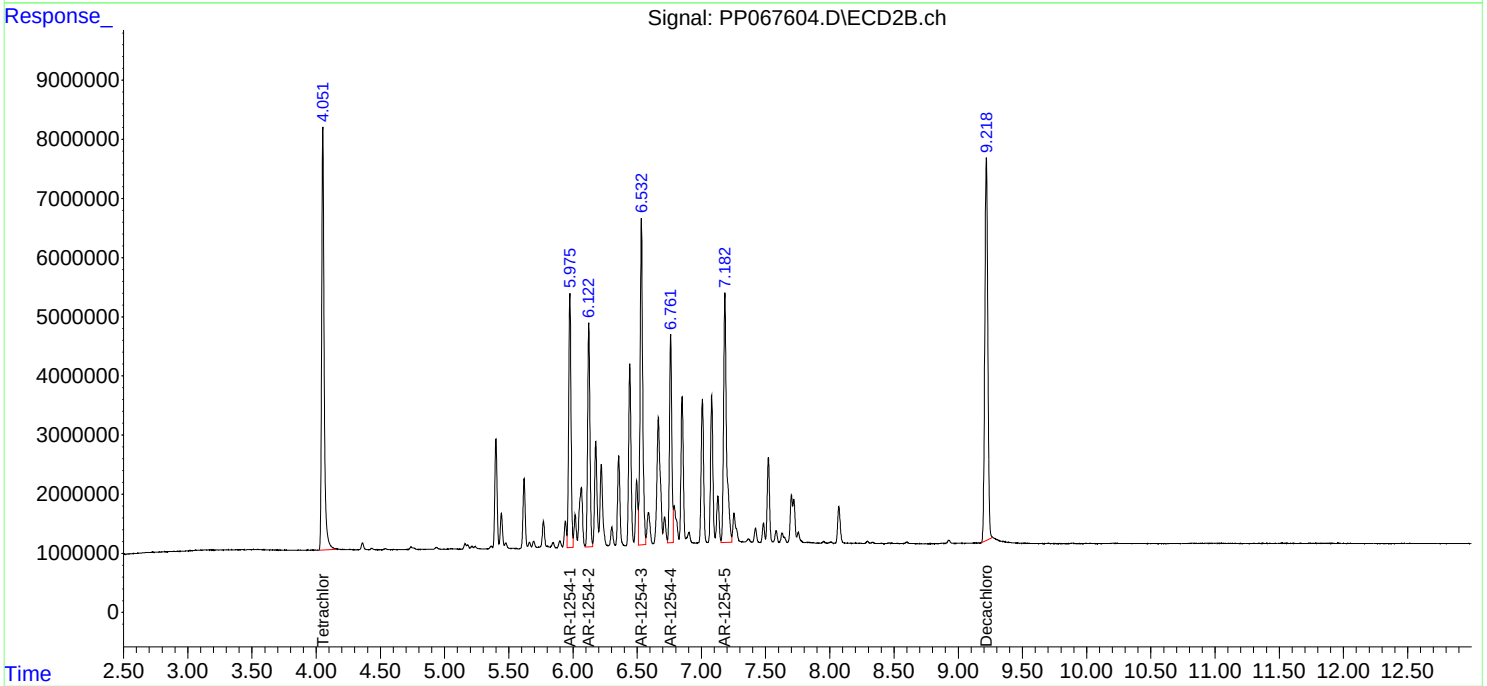
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:05
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 20 Sample Multiplier: 1

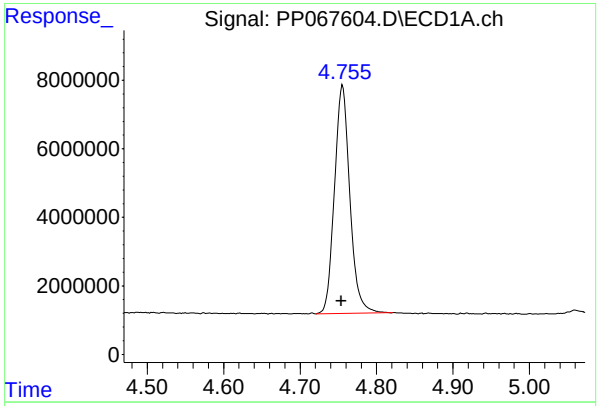
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



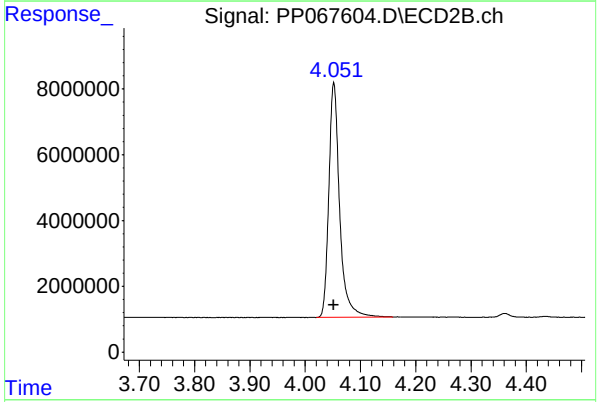






#1 Tetrachloro-m-xylene

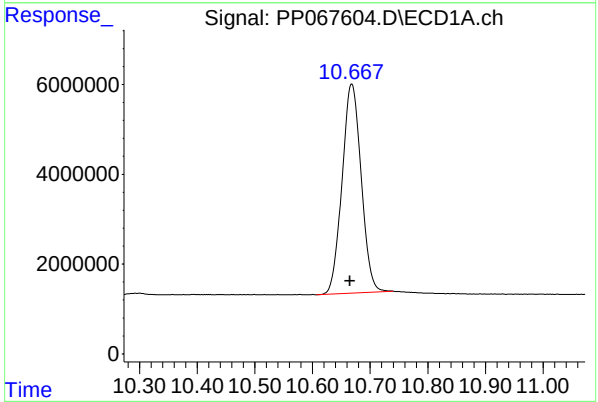
R.T.: 4.755 min
Delta R.T.: 0.001 min
Response: 93136358
Conc: 97.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



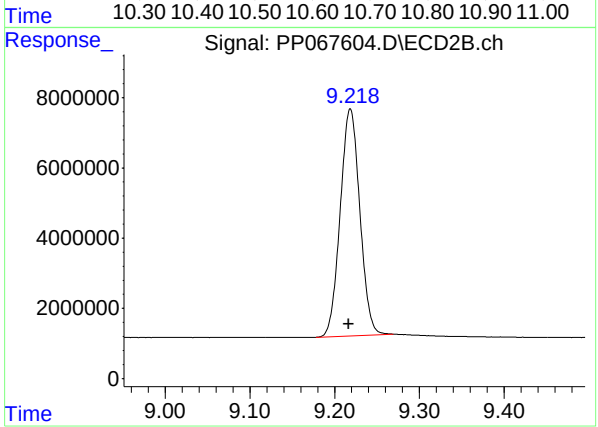

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 96989057
Conc: 93.35 ng/ml



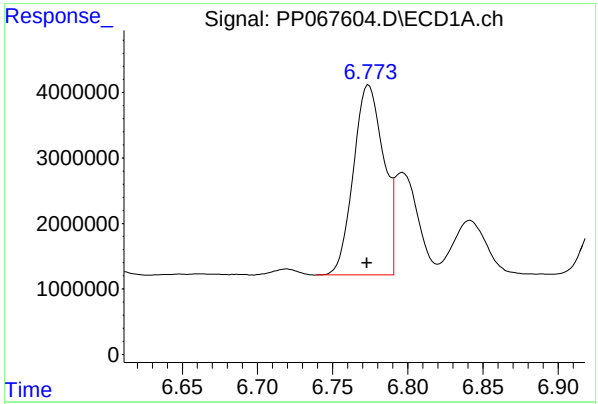

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.003 min
Response: 106849920
Conc: 90.39 ng/ml




#2 Decachlorobiphenyl

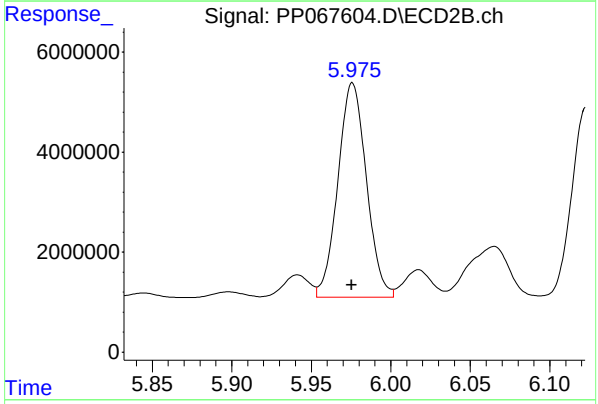
R.T.: 9.218 min
Delta R.T.: 0.002 min
Response: 104116460
Conc: 91.13 ng/ml




#26 AR-1254-1

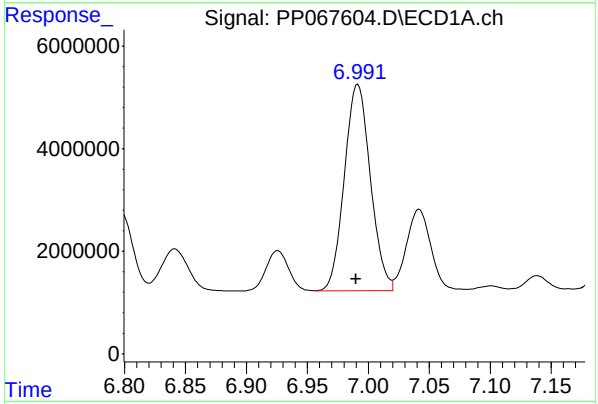
R.T.: 6.774 min
Delta R.T.: 0.001 min
Response: 40350769
Conc: 891.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



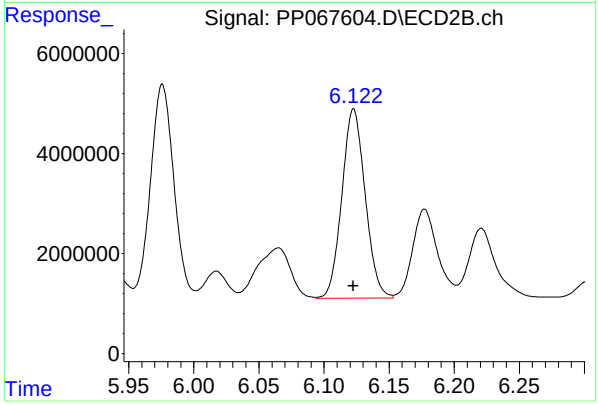

#26 AR-1254-1

R.T.: 5.976 min
Delta R.T.: 0.000 min
Response: 53478224
Conc: 907.04 ng/ml



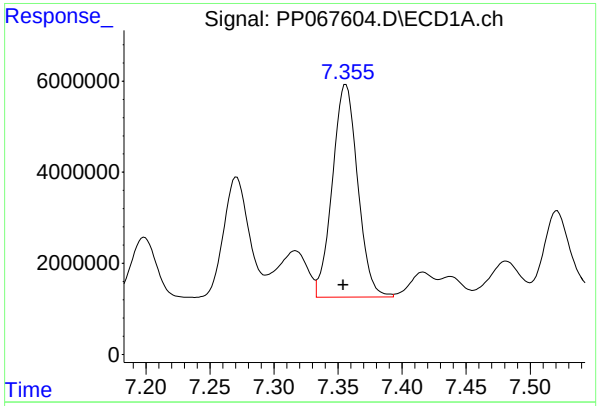

#27 AR-1254-2

R.T.: 6.992 min
Delta R.T.: 0.002 min
Response: 59814731
Conc: 909.21 ng/ml




#27 AR-1254-2

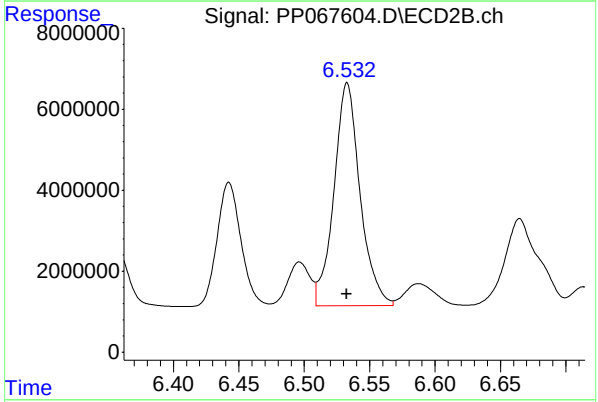
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 47135286
Conc: 903.90 ng/ml




#28 AR-1254-3

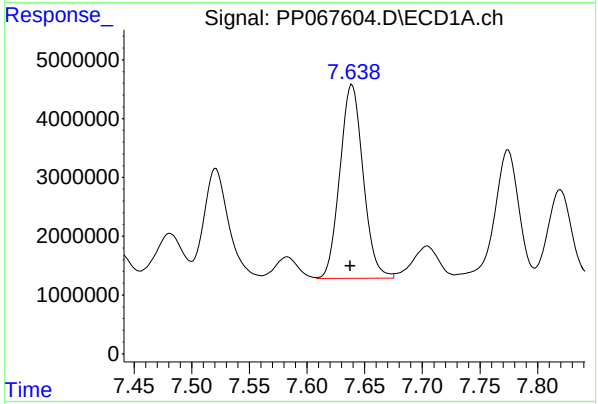
R.T.: 7.356 min
Delta R.T.: 0.002 min
Response: 64043672
Conc: 922.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000



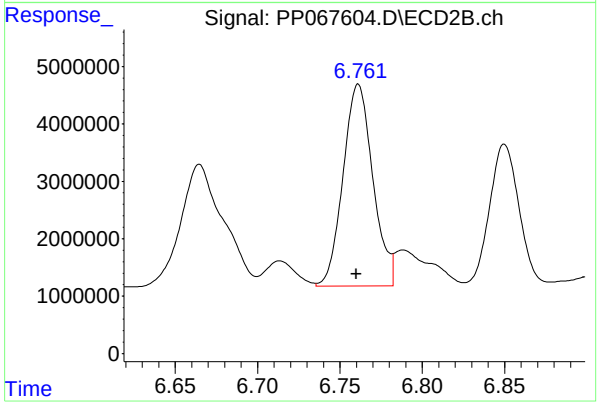

#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 76675976
Conc: 921.53 ng/ml



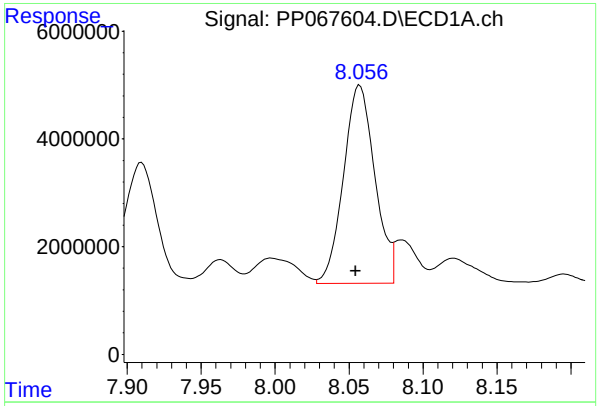

#29 AR-1254-4

R.T.: 7.639 min
Delta R.T.: 0.002 min
Response: 45989306
Conc: 916.90 ng/ml




#29 AR-1254-4

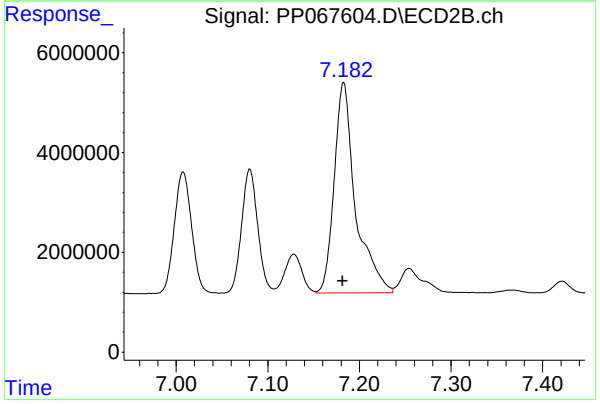
R.T.: 6.761 min
Delta R.T.: 0.001 min
Response: 44235570
Conc: 914.64 ng/ml




#30 AR-1254-5

R.T.: 8.057 min
Delta R.T.: 0.003 min
Response: 54192853
Conc: 907.28 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC1000




#30 AR-1254-5

R.T.: 7.183 min
Delta R.T.: 0.001 min
Response: 68142947
Conc: 923.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.051 | 70192351 | 74352040 | 73.411 | 71.563 |
| 2) | SA Decachlor... | 10.667 | 9.217 | 82958706 | 81163692 | 70.176 | 71.038 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.974 | 31561919 | 41171965 | 696.975 | 698.314 |
| 27) | L6 AR-1254-2 | 6.990 | 6.122 | 46597143 | 36504234 | 708.296 | 700.030 |
| 28) | L6 AR-1254-3 | 7.355 | 6.532 | 49373386 | 58927028 | 711.552 | 708.211 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 35595125 | 34454732 | 709.666 | 712.409 |
| 30) | L6 AR-1254-5 | 8.055 | 7.181 | 42804650 | 53003573 | 716.622m | 718.591 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067605.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:21
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 21 Sample Multiplier: 1

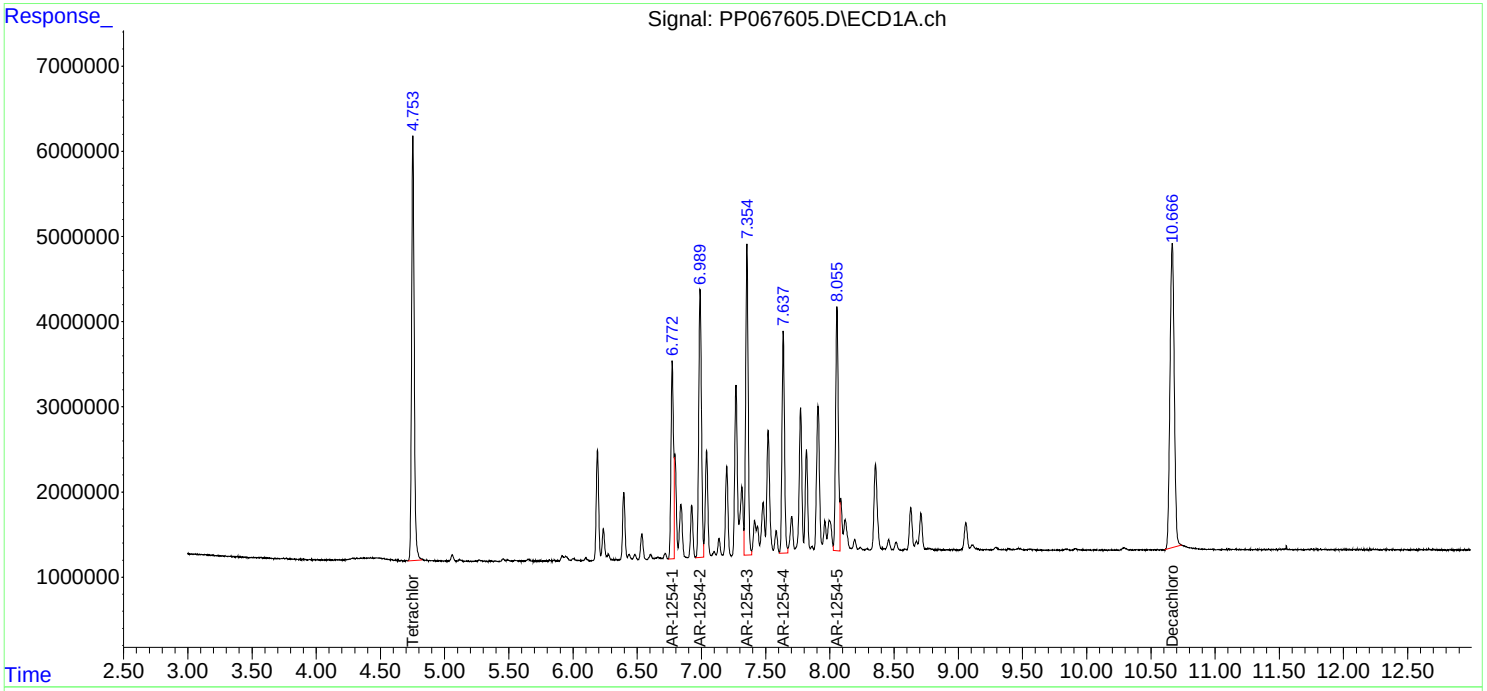
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

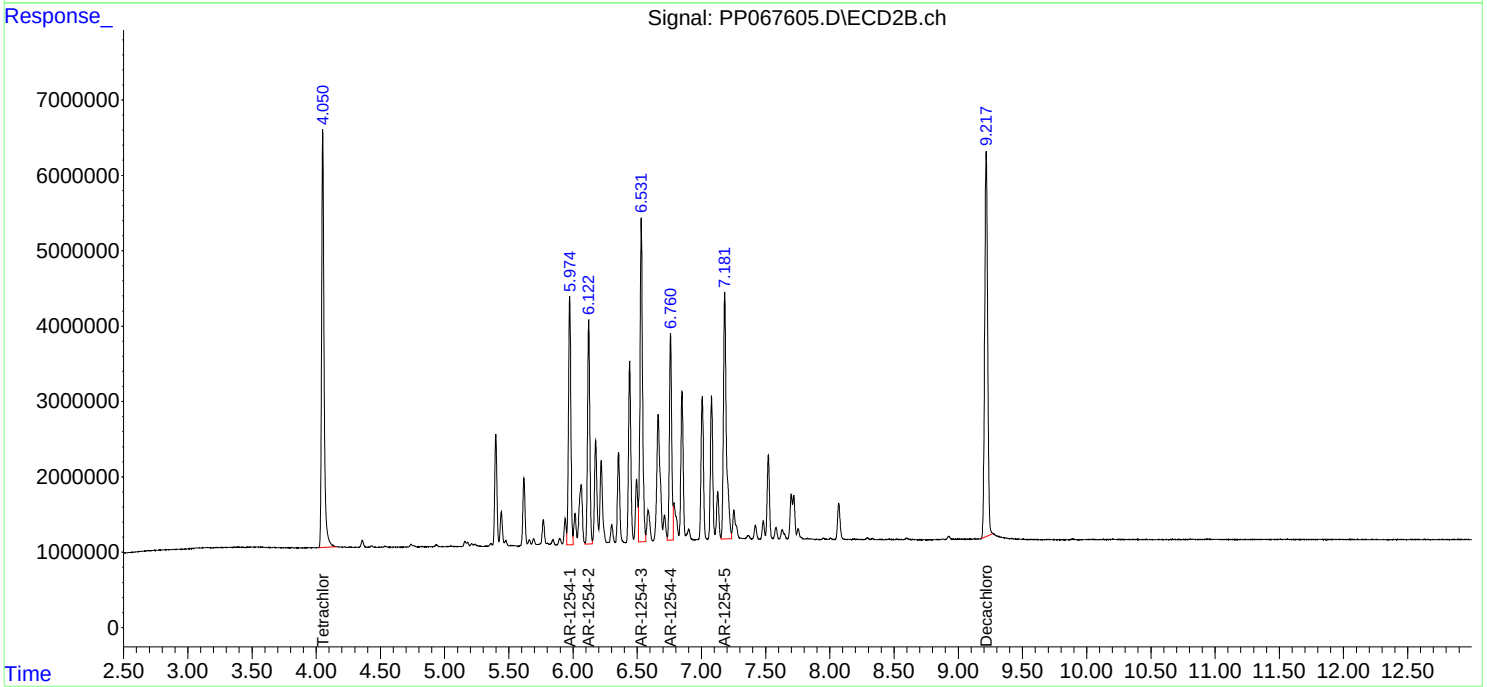
**Manual Integrations APPROVED**

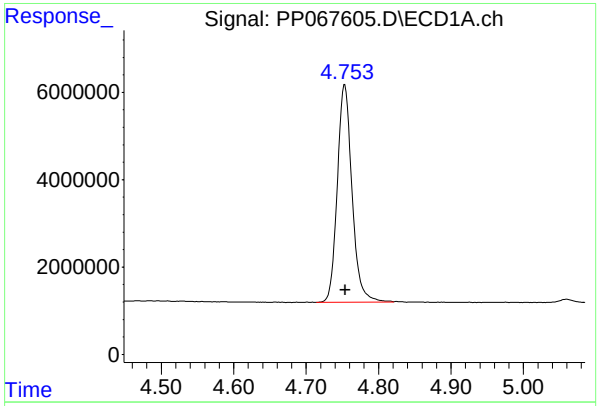
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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





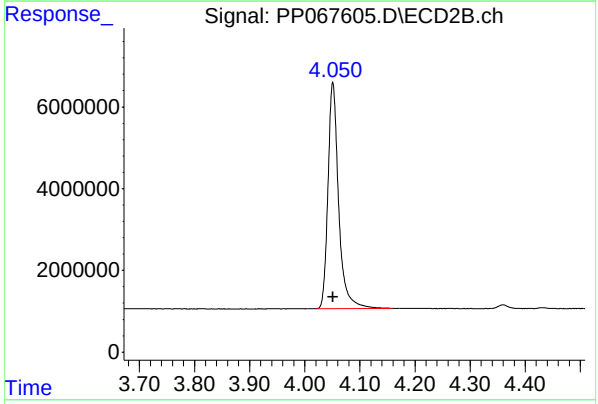

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 70192351
Conc: 73.41 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

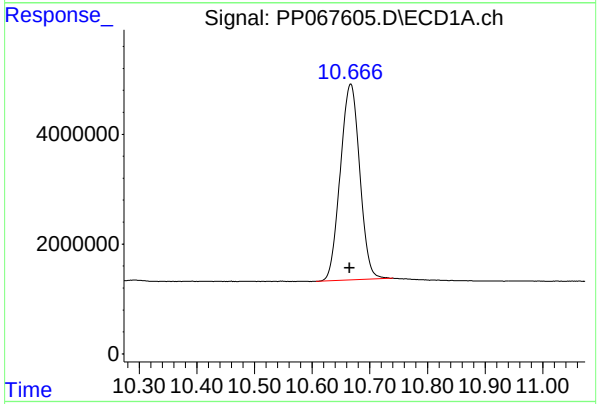
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



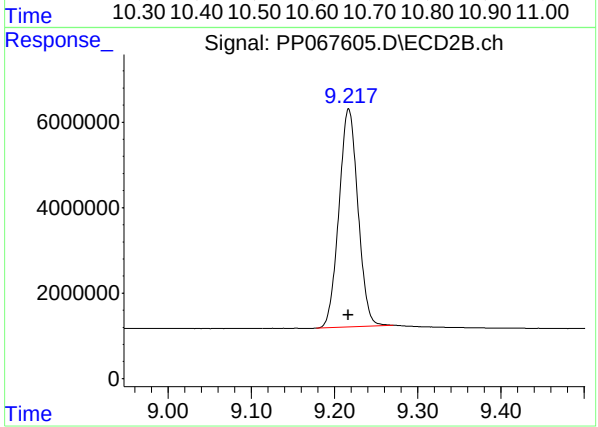

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 74352040
Conc: 71.56 ng/ml



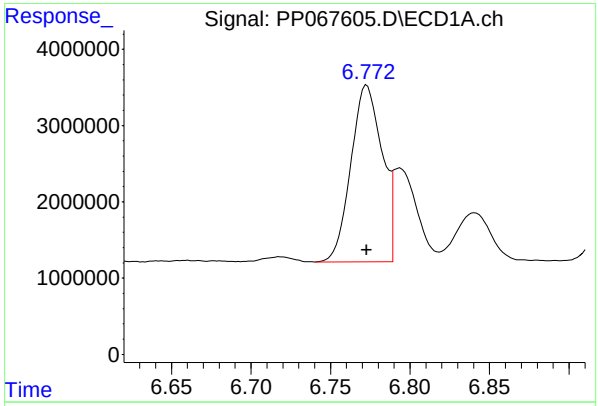

#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.002 min
Response: 82958706
Conc: 70.18 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 81163692
Conc: 71.04 ng/ml



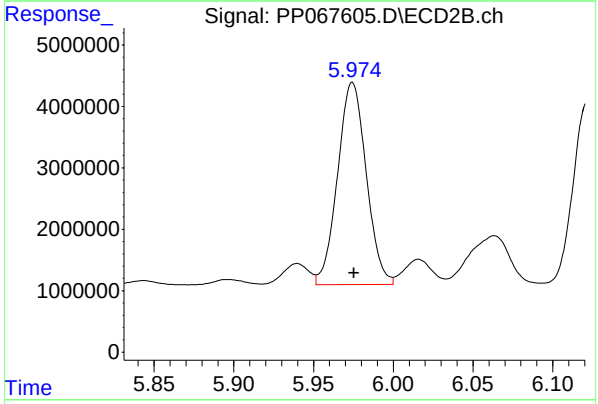

#26 AR-1254-1

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 31561919
Conc: 696.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

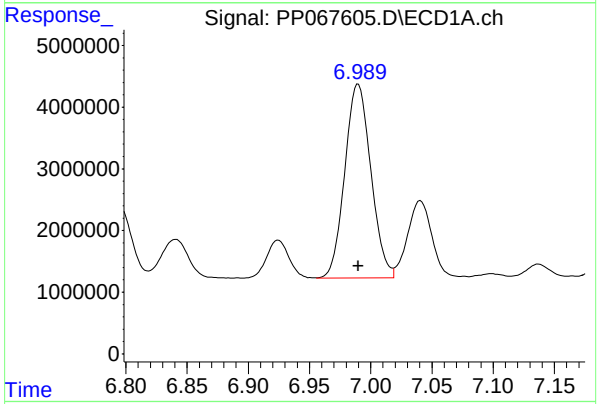
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



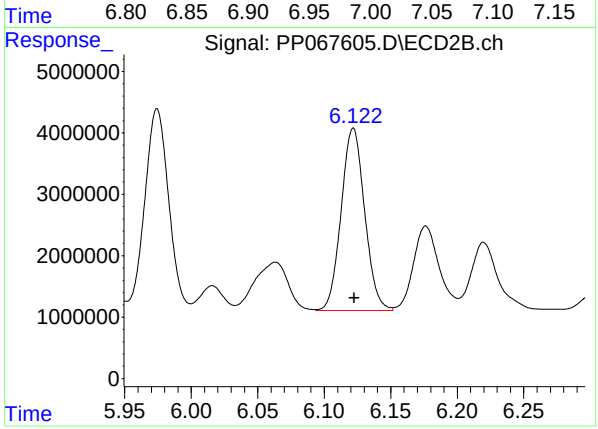

#26 AR-1254-1

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 41171965
Conc: 698.31 ng/ml



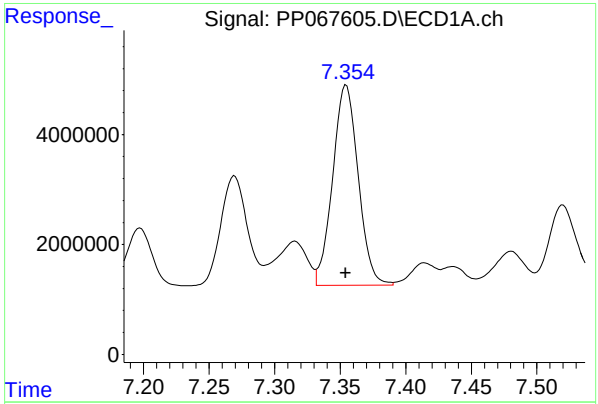

#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 46597143
Conc: 708.30 ng/ml




#27 AR-1254-2

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 36504234
Conc: 700.03 ng/ml



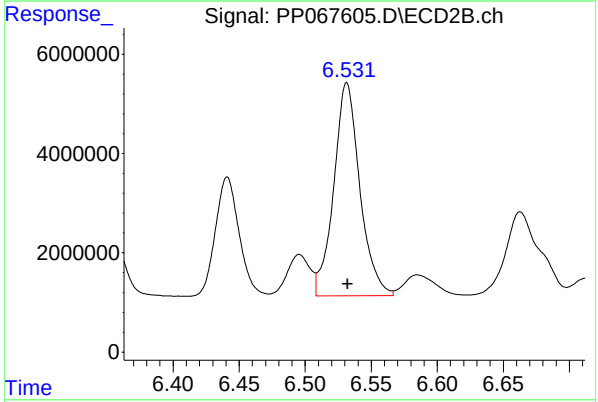

#28 AR-1254-3

R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 49373386
Conc: 711.55 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

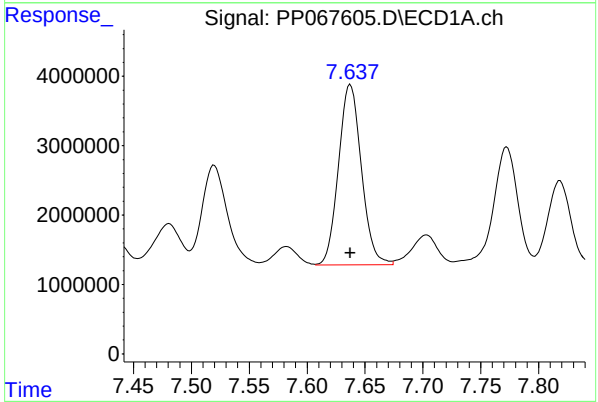
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



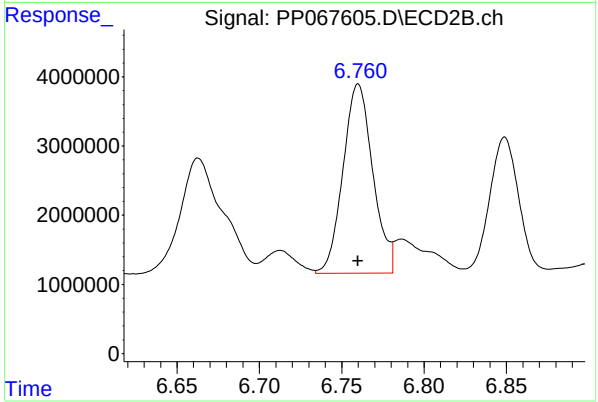

#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 58927028
Conc: 708.21 ng/ml



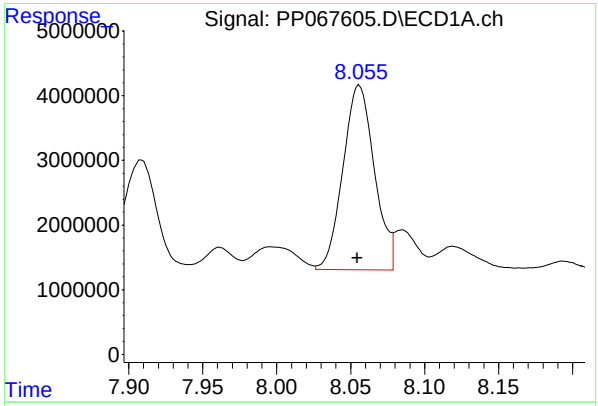

#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 35595125
Conc: 709.67 ng/ml




#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 34454732
Conc: 712.41 ng/ml



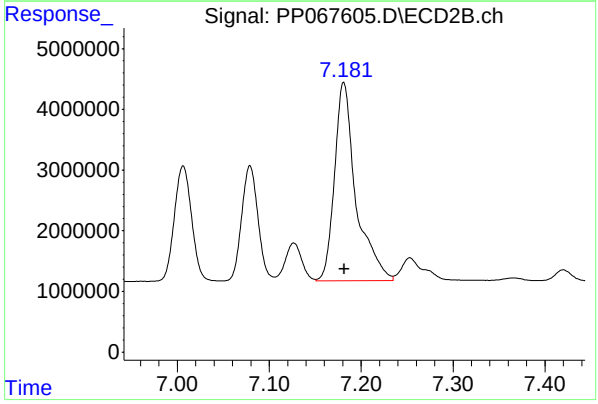

#30 AR-1254-5

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 42804650
Conc: 716.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC750

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#30 AR-1254-5

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 53003573
Conc: 718.59 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 47807478 | 51948776 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 59107523 | 57126860 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.975 | 22642078 | 29479569 | 500.000 | 500.000 |
| 27) | L6 AR-1254-2 | 6.990 | 6.122 | 32893849 | 26073326 | 500.000 | 500.000 |
| 28) | L6 AR-1254-3 | 7.354 | 6.532 | 34694173 | 41602708 | 500.000 | 500.000 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 25078789 | 24181840 | 500.000 | 500.000 |
| 30) | L6 AR-1254-5 | 8.055 | 7.182 | 29926276 | 36880207 | 501.016m | 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\PP100824\
Data File : PP067606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:37
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 22 Sample Multiplier: 1

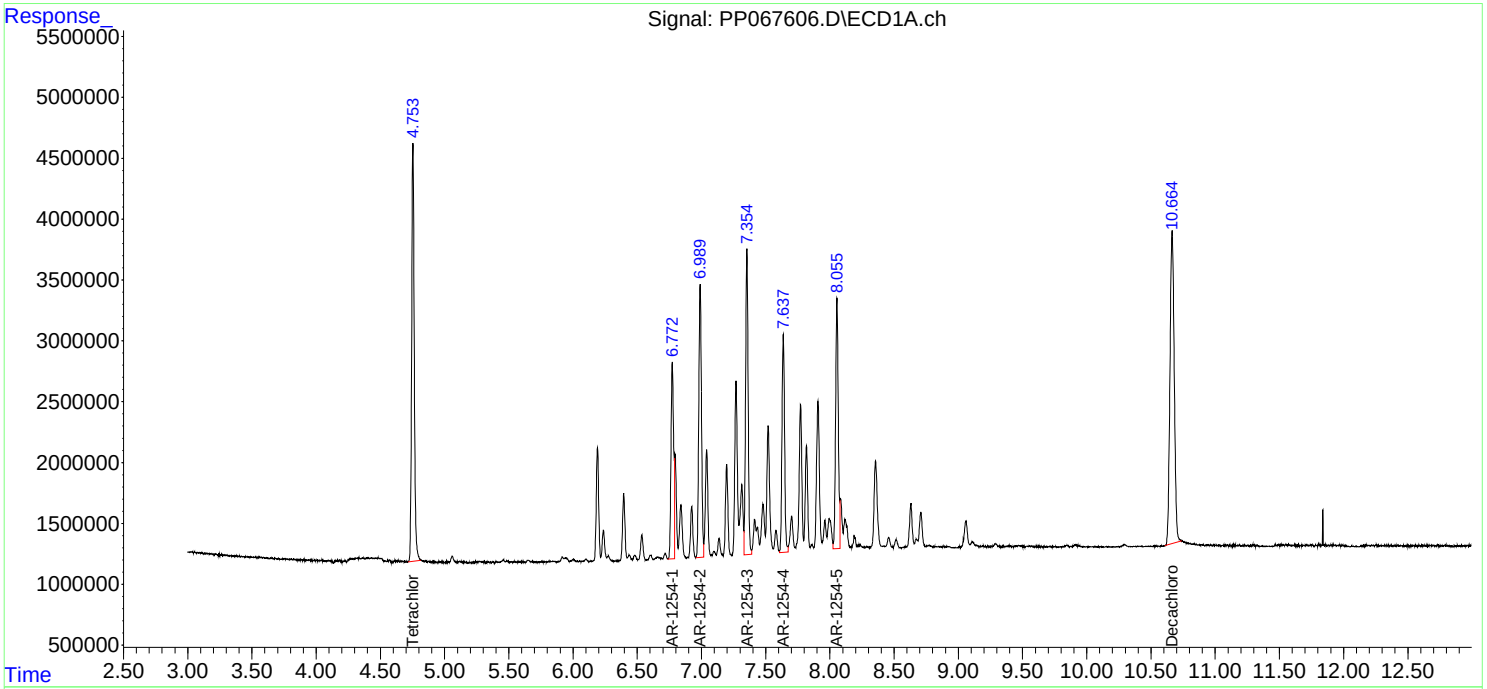
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

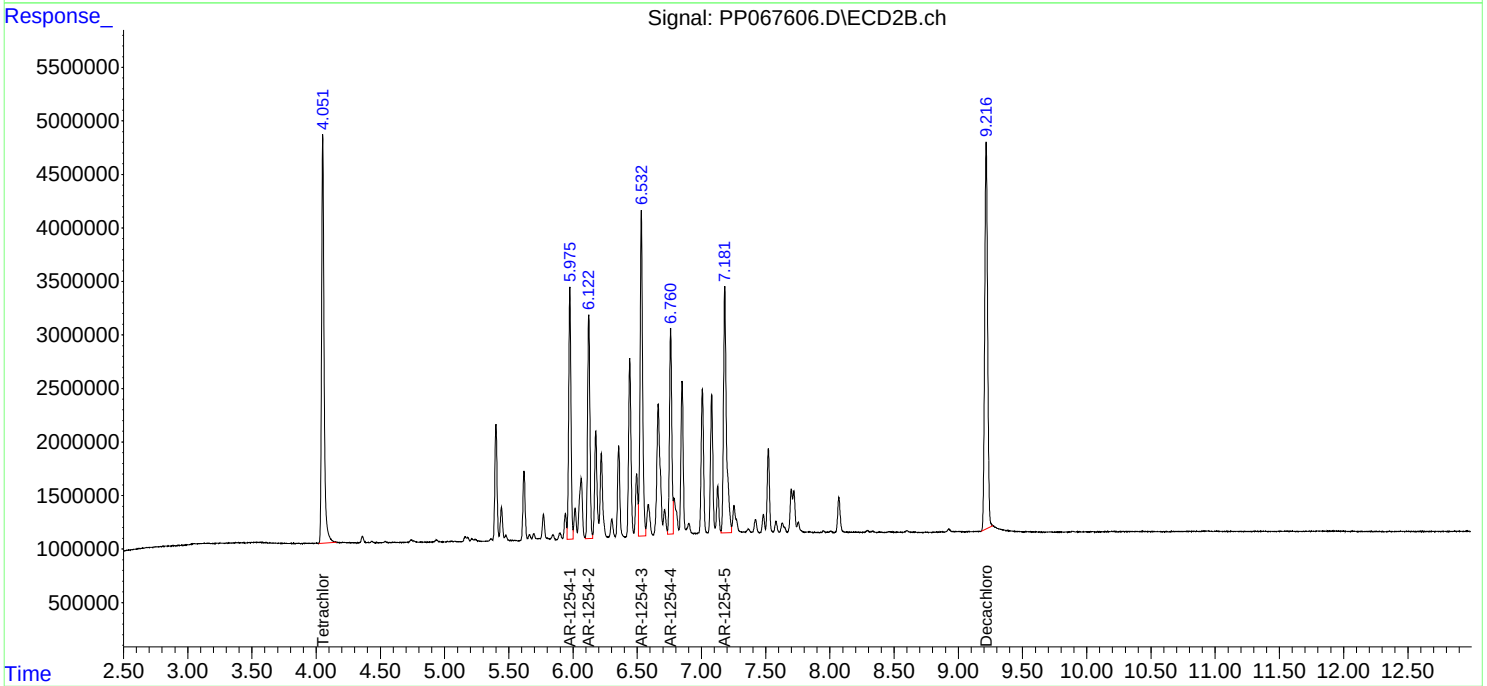
**Manual Integrations APPROVED**

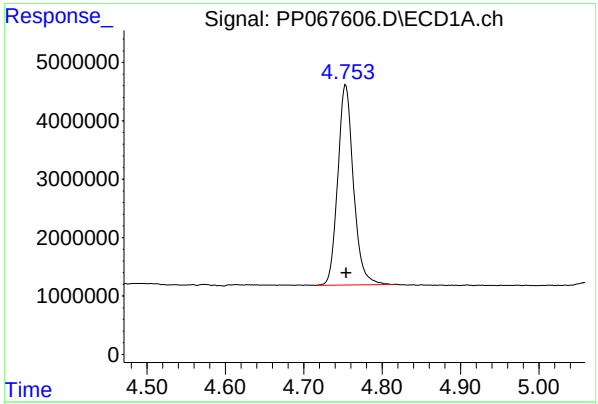
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:25:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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





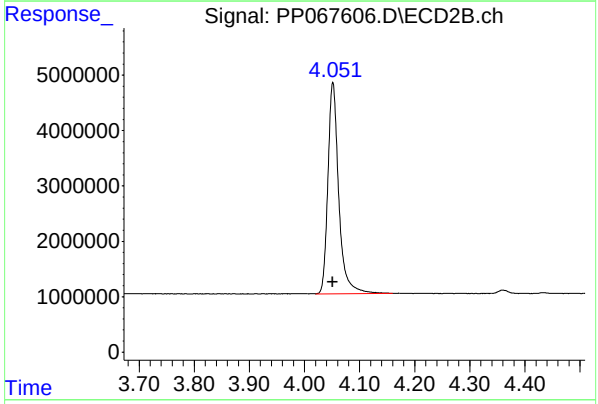

#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 47807478
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

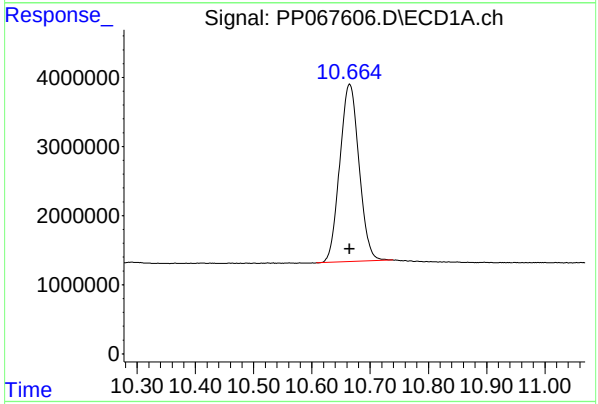
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



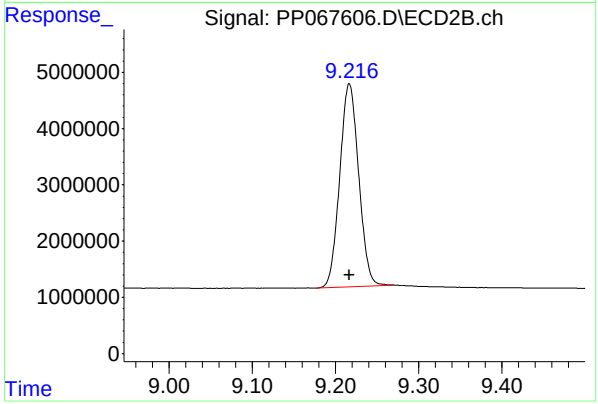

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51948776
Conc: 50.00 ng/ml



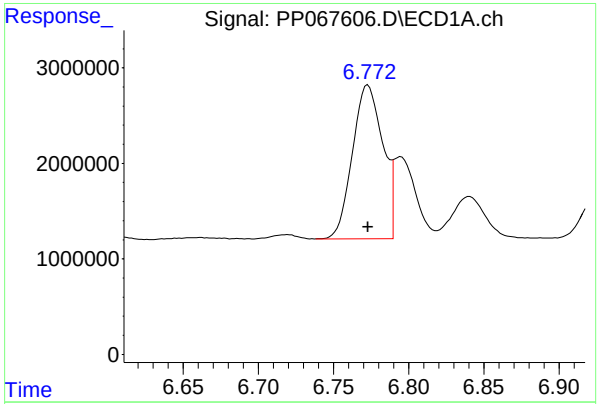

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 59107523
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 57126860
Conc: 50.00 ng/ml



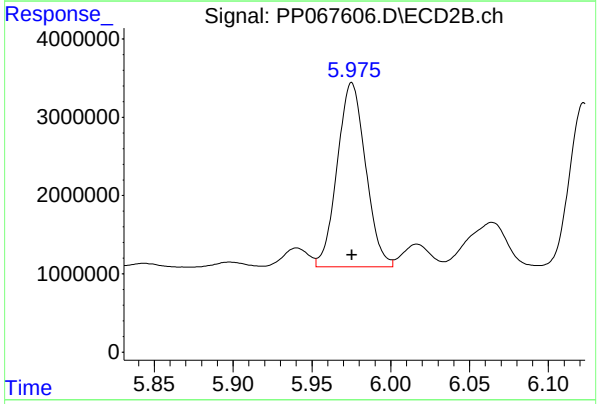

#26 AR-1254-1

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 22642078
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

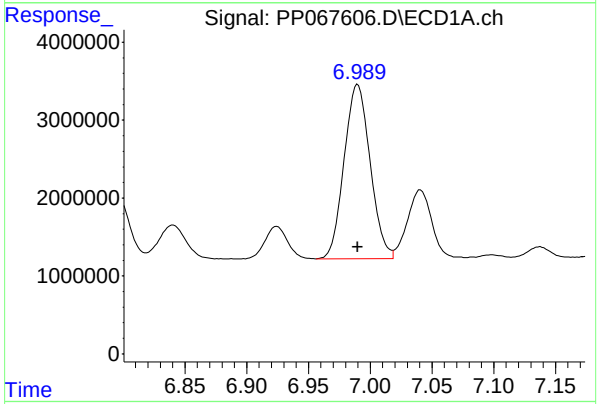
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



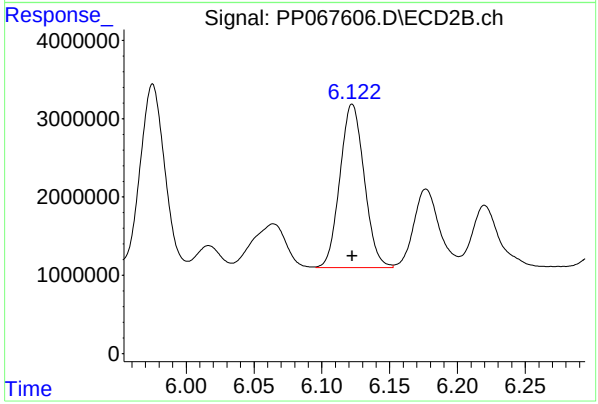

#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 29479569
Conc: 500.00 ng/ml



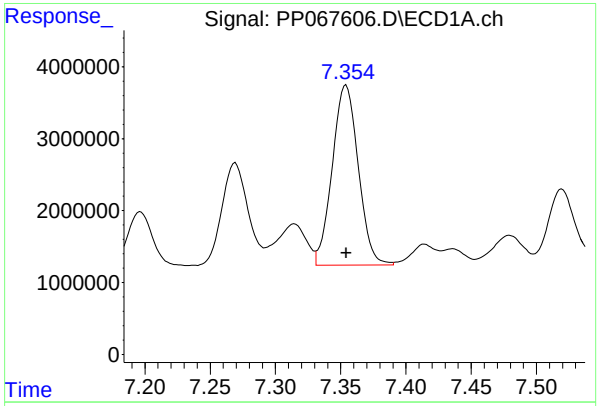

#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 32893849
Conc: 500.00 ng/ml




#27 AR-1254-2

R.T.: 6.122 min
Delta R.T.: 0.000 min
Response: 26073326
Conc: 500.00 ng/ml



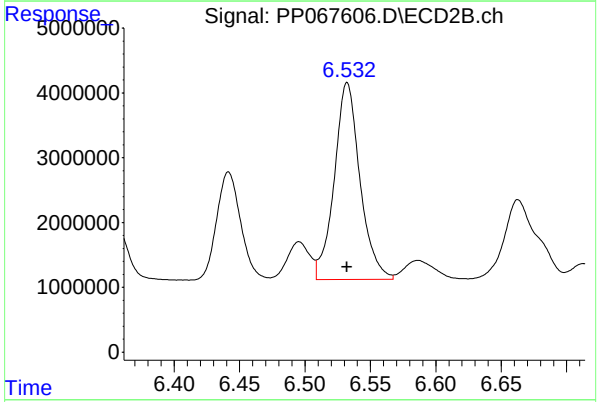

#28 AR-1254-3

R.T.: 7.354 min
Delta R.T.: 0.000 min
Response: 34694173
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

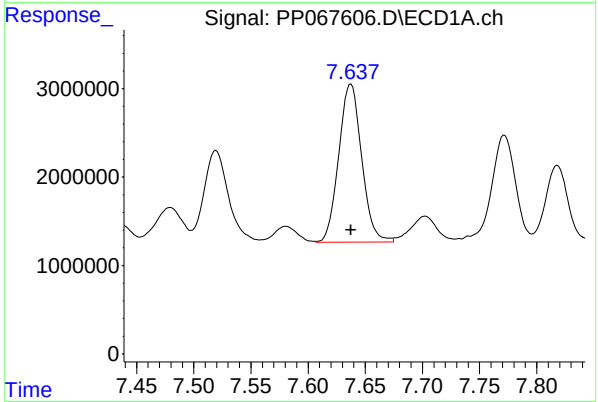
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



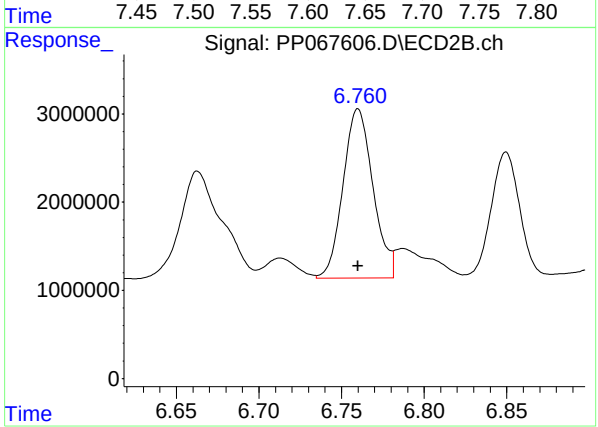

#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 41602708
Conc: 500.00 ng/ml



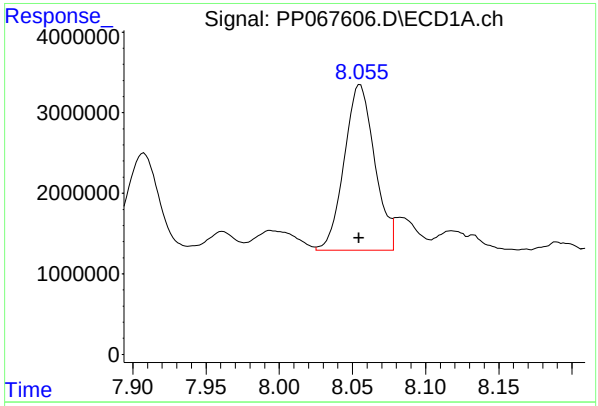

#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 25078789
Conc: 500.00 ng/ml




#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 24181840
Conc: 500.00 ng/ml



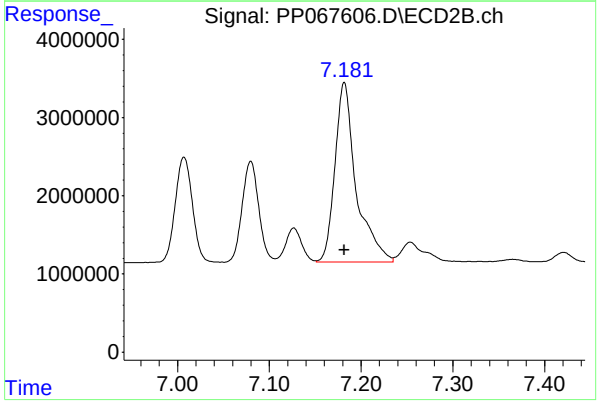

#30 AR-1254-5

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 29926276
Conc: 501.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC500

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 36880207
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
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: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 24728991 | 26617685 | 25.863 | 25.619 |
| 2) | SA Decachlor... | 10.667 | 9.218 | 32450308 | 31106143 | 27.450 | 27.225 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.773 | 5.975 | 12217138 | 16021364 | 269.788 | 271.737 |
| 27) | L6 AR-1254-2 | 6.990 | 6.123 | 17906285 | 14230610 | 272.183 | 272.896 |
| 28) | L6 AR-1254-3 | 7.355 | 6.533 | 18695673 | 22271744 | 269.435 | 267.672 |
| 29) | L6 AR-1254-4 | 7.637 | 6.761 | 13605001 | 12984675 | 271.245 | 268.480 |
| 30) | L6 AR-1254-5 | 8.056 | 7.182 | 16027101 | 19703311 | 268.321 | 267.126 |

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

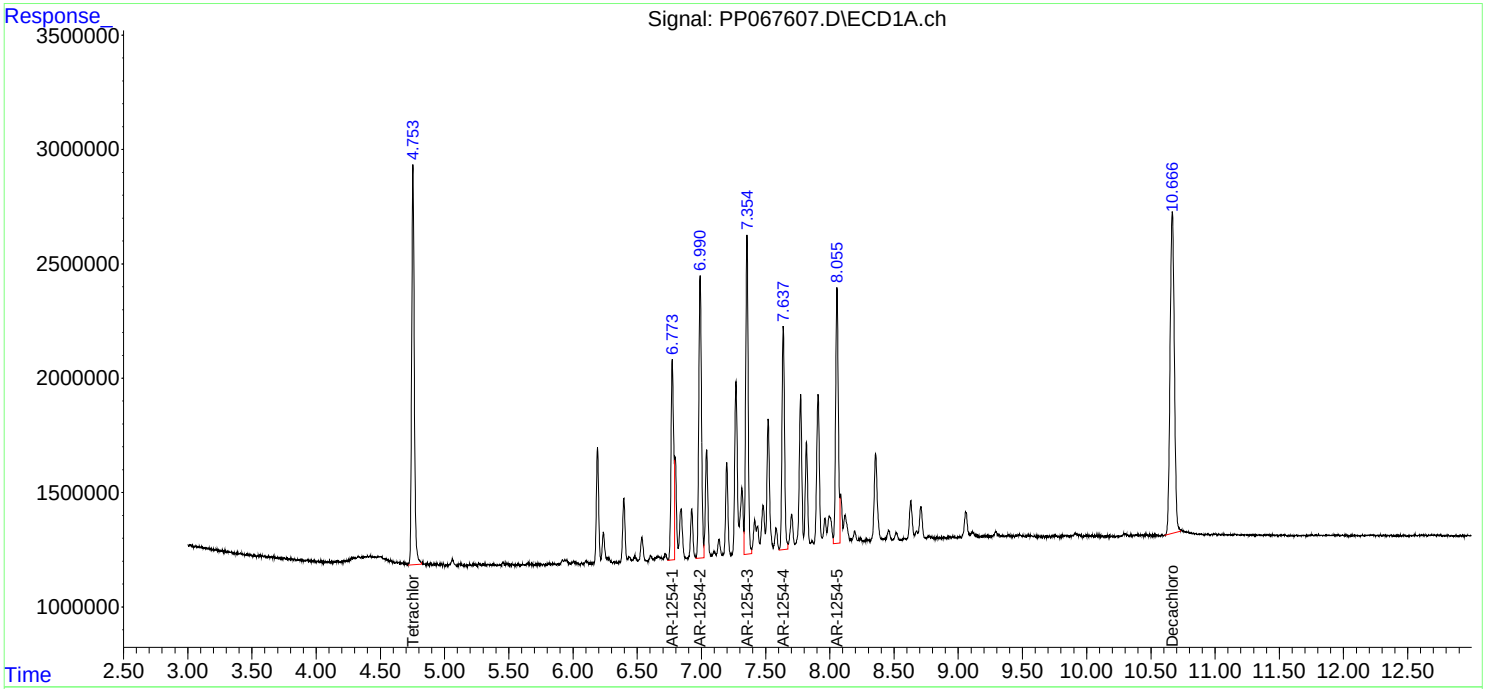
ICAL Form

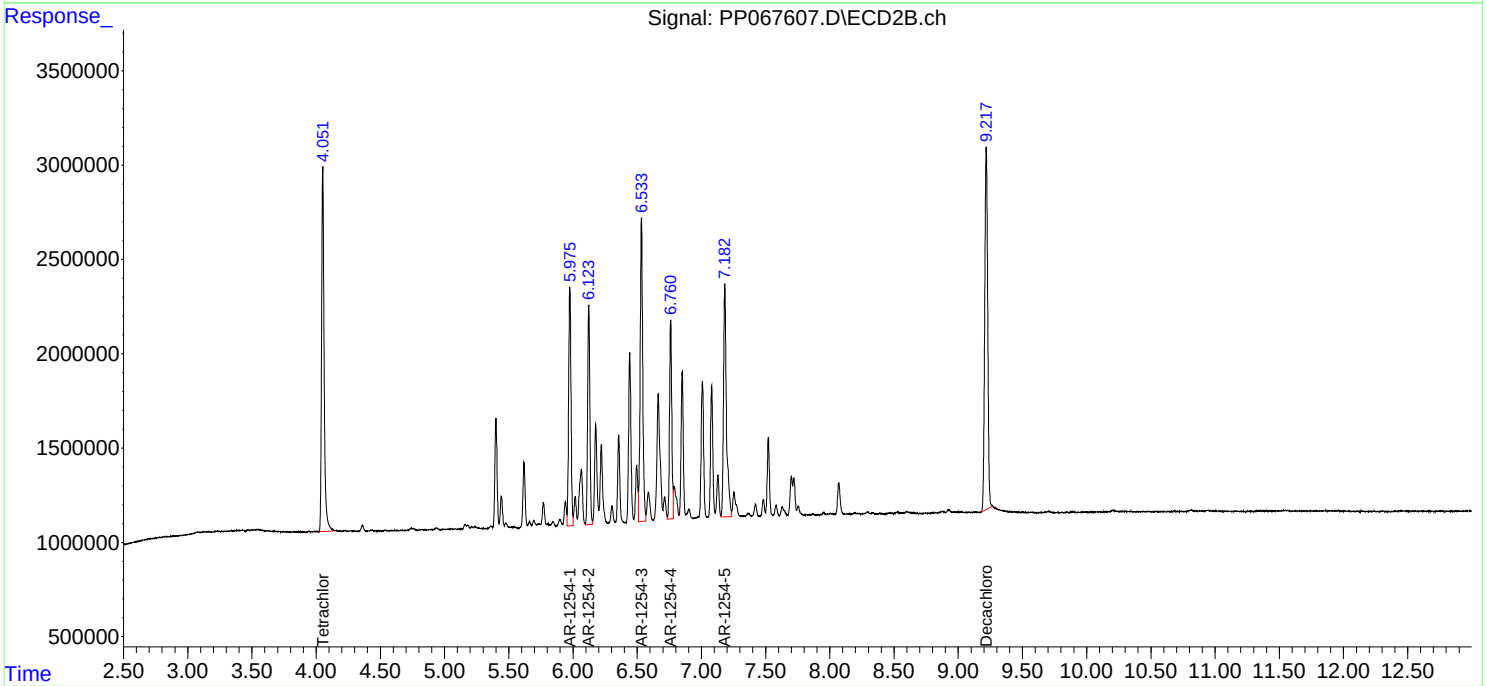
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 21:53
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 23 Sample Multiplier: 1

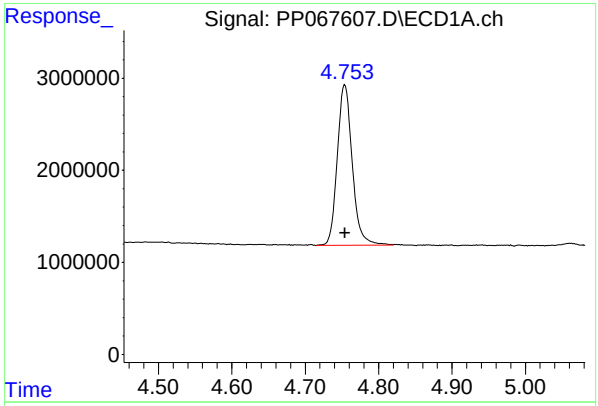
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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



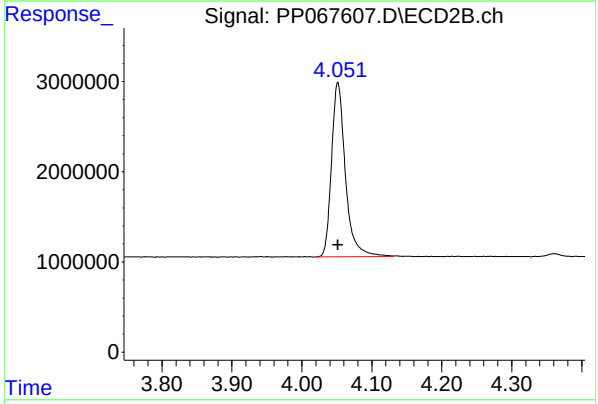






#1 Tetrachloro-m-xylene

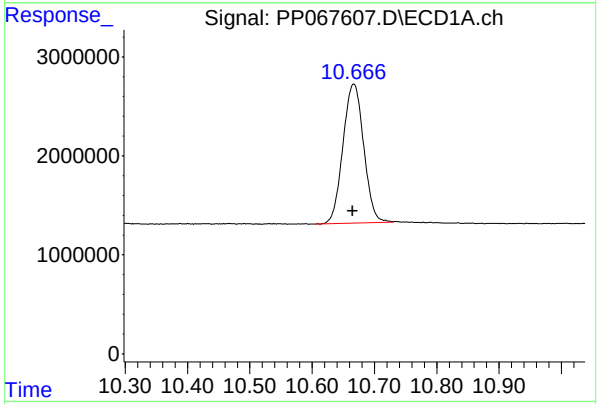
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 24728991
Conc: 25.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



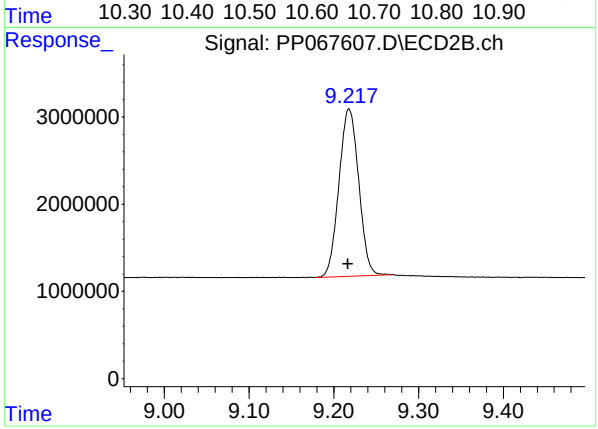

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 26617685
Conc: 25.62 ng/ml



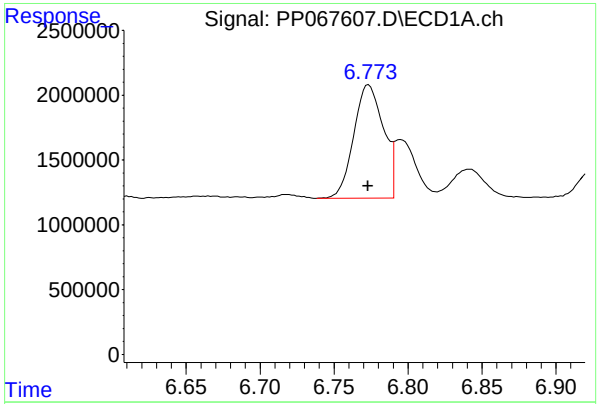

#2 Decachlorobiphenyl

R.T.: 10.667 min
Delta R.T.: 0.002 min
Response: 32450308
Conc: 27.45 ng/ml




#2 Decachlorobiphenyl

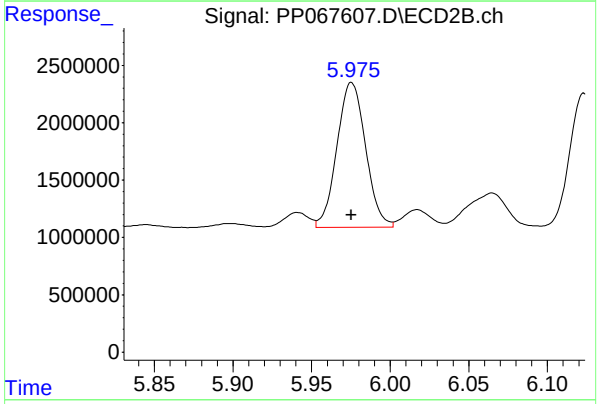
R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 31106143
Conc: 27.23 ng/ml




#26 AR-1254-1

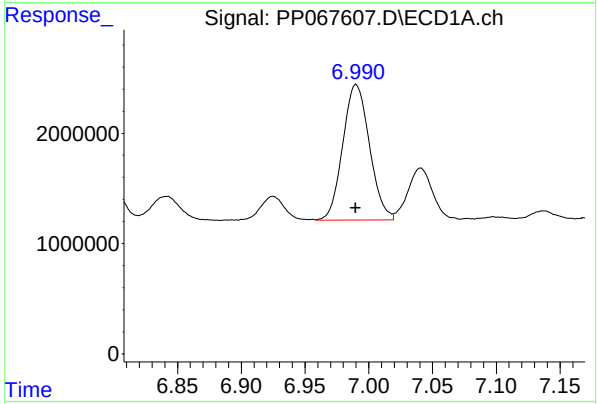
R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 12217138
Conc: 269.79 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



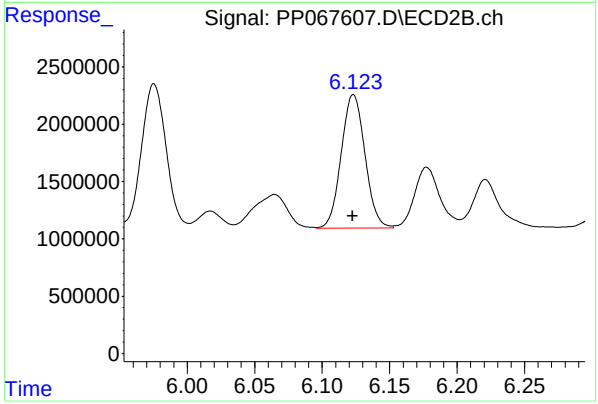

#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 16021364
Conc: 271.74 ng/ml



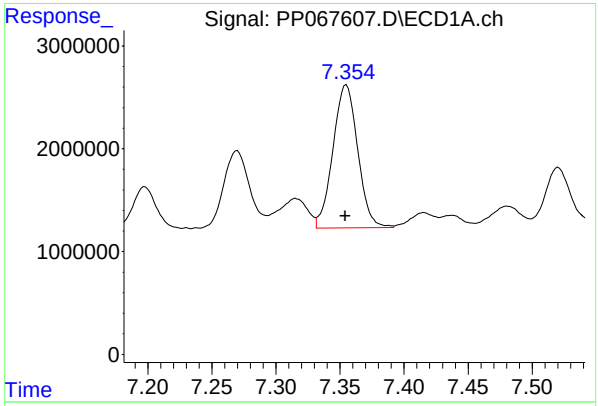

#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 17906285
Conc: 272.18 ng/ml




#27 AR-1254-2

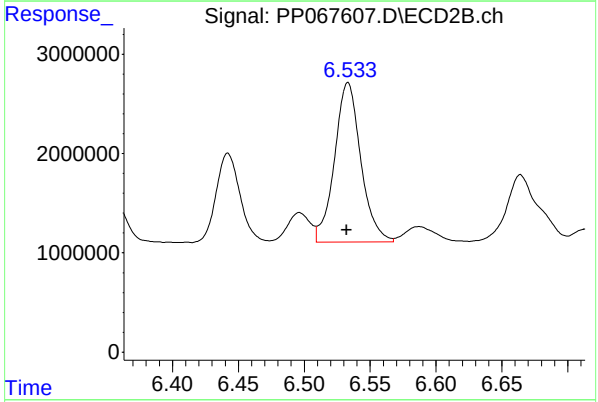
R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 14230610
Conc: 272.90 ng/ml




#28 AR-1254-3

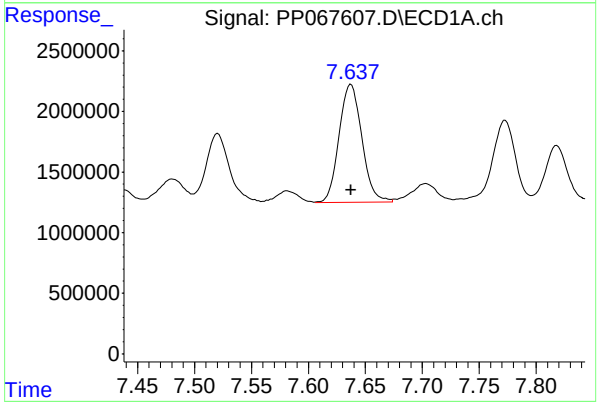
R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 18695673
Conc: 269.44 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250



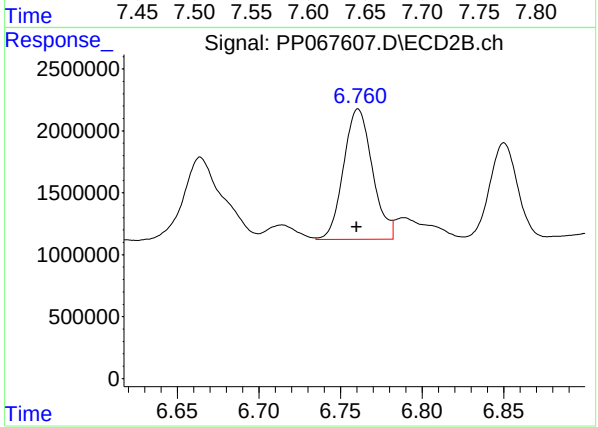

#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 22271744
Conc: 267.67 ng/ml



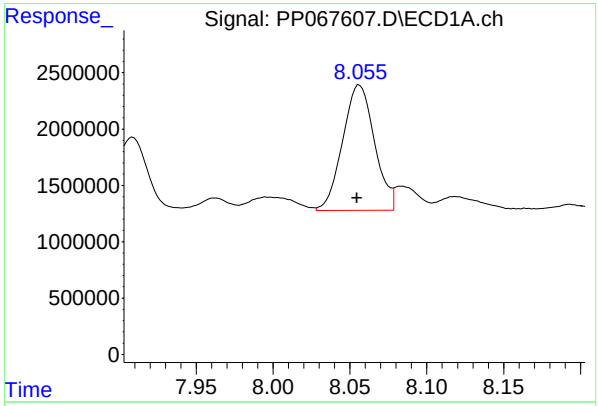

#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 13605001
Conc: 271.25 ng/ml




#29 AR-1254-4

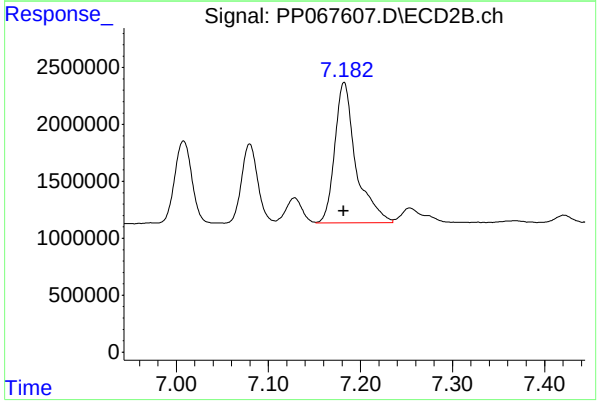
R.T.: 6.761 min
Delta R.T.: 0.000 min
Response: 12984675
Conc: 268.48 ng/ml




#30 AR-1254-5

R.T.: 8.056 min
Delta R.T.: 0.002 min
Response: 16027101
Conc: 268.32 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC250




#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 19703311
Conc: 267.13 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 4394026 | 4972328 | 4.596 | 4.786 |
| 2) | SA Decachlor... | 10.664 | 9.218 | 6314277 | 6350903 | 5.341 | 5.559 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.772 | 5.976 | 2366321 | 3200036 | 52.255m | 54.275 |
| 27) | L6 AR-1254-2 | 6.990 | 6.123 | 3556583 | 2872212 | 54.062 | 55.080 |
| 28) | L6 AR-1254-3 | 7.355 | 6.533 | 3660885 | 4425126 | 52.759 | 53.183 |
| 29) | L6 AR-1254-4 | 7.637 | 6.760 | 2574785 | 2544683 | 51.334 | 52.616m |
| 30) | L6 AR-1254-5 | 8.056 | 7.182 | 3061843 | 3818409 | 51.260 | 51.768 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:09
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 24 Sample Multiplier: 1

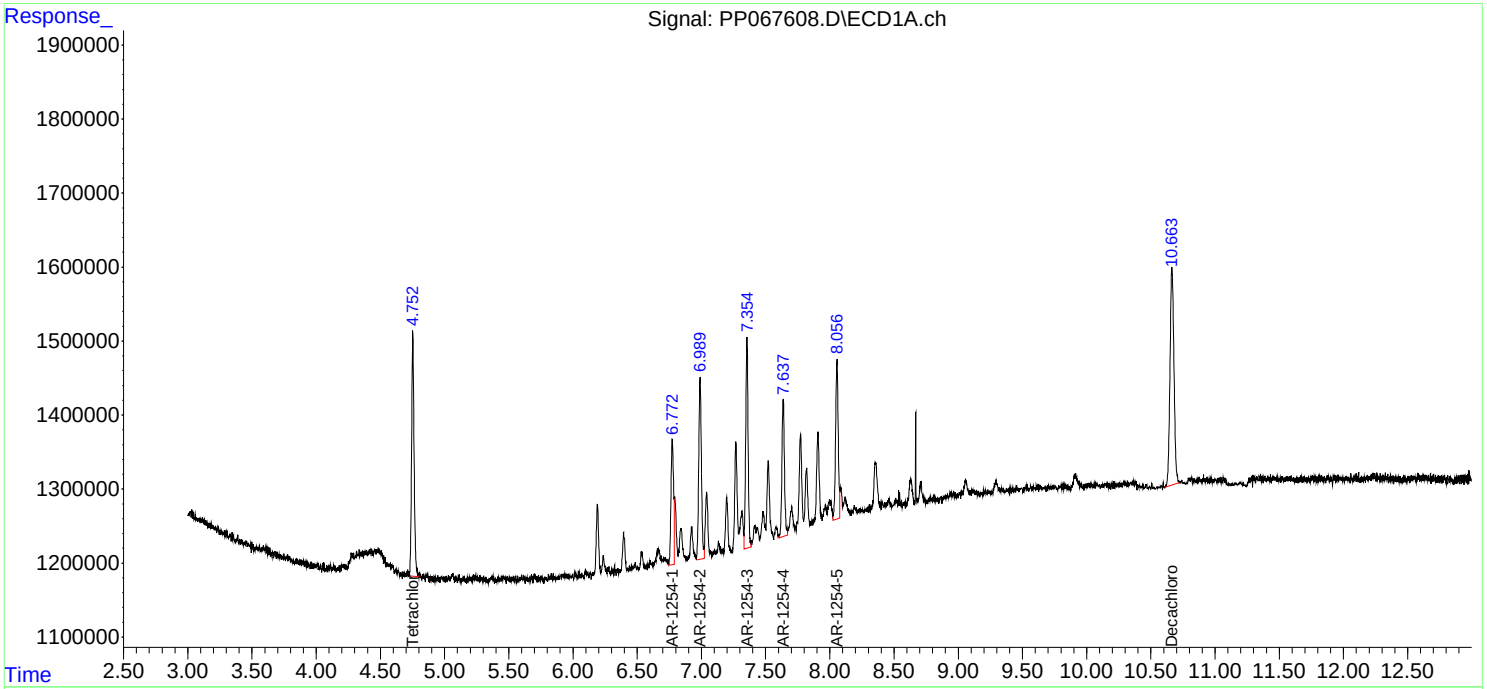
**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

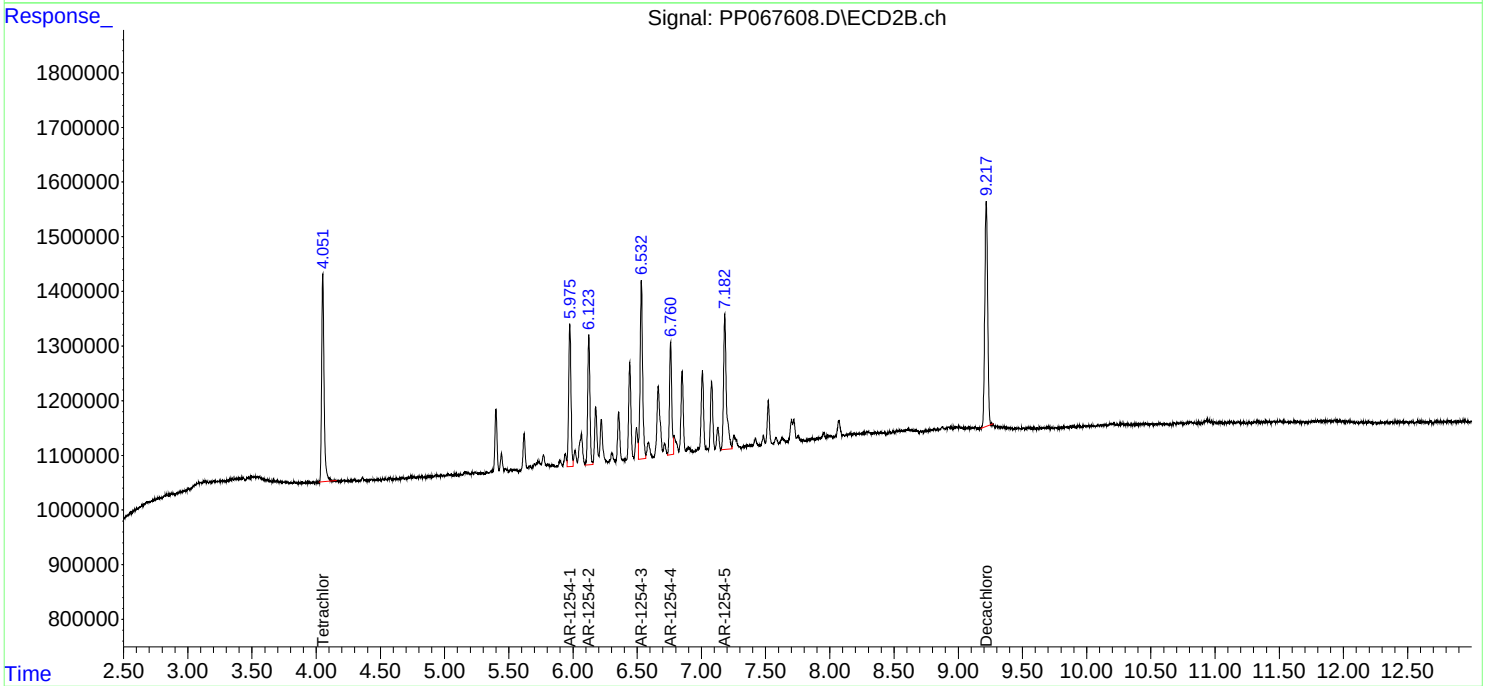
**Manual Integrations APPROVED**

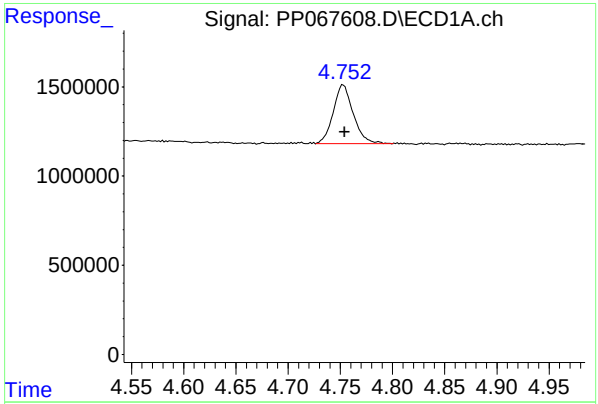
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:26:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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





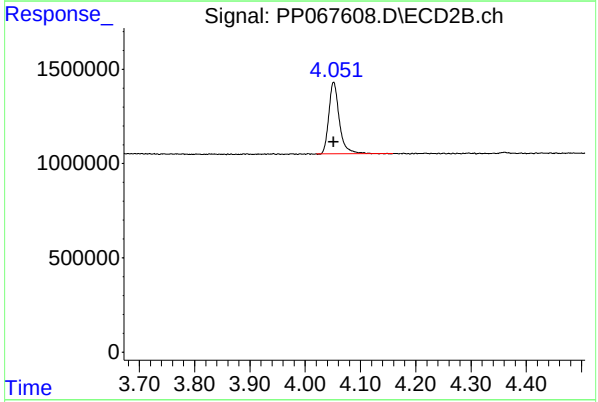

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: -0.001 min
Response: 4394026
Conc: 4.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

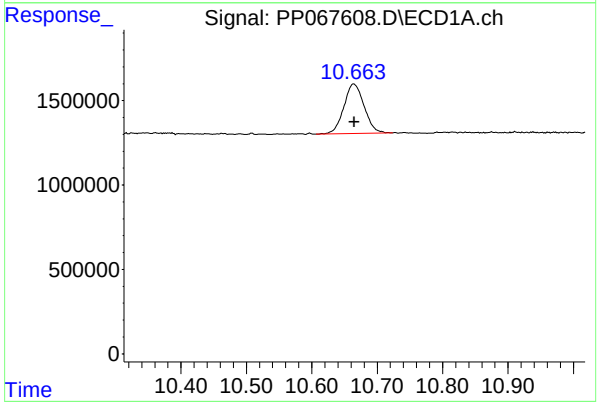
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



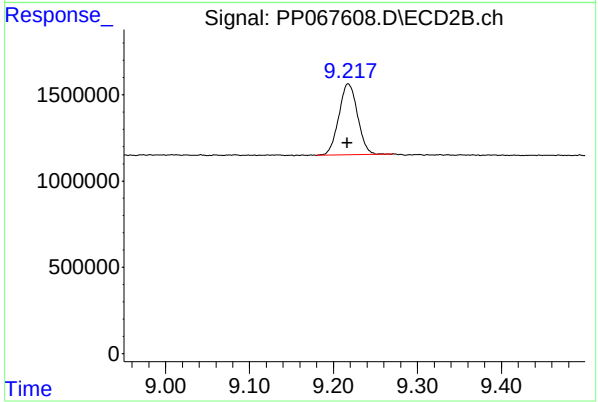

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4972328
Conc: 4.79 ng/ml



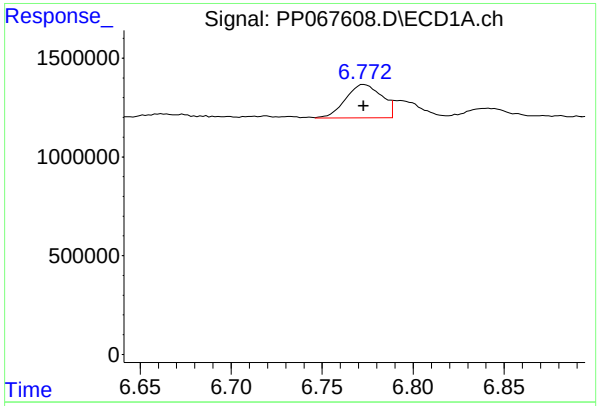

#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: 0.000 min
Response: 6314277
Conc: 5.34 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.001 min
Response: 6350903
Conc: 5.56 ng/ml



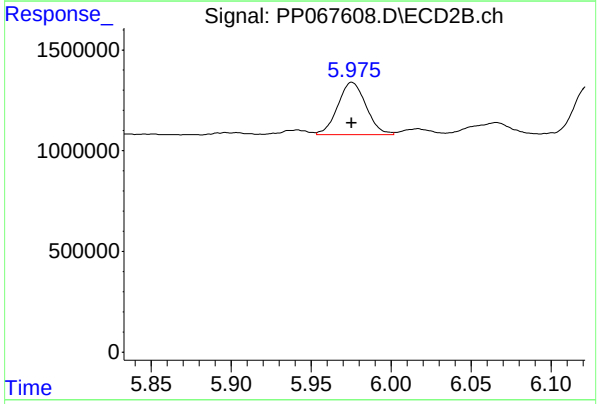

#26 AR-1254-1

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2366321
Conc: 52.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

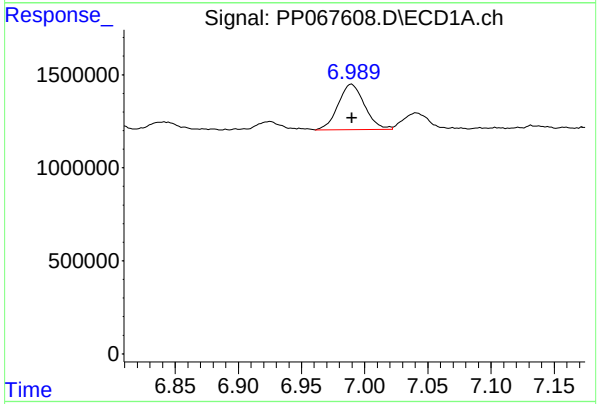
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



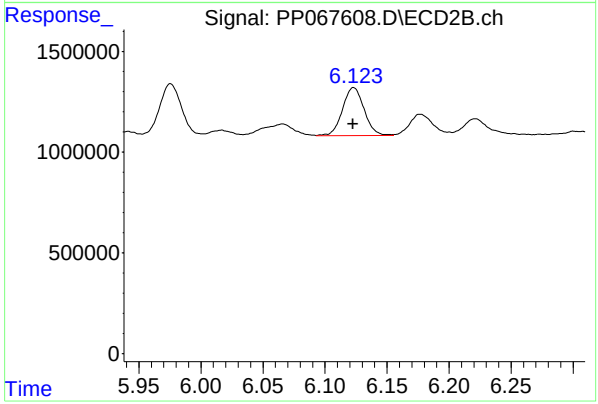

#26 AR-1254-1

R.T.: 5.976 min
Delta R.T.: 0.000 min
Response: 3200036
Conc: 54.28 ng/ml



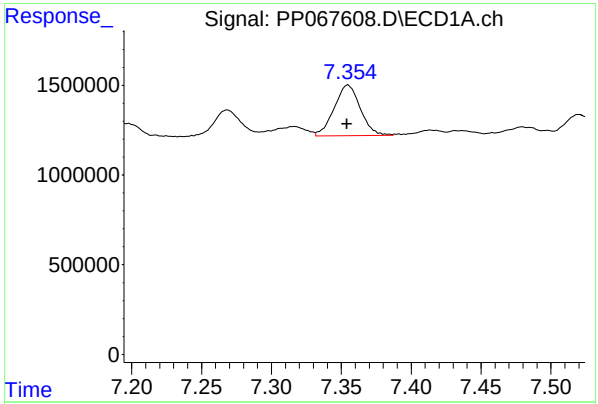

#27 AR-1254-2

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 3556583
Conc: 54.06 ng/ml




#27 AR-1254-2

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 2872212
Conc: 55.08 ng/ml



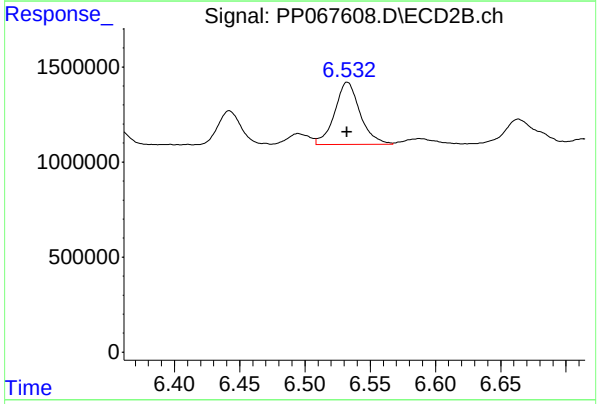

#28 AR-1254-3

R.T.: 7.355 min
Delta R.T.: 0.000 min
Response: 3660885
Conc: 52.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

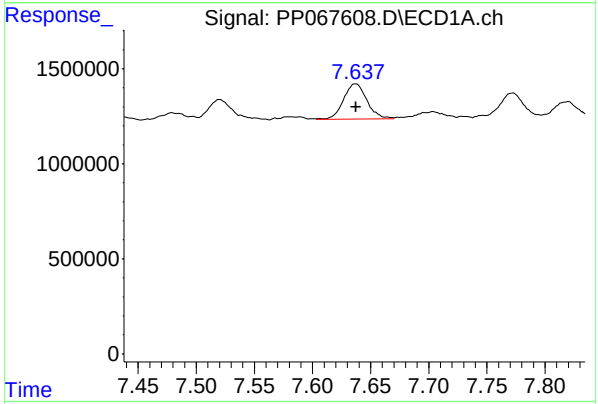
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



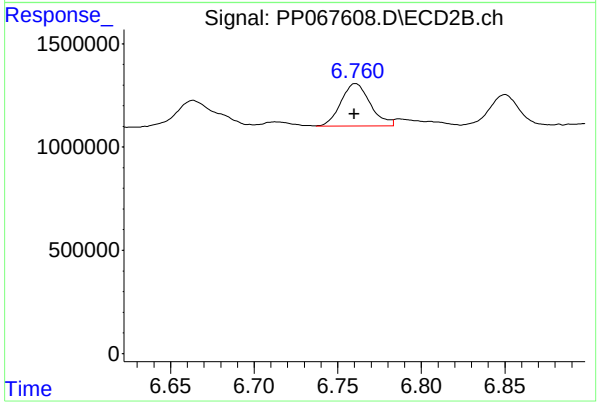

#28 AR-1254-3

R.T.: 6.533 min
Delta R.T.: 0.000 min
Response: 4425126
Conc: 53.18 ng/ml



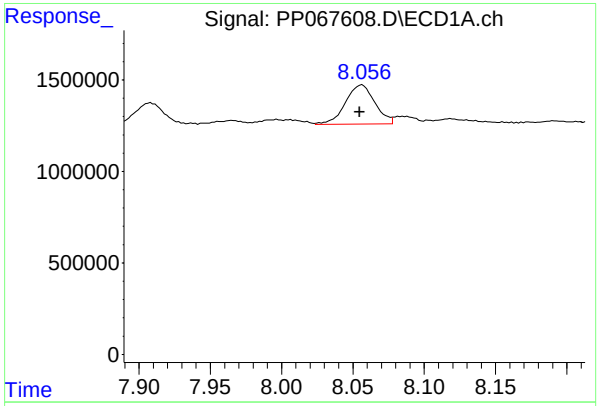

#29 AR-1254-4

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 2574785
Conc: 51.33 ng/ml




#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 2544683
Conc: 52.62 ng/ml m



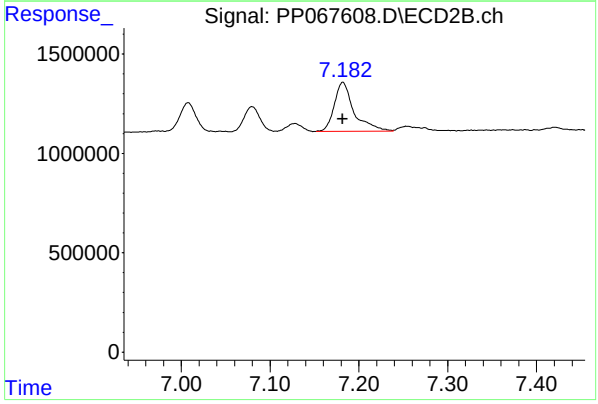

#30 AR-1254-5

R.T.: 8.056 min
Delta R.T.: 0.002 min
Response: 3061843
Conc: 51.26 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1254ICC050

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 3818409
Conc: 51.77 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.051 | 46189834 | 49400193 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.664 | 9.217 | 57664981 | 56385121 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 36) | L8 AR-1262-1 | 8.373 | 7.219 | 35885658 | 39336733 | 500.000 | 500.000 |
| 37) | L8 AR-1262-2 | 8.709 | 7.482 | 60790127 | 35481005 | 500.000 | 500.000 |
| 38) | L8 AR-1262-3 | 9.048 | 8.007 | 44257142 | 28549651 | 500.670m | 500.000 |
| 39) | L8 AR-1262-4 | 9.140 | 8.070 | 34972436 | 50218224 | 500.000 | 500.000 |
| 40) | L8 AR-1262-5 | 9.842 | 8.598 | 23395635 | 25008878 | 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\PP100824\
Data File : PP067609.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 25 Sample Multiplier: 1

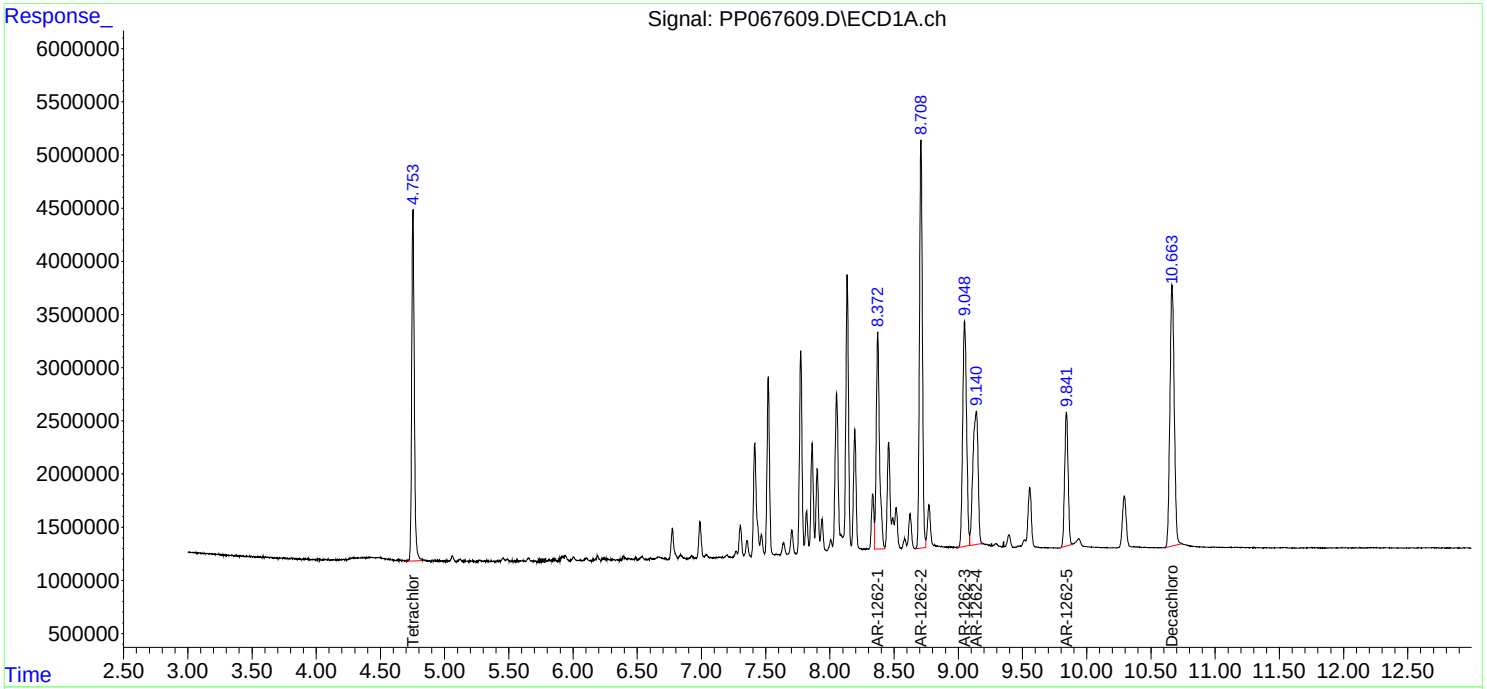
**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

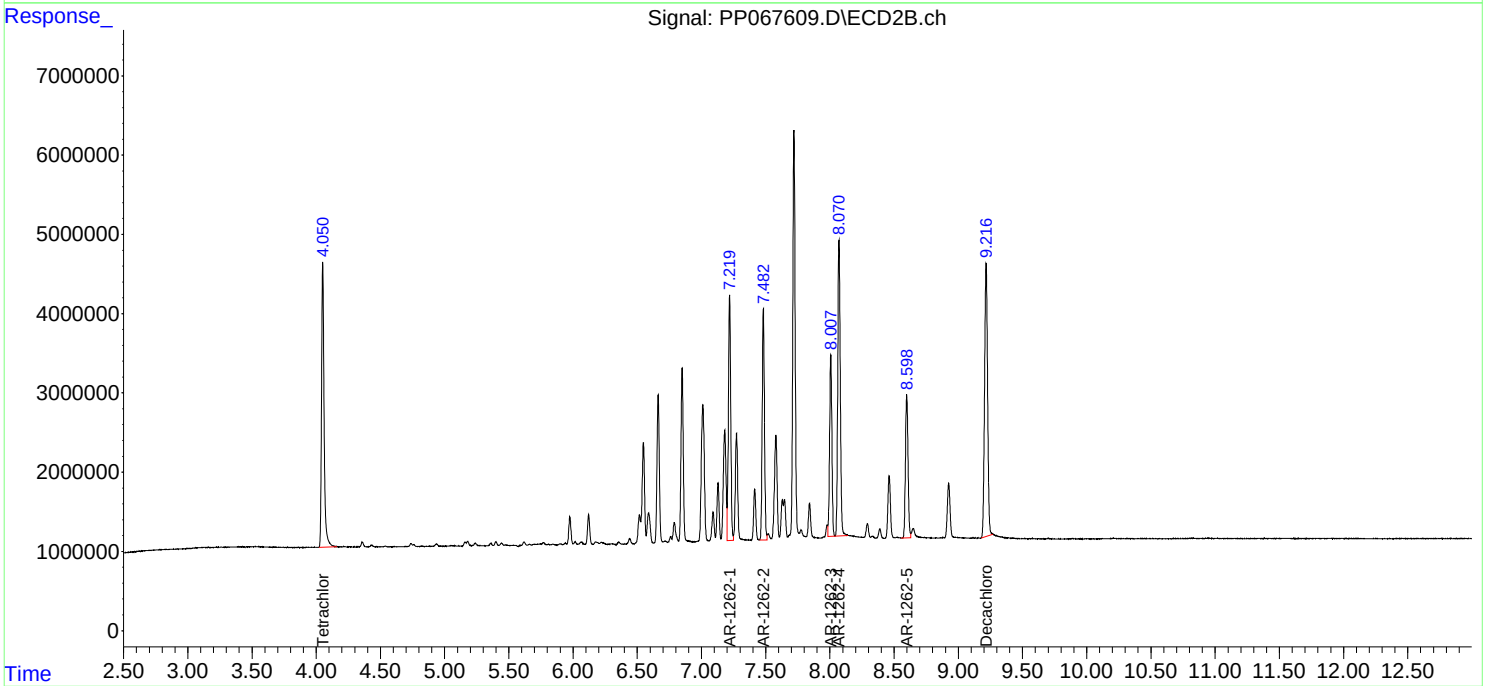
**Manual Integrations APPROVED**

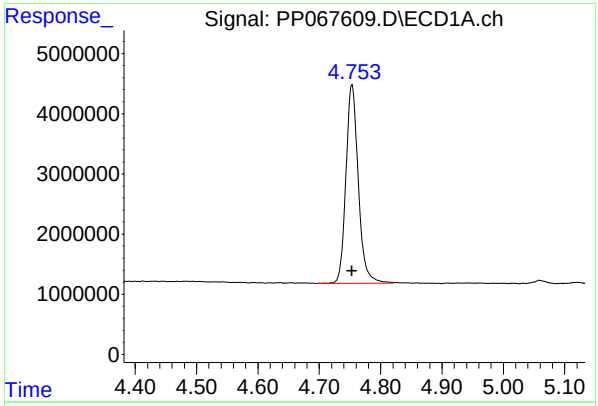
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:02:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:00:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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





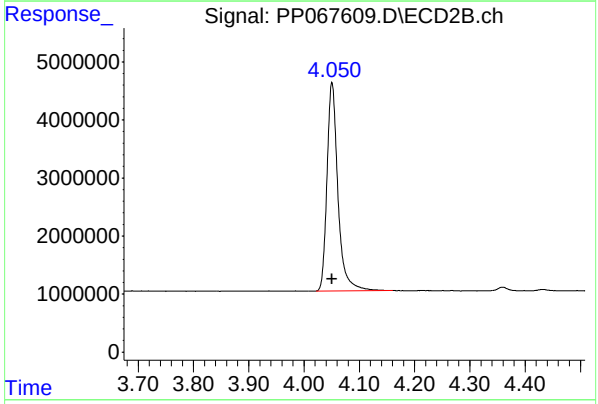

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 mi
Response: 46189834
Conc: 50.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

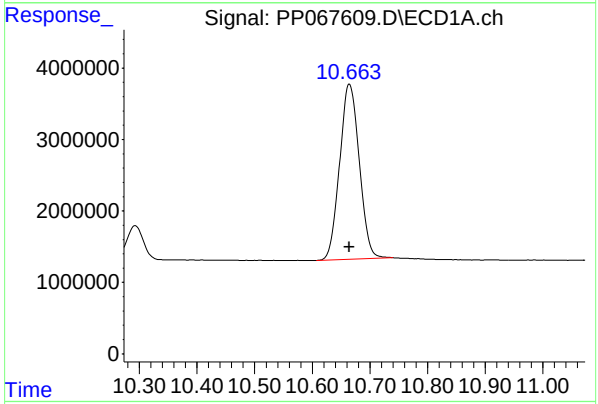
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



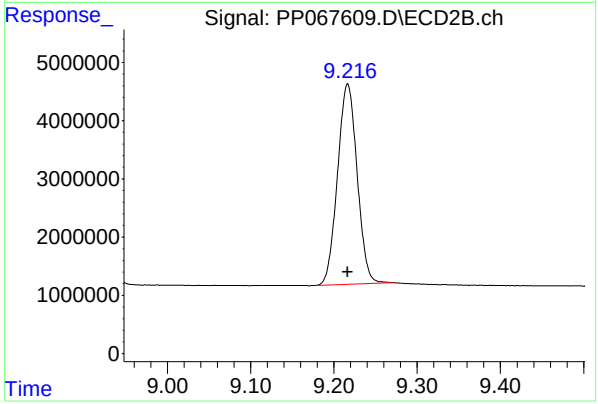

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 49400193
Conc: 50.00 ng/ml



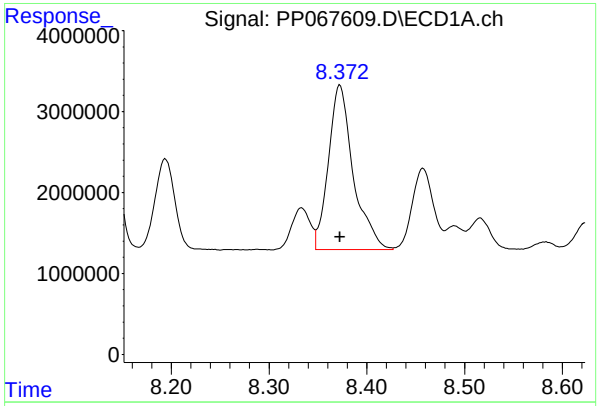

#2 Decachlorobiphenyl

R.T.: 10.664 min
Delta R.T.: 0.000 min
Response: 57664981
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 56385121
Conc: 50.00 ng/ml



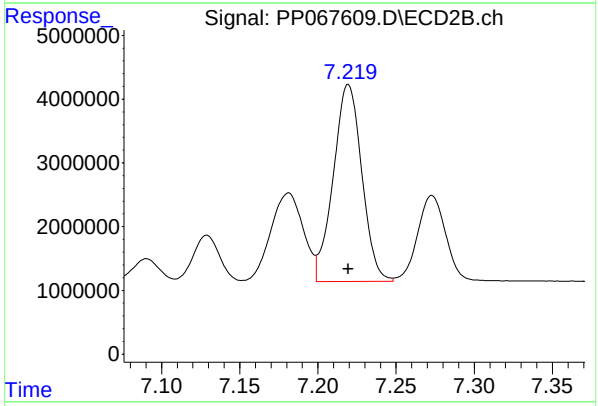

#36 AR-1262-1

R.T.: 8.373 min
Delta R.T.: 0.000 min
Response: 35885658
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

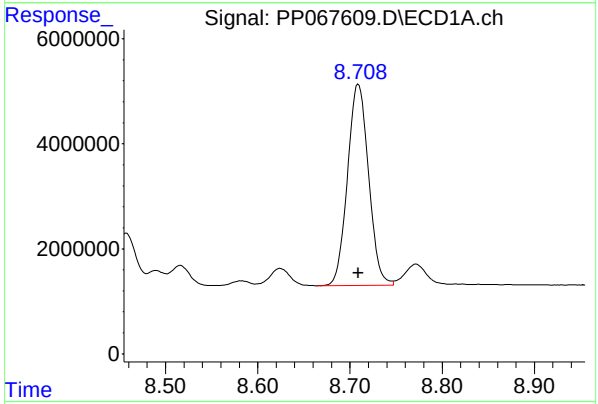
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



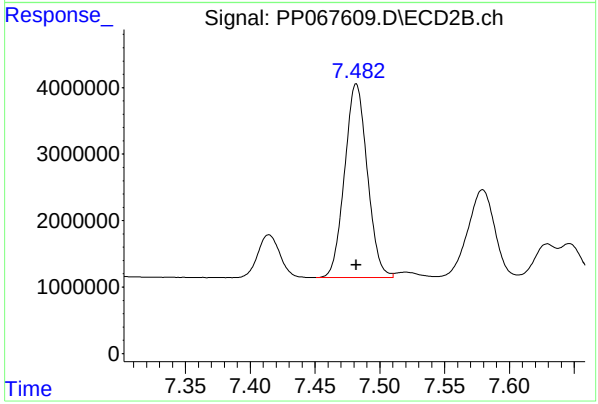

#36 AR-1262-1

R.T.: 7.219 min
Delta R.T.: 0.000 min
Response: 39336733
Conc: 500.00 ng/ml



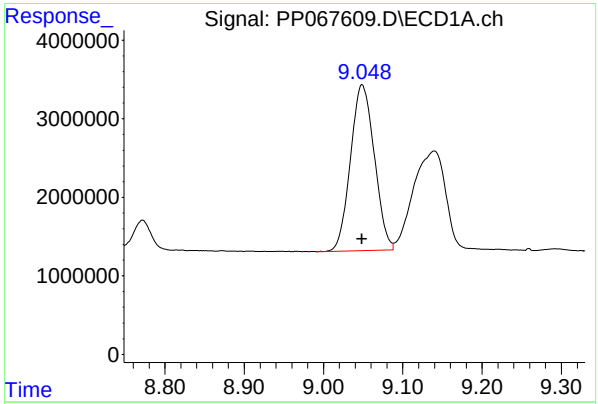

#37 AR-1262-2

R.T.: 8.709 min
Delta R.T.: 0.000 min
Response: 60790127
Conc: 500.00 ng/ml




#37 AR-1262-2

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 35481005
Conc: 500.00 ng/ml



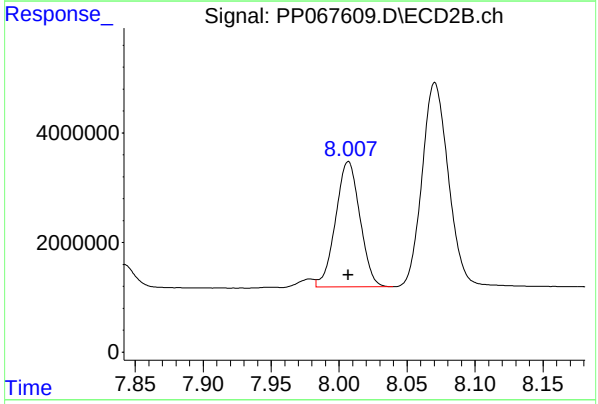

#38 AR-1262-3

R.T.: 9.048 min
Delta R.T.: 0.000 min
Response: 44257142
Conc: 500.67 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

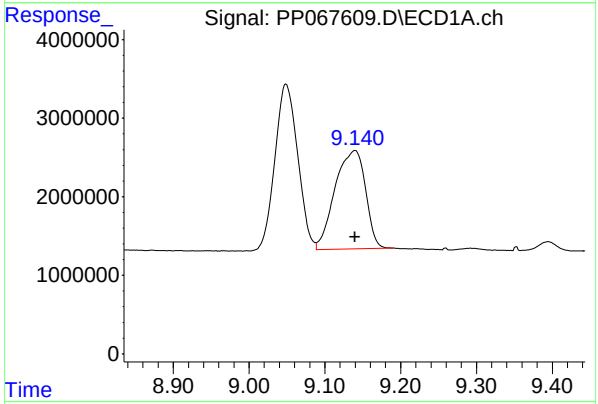
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



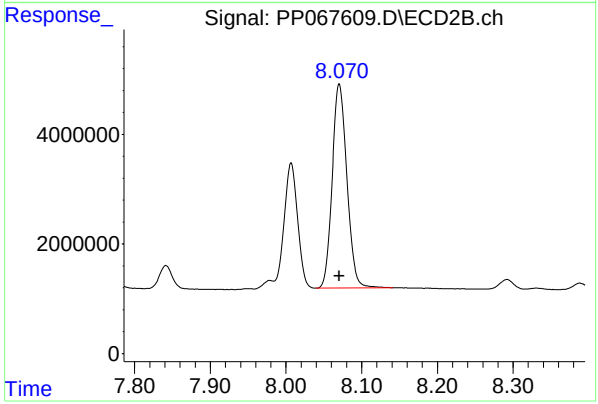

#38 AR-1262-3

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 28549651
Conc: 500.00 ng/ml



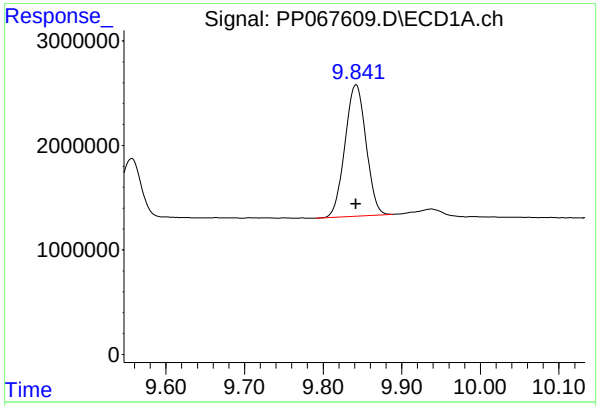

#39 AR-1262-4

R.T.: 9.140 min
Delta R.T.: 0.000 min
Response: 34972436
Conc: 500.00 ng/ml




#39 AR-1262-4

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 50218224
Conc: 500.00 ng/ml



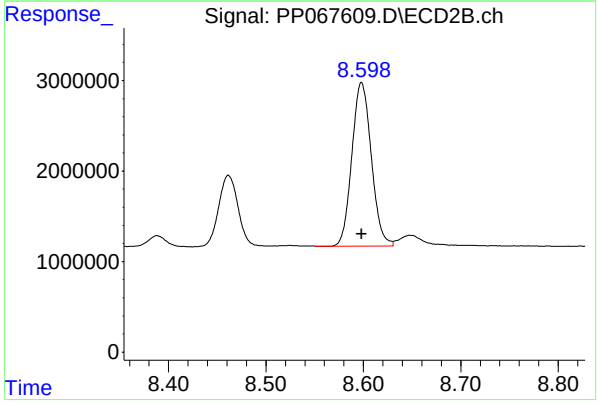

#40 AR-1262-5

R.T.: 9.842 min
Delta R.T.: 0.000 mi
Response: 23395635
Conc: 500.00 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1262ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#40 AR-1262-5

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 25008878
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.755 | 4.051 | 90812575 | 97016985 | 95.024 | 96.337 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 175.8E6 | 175.5E6 | 90.038 | 92.883 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.045 | 8.006 | 139.5E6 | 147.0E6 | 925.475m | 929.738m |
| 42) | L9 AR-1268-2 | 9.145 | 8.072 | 125.7E6 | 133.1E6 | 920.211 | 933.699 |
| 43) | L9 AR-1268-3 | 9.396 | 8.291 | 110.7E6 | 117.4E6 | 925.055 | 927.652 |
| 44) | L9 AR-1268-4 | 9.844 | 8.599 | 48063749 | 51956547 | 911.676 | 948.161 |
| 45) | L9 AR-1268-5 | 10.295 | 8.926 | 348.4E6 | 359.3E6 | 936.060 | 959.229 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067610.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:42
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 26 Sample Multiplier: 1

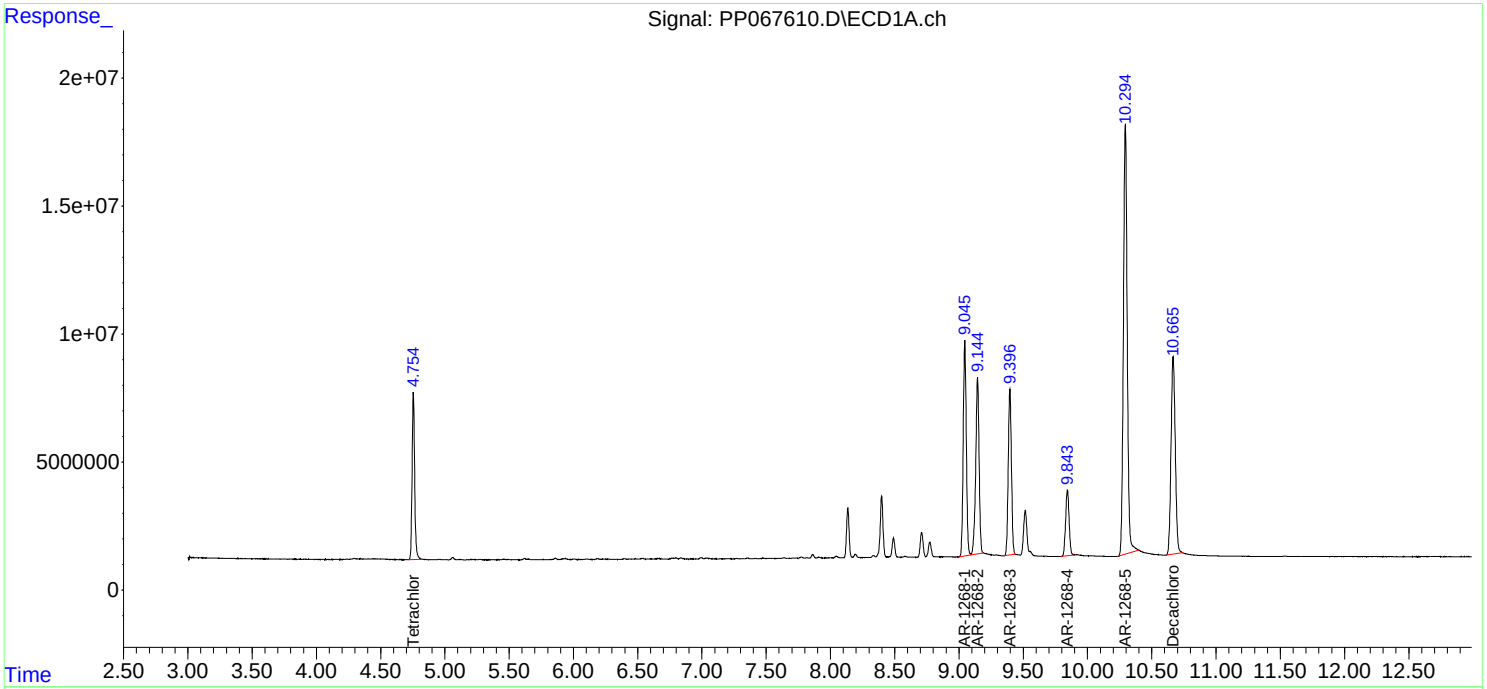
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

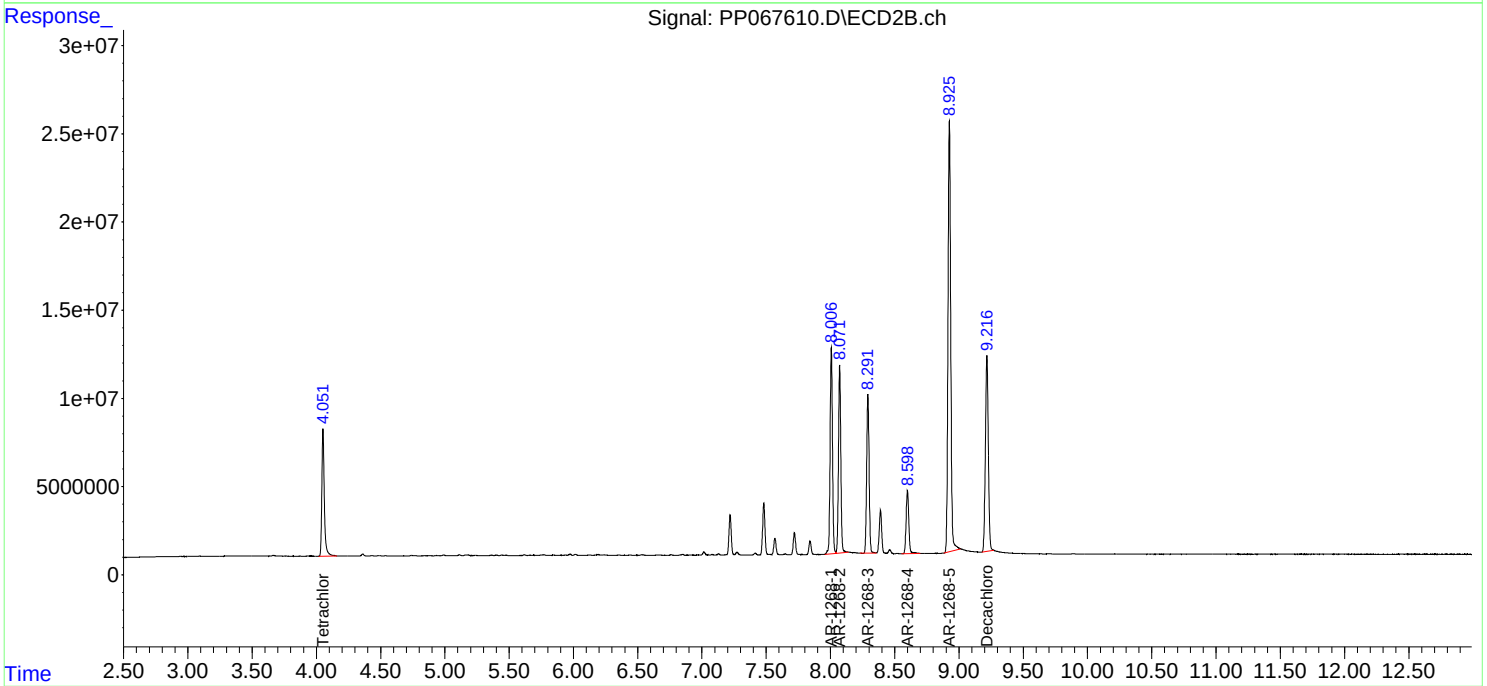
**Manual Integrations APPROVED**

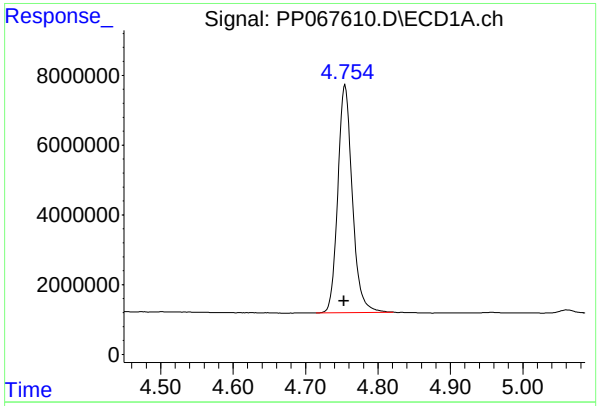
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:57:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





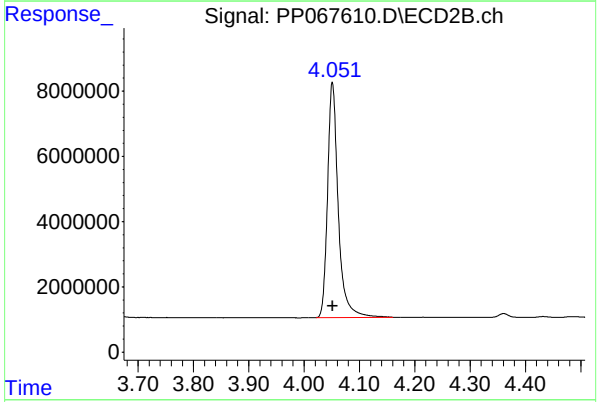

#1 Tetrachloro-m-xylene

R.T.: 4.755 min
Delta R.T.: 0.002 min
Response: 90812575
Conc: 95.02 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

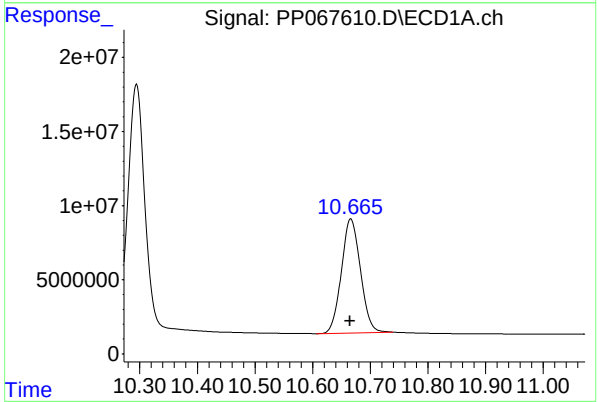
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



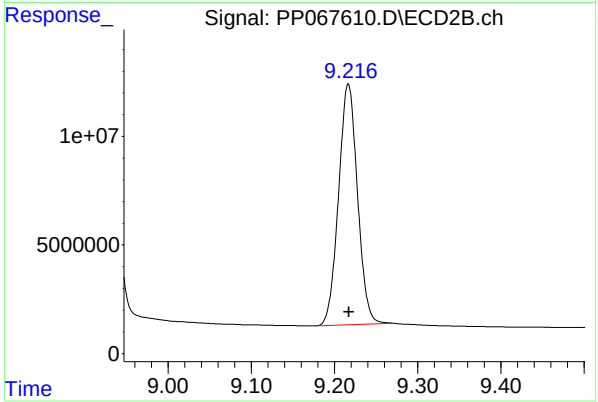

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 97016985
Conc: 96.34 ng/ml



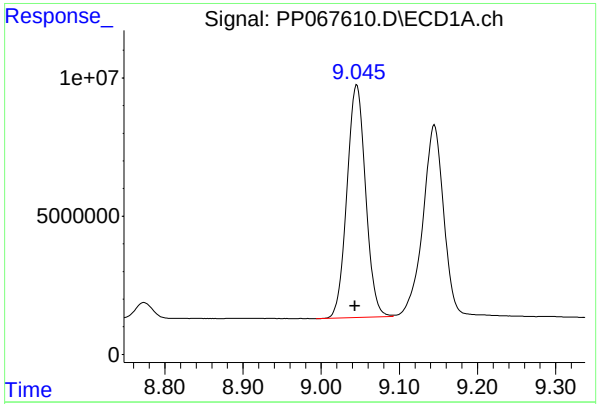

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.001 min
Response: 175837642
Conc: 90.04 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 175518672
Conc: 92.88 ng/ml



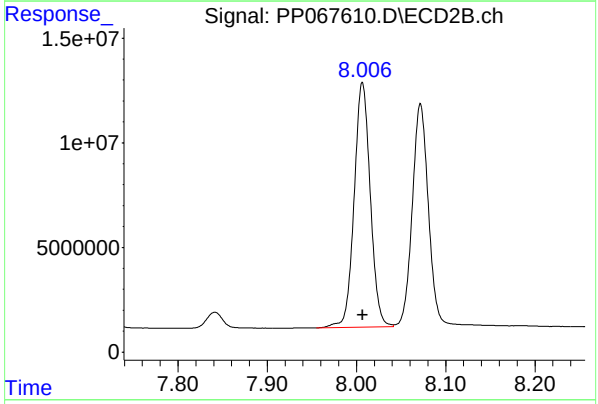

#41 AR-1268-1

R.T.: 9.045 min
Delta R.T.: 0.002 mi
Response: 139515419
Conc: 925.48 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

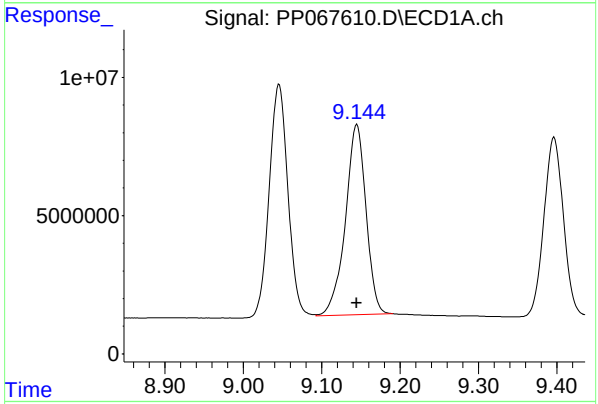
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



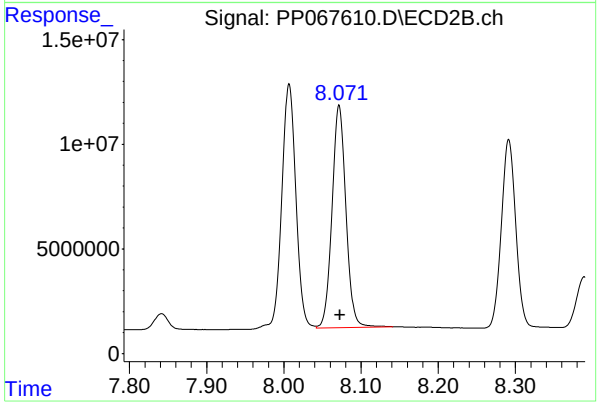

#41 AR-1268-1

R.T.: 8.006 min
Delta R.T.: -0.001 min
Response: 146986557
Conc: 929.74 ng/ml m



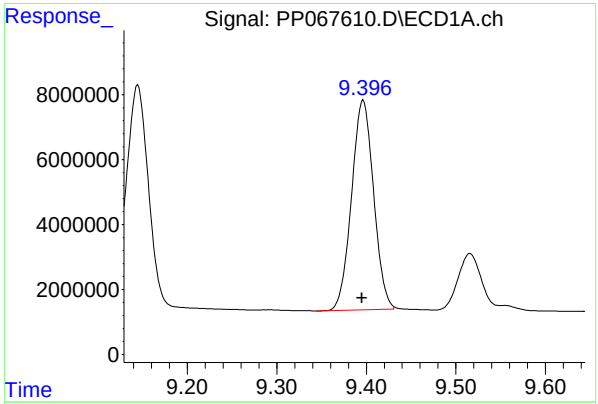

#42 AR-1268-2

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 125679796
Conc: 920.21 ng/ml




#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: -0.001 min
Response: 133073925
Conc: 933.70 ng/ml



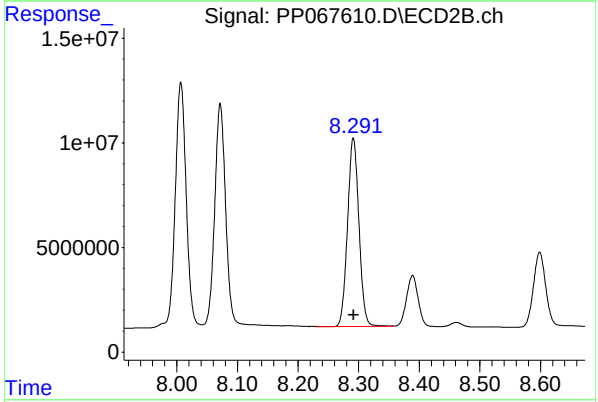

#43 AR-1268-3

R.T.: 9.396 min
Delta R.T.: 0.002 min
Response: 110668977
Conc: 925.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

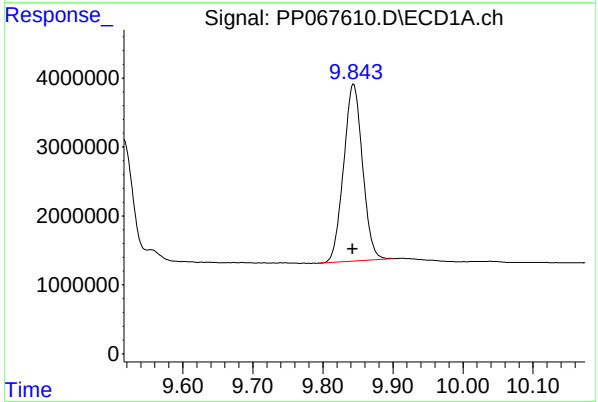
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



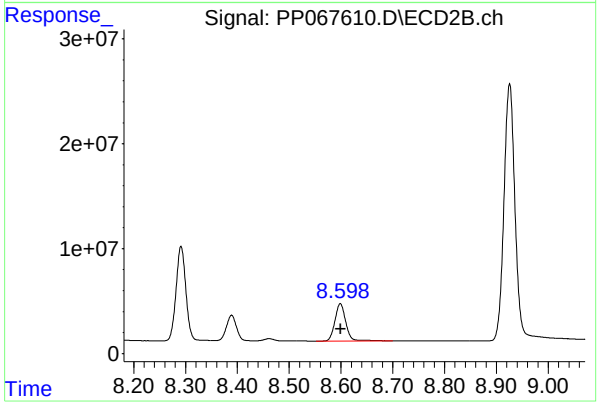

#43 AR-1268-3

R.T.: 8.291 min
Delta R.T.: 0.000 min
Response: 117364027
Conc: 927.65 ng/ml



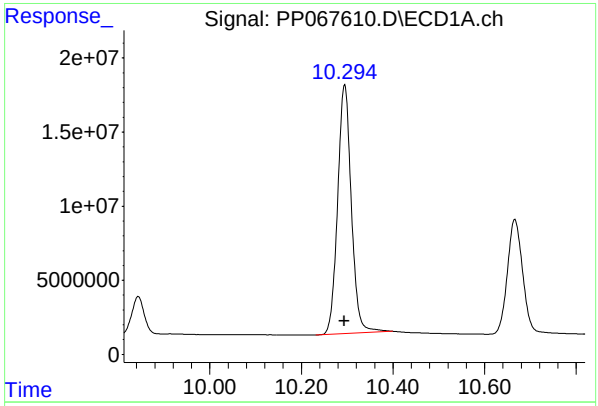

#44 AR-1268-4

R.T.: 9.844 min
Delta R.T.: 0.001 min
Response: 48063749
Conc: 911.68 ng/ml




#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 51956547
Conc: 948.16 ng/ml



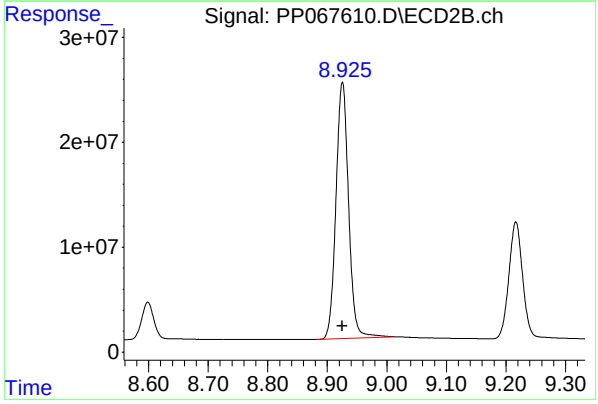

#45 AR-1268-5

R.T.: 10.295 min
Delta R.T.: 0.000 min
Response: 348373365
Conc: 936.06 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC1000

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.000 min
Response: 359344903
Conc: 959.23 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 69222191 | 74341167 | 72.432 | 73.820 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 137.1E6 | 135.2E6 | 70.184 | 71.539 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.044 | 8.008 | 108.4E6 | 113.9E6 | 718.757m | 720.350m |
| 42) | L9 AR-1268-2 | 9.144 | 8.073 | 97566346 | 102.9E6 | 714.368 | 722.244 |
| 43) | L9 AR-1268-3 | 9.394 | 8.293 | 87555808 | 91128240 | 731.858 | 720.283 |
| 44) | L9 AR-1268-4 | 9.841 | 8.600 | 37417513 | 40464284 | 709.738 | 738.438 |
| 45) | L9 AR-1268-5 | 10.294 | 8.927 | 267.5E6 | 273.3E6 | 718.811 | 729.610 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067611.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 22:58
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 27 Sample Multiplier: 1

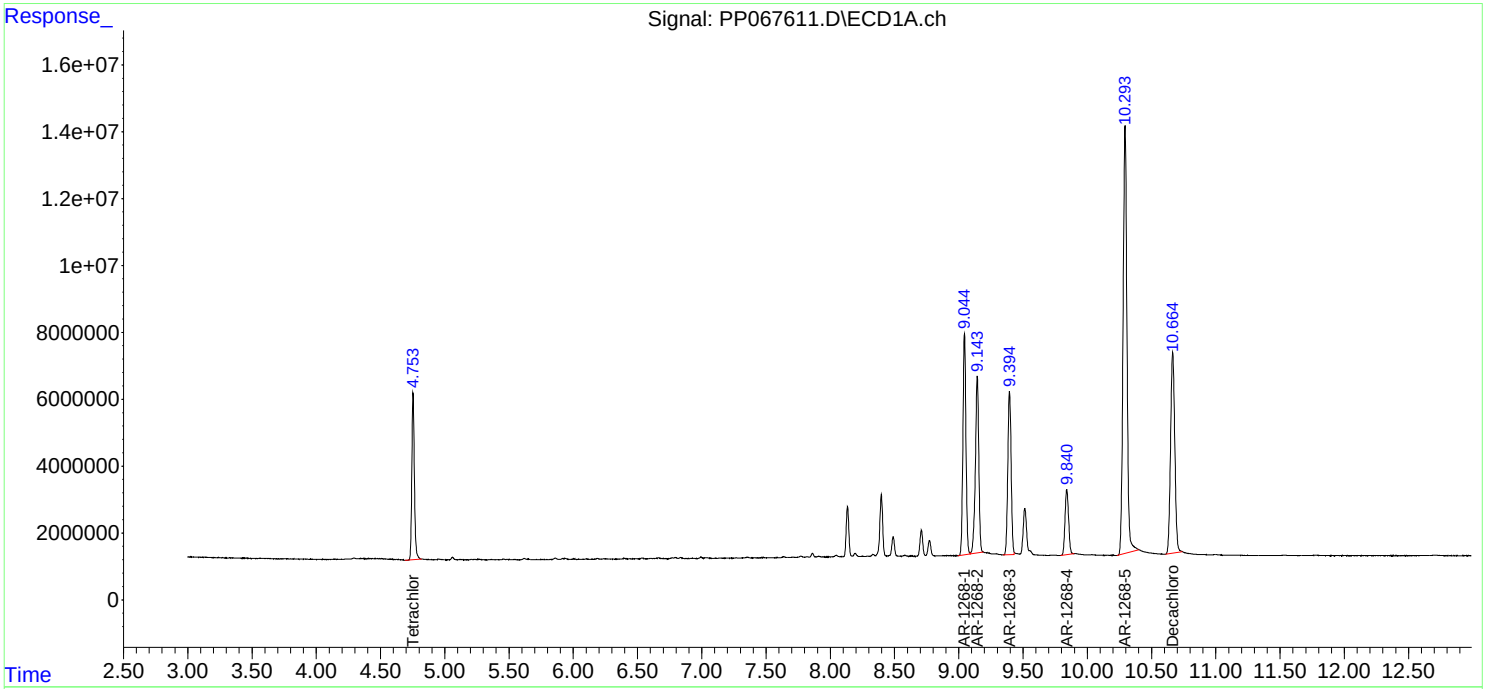
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

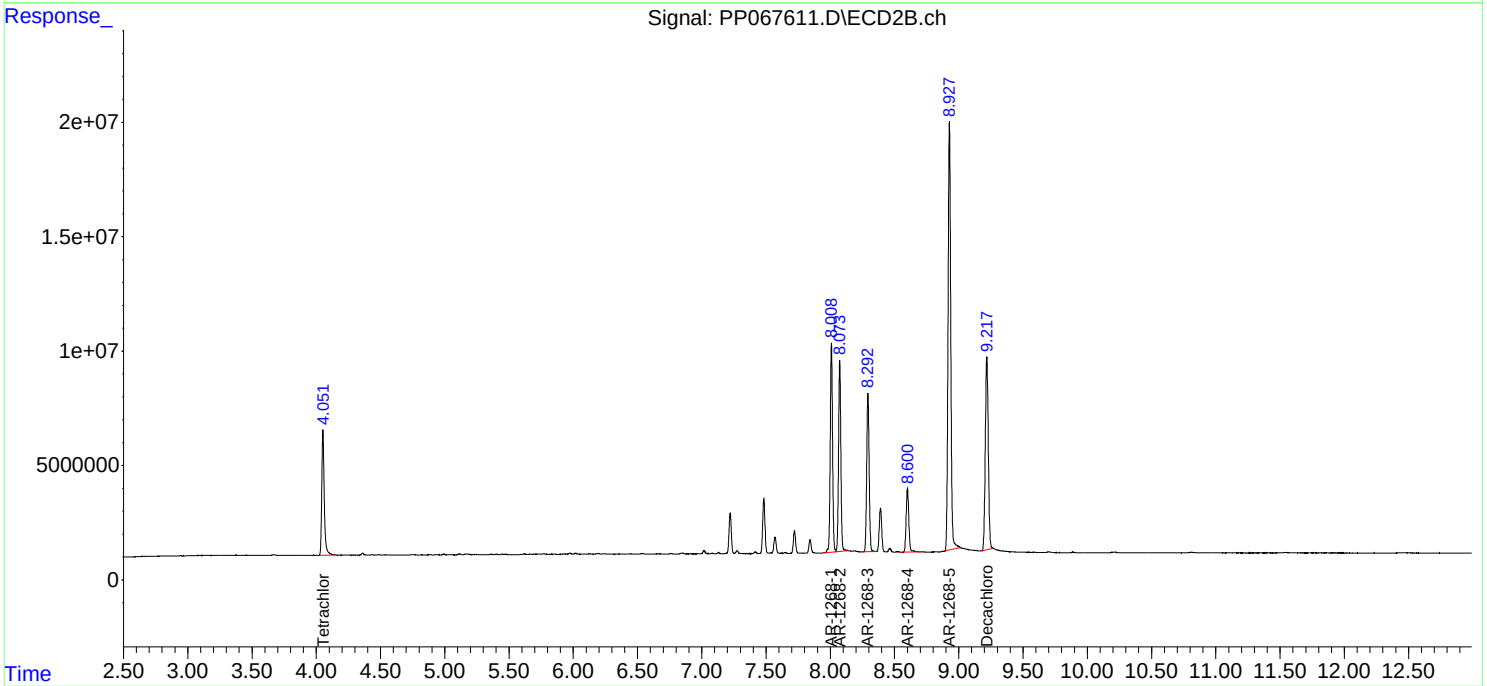
**Manual Integrations APPROVED**

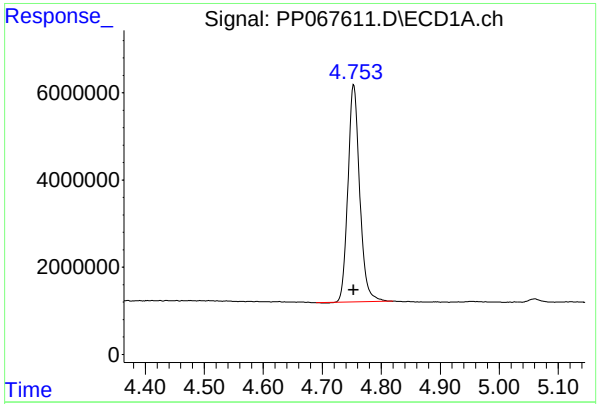
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





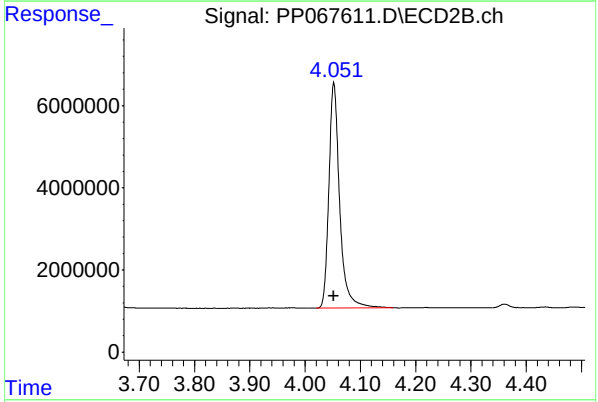

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 69222191
Conc: 72.43 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

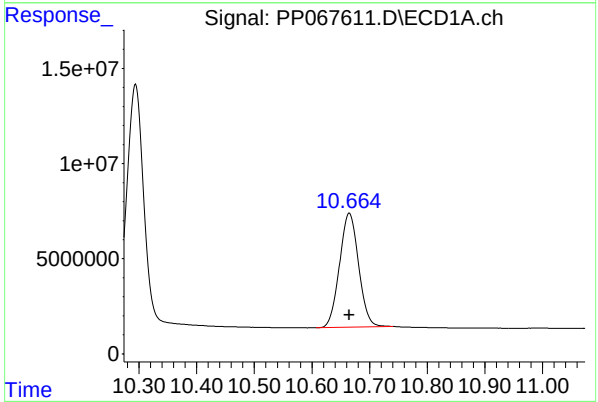
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



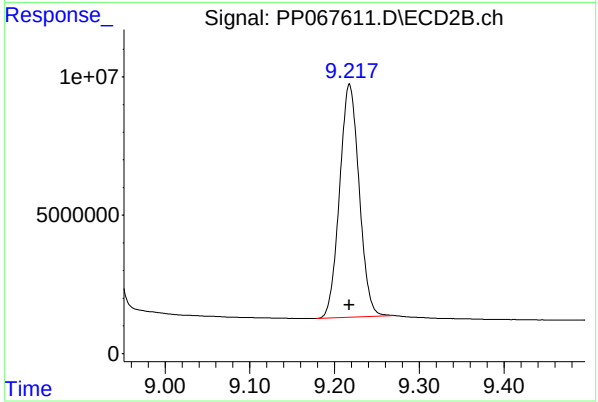

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 74341167
Conc: 73.82 ng/ml



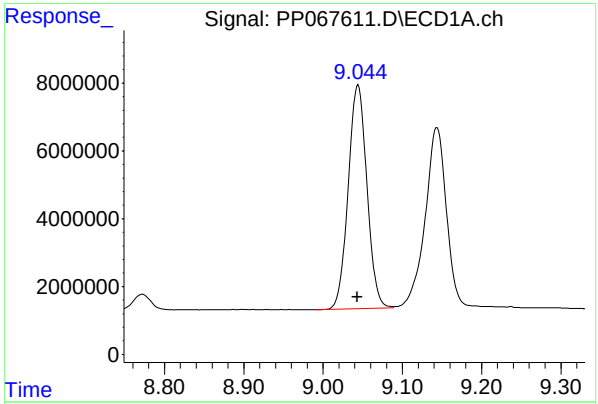

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 137064016
Conc: 70.18 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 135185090
Conc: 71.54 ng/ml



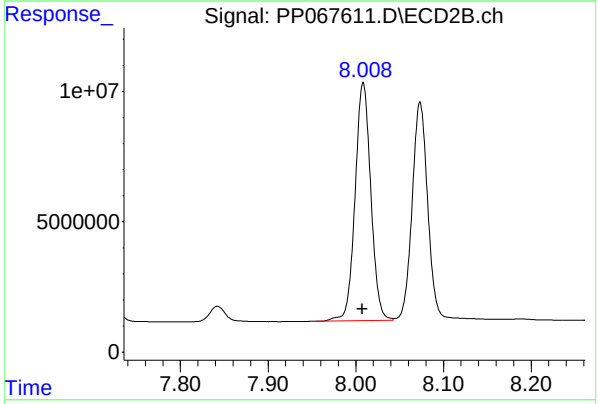

#41 AR-1268-1

R.T.: 9.044 min
Delta R.T.: 0.000 min
Response: 108352712
Conc: 718.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

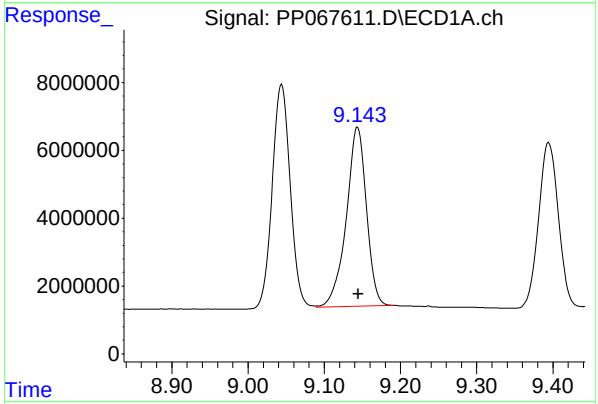
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



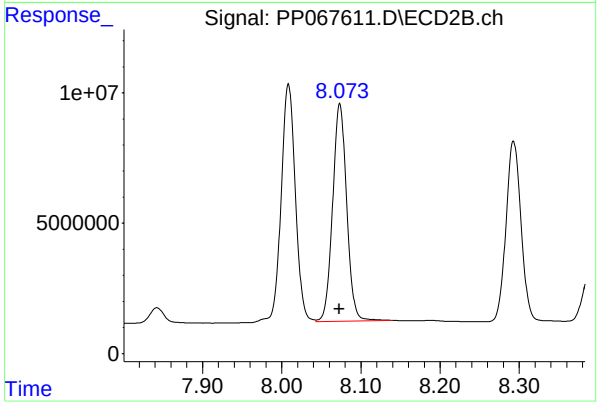

#41 AR-1268-1

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 113883447
Conc: 720.35 ng/ml m



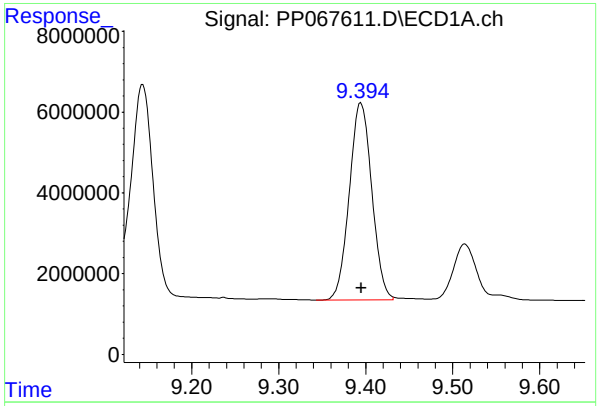

#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 97566346
Conc: 714.37 ng/ml




#42 AR-1268-2

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 102936622
Conc: 722.24 ng/ml



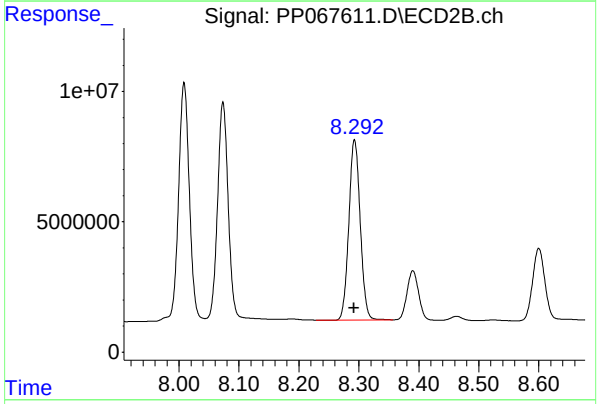

#43 AR-1268-3

R.T.: 9.394 min
Delta R.T.: 0.000 min
Response: 87555808
Conc: 731.86 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

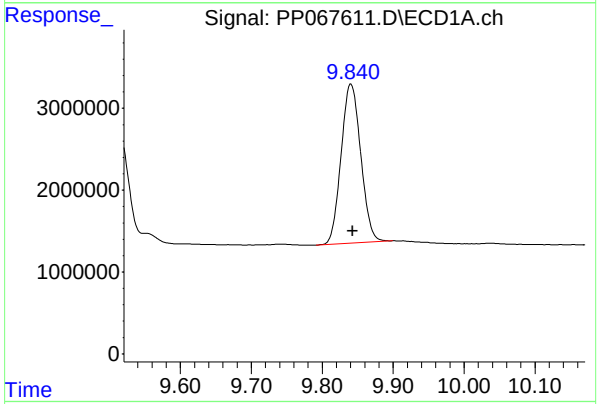
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



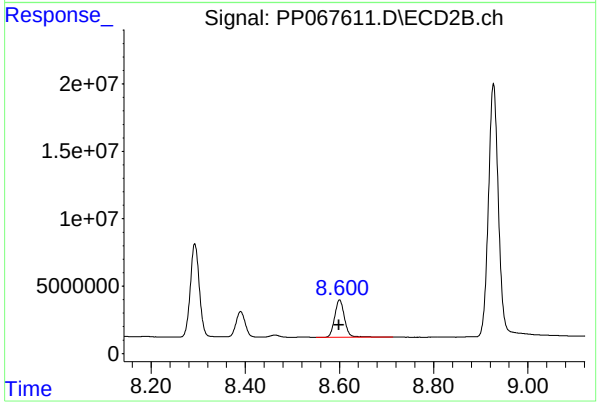

#43 AR-1268-3

R.T.: 8.293 min
Delta R.T.: 0.001 min
Response: 91128240
Conc: 720.28 ng/ml



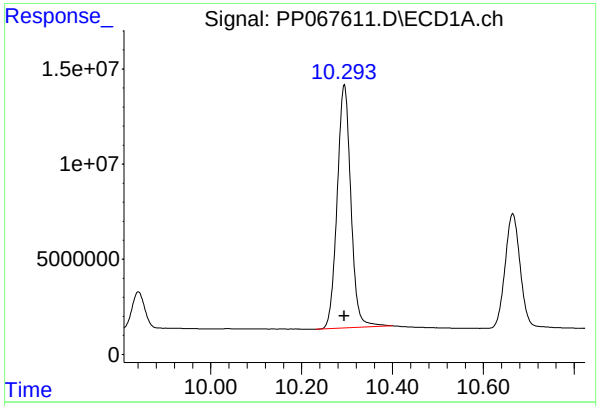

#44 AR-1268-4

R.T.: 9.841 min
Delta R.T.: -0.002 min
Response: 37417513
Conc: 709.74 ng/ml




#44 AR-1268-4

R.T.: 8.600 min
Delta R.T.: 0.000 min
Response: 40464284
Conc: 738.44 ng/ml



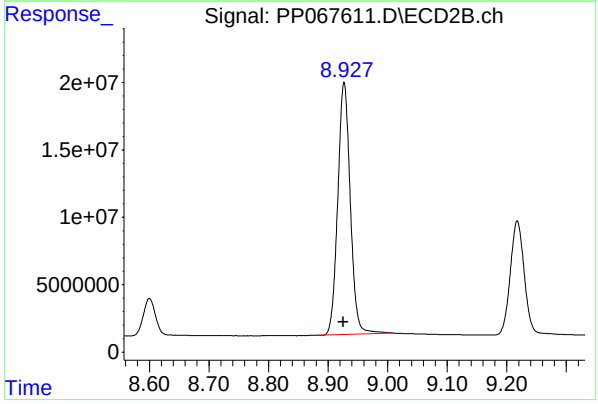

#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 mi
Response: 267519820
Conc: 718.81 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC750

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.927 min
Delta R.T.: 0.002 min
Response: 273325647
Conc: 729.61 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 47784228 | 50352989 | 50.000 | 50.000 |
| 2) | SA Decachlor... | 10.665 | 9.217 | 97646544 | 94483308 | 50.000 | 50.000 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.043 | 8.007 | 75498831 | 79009584 | 500.821m | 499.762m |
| 42) | L9 AR-1268-2 | 9.144 | 8.073 | 68288565 | 71261711 | 500.000 | 500.000 |
| 43) | L9 AR-1268-3 | 9.395 | 8.292 | 59817506 | 63258627 | 500.000 | 500.000 |
| 44) | L9 AR-1268-4 | 9.843 | 8.599 | 26360092 | 27398577 | 500.000 | 500.000 |
| 45) | L9 AR-1268-5 | 10.294 | 8.925 | 186.1E6 | 187.3E6 | 500.000 | 500.000 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:14
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 28 Sample Multiplier: 1

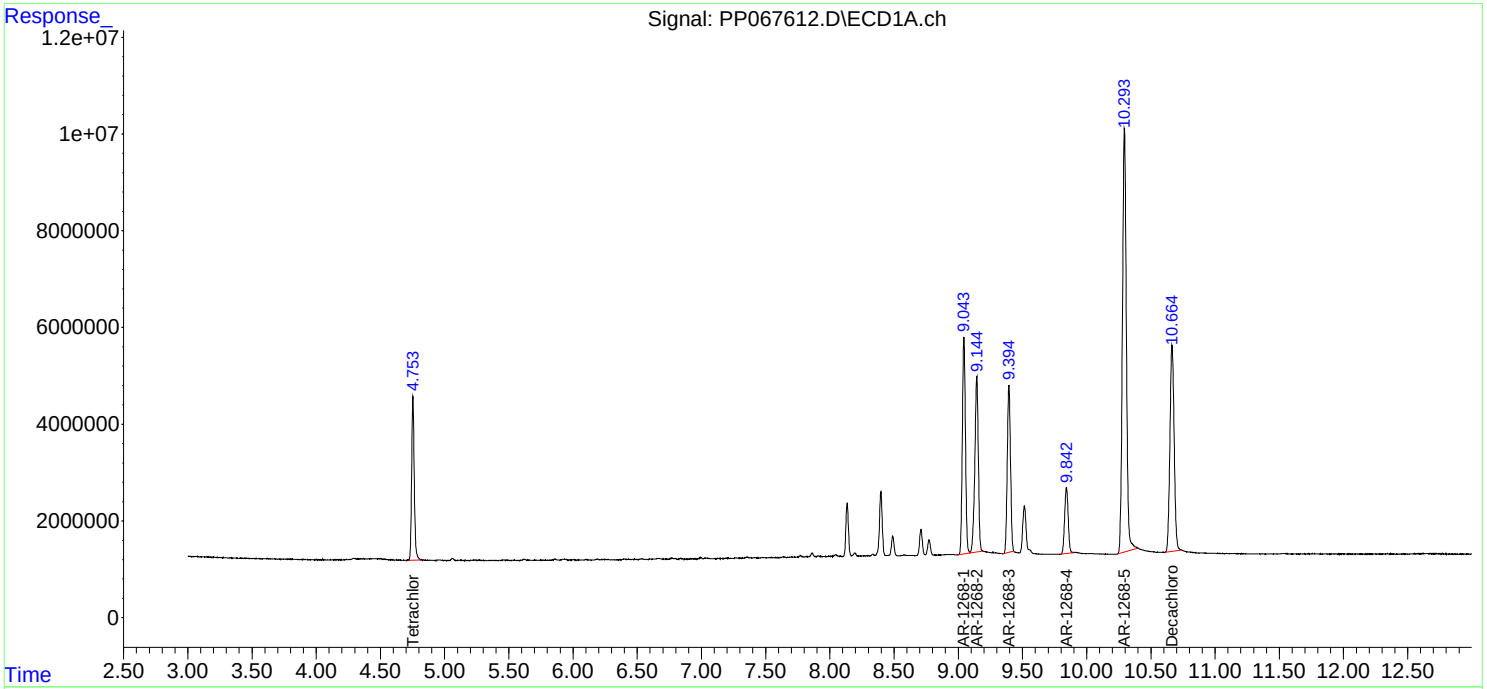
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

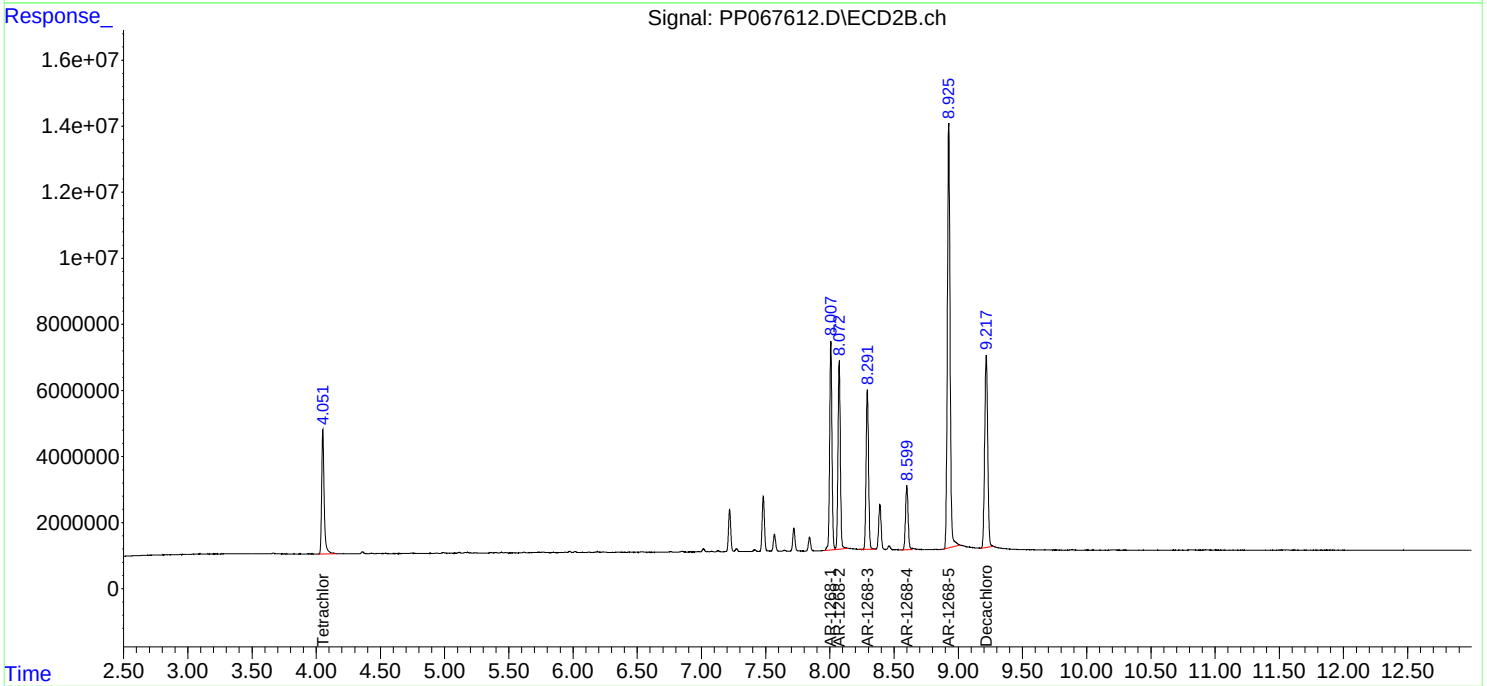
**Manual Integrations APPROVED**

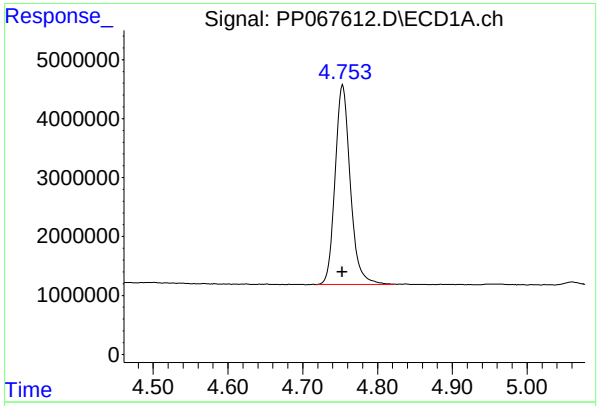
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:47:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





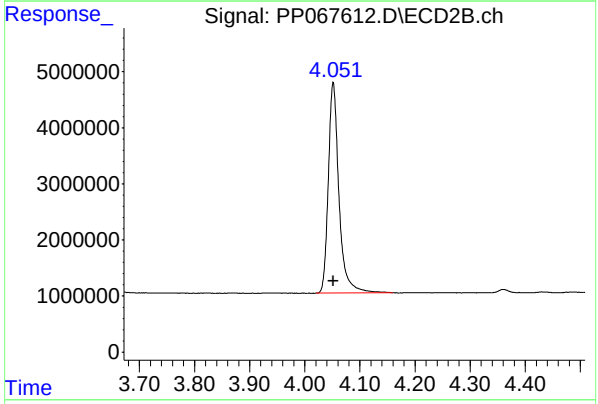

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 47784228
Conc: 50.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

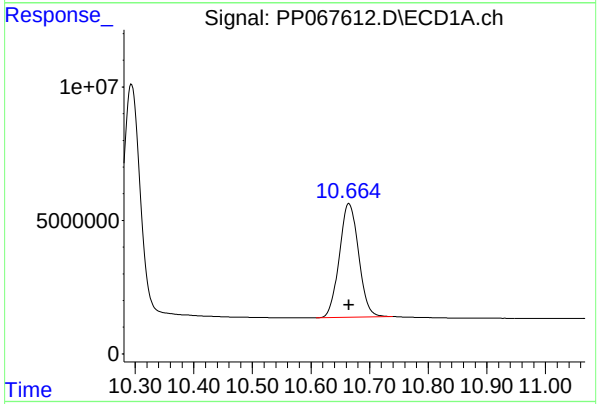
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



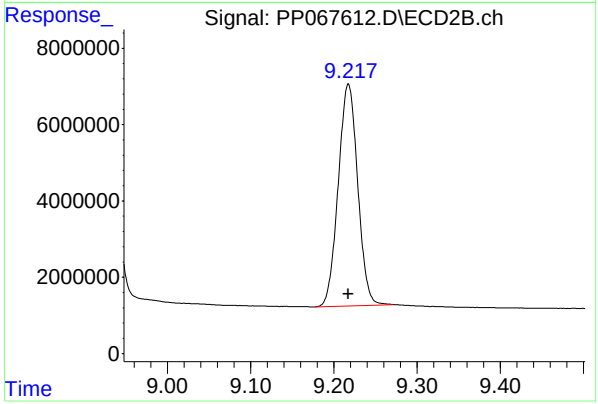

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 50352989
Conc: 50.00 ng/ml



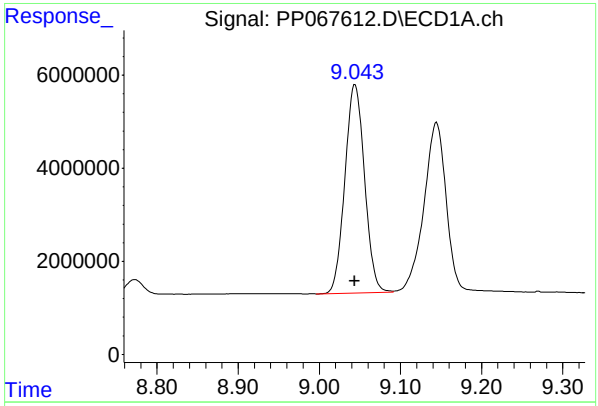

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 97646544
Conc: 50.00 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 94483308
Conc: 50.00 ng/ml



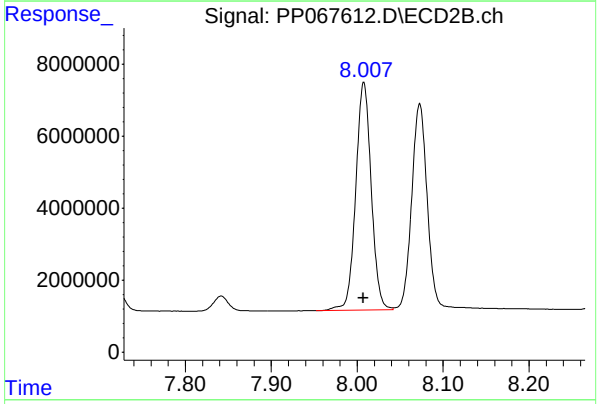

#41 AR-1268-1

R.T.: 9.043 min
Delta R.T.: 0.000 mi
Response: 75498831
Conc: 500.82 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

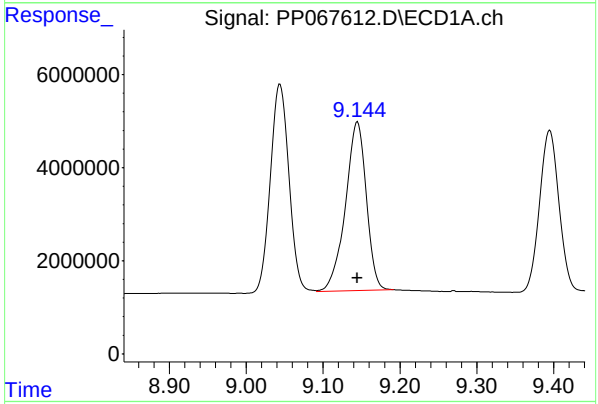
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



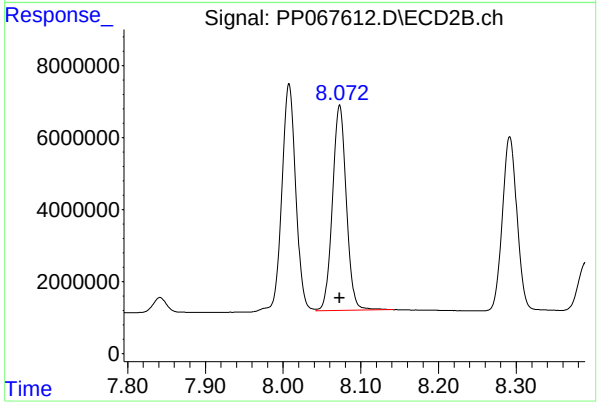

#41 AR-1268-1

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 79009584
Conc: 499.76 ng/ml m



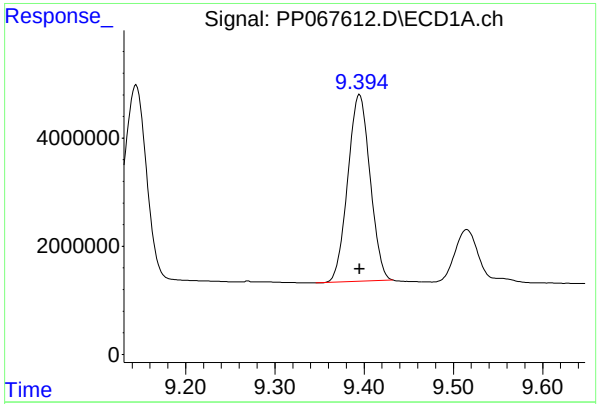

#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 68288565
Conc: 500.00 ng/ml




#42 AR-1268-2

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 71261711
Conc: 500.00 ng/ml



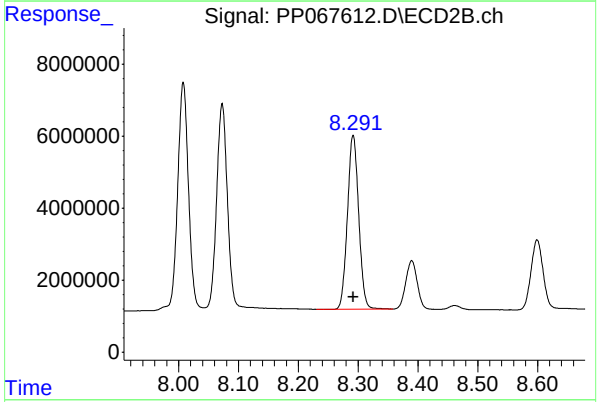

#43 AR-1268-3

R.T.: 9.395 min
Delta R.T.: 0.000 min
Response: 59817506
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

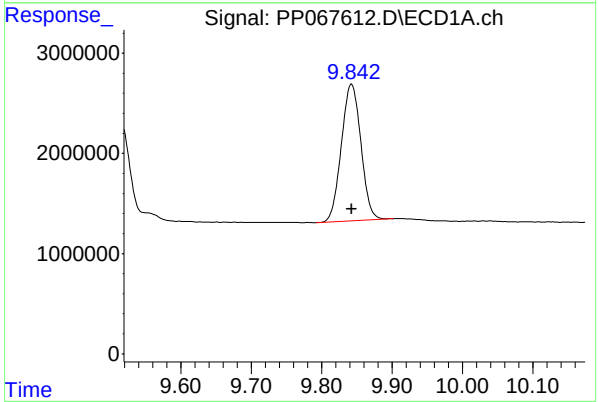
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



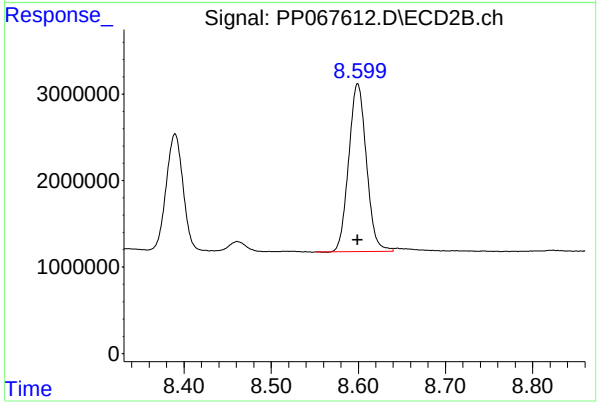

#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 63258627
Conc: 500.00 ng/ml



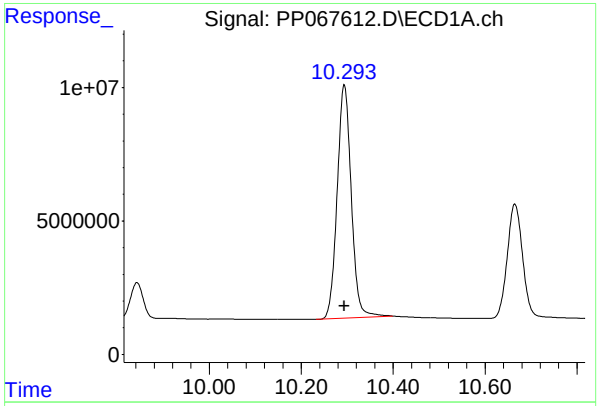

#44 AR-1268-4

R.T.: 9.843 min
Delta R.T.: 0.000 min
Response: 26360092
Conc: 500.00 ng/ml




#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 27398577
Conc: 500.00 ng/ml



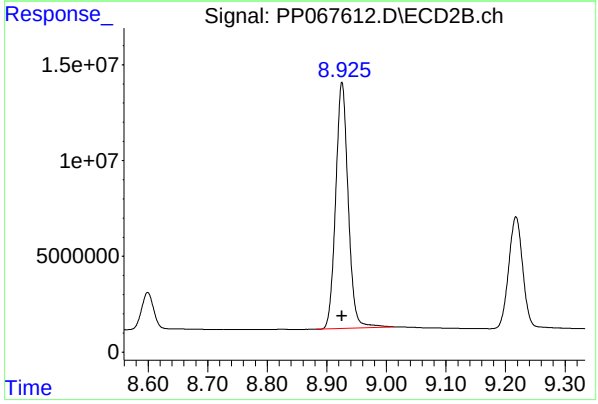

#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 186084859
Conc: 500.00 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.925 min
Delta R.T.: 0.000 min
Response: 187309316
Conc: 500.00 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.050 | 24666919 | 26616902 | 25.811 | 26.430 |
| 2) | SA Decachlor... | 10.666 | 9.216 | 52348103 | 51189487 | 26.805 | 27.089 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.042 | 8.006 | 40679699 | 42019978 | 269.849m | 265.790m |
| 42) | L9 AR-1268-2 | 9.144 | 8.071 | 36435946 | 37805506 | 266.779 | 265.258 |
| 43) | L9 AR-1268-3 | 9.394 | 8.290 | 32633567 | 33939255 | 272.776 | 268.258 |
| 44) | L9 AR-1268-4 | 9.841 | 8.598 | 13910268 | 15250650 | 263.851 | 278.311 |
| 45) | L9 AR-1268-5 | 10.293 | 8.924 | 97405753 | 97904672 | 261.724 | 261.345 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:30
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 29 Sample Multiplier: 1

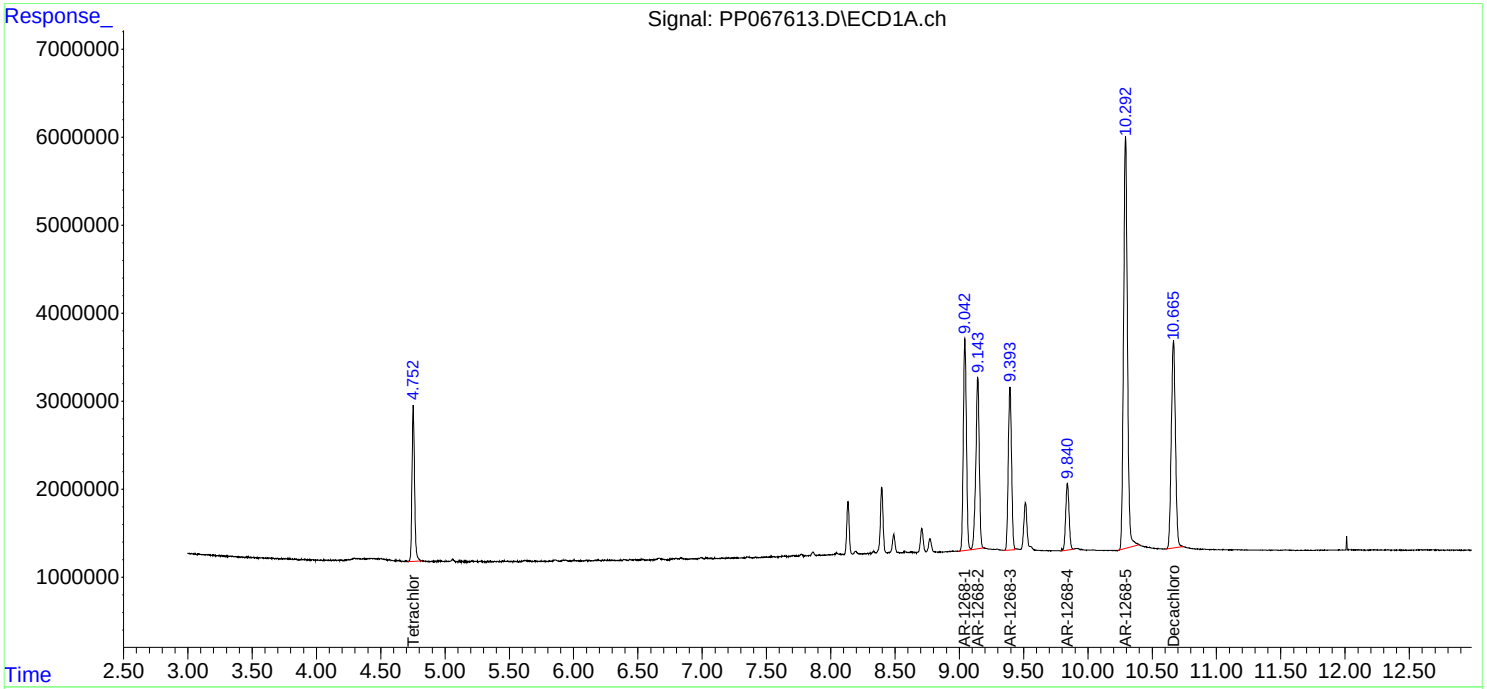
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

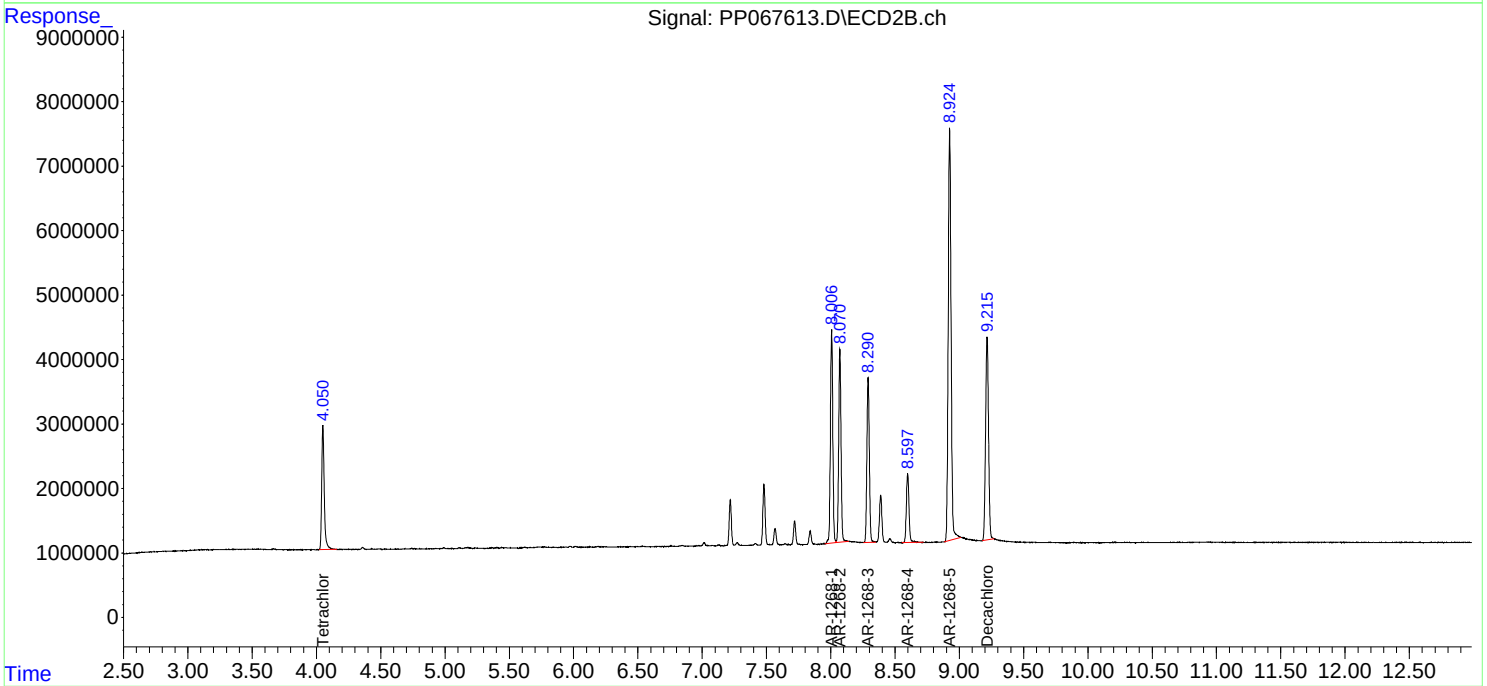
**Manual Integrations APPROVED**

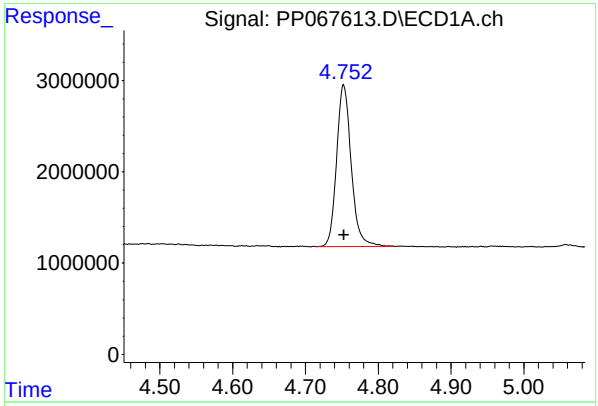
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





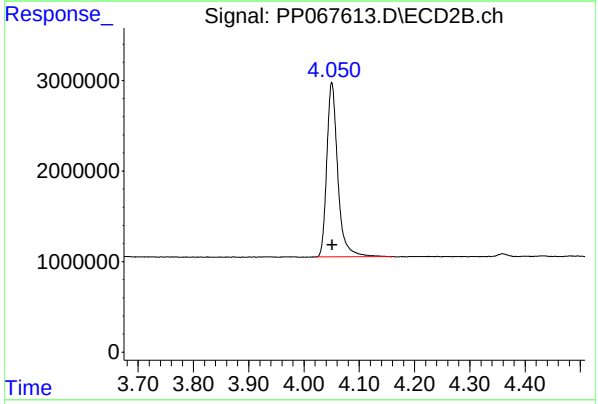

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 24666919
Conc: 25.81 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

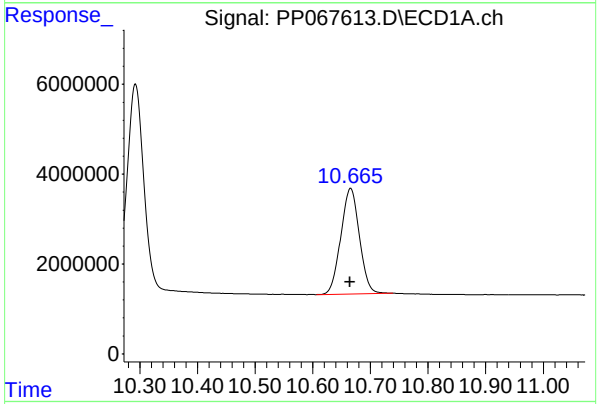
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



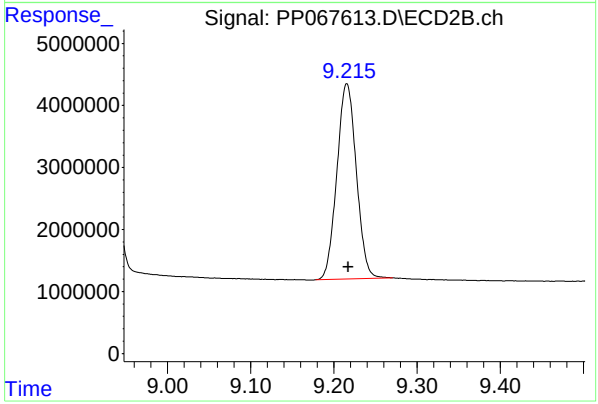

#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.001 min
Response: 26616902
Conc: 26.43 ng/ml



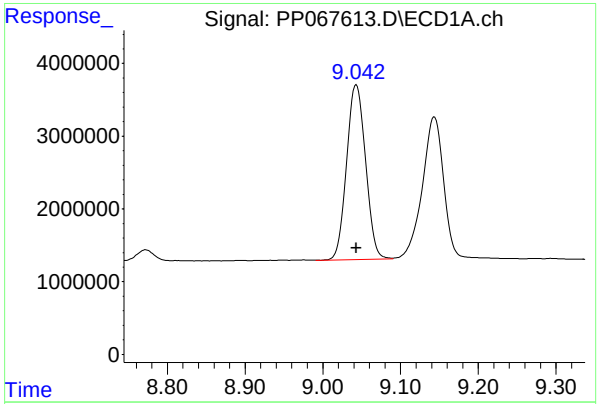

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 52348103
Conc: 26.80 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.002 min
Response: 51189487
Conc: 27.09 ng/ml



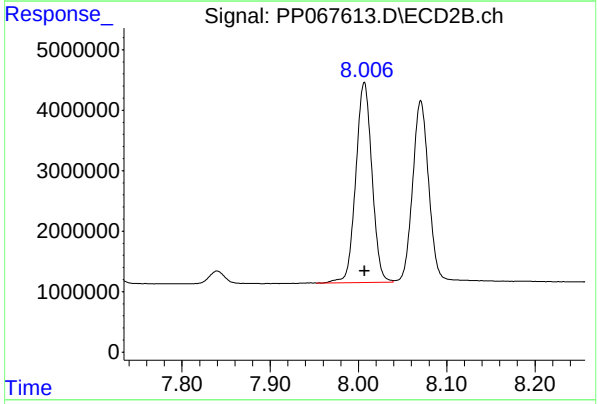

#41 AR-1268-1

R.T.: 9.042 min
Delta R.T.: 0.000 mi
Response: 40679699
Conc: 269.85 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

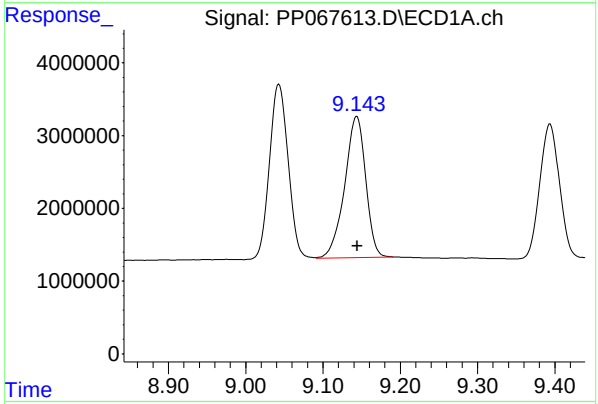
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



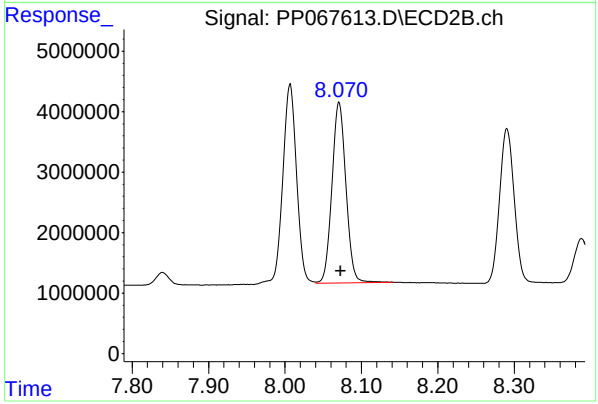

#41 AR-1268-1

R.T.: 8.006 min
Delta R.T.: 0.000 min
Response: 42019978
Conc: 265.79 ng/ml m



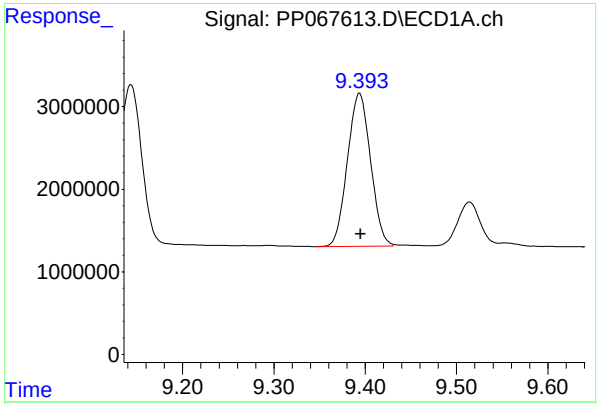

#42 AR-1268-2

R.T.: 9.144 min
Delta R.T.: 0.000 min
Response: 36435946
Conc: 266.78 ng/ml




#42 AR-1268-2

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 37805506
Conc: 265.26 ng/ml



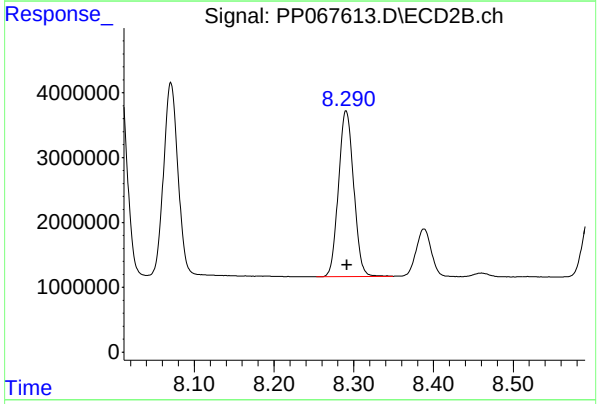

#43 AR-1268-3

R.T.: 9.394 min
Delta R.T.: 0.000 min
Response: 32633567
Conc: 272.78 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

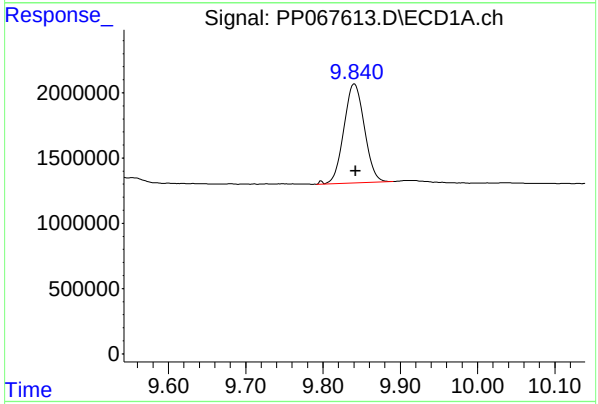
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



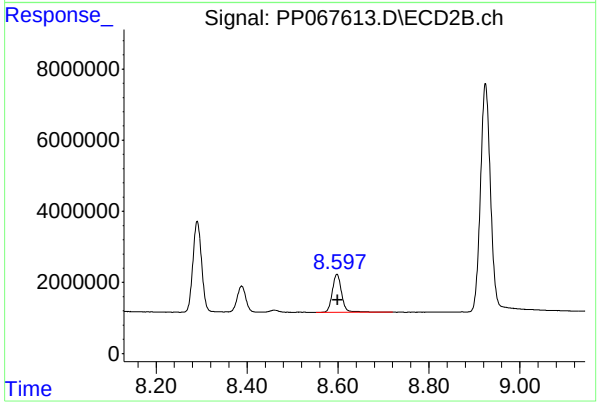

#43 AR-1268-3

R.T.: 8.290 min
Delta R.T.: -0.001 min
Response: 33939255
Conc: 268.26 ng/ml



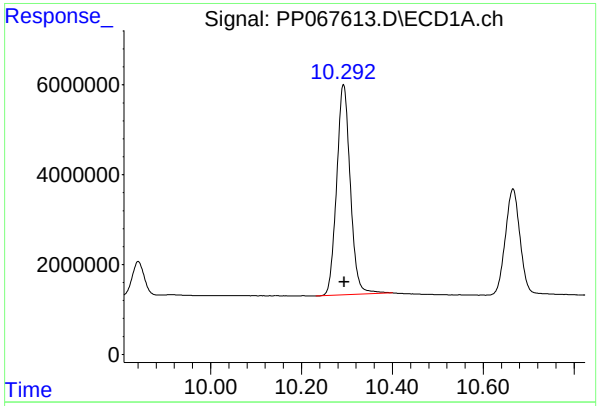

#44 AR-1268-4

R.T.: 9.841 min
Delta R.T.: -0.002 min
Response: 13910268
Conc: 263.85 ng/ml




#44 AR-1268-4

R.T.: 8.598 min
Delta R.T.: -0.002 min
Response: 15250650
Conc: 278.31 ng/ml



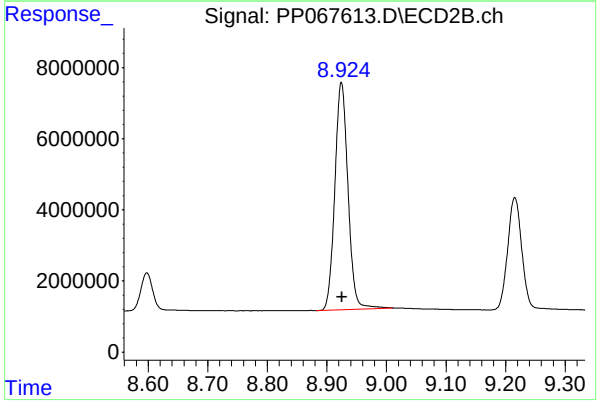

#45 AR-1268-5

R.T.: 10.293 min
Delta R.T.: -0.001 min
Response: 97405753
Conc: 261.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC250

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.924 min
Delta R.T.: -0.001 min
Response: 97904672
Conc: 261.34 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 4444051 | 4895264 | 4.650 | 4.861 |
| 2) | SA Decachlor... | 10.666 | 9.216 | 10815395 | 10765076 | 5.538 | 5.697 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.043 | 8.008 | 8277031 | 8538939 | 54.906m | 54.012m |
| 42) | L9 AR-1268-2 | 9.143 | 8.072 | 7244406 | 7593126 | 53.043 | 53.276 |
| 43) | L9 AR-1268-3 | 9.395 | 8.292 | 6350522 | 6820279 | 53.082 | 53.908 |
| 44) | L9 AR-1268-4 | 9.842 | 8.599 | 2389235 | 3033576 | 45.319 | 55.360 |
| 45) | L9 AR-1268-5 | 10.293 | 8.926 | 20024327 | 20008093 | 53.804 | 53.409 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 23:46
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 30 Sample Multiplier: 1

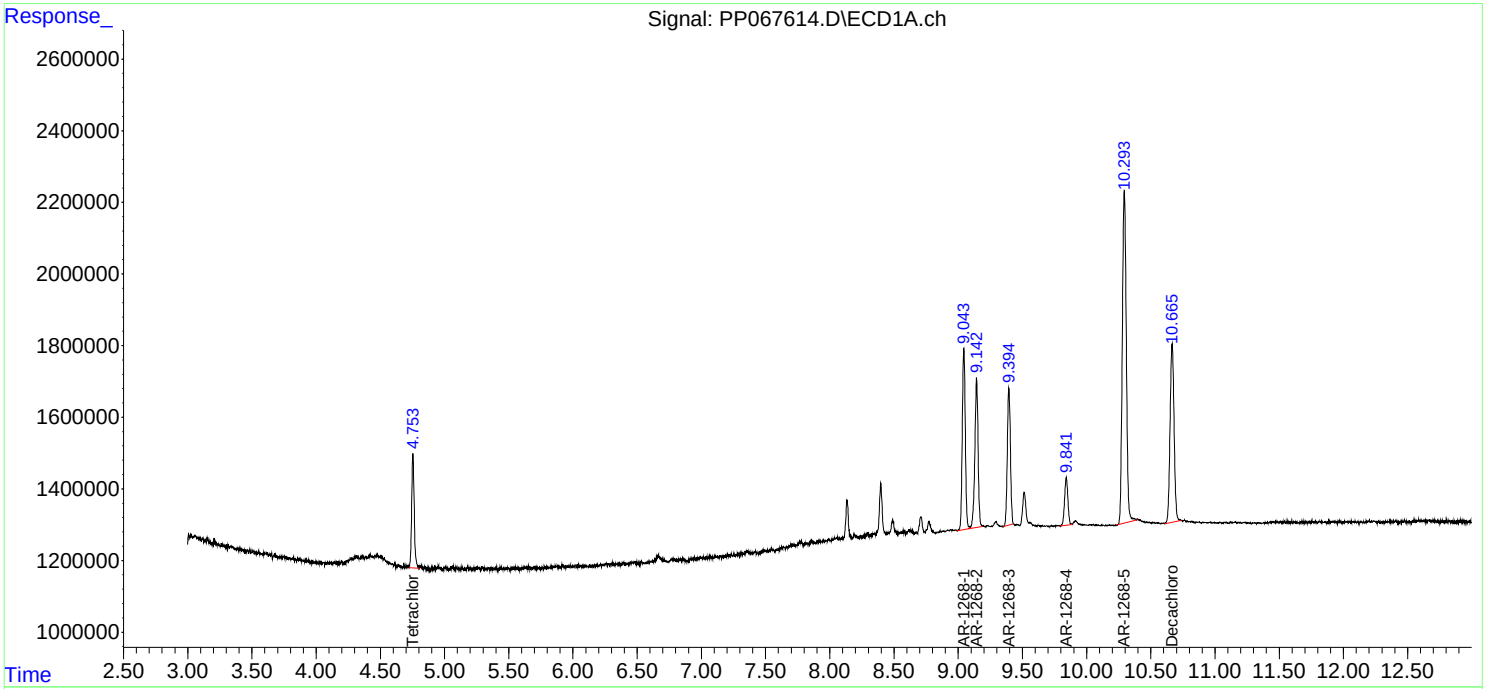
**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

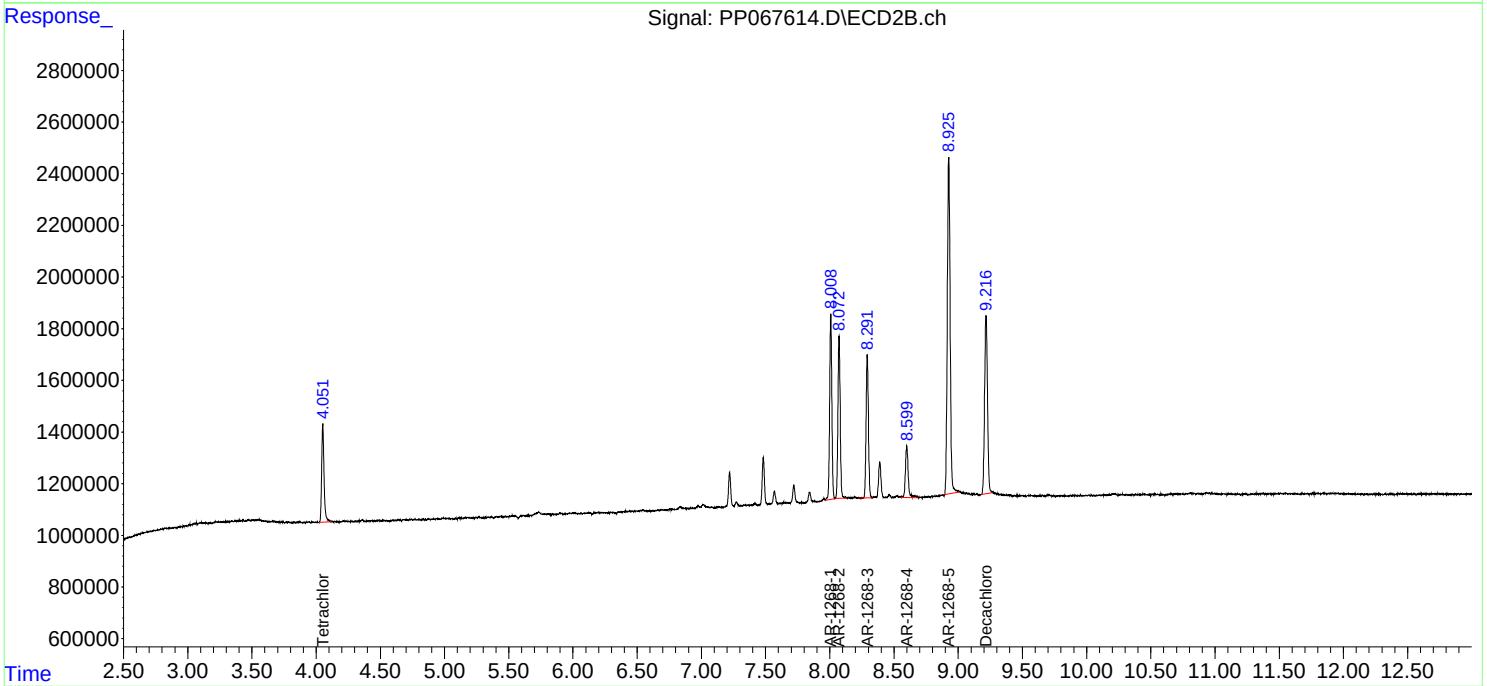
**Manual Integrations APPROVED**

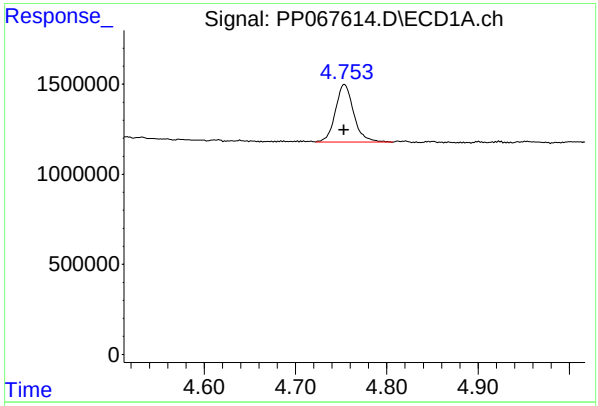
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 04:58:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





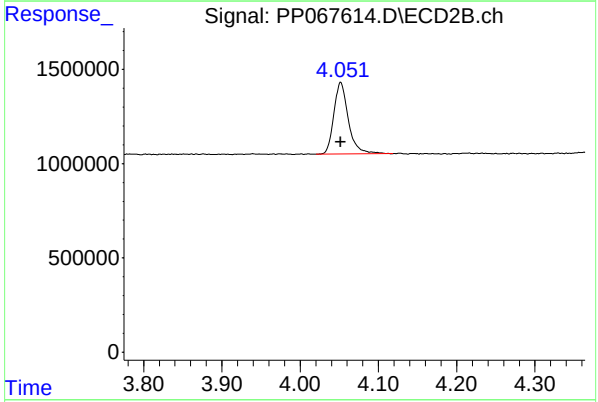

#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 4444051
Conc: 4.65 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

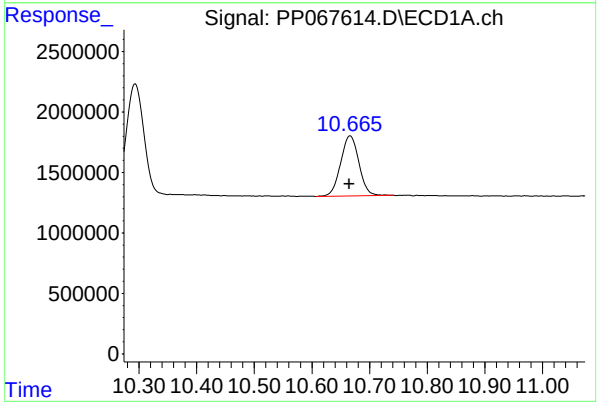
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



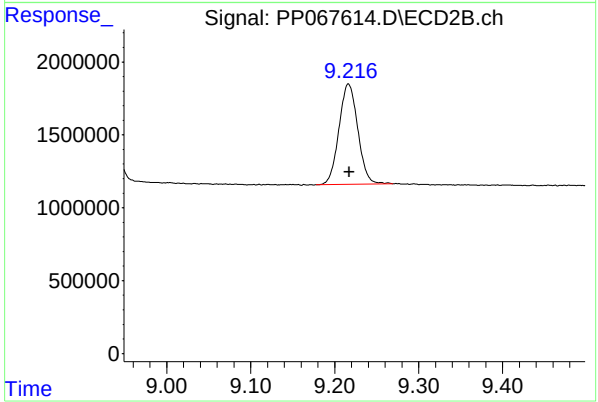

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 4895264
Conc: 4.86 ng/ml



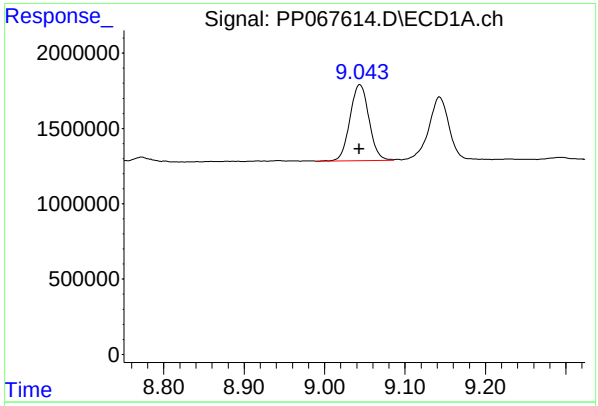

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.001 min
Response: 10815395
Conc: 5.54 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: 0.000 min
Response: 10765076
Conc: 5.70 ng/ml



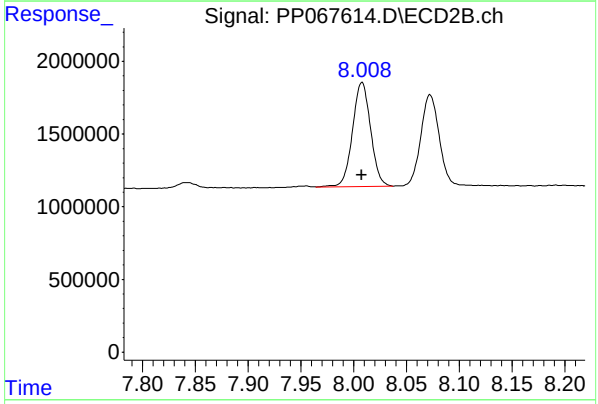

#41 AR-1268-1

R.T.: 9.043 min
Delta R.T.: 0.000 min
Response: 8277031
Conc: 54.91 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

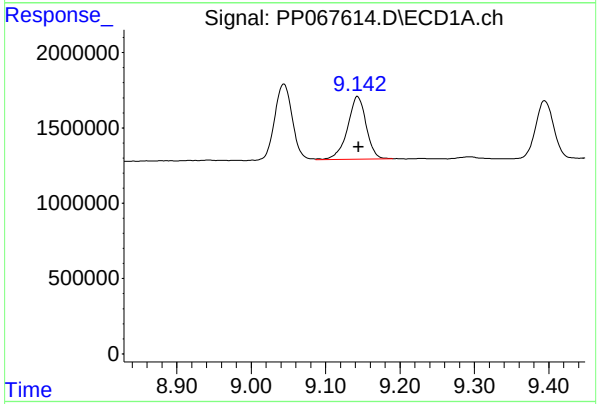
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



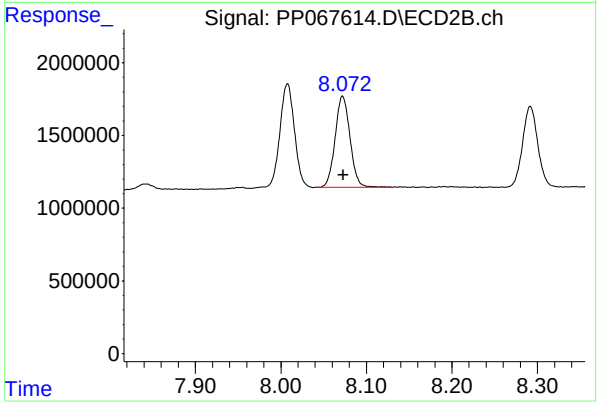

#41 AR-1268-1

R.T.: 8.008 min
Delta R.T.: 0.000 min
Response: 8538939
Conc: 54.01 ng/ml m



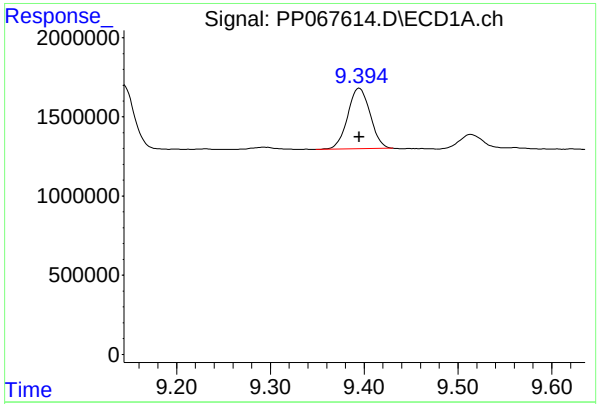

#42 AR-1268-2

R.T.: 9.143 min
Delta R.T.: -0.001 min
Response: 7244406
Conc: 53.04 ng/ml




#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 7593126
Conc: 53.28 ng/ml



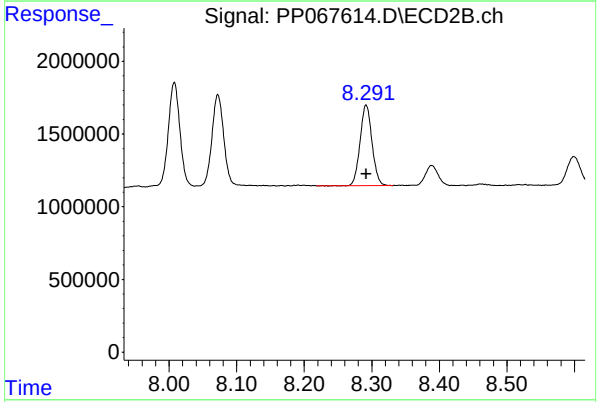

#43 AR-1268-3

R.T.: 9.395 min
Delta R.T.: 0.000 min
Response: 6350522
Conc: 53.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

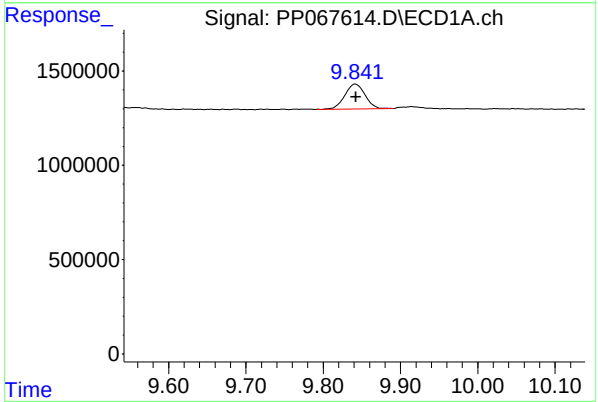
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



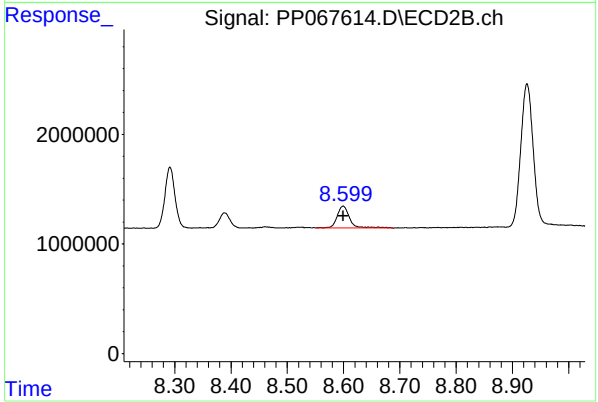

#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 6820279
Conc: 53.91 ng/ml



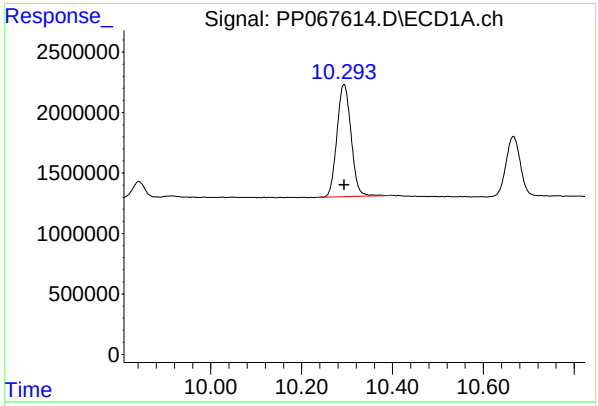

#44 AR-1268-4

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 2389235
Conc: 45.32 ng/ml




#44 AR-1268-4

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 3033576
Conc: 55.36 ng/ml



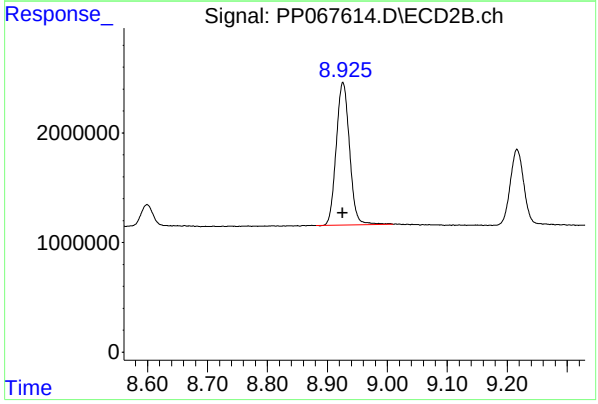

#45 AR-1268-5

R.T.: 10.293 min
Delta R.T.: 0.000 min
Response: 20024327
Conc: 53.80 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1268ICC050

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.000 min
Response: 20008093
Conc: 53.41 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 47818896 | 51563992 | 51.660 | 51.033 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 58541510 | 56291764 | 50.848 | 50.195 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.917 | 5.160 | 17263145 | 17512226 | 522.071 | 500.532 |
| 4) | L1 AR-1016-2 | 5.940 | 5.180 | 24637155 | 24097092 | 505.161 | 500.266 |
| 5) | L1 AR-1016-3 | 6.003 | 5.360 | 16248093 | 13652900 | 515.617 | 506.836 |
| 6) | L1 AR-1016-4 | 6.102 | 5.400 | 12907015 | 12153746 | 501.367 | 504.617 |
| 7) | L1 AR-1016-5 | 6.396 | 5.619 | 13858394 | 15642712 | 512.005 | 514.396 |
| 31) | L7 AR-1260-1 | 7.519 | 6.663 | 27268126 | 28191941 | 504.744 | 494.926 |
| 32) | L7 AR-1260-2 | 7.773 | 6.849 | 31860763 | 33140895 | 503.562 | 496.832 |
| 33) | L7 AR-1260-3 | 8.133 | 7.007 | 26673983 | 31543437 | 514.457 | 495.179 |
| 34) | L7 AR-1260-4 | 8.372 | 7.482 | 30787260 | 27615536 | 511.464 | 499.442 |
| 35) | L7 AR-1260-5 | 8.710 | 7.720 | 54874539 | 60890572 | 509.456 | 497.885 |

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

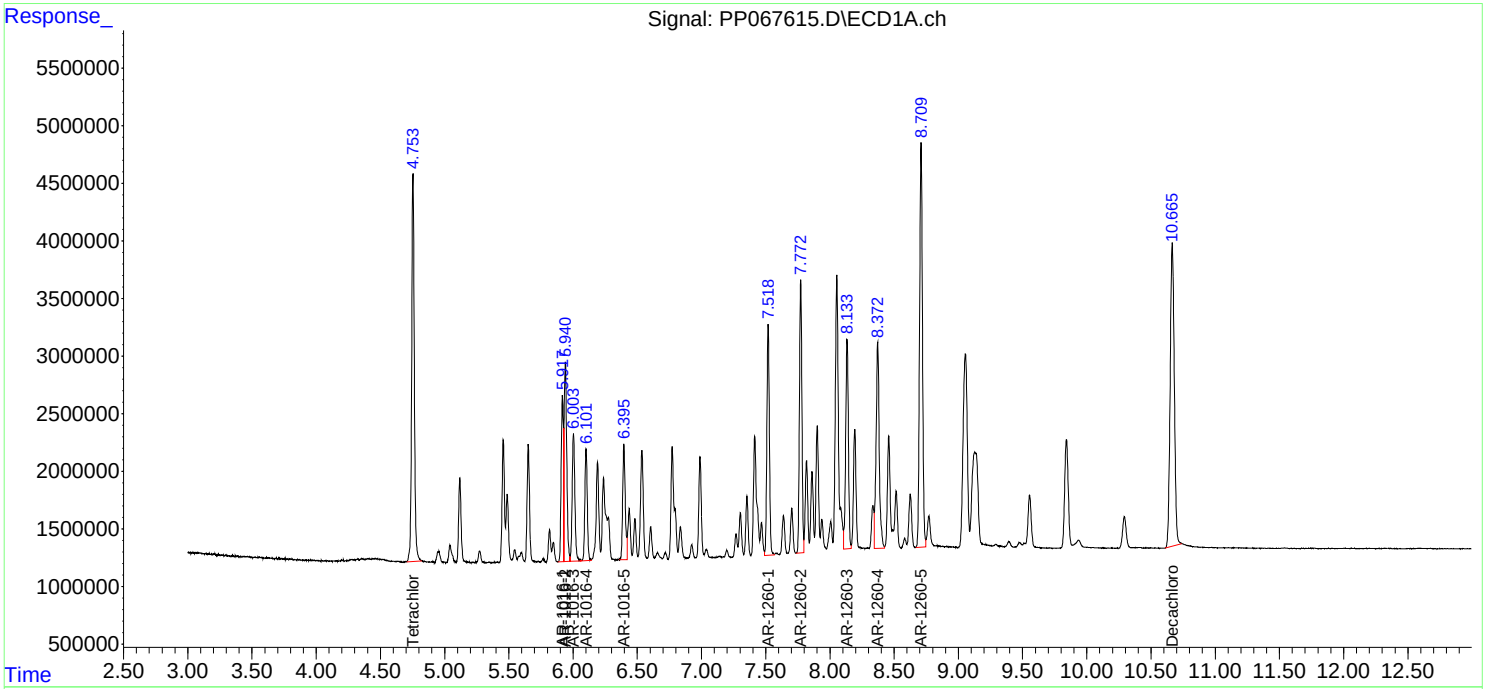
ICAL Form

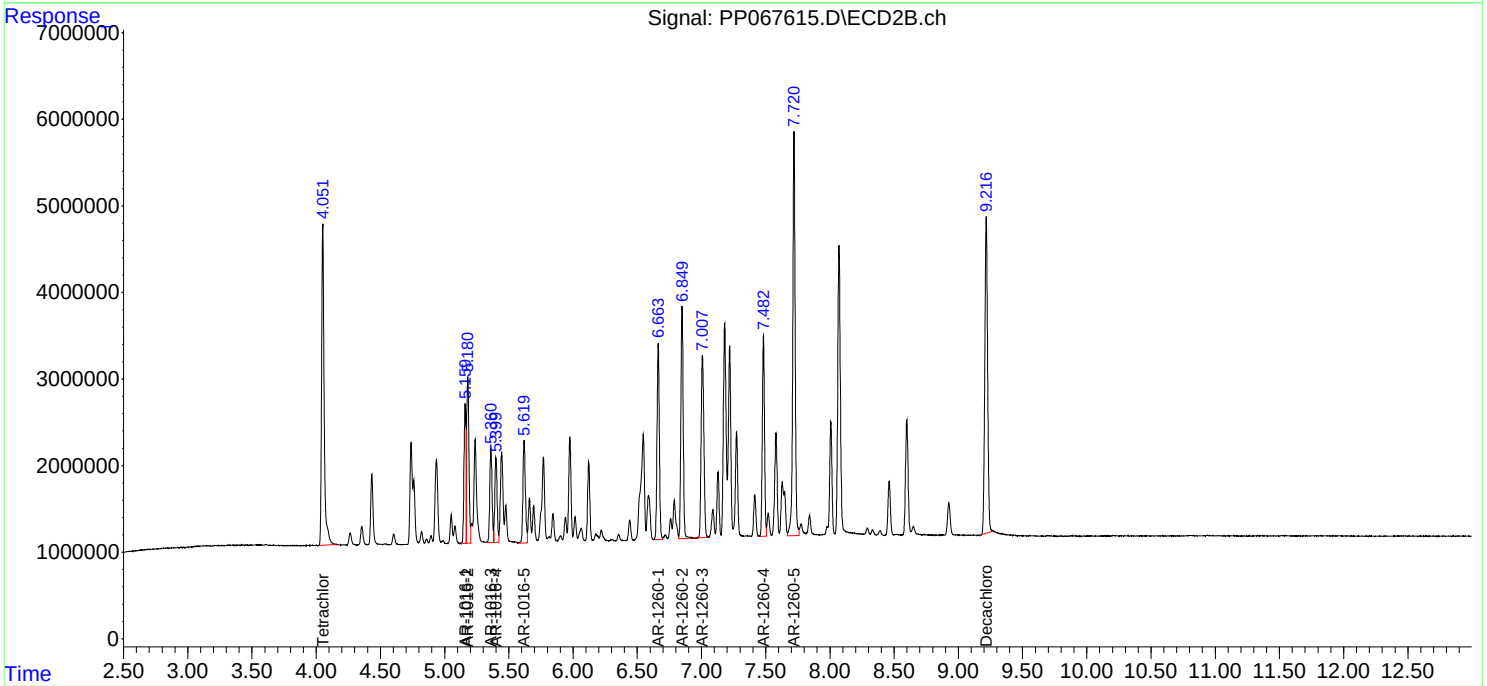
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:02
Operator : YP\AJ
Sample : PP100824ICV500
Misc :
ALS Vial : 31 Sample Multiplier: 1

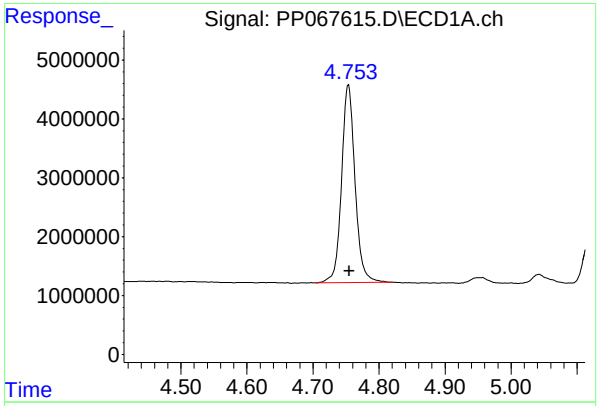
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 01:43:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Oct 08 17:49:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



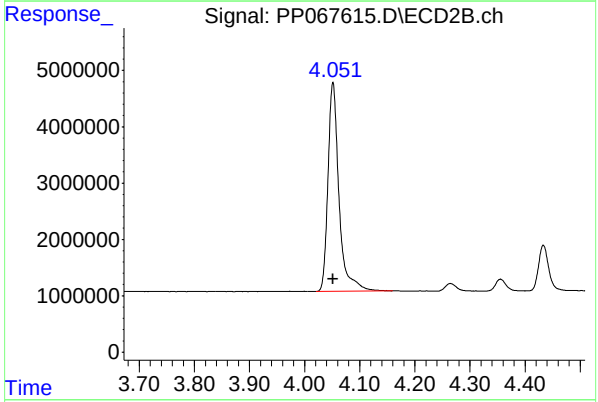






#1 Tetrachloro-m-xylene

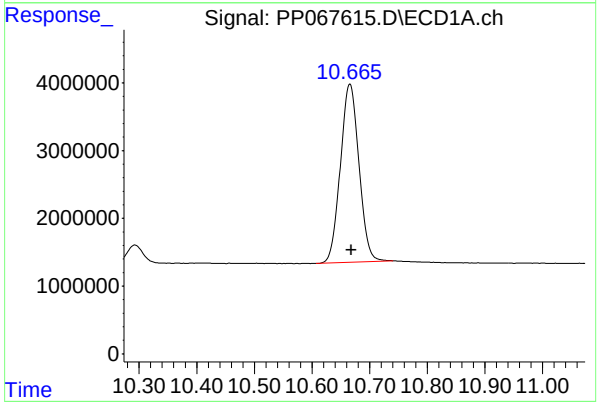
R.T.: 4.754 min
Delta R.T.: -0.001 min
Response: 47818896
Conc: 51.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



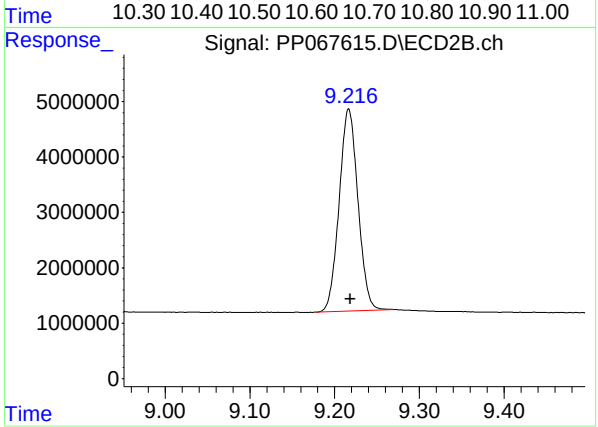

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51563992
Conc: 51.03 ng/ml



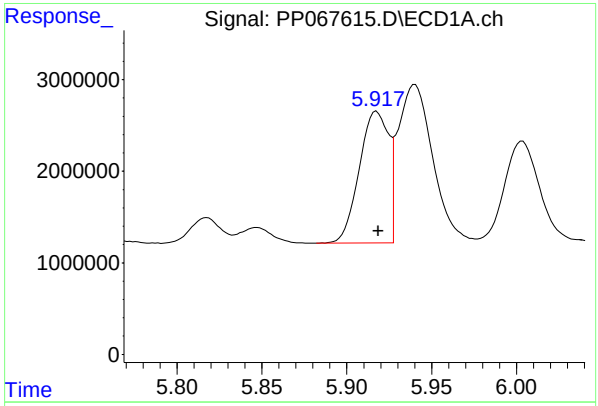

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: -0.003 min
Response: 58541510
Conc: 50.85 ng/ml




#2 Decachlorobiphenyl

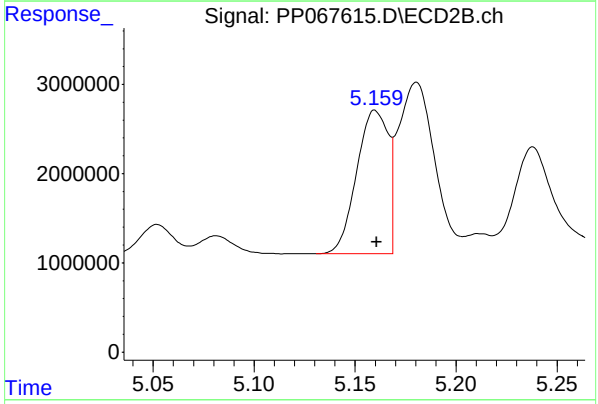
R.T.: 9.217 min
Delta R.T.: -0.002 min
Response: 56291764
Conc: 50.20 ng/ml




#3 AR-1016-1

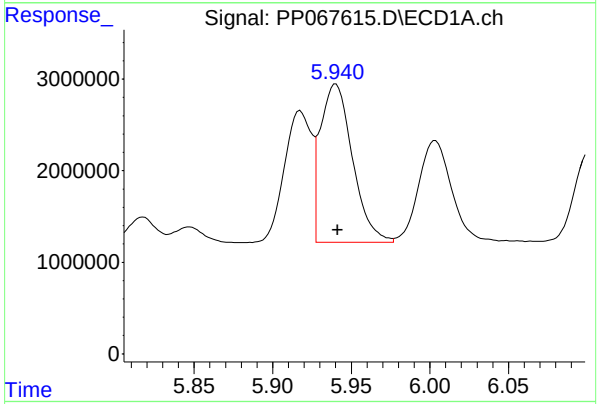
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 17263145
Conc: 522.07 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



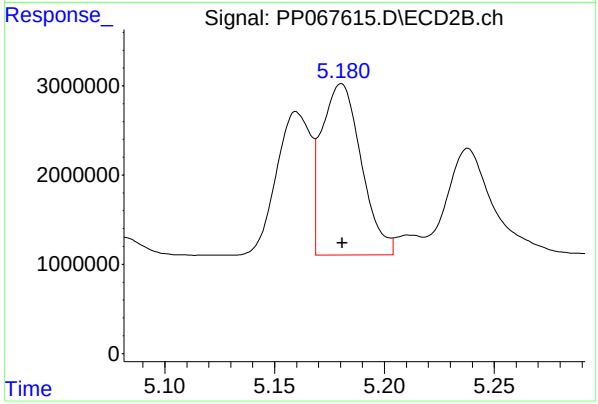

#3 AR-1016-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 17512226
Conc: 500.53 ng/ml



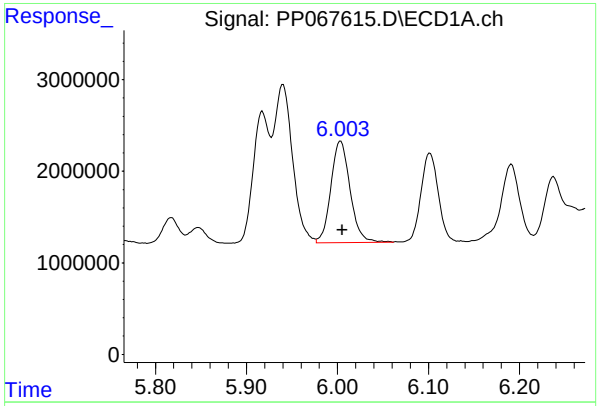

#4 AR-1016-2

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 24637155
Conc: 505.16 ng/ml




#4 AR-1016-2

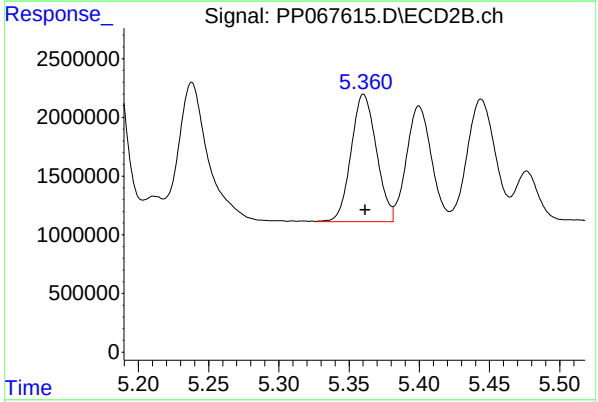
R.T.: 5.180 min
Delta R.T.: 0.000 min
Response: 24097092
Conc: 500.27 ng/ml




#5 AR-1016-3

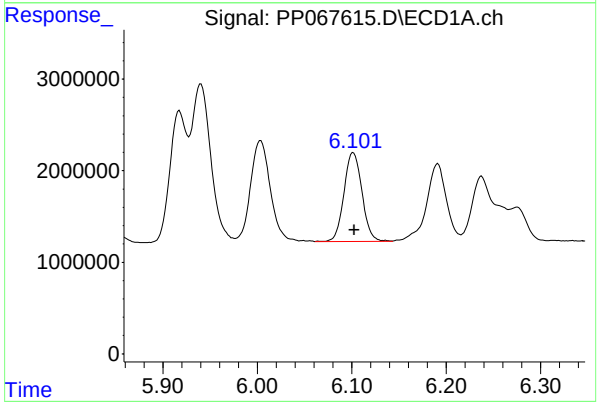
R.T.: 6.003 min
Delta R.T.: -0.002 min
Response: 16248093
Conc: 515.62 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



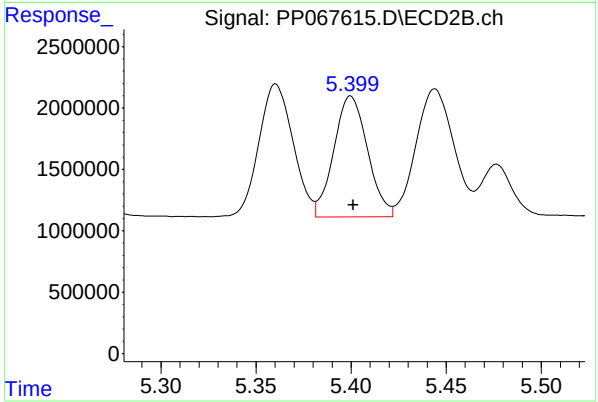

#5 AR-1016-3

R.T.: 5.360 min
Delta R.T.: -0.001 min
Response: 13652900
Conc: 506.84 ng/ml



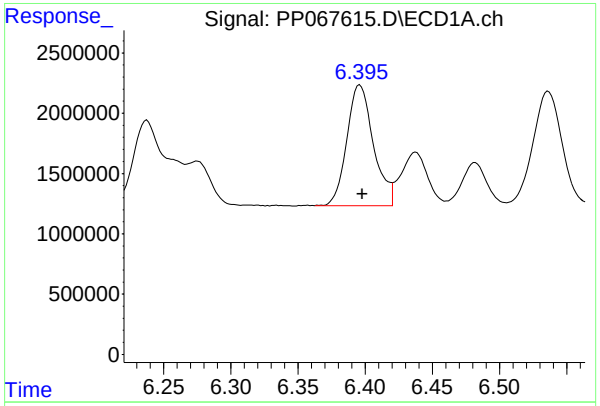

#6 AR-1016-4

R.T.: 6.102 min
Delta R.T.: -0.001 min
Response: 12907015
Conc: 501.37 ng/ml




#6 AR-1016-4

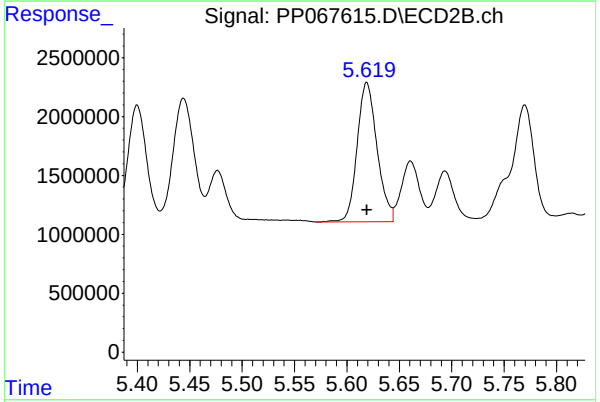
R.T.: 5.400 min
Delta R.T.: -0.001 min
Response: 12153746
Conc: 504.62 ng/ml




#7 AR-1016-5

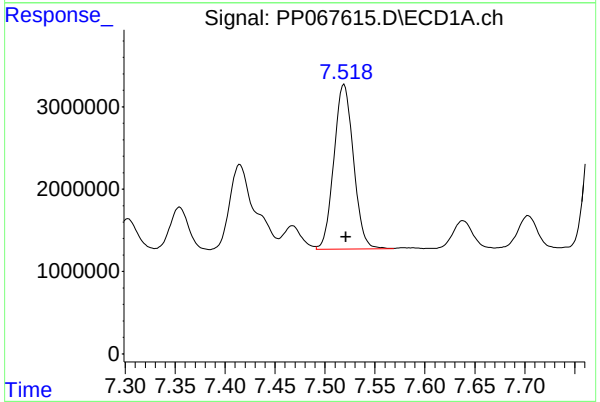
R.T.: 6.396 min
Delta R.T.: -0.002 min
Response: 13858394
Conc: 512.01 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



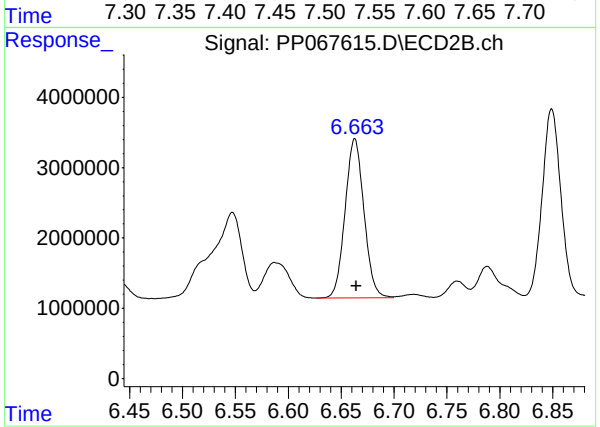

#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 15642712
Conc: 514.40 ng/ml



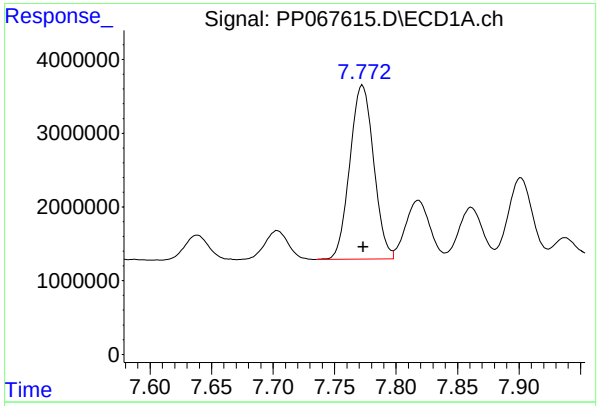

#31 AR-1260-1

R.T.: 7.519 min
Delta R.T.: -0.002 min
Response: 27268126
Conc: 504.74 ng/ml




#31 AR-1260-1

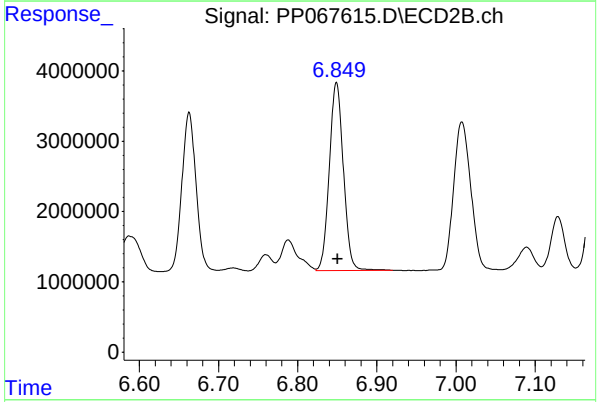
R.T.: 6.663 min
Delta R.T.: -0.001 min
Response: 28191941
Conc: 494.93 ng/ml




#32 AR-1260-2

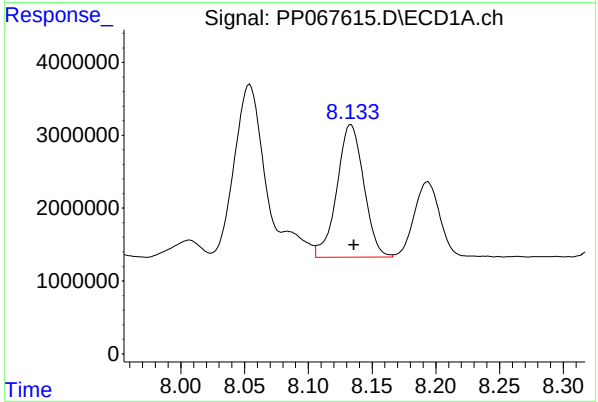
R.T.: 7.773 min
Delta R.T.: 0.000 min
Response: 31860763
Conc: 503.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



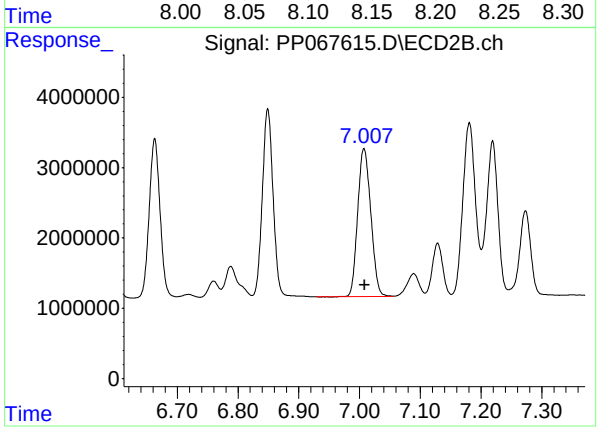

#32 AR-1260-2

R.T.: 6.849 min
Delta R.T.: -0.002 min
Response: 33140895
Conc: 496.83 ng/ml



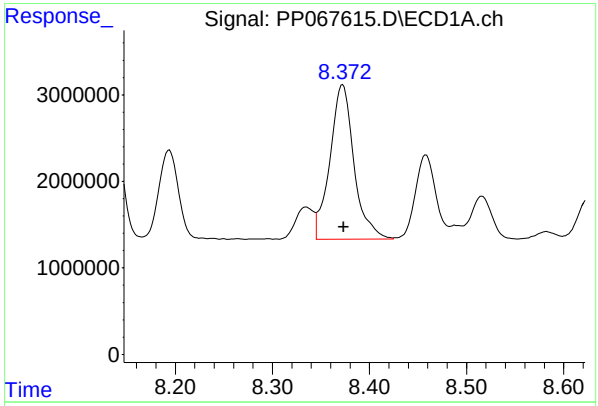

#33 AR-1260-3

R.T.: 8.133 min
Delta R.T.: -0.002 min
Response: 26673983
Conc: 514.46 ng/ml




#33 AR-1260-3

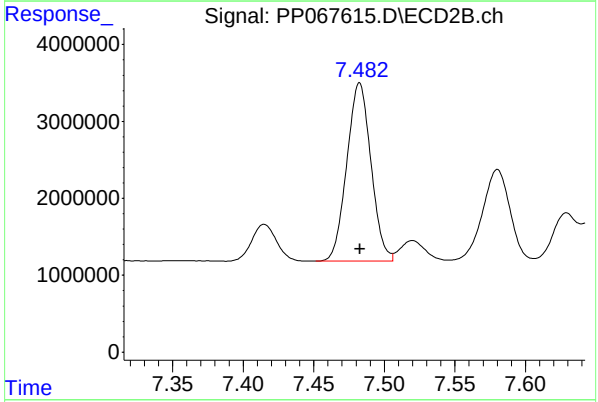
R.T.: 7.007 min
Delta R.T.: -0.001 min
Response: 31543437
Conc: 495.18 ng/ml




#34 AR-1260-4

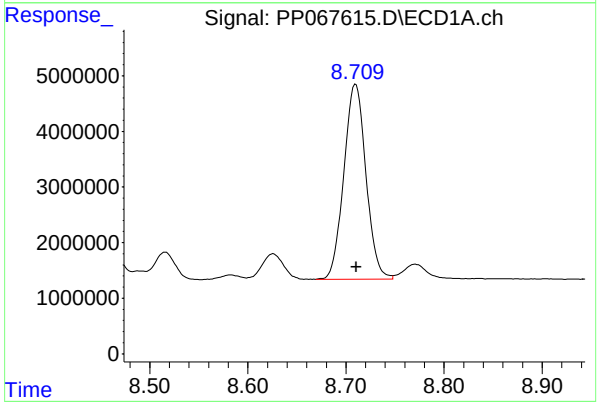
R.T.: 8.372 min
Delta R.T.: 0.000 min
Response: 30787260
Conc: 511.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824



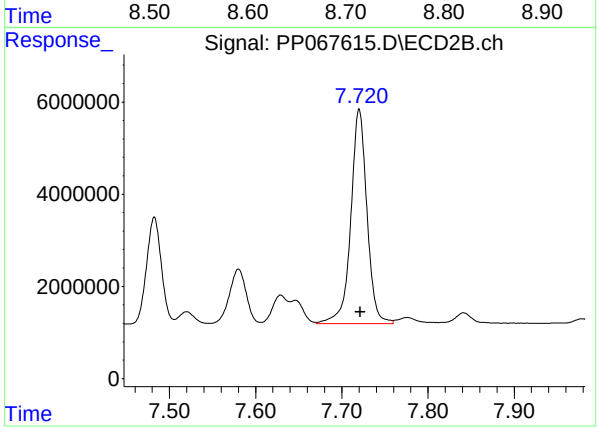

#34 AR-1260-4

R.T.: 7.482 min
Delta R.T.: 0.000 min
Response: 27615536
Conc: 499.44 ng/ml




#35 AR-1260-5

R.T.: 8.710 min
Delta R.T.: 0.000 min
Response: 54874539
Conc: 509.46 ng/ml




#35 AR-1260-5

R.T.: 7.720 min
Delta R.T.: -0.001 min
Response: 60890572
Conc: 497.88 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 48650594 | 52375624 | 51.902 | 51.231 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 59346654 | 57254165 | 51.037 | 50.352 |
| | Target Compounds | | | | | | |
| 16) | L4 AR-1242-1 | 5.917 | 5.160 | 14462482 | 15978995 | 517.679 | 549.552m |
| 17) | L4 AR-1242-2 | 5.939 | 5.180 | 20778833 | 19616005 | 511.357 | 488.596m |
| 18) | L4 AR-1242-3 | 6.003 | 5.361 | 13537133 | 11580619 | 502.031 | 514.808 |
| 19) | L4 AR-1242-4 | 6.101 | 5.444 | 10883652 | 12214914 | 507.385 | 514.579 |
| 20) | L4 AR-1242-5 | 6.835 | 5.974 | 12246250 | 14434941 | 507.598 | 503.845 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:18
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 32 Sample Multiplier: 1

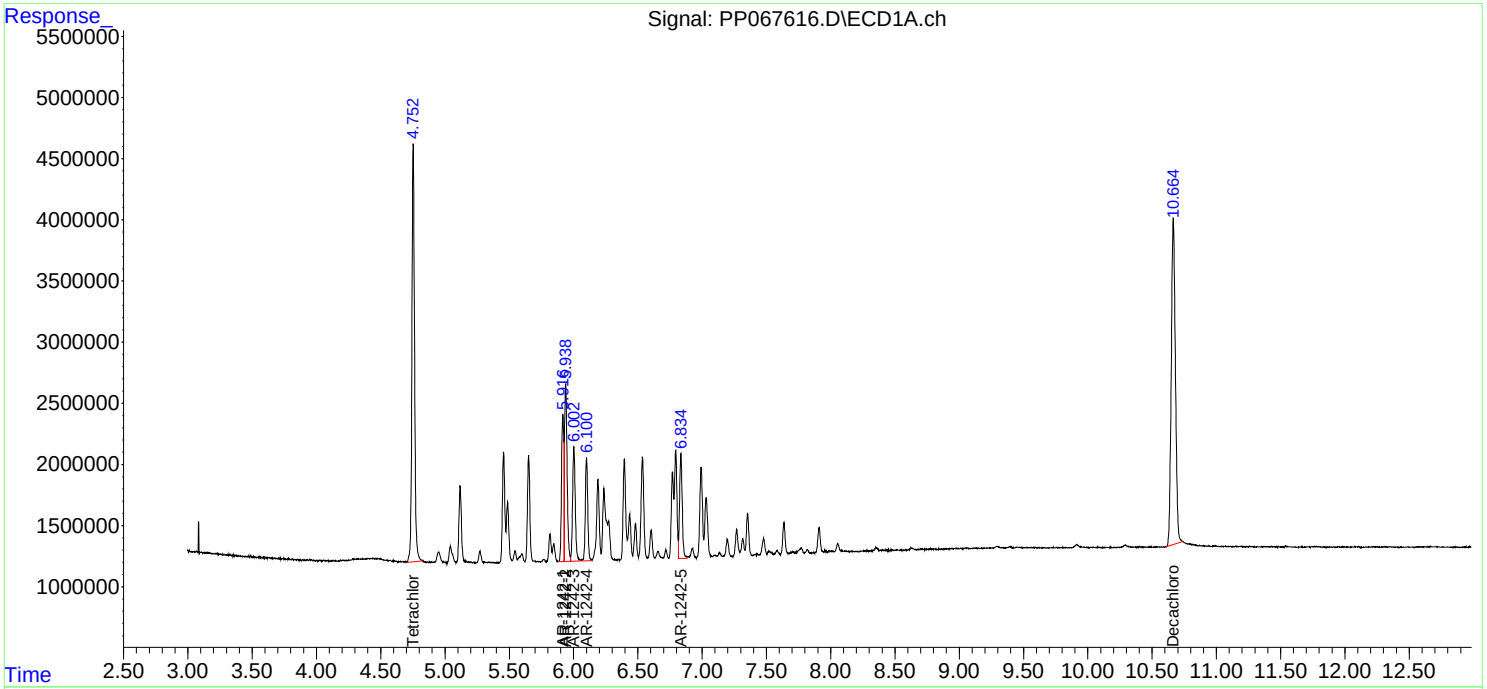
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

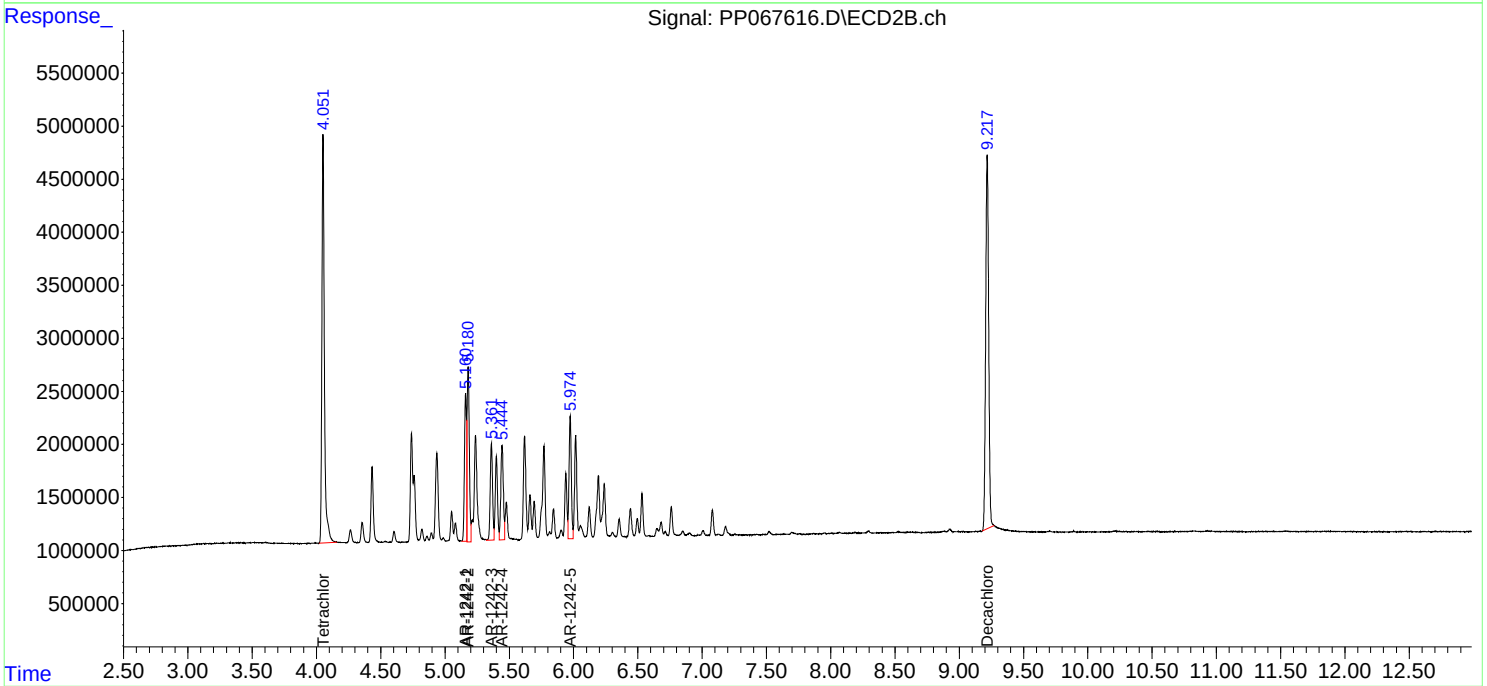
**Manual Integrations APPROVED**

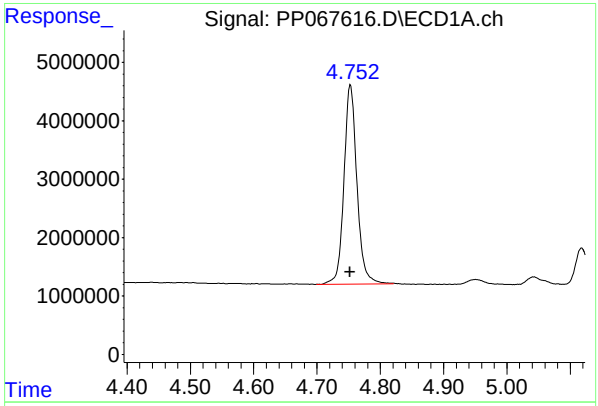
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 02:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:22:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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





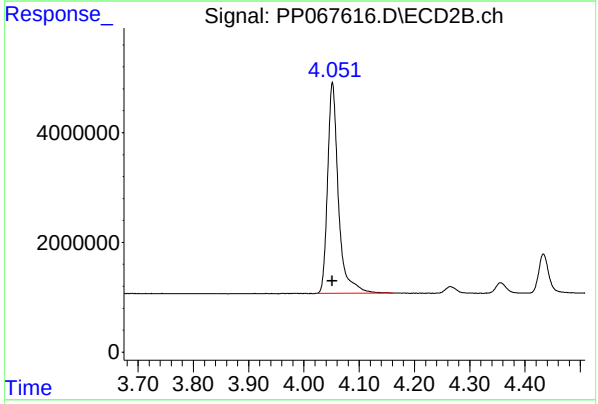

#1 Tetrachloro-m-xylene

R.T.: 4.753 min
Delta R.T.: 0.000 min
Response: 48650594
Conc: 51.90 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

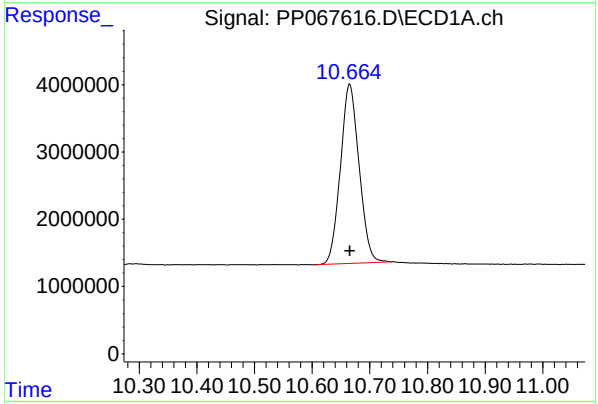
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



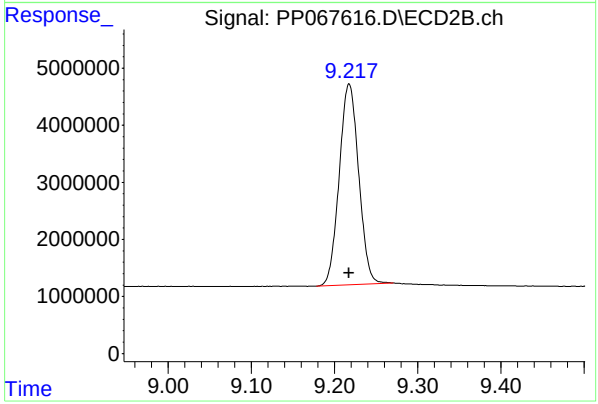

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 52375624
Conc: 51.23 ng/ml



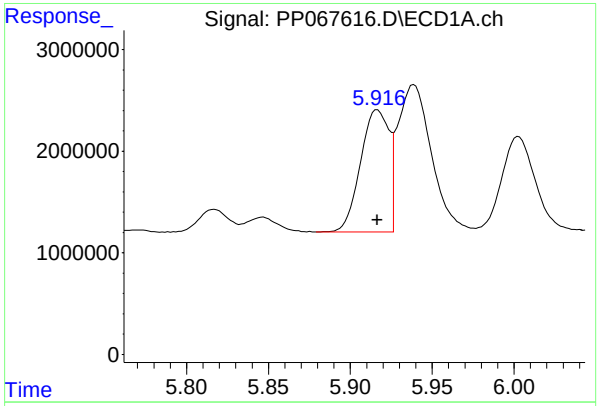

#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: 0.000 min
Response: 59346654
Conc: 51.04 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 57254165
Conc: 50.35 ng/ml



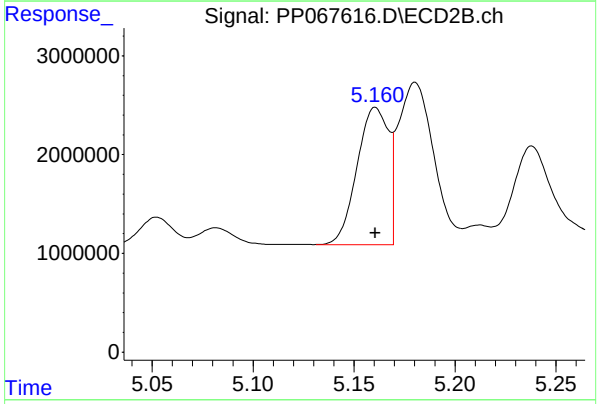

#16 AR-1242-1

R.T.: 5.917 min
Delta R.T.: 0.000 mi
Response: 14462482
Conc: 517.68 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

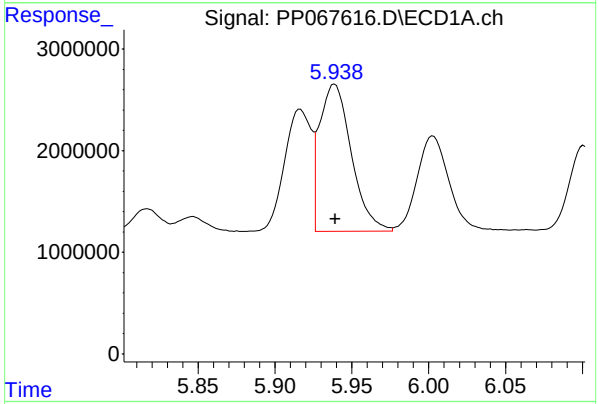
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



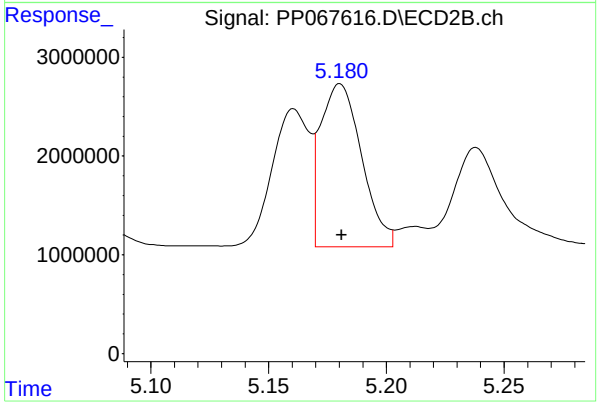

#16 AR-1242-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 15978995
Conc: 549.55 ng/ml m



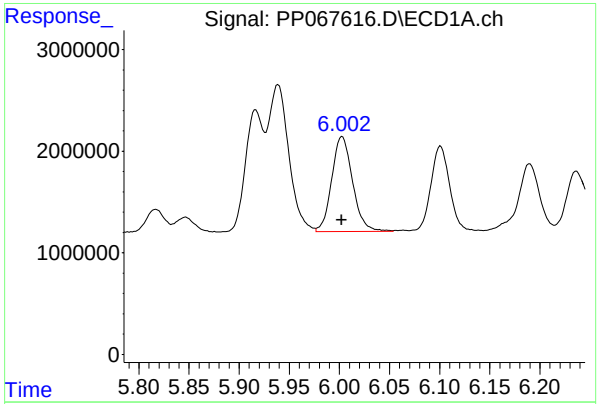

#17 AR-1242-2

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 20778833
Conc: 511.36 ng/ml




#17 AR-1242-2

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 19616005
Conc: 488.60 ng/ml m



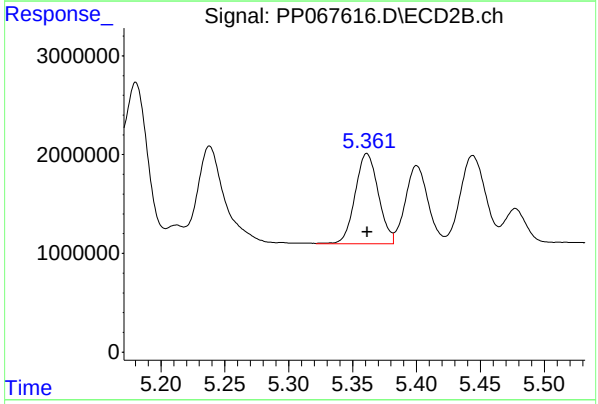

#18 AR-1242-3

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 13537133
Conc: 502.03 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

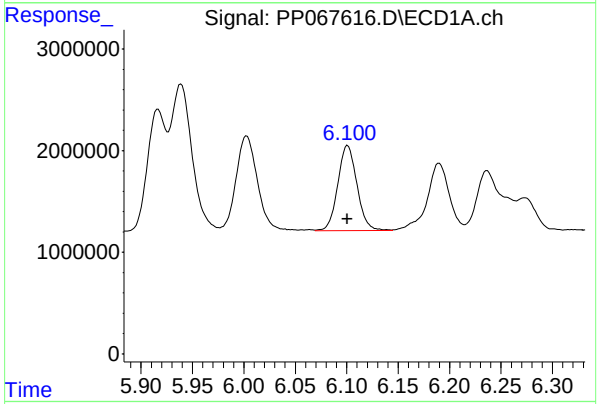
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



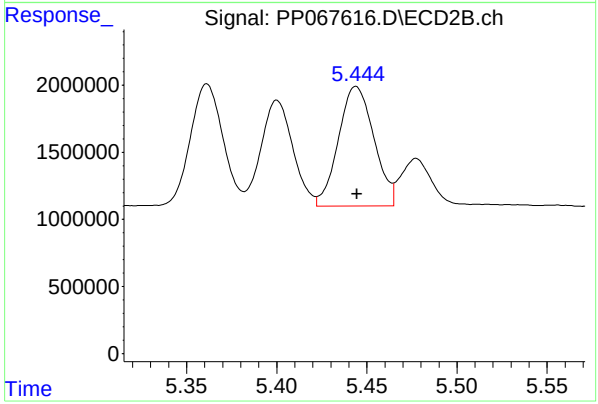

#18 AR-1242-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 11580619
Conc: 514.81 ng/ml



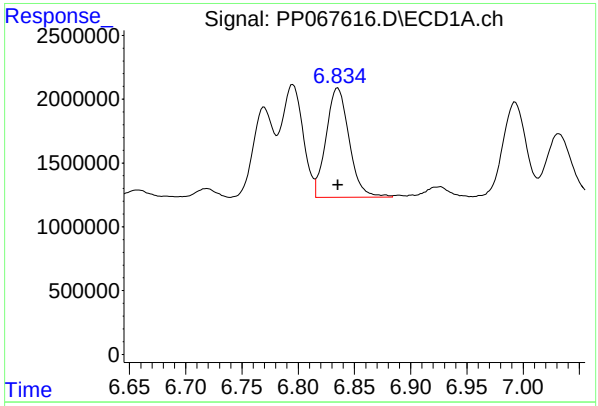

#19 AR-1242-4

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 10883652
Conc: 507.39 ng/ml




#19 AR-1242-4

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 12214914
Conc: 514.58 ng/ml



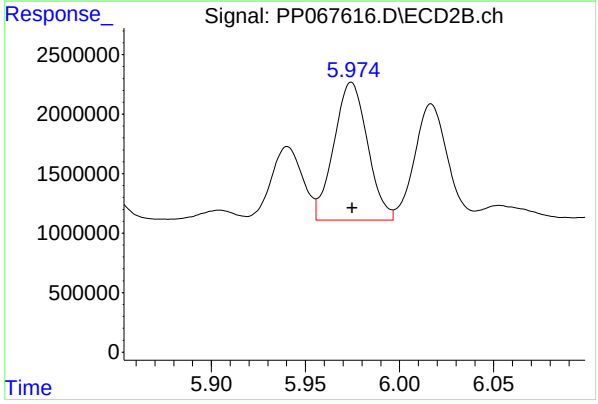

#20 AR-1242-5

R.T.: 6.835 min
Delta R.T.: 0.000 min
Response: 12246250
Conc: 507.60 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1242

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#20 AR-1242-5

R.T.: 5.974 min
Delta R.T.: 0.000 min
Response: 14434941
Conc: 503.84 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.753 | 4.052 | 47929126 | 51603157 | 51.315 | 51.526 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 59204707 | 57893421 | 50.009 | 50.840 |
| | Target Compounds | | | | | | |
| 21) | L5 AR-1248-1 | 5.917 | 5.160 | 11359469 | 11663900 | 530.249 | 514.649 |
| 22) | L5 AR-1248-2 | 6.190 | 5.400 | 17221900 | 16975707 | 512.302 | 512.926 |
| 23) | L5 AR-1248-3 | 6.396 | 5.444 | 18903781 | 17763189 | 516.138 | 515.254 |
| 24) | L5 AR-1248-4 | 6.796 | 5.619 | 20803279 | 20588412 | 514.287 | 502.697 |
| 25) | L5 AR-1248-5 | 6.835 | 6.017 | 20466751 | 18878098 | 516.042 | 504.180 |

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

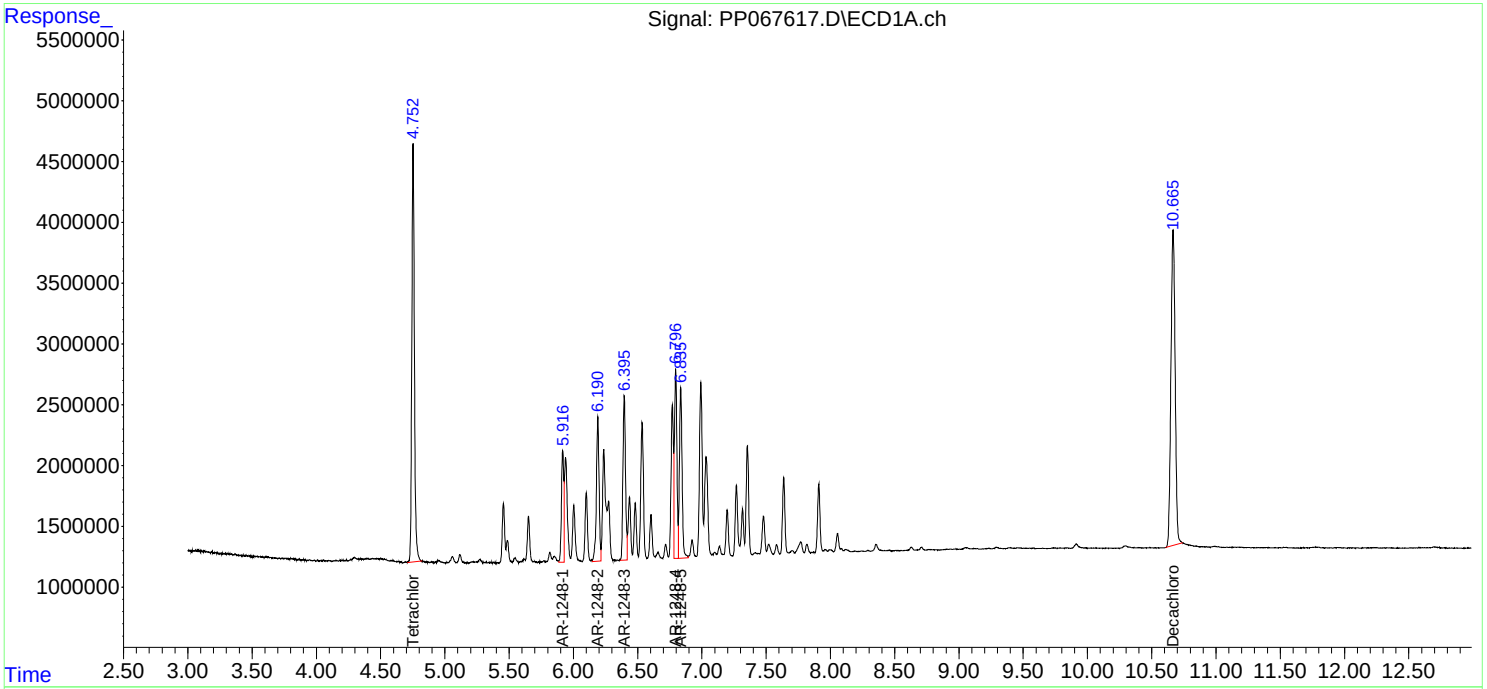
ICAL Form

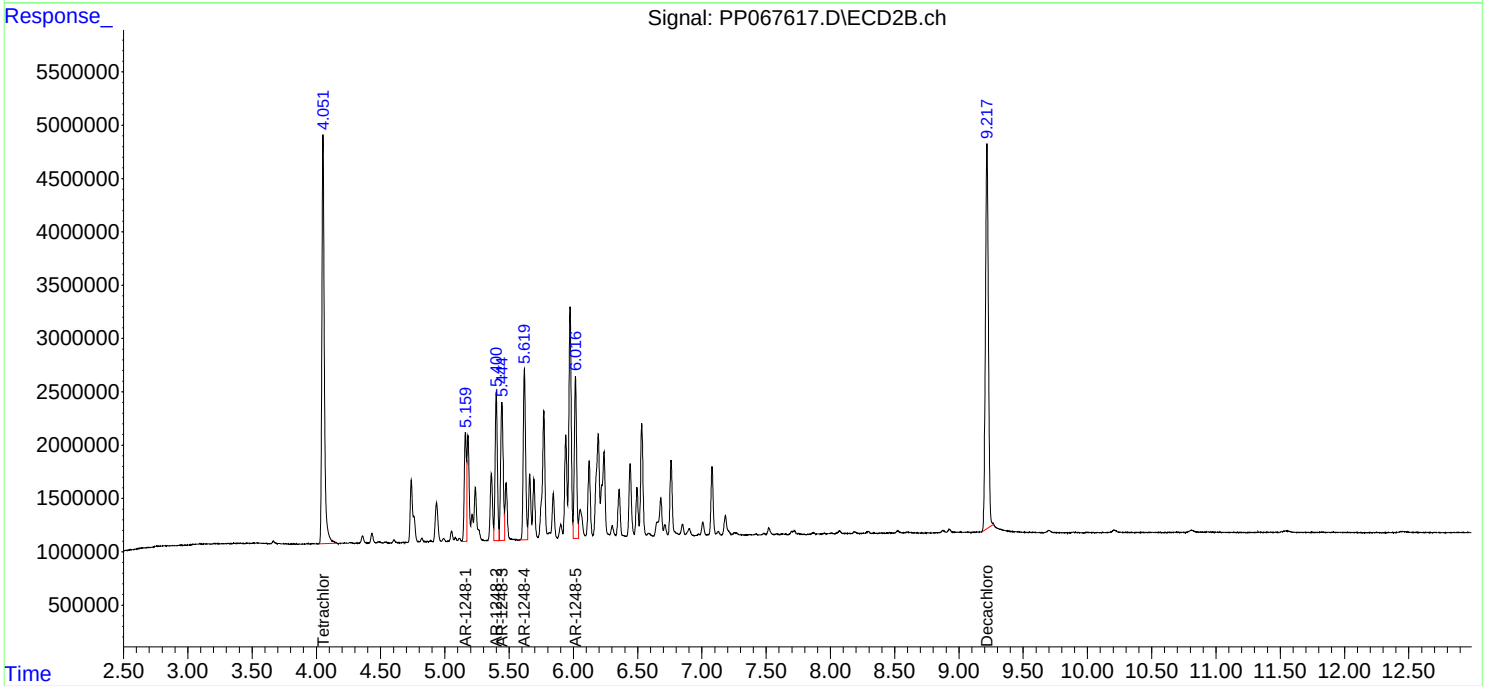
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067617.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:34
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 33 Sample Multiplier: 1

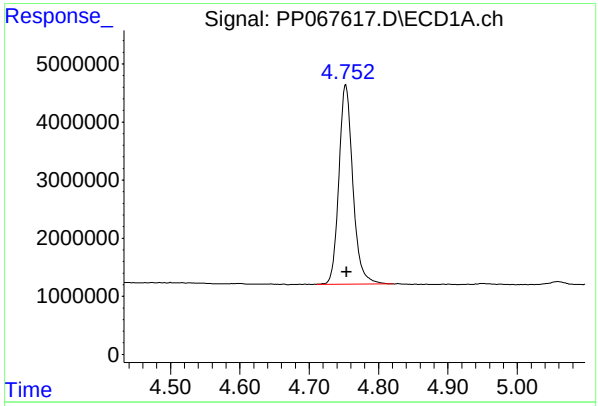
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:13:27 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 02:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



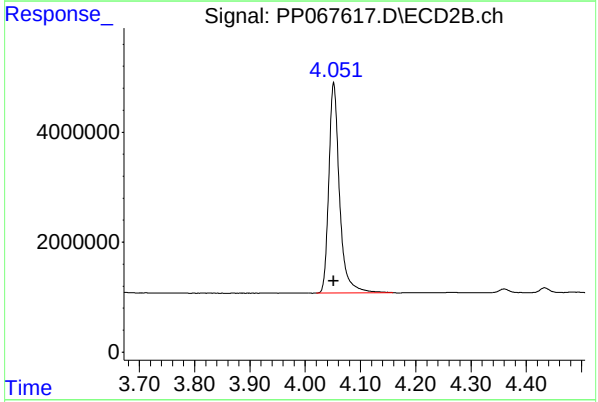






#1 Tetrachloro-m-xylene

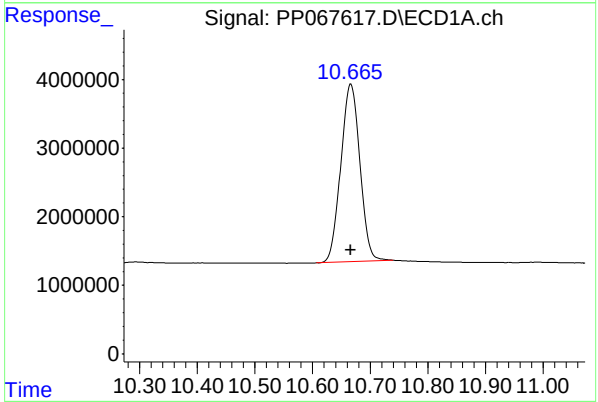
R.T.: 4.753 min
Delta R.T.: -0.001 min
Response: 47929126
Conc: 51.31 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248



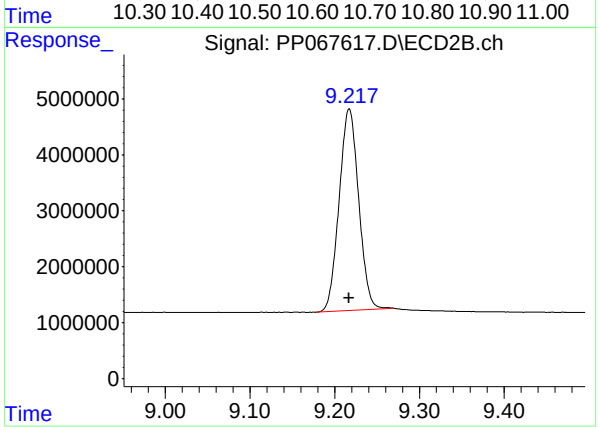

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 51603157
Conc: 51.53 ng/ml



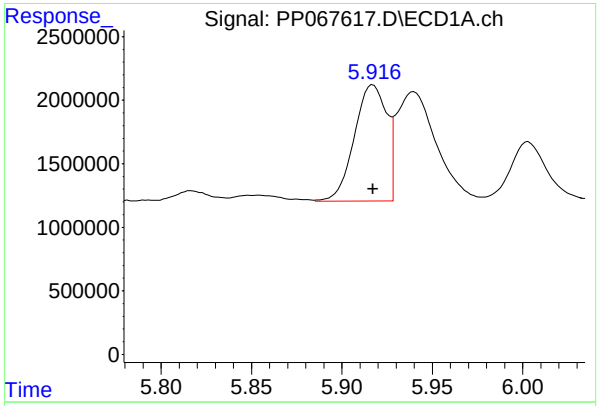

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 59204707
Conc: 50.01 ng/ml




#2 Decachlorobiphenyl

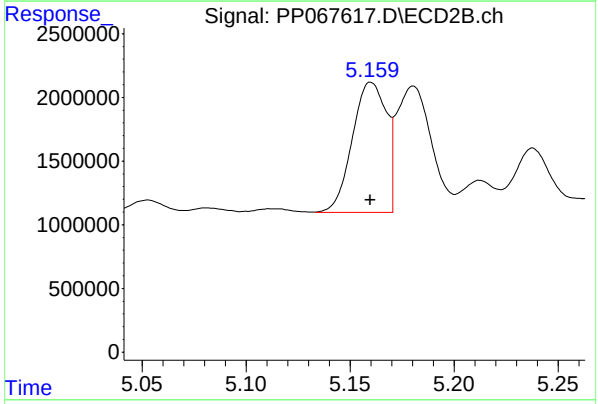
R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 57893421
Conc: 50.84 ng/ml




#21 AR-1248-1

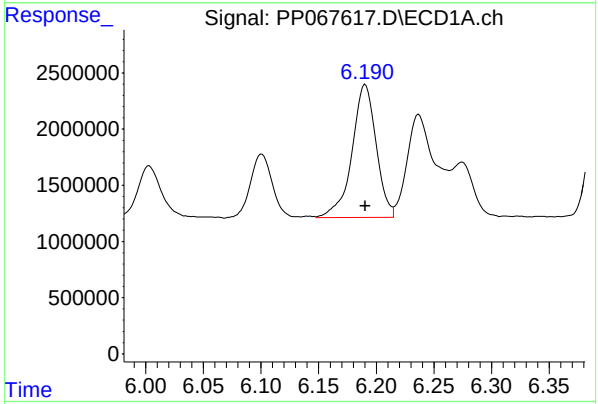
R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 11359469
Conc: 530.25 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248



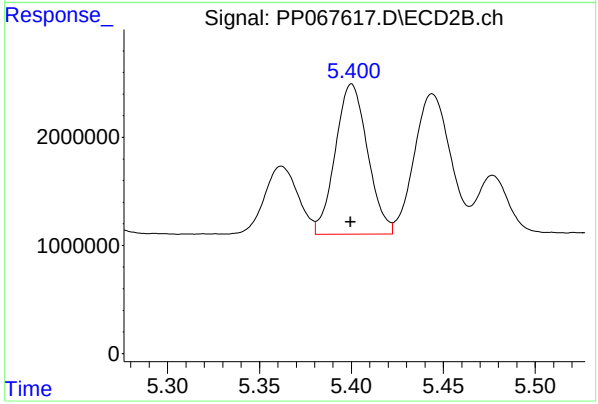

#21 AR-1248-1

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 11663900
Conc: 514.65 ng/ml



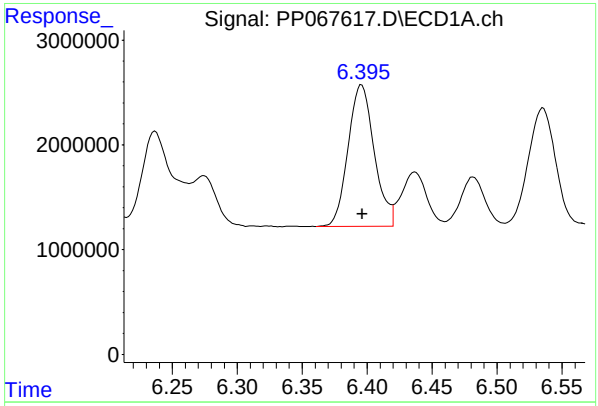

#22 AR-1248-2

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 17221900
Conc: 512.30 ng/ml




#22 AR-1248-2

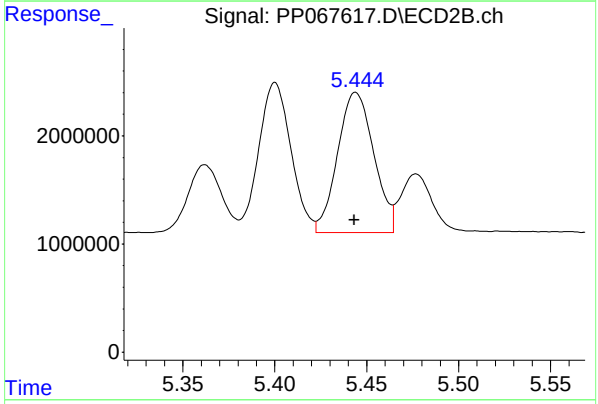
R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 16975707
Conc: 512.93 ng/ml




#23 AR-1248-3

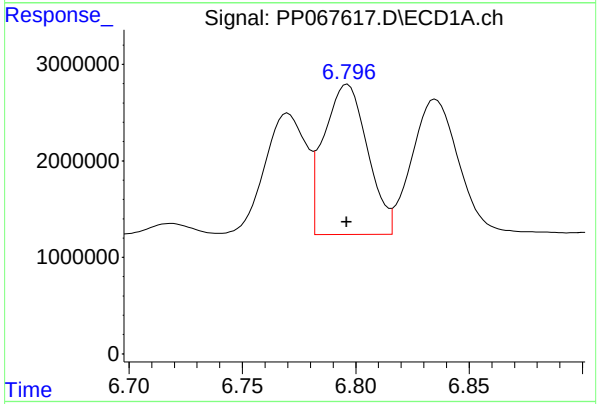
R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 18903781
Conc: 516.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248



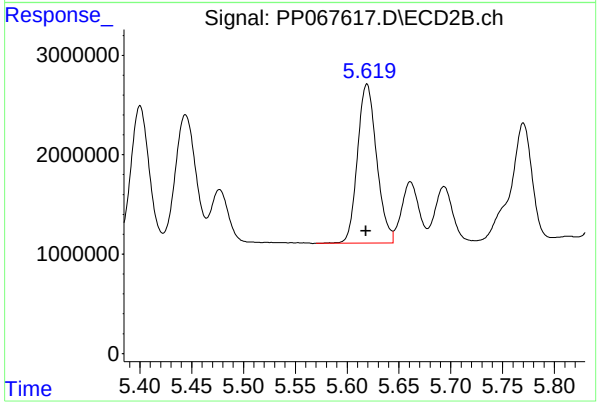

#23 AR-1248-3

R.T.: 5.444 min
Delta R.T.: 0.000 min
Response: 17763189
Conc: 515.25 ng/ml



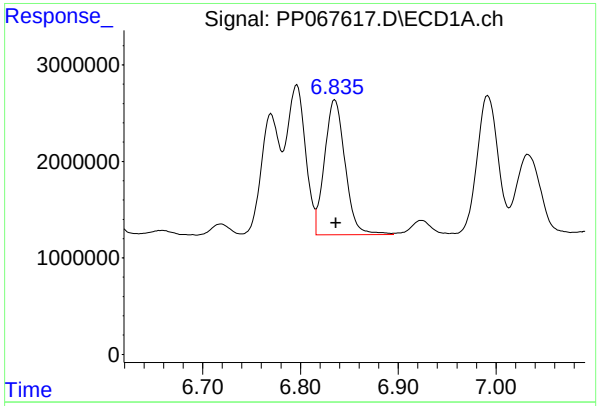

#24 AR-1248-4

R.T.: 6.796 min
Delta R.T.: 0.000 min
Response: 20803279
Conc: 514.29 ng/ml




#24 AR-1248-4

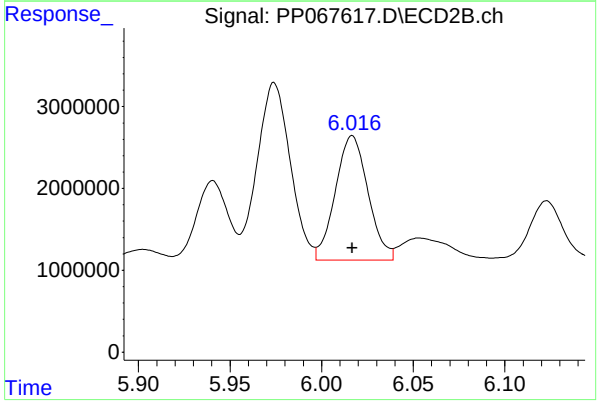
R.T.: 5.619 min
Delta R.T.: 0.000 min
Response: 20588412
Conc: 502.70 ng/ml




#25 AR-1248-5

R.T.: 6.835 min
Delta R.T.: -0.001 mi
Response: 20466751
Conc: 516.04 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1248




#25 AR-1248-5

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 18878098
Conc: 504.18 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.756 | 4.051 | 48530224 | 52089649 | 51.723 | 51.478 |
| 2) | SA Decachlor... | 10.668 | 9.217 | 60024597 | 58780254 | 50.717 | 50.845 |
| | Target Compounds | | | | | | |
| 26) | L6 AR-1254-1 | 6.775 | 5.975 | 22815828 | 29677404 | 509.481 | 502.293 |
| 27) | L6 AR-1254-2 | 6.991 | 6.123 | 33399032 | 26325396 | 505.298 | 501.778 |
| 28) | L6 AR-1254-3 | 7.357 | 6.532 | 34711516 | 42198184 | 499.786 | 507.141 |
| 29) | L6 AR-1254-4 | 7.639 | 6.760 | 25405512 | 24704816 | 509.082 | 511.760m |
| 30) | L6 AR-1254-5 | 8.057 | 7.182 | 29963770 | 37426268 | 505.560m | 508.846 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067618.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 00:51
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 34 Sample Multiplier: 1

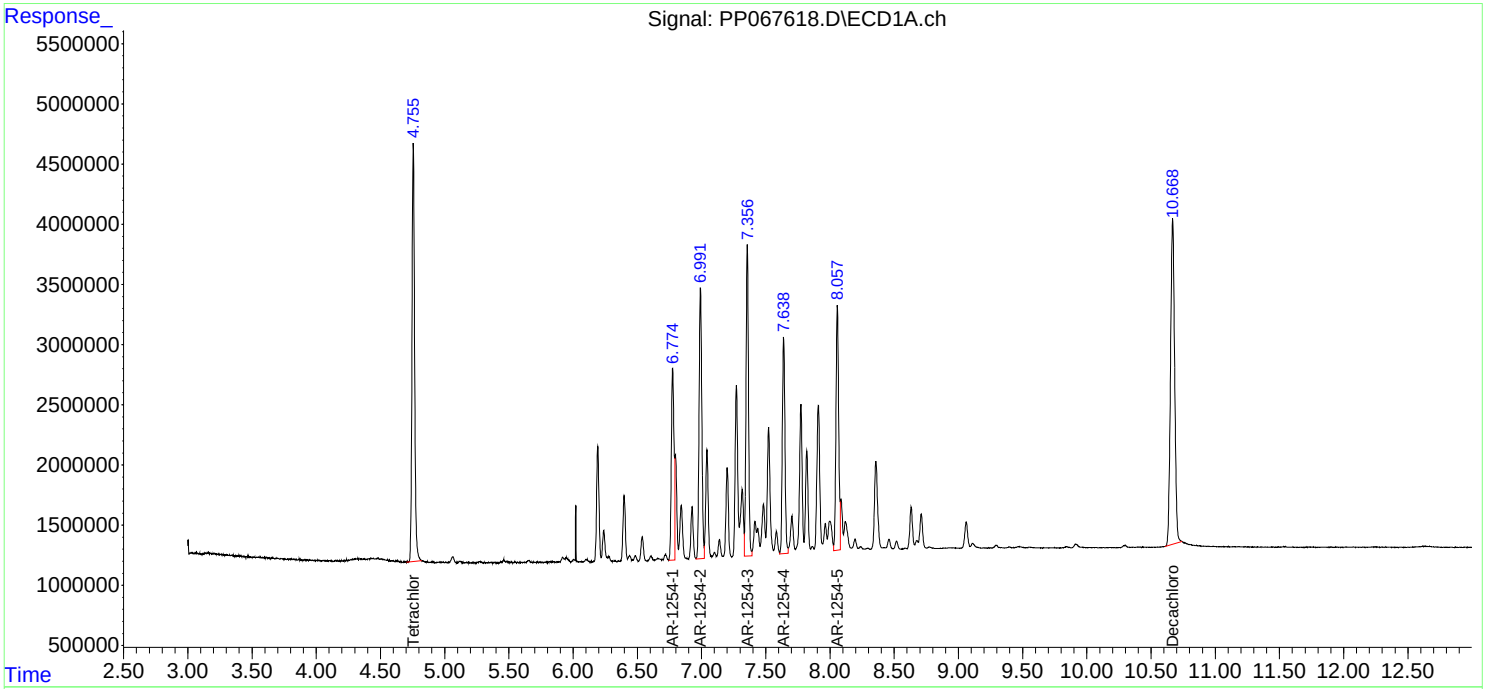
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

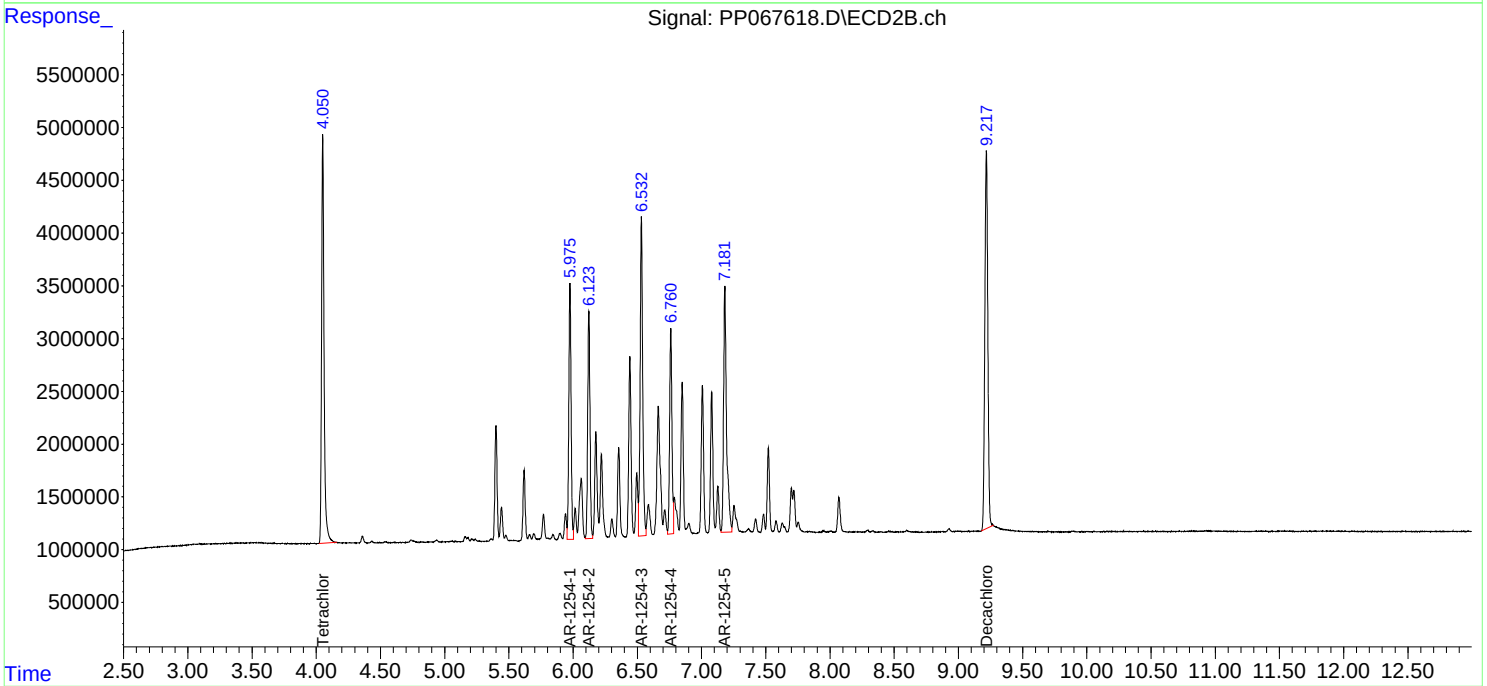
**Manual Integrations APPROVED**

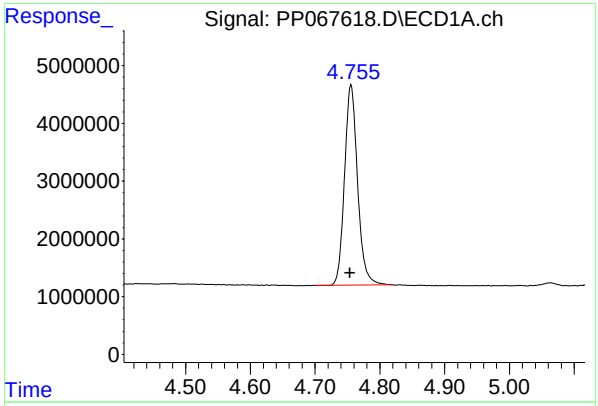
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 03:43:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 03:24:30 2024
Response via : Initial Calibration
Integrator: ChemStation

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





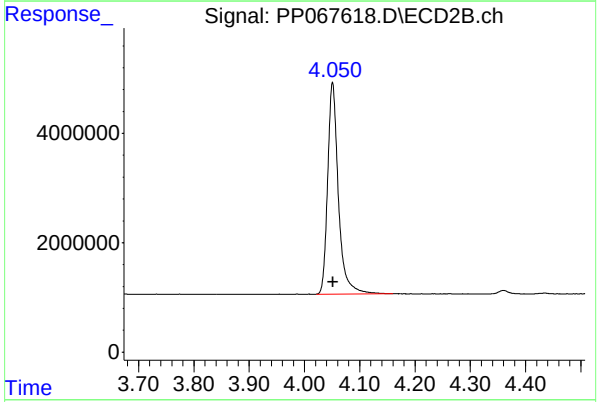

#1 Tetrachloro-m-xylene

R.T.: 4.756 min
Delta R.T.: 0.002 min
Response: 48530224
Conc: 51.72 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

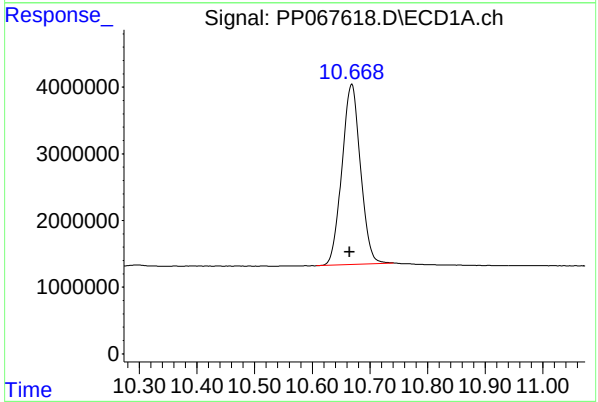
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



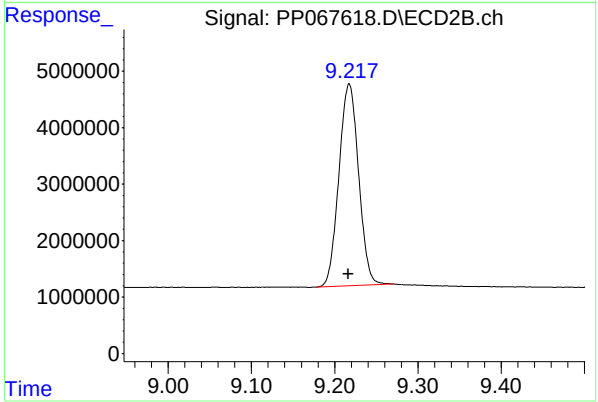

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 52089649
Conc: 51.48 ng/ml



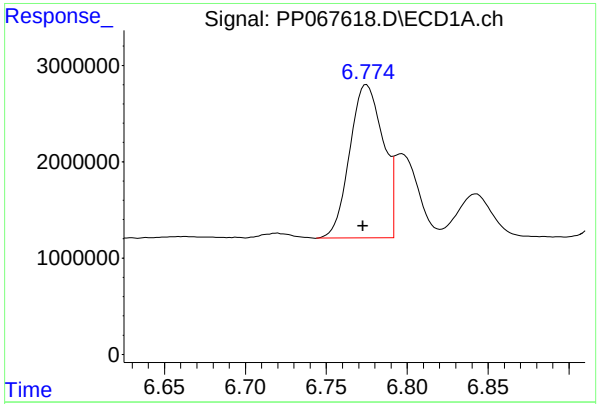

#2 Decachlorobiphenyl

R.T.: 10.668 min
Delta R.T.: 0.004 min
Response: 60024597
Conc: 50.72 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 58780254
Conc: 50.85 ng/ml



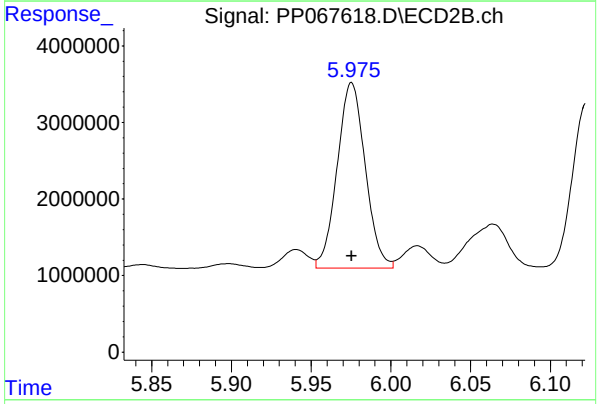

#26 AR-1254-1

R.T.: 6.775 min
Delta R.T.: 0.002 min
Response: 22815828
Conc: 509.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

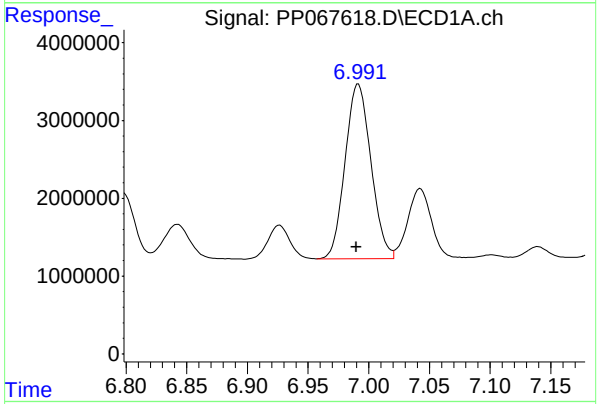
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



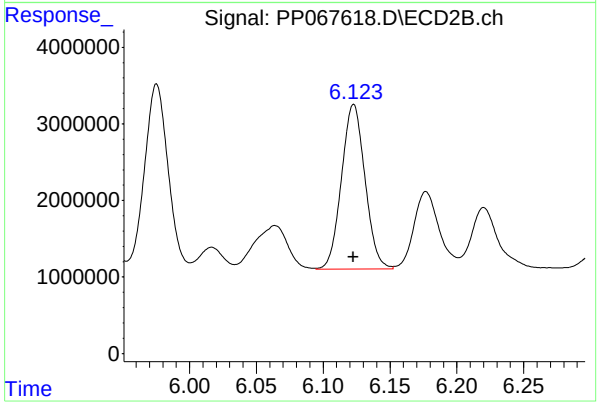

#26 AR-1254-1

R.T.: 5.975 min
Delta R.T.: 0.000 min
Response: 29677404
Conc: 502.29 ng/ml



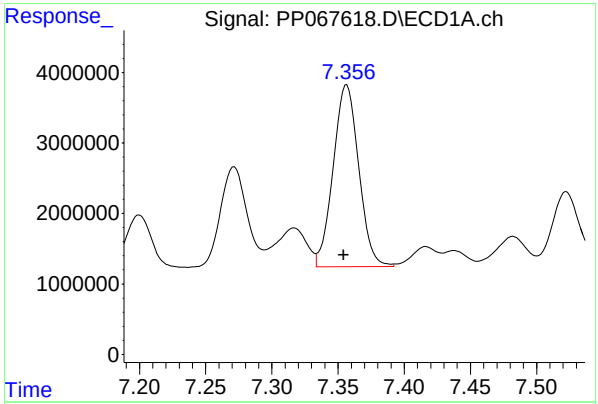

#27 AR-1254-2

R.T.: 6.991 min
Delta R.T.: 0.002 min
Response: 33399032
Conc: 505.30 ng/ml




#27 AR-1254-2

R.T.: 6.123 min
Delta R.T.: 0.000 min
Response: 26325396
Conc: 501.78 ng/ml



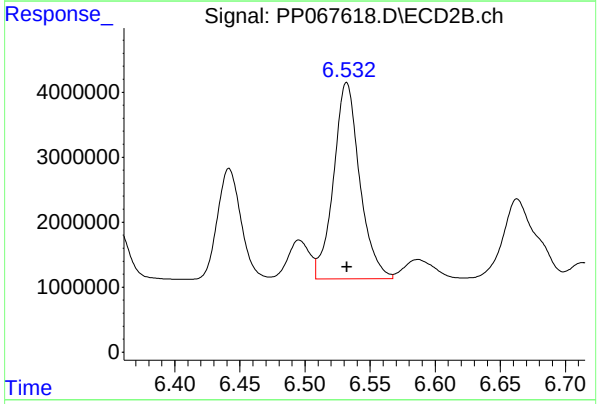

#28 AR-1254-3

R.T.: 7.357 min
Delta R.T.: 0.002 mi
Response: 34711516
Conc: 499.79 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

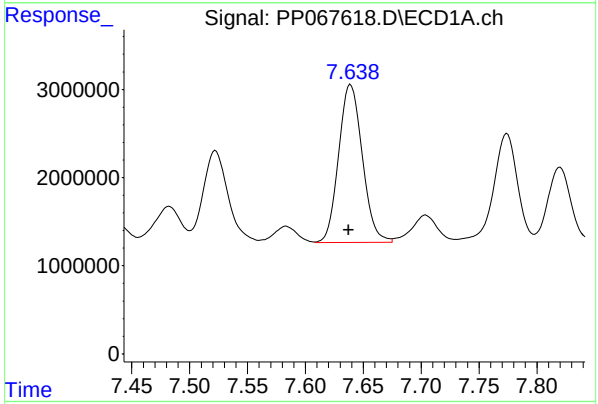
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



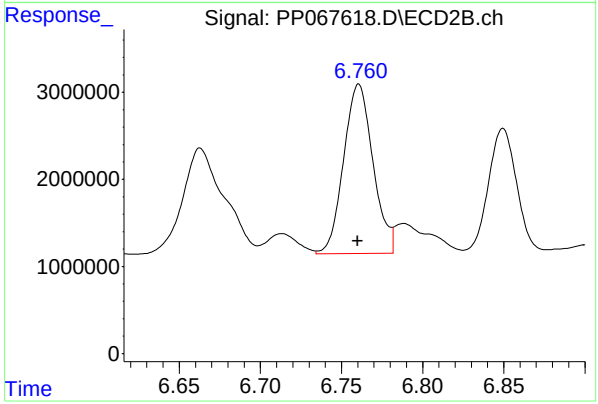

#28 AR-1254-3

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 42198184
Conc: 507.14 ng/ml



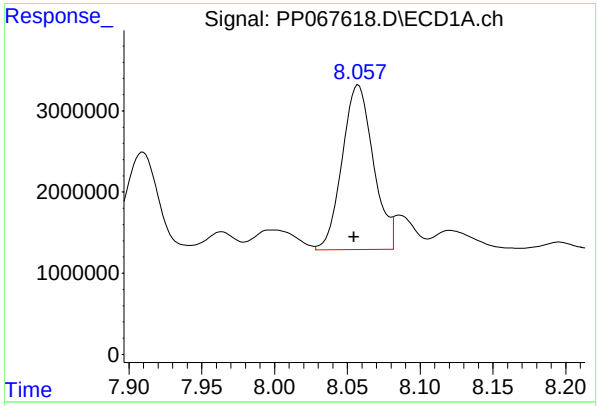

#29 AR-1254-4

R.T.: 7.639 min
Delta R.T.: 0.002 min
Response: 25405512
Conc: 509.08 ng/ml




#29 AR-1254-4

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 24704816
Conc: 511.76 ng/ml m



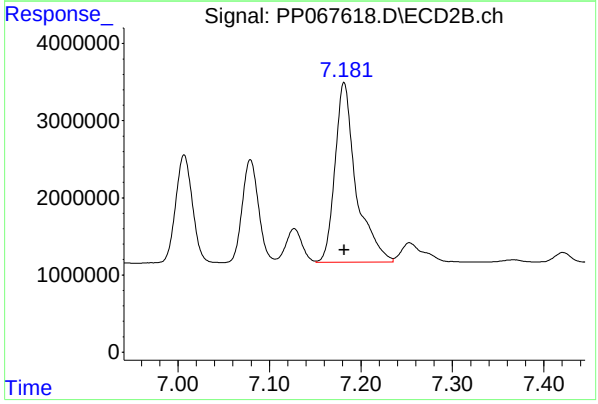

#30 AR-1254-5

R.T.: 8.057 min
Delta R.T.: 0.002 min
Response: 29963770
Conc: 505.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1254

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#30 AR-1254-5

R.T.: 7.182 min
Delta R.T.: 0.000 min
Response: 37426268
Conc: 508.85 ng/ml

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.051 | 48621846 | 52026024 | 52.144 | 51.900 |
| 2) | SA Decachlor... | 10.666 | 9.217 | 98383292 | 95455146 | 50.217 | 49.469 |
| | Target Compounds | | | | | | |
| 41) | L9 AR-1268-1 | 9.044 | 8.007 | 76733240 | 79237054 | 502.842m | 497.855m |
| 42) | L9 AR-1268-2 | 9.145 | 8.072 | 69182573 | 71394410 | 506.478 | 498.613 |
| 43) | L9 AR-1268-3 | 9.396 | 8.292 | 60515330 | 63729520 | 500.466 | 499.802 |
| 44) | L9 AR-1268-4 | 9.842 | 8.598 | 26421113 | 28346402 | 519.897 | 501.919 |
| 45) | L9 AR-1268-5 | 10.294 | 8.926 | 188.0E6 | 188.8E6 | 503.342 | 499.468 |

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067619.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2024 01:07
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 35 Sample Multiplier: 1

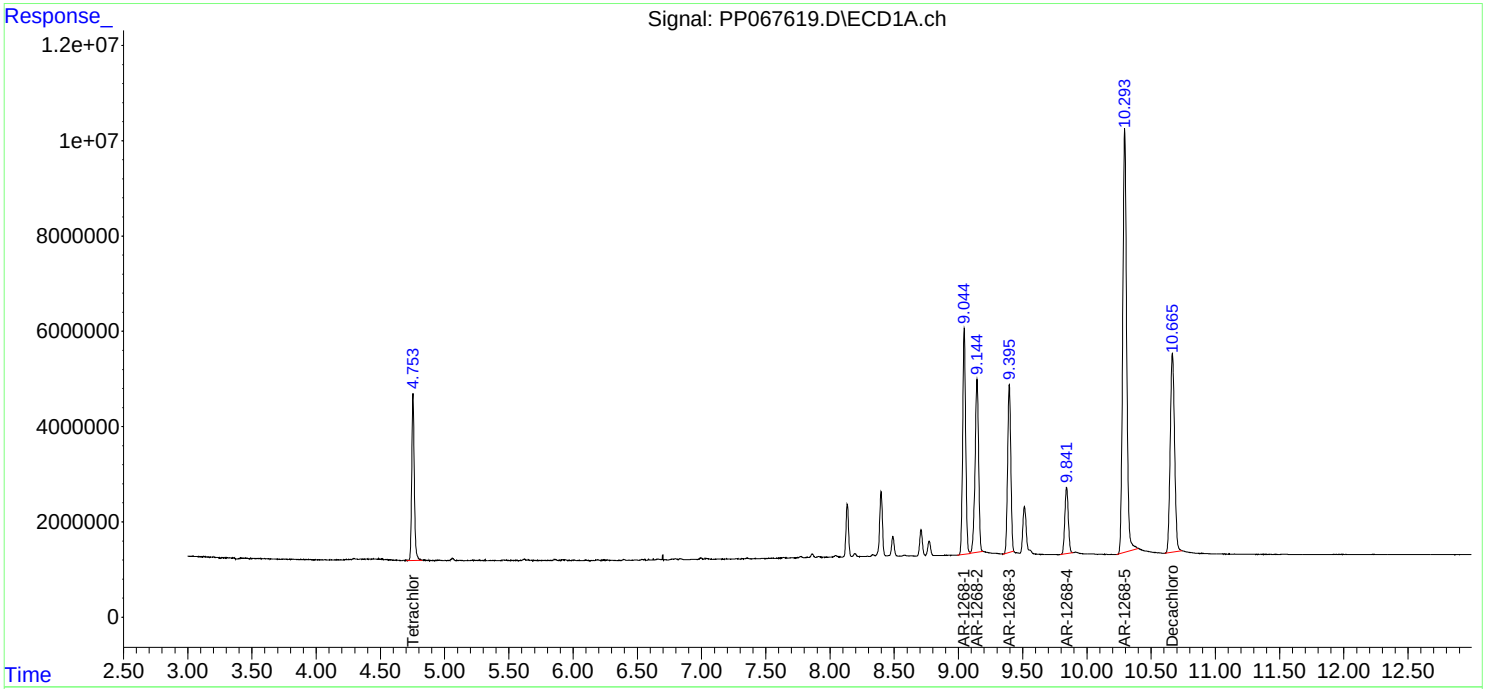
**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

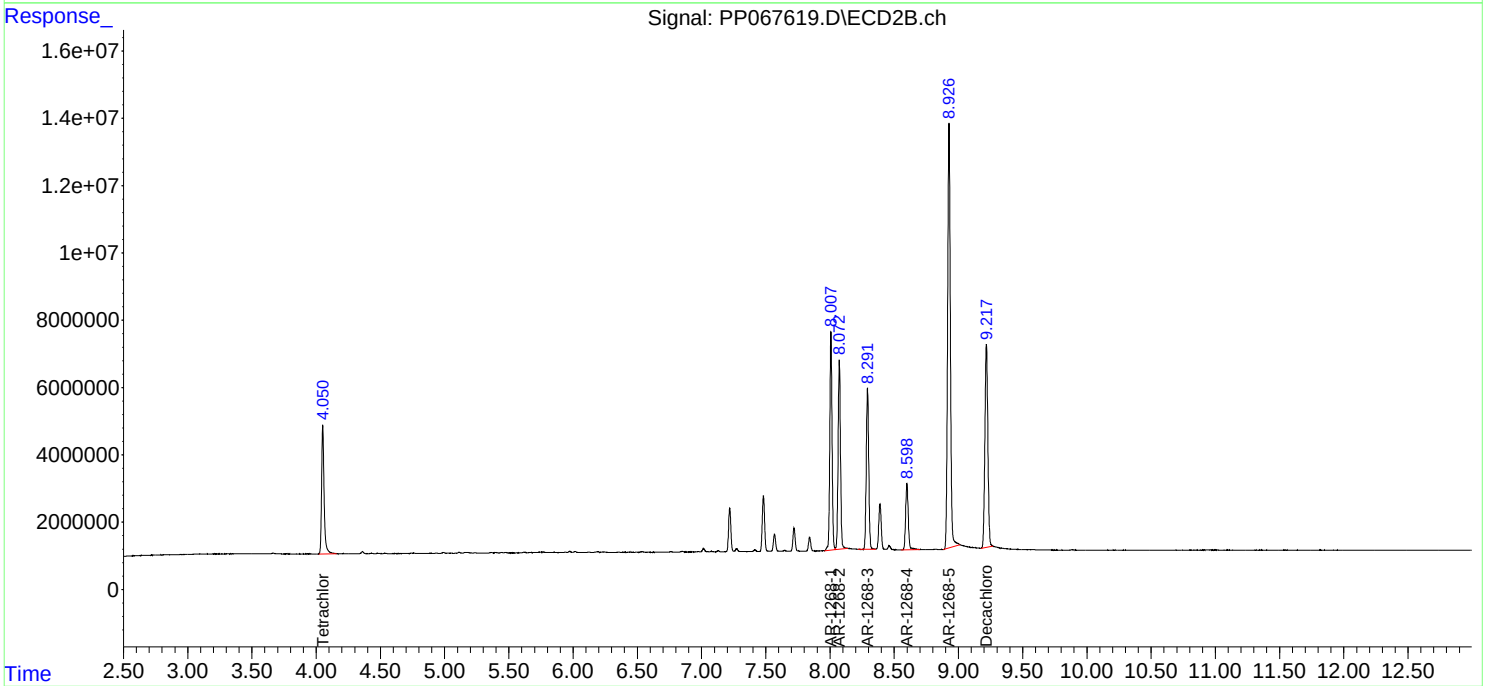
**Manual Integrations APPROVED**

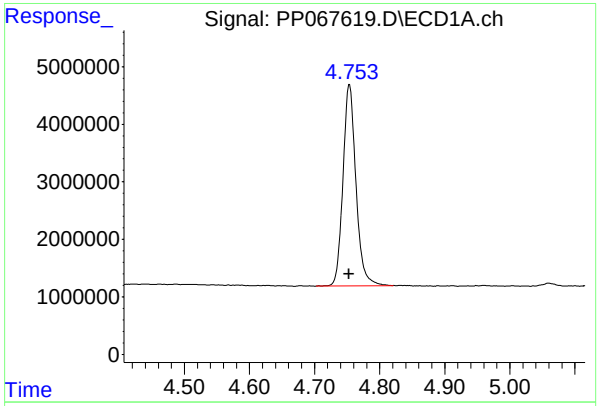
Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:22:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 04:46:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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





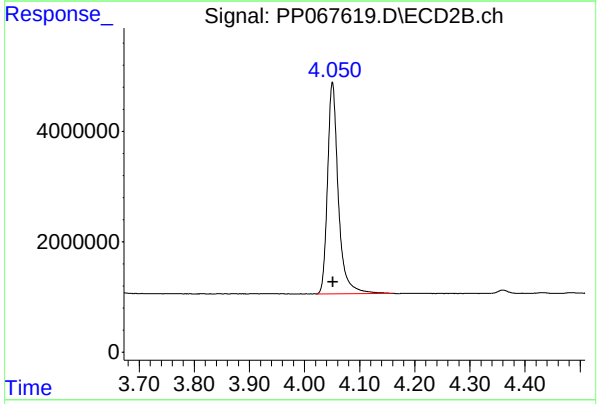

#1 Tetrachloro-m-xylene

R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 48621846
Conc: 52.14 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

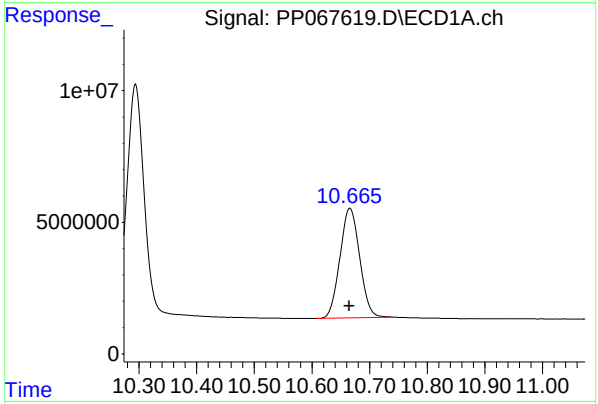
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



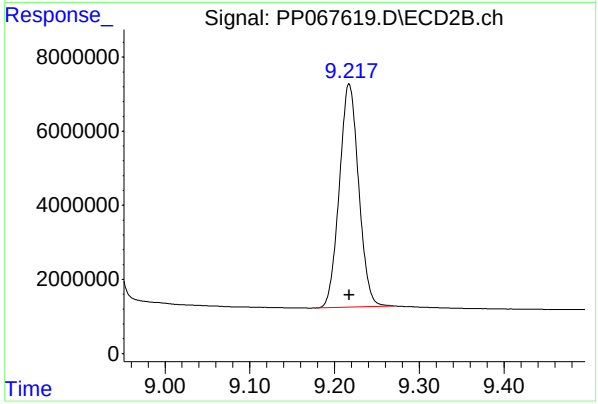

#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 52026024
Conc: 51.90 ng/ml



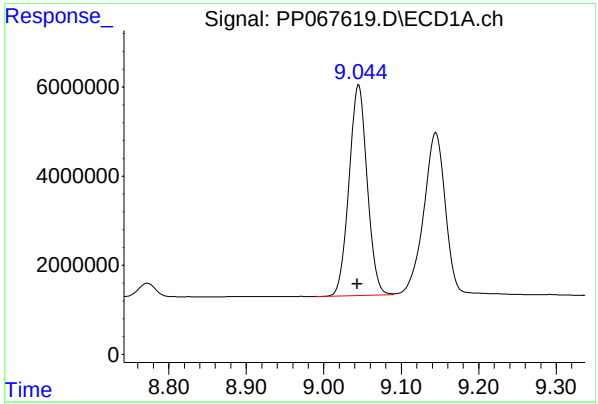

#2 Decachlorobiphenyl

R.T.: 10.666 min
Delta R.T.: 0.000 min
Response: 98383292
Conc: 50.22 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.217 min
Delta R.T.: 0.000 min
Response: 95455146
Conc: 49.47 ng/ml



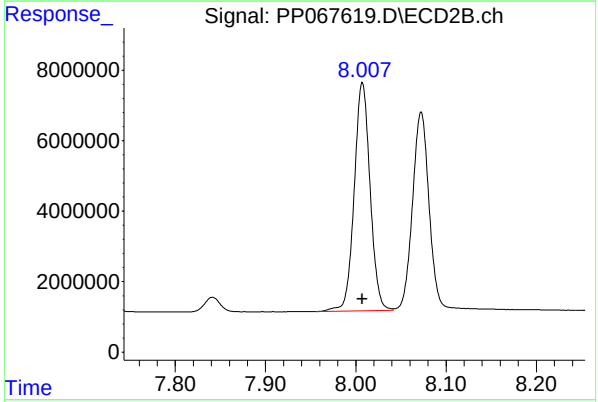

#41 AR-1268-1

R.T.: 9.044 min
Delta R.T.: 0.001 mi
Response: 76733240
Conc: 502.84 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

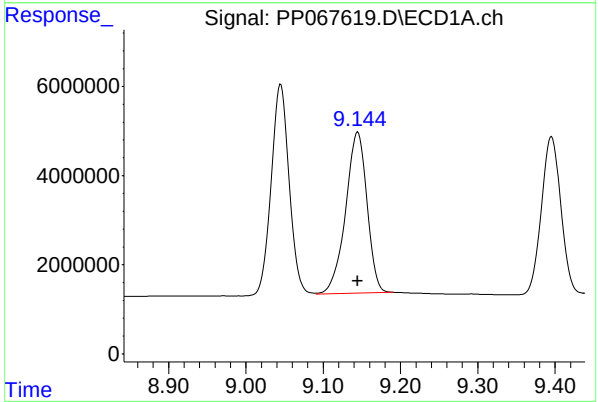
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



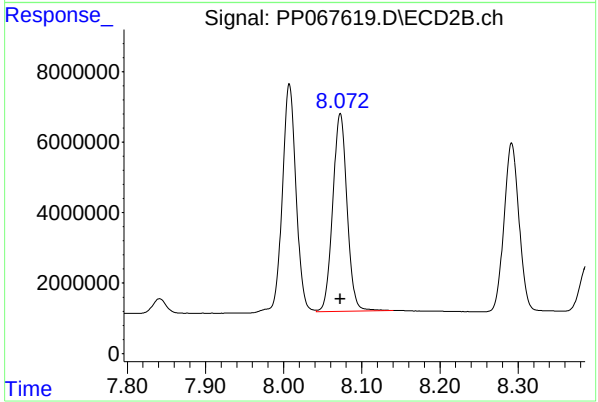

#41 AR-1268-1

R.T.: 8.007 min
Delta R.T.: 0.000 min
Response: 79237054
Conc: 497.86 ng/ml m



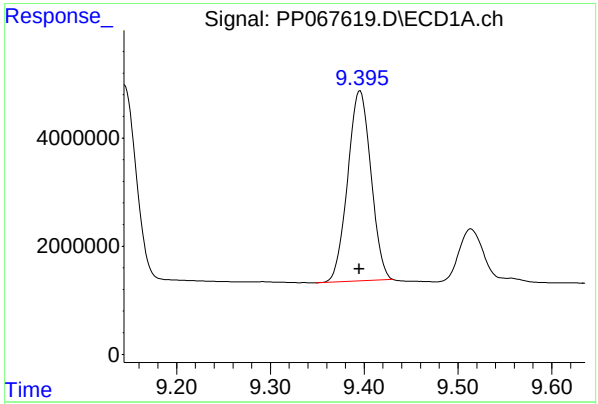

#42 AR-1268-2

R.T.: 9.145 min
Delta R.T.: 0.000 min
Response: 69182573
Conc: 506.48 ng/ml




#42 AR-1268-2

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 71394410
Conc: 498.61 ng/ml



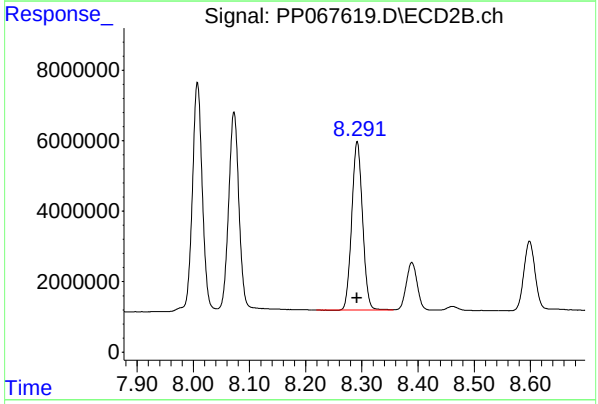

#43 AR-1268-3

R.T.: 9.396 min
Delta R.T.: 0.000 min
Response: 60515330
Conc: 500.47 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

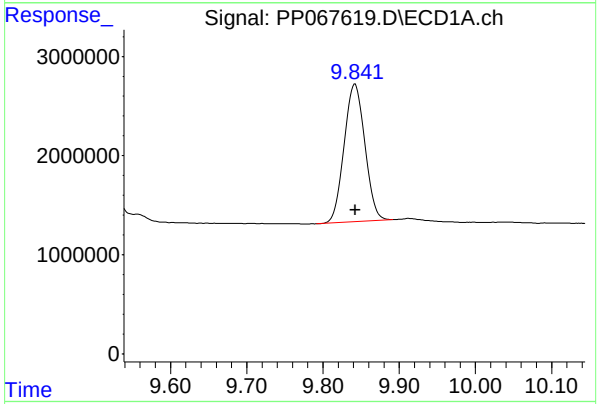
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024



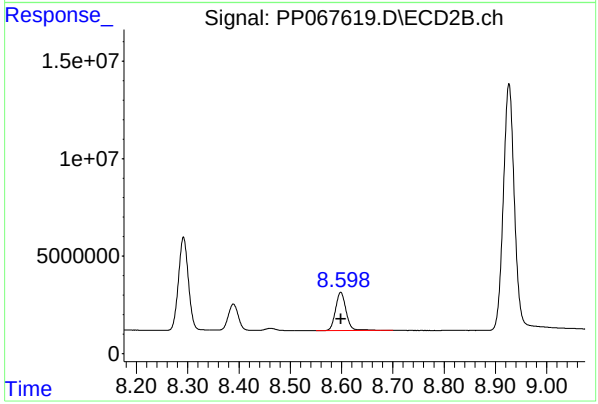

#43 AR-1268-3

R.T.: 8.292 min
Delta R.T.: 0.000 min
Response: 63729520
Conc: 499.80 ng/ml



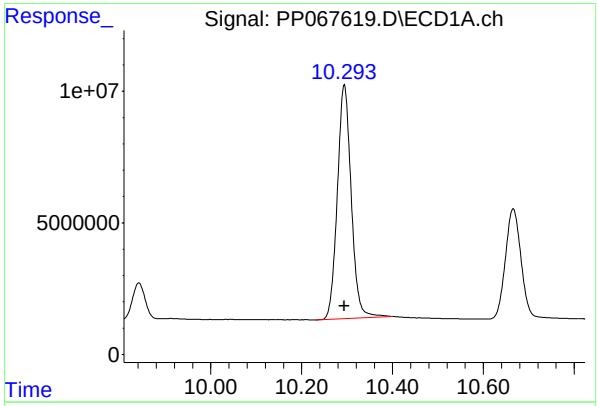

#44 AR-1268-4

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 26421113
Conc: 519.90 ng/ml




#44 AR-1268-4

R.T.: 8.598 min
Delta R.T.: 0.000 min
Response: 28346402
Conc: 501.92 ng/ml



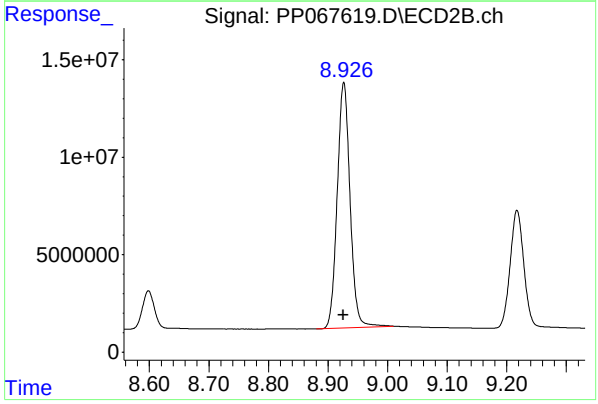

#45 AR-1268-5

R.T.: 10.294 min
Delta R.T.: 0.000 min
Response: 187982622
Conc: 503.34 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
ICVPP100824AR1268

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 10/09/2024
Supervised By :Ankita Jodhani 10/09/2024




#45 AR-1268-5

R.T.: 8.926 min
Delta R.T.: 0.001 min
Response: 188816821
Conc: 499.47 ng/ml

Raw Data: **PO107564.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 17:10 **Initial Calibration Time(s):** 18:27 02:36

**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) | 5.52 | 5.52 | 5.42 | 5.62 | 0.00 |
| Aroclor-1016-2 | (2) | 5.54 | 5.55 | 5.45 | 5.65 | 0.01 |
| Aroclor-1016-3 | (3) | 5.61 | 5.61 | 5.51 | 5.71 | 0.00 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 5.90 | 6.10 | 0.00 |
| Aroclor-1260-1 | (1) | 7.13 | 7.13 | 7.03 | 7.23 | 0.00 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.28 | 7.48 | 0.00 |
| Aroclor-1260-3 | (3) | 7.75 | 7.74 | 7.64 | 7.84 | -0.01 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.87 | 8.07 | 0.00 |
| Aroclor-1260-5 | (5) | 8.28 | 8.28 | 8.18 | 8.38 | 0.00 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Decachlorobiphenyl | | 10.07 | 10.06 | 9.96 | 10.16 | -0.01 |

Raw Data: **PO107564.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 17:10 **Initial Calibration Time(s):** 18:27 02:36

**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) | 4.73 | 4.73 | 4.63 | 4.83 | 0.01 |
| Aroclor-1016-2 | (2) | 4.74 | 4.75 | 4.65 | 4.85 | 0.01 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 6.92 | 7.12 | 0.00 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.65 | 3.65 | 3.55 | 3.75 | 0.01 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.54 | 8.74 | 0.00 |

Raw Data: **PO107564.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107564.D **Time Analyzed:** 17:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.521 | 5.423 | 5.623 | 452.620 | 500.000 | -9.5 |
| Aroclor-1016-2 | 5.544 | 5.445 | 5.645 | 444.440 | 500.000 | -11.1 |
| Aroclor-1016-3 | 5.606 | 5.507 | 5.707 | 429.440 | 500.000 | -14.1 |
| Aroclor-1016-4 | 5.703 | 5.604 | 5.804 | 443.320 | 500.000 | -11.3 |
| Aroclor-1016-5 | 5.998 | 5.899 | 6.099 | 468.170 | 500.000 | -6.4 |
| Aroclor-1260-1 | 7.126 | 7.026 | 7.226 | 532.120 | 500.000 | 6.4 |
| Aroclor-1260-2 | 7.383 | 7.282 | 7.482 | 496.450 | 500.000 | -0.7 |
| Aroclor-1260-3 | 7.746 | 7.643 | 7.843 | 509.430 | 500.000 | 1.9 |
| Aroclor-1260-4 | 7.970 | 7.868 | 8.068 | 502.340 | 500.000 | 0.5 |
| Aroclor-1260-5 | 8.284 | 8.181 | 8.381 | 476.130 | 500.000 | -4.8 |
| Decachlorobiphenyl | 10.067 | 9.958 | 10.158 | 43.470 | 50.000 | -13.1 |
| Tetrachloro-m-xylene | 4.371 | 4.274 | 4.474 | 51.160 | 50.000 | 2.3 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL01 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107564.D **Time Analyzed:** 17:10

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.725 | 4.626 | 4.826 | 516.190 | 500.000 | 3.2 |
| Aroclor-1016-2 | 4.744 | 4.645 | 4.845 | 527.840 | 500.000 | 5.6 |
| Aroclor-1016-3 | 4.920 | 4.821 | 5.021 | 510.100 | 500.000 | 2.0 |
| Aroclor-1016-4 | 4.962 | 4.862 | 5.062 | 472.970 | 500.000 | -5.4 |
| Aroclor-1016-5 | 5.175 | 5.076 | 5.276 | 551.240 | 500.000 | 10.2 |
| Aroclor-1260-1 | 6.205 | 6.107 | 6.307 | 512.570 | 500.000 | 2.5 |
| Aroclor-1260-2 | 6.393 | 6.294 | 6.494 | 527.590 | 500.000 | 5.5 |
| Aroclor-1260-3 | 6.547 | 6.448 | 6.648 | 479.320 | 500.000 | -4.1 |
| Aroclor-1260-4 | 7.018 | 6.918 | 7.118 | 454.610 | 500.000 | -9.1 |
| Aroclor-1260-5 | 7.258 | 7.159 | 7.359 | 470.350 | 500.000 | -5.9 |
| Decachlorobiphenyl | 8.641 | 8.539 | 8.739 | 41.100 | 50.000 | -17.8 |
| Tetrachloro-m-xylene | 3.645 | 3.545 | 3.745 | 51.240 | 50.000 | 2.5 |

Sample Results: **PO107564.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:08:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.645 | 466.3E6 | 164.9E6 | 51.161 | 51.236 |
| 2) | SA Decachlor... | 10.067 | 8.641 | 106.7E6 | 112.7E6 | 43.472 | 41.100 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.521 | 4.725 | 122.1E6 | 53304393 | 452.622 | 516.187 |
| 4) | L1 AR-1016-2 | 5.544 | 4.744 | 176.4E6 | 74408936 | 444.442 | 527.844 |
| 5) | L1 AR-1016-3 | 5.606 | 4.920 | 107.9E6 | 40168348 | 429.436 | 510.102 |
| 6) | L1 AR-1016-4 | 5.703 | 4.962 | 85388022 | 31267418 | 443.316 | 472.972 |
| 7) | L1 AR-1016-5 | 5.998 | 5.175 | 85512524 | 45275557 | 468.168 | 551.241 |
| 31) | L7 AR-1260-1 | 7.126 | 6.205 | 137.6E6 | 79526848 | 532.115 | 512.565m |
| 32) | L7 AR-1260-2 | 7.383 | 6.393 | 130.7E6 | 92915980 | 496.455 | 527.585m |
| 33) | L7 AR-1260-3 | 7.746 | 6.547 | 91567172 | 80405693 | 509.428 | 479.324 |
| 34) | L7 AR-1260-4 | 7.970 | 7.018 | 88162360 | 65773546 | 502.339 | 454.612 |
| 35) | L7 AR-1260-5 | 8.284 | 7.258 | 135.4E6 | 155.0E6 | 476.135 | 470.354 |

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

Sample Results: **PO107564.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 17:10
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

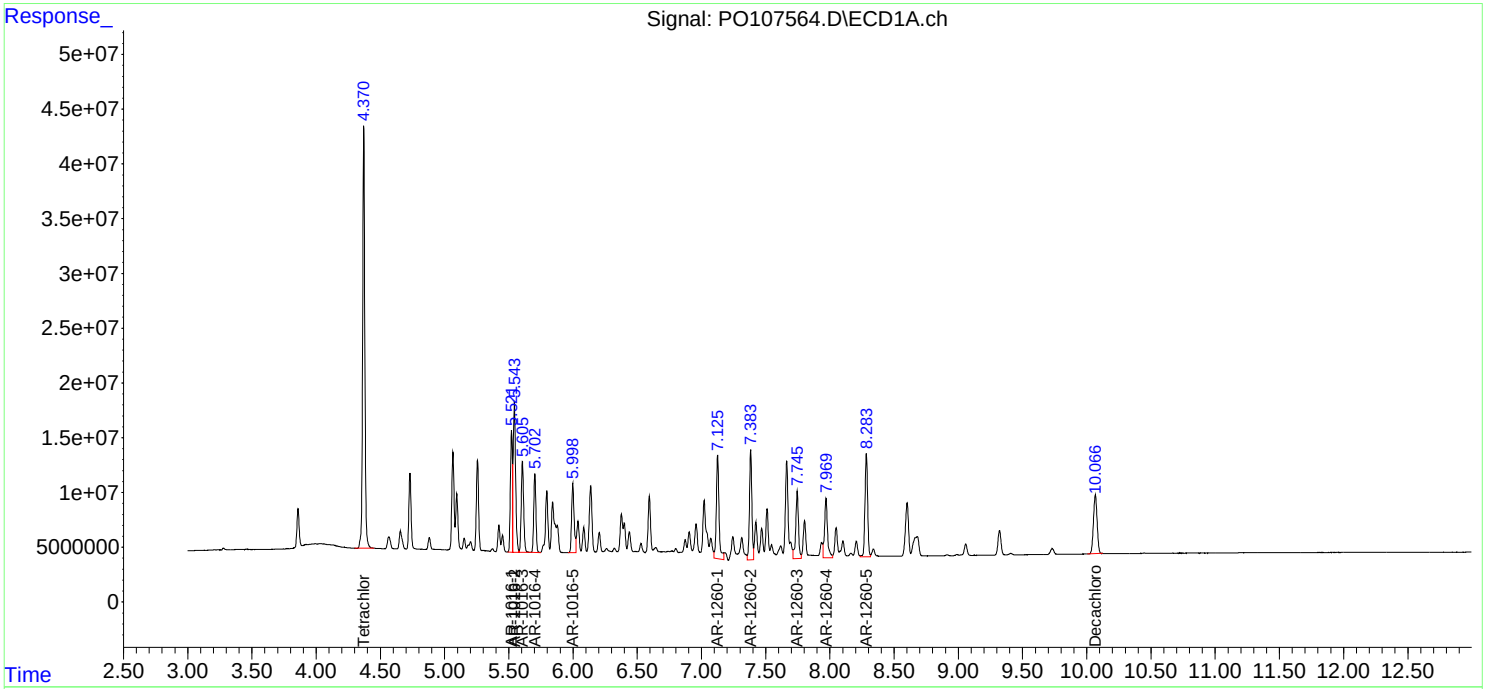
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

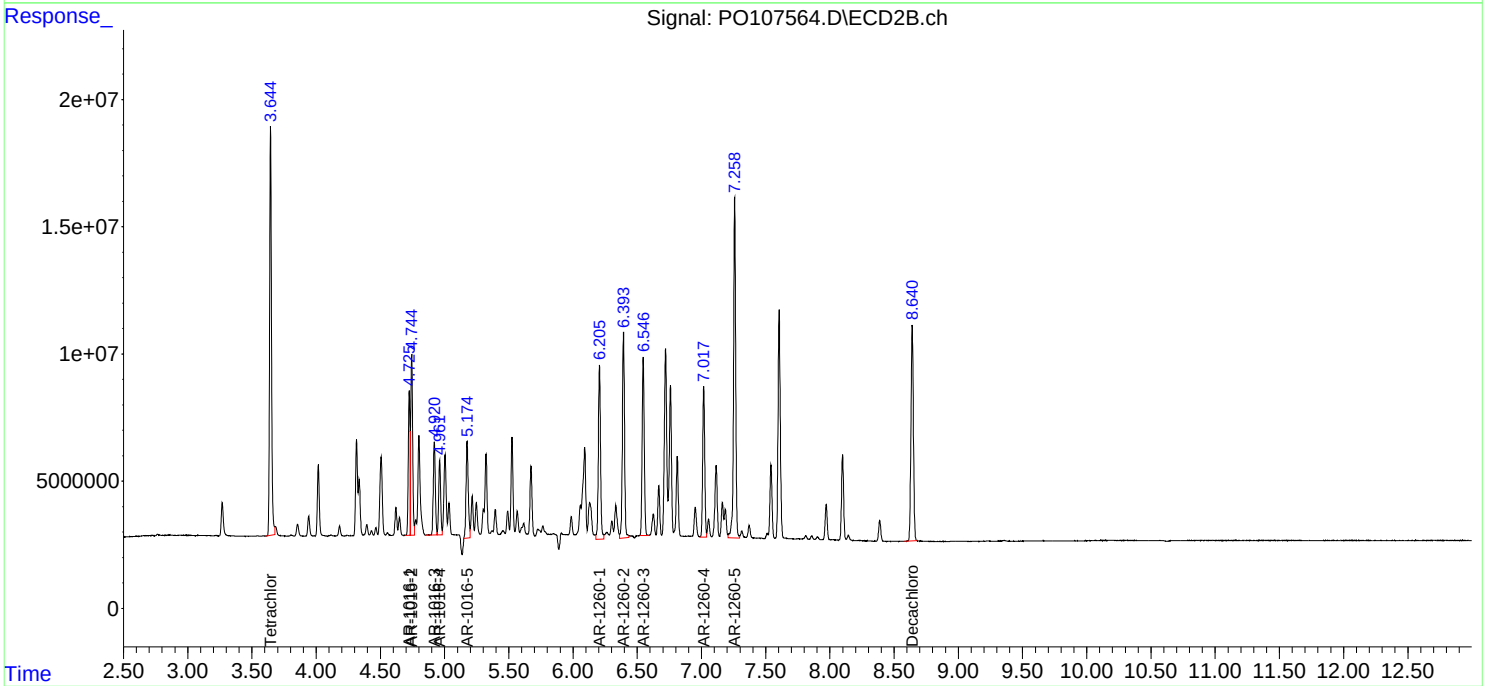
**Manual Integrations APPROVED**

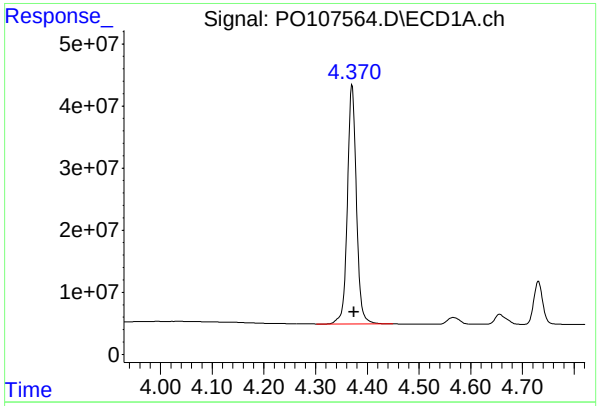
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:08:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





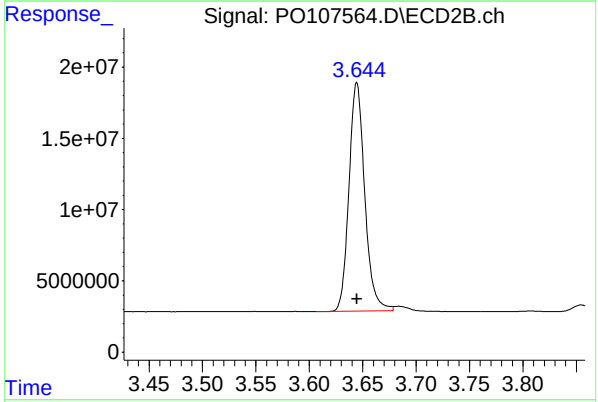

#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 466280097
Conc: 51.16 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

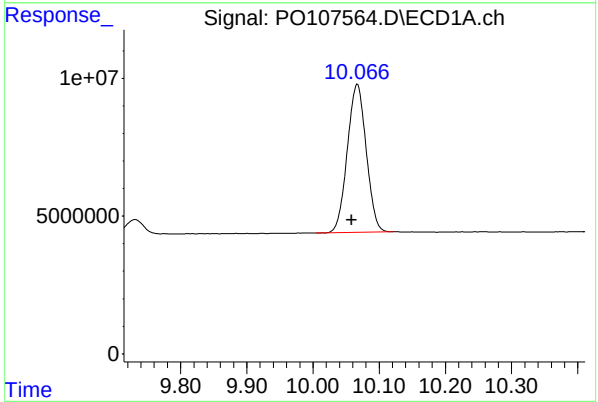
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



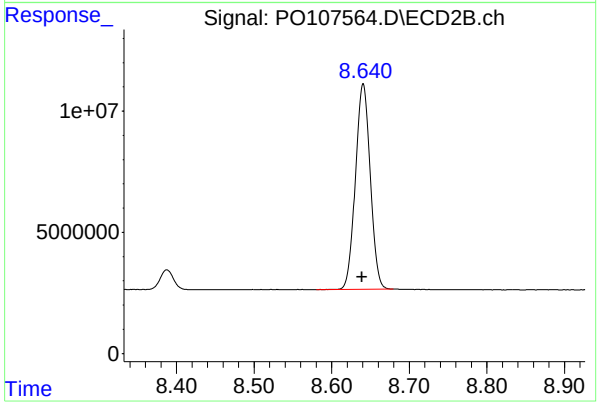

#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: 0.000 min
Response: 164901291
Conc: 51.24 ng/ml



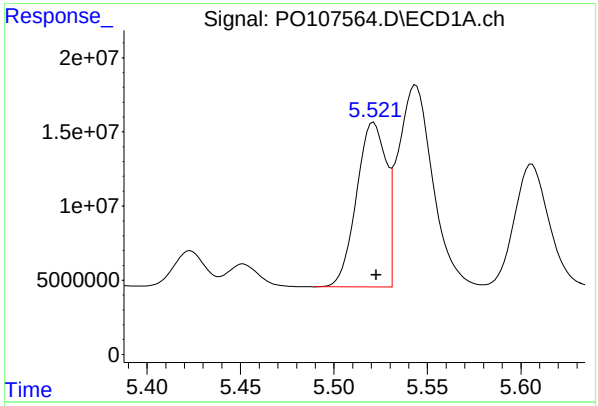

#2 Decachlorobiphenyl

R.T.: 10.067 min
Delta R.T.: 0.009 min
Response: 106653613
Conc: 43.47 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.002 min
Response: 112679153
Conc: 41.10 ng/ml



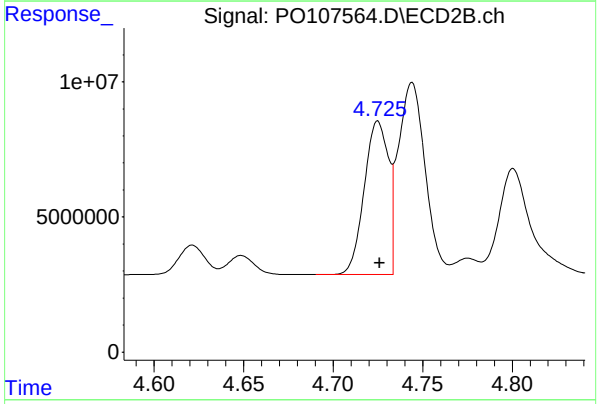

#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.001 min
Response: 122123940
Conc: 452.62 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

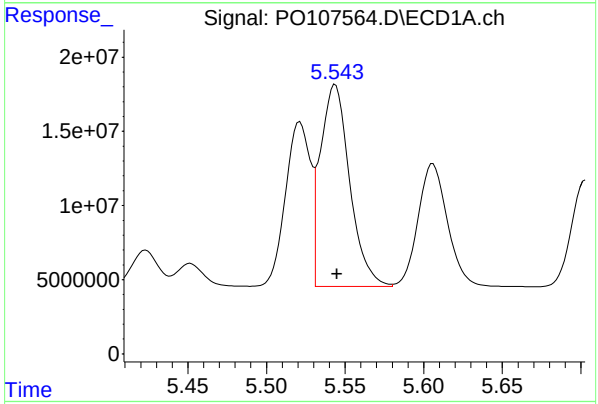
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



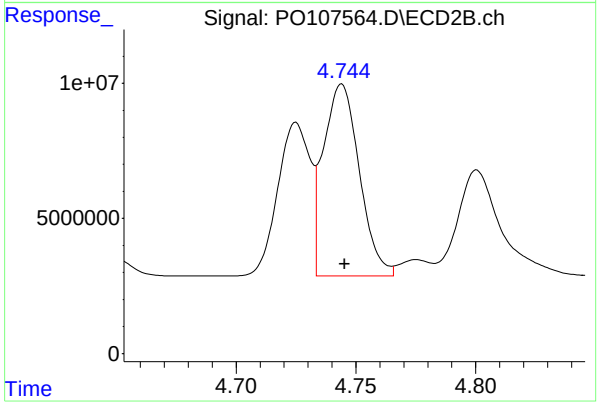

#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 53304393
Conc: 516.19 ng/ml



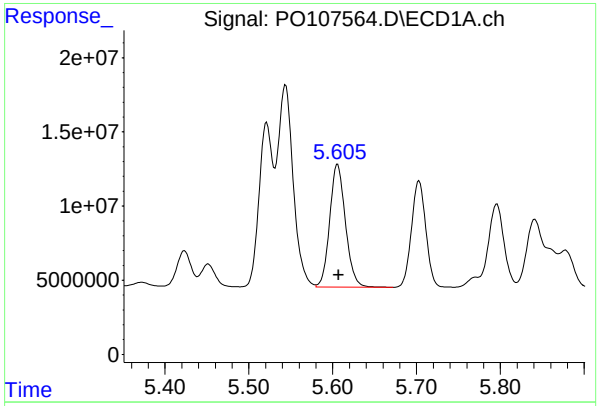

#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 176392436
Conc: 444.44 ng/ml




#4 AR-1016-2

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 74408936
Conc: 527.84 ng/ml



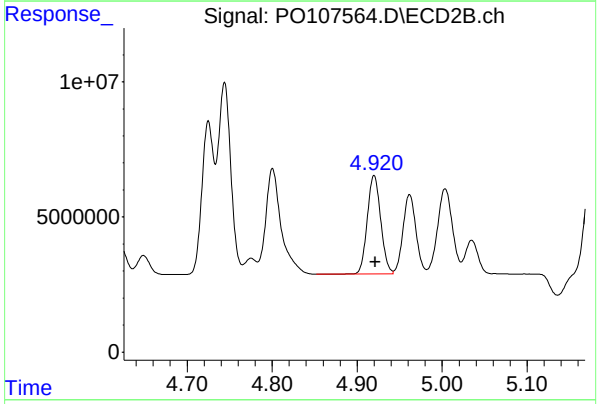

#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.002 min
Response: 107861142
Conc: 429.44 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

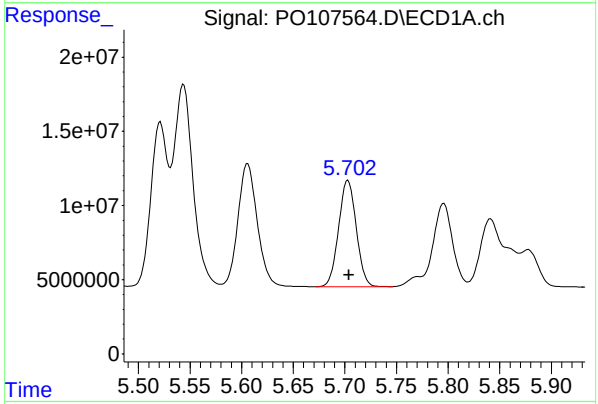
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



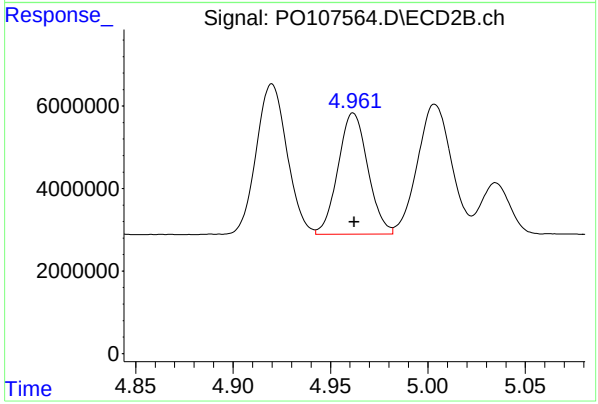

#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.001 min
Response: 40168348
Conc: 510.10 ng/ml



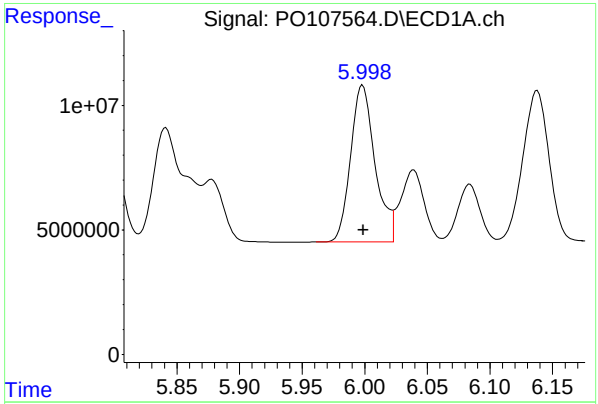

#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 85388022
Conc: 443.32 ng/ml




#6 AR-1016-4

R.T.: 4.962 min
Delta R.T.: 0.000 min
Response: 31267418
Conc: 472.97 ng/ml



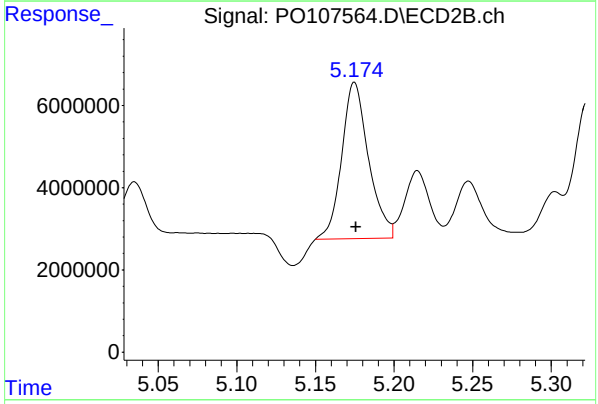

#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: 0.000 mi
Response: 85512524
Conc: 468.17 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

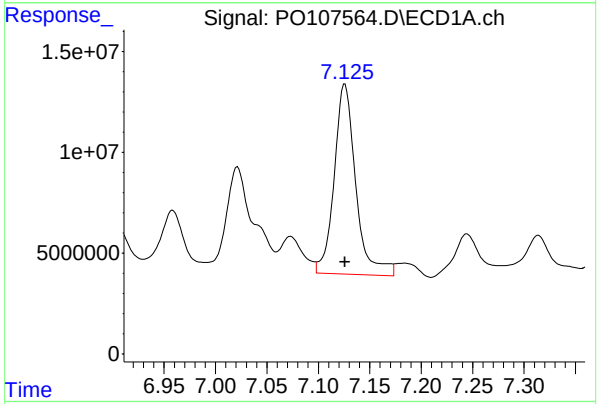
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



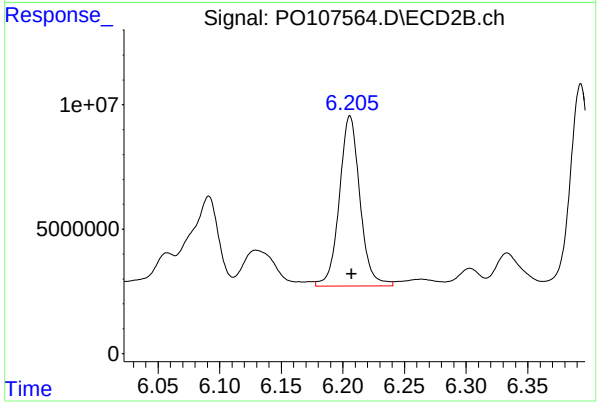

#7 AR-1016-5

R.T.: 5.175 min
Delta R.T.: -0.001 min
Response: 45275557
Conc: 551.24 ng/ml



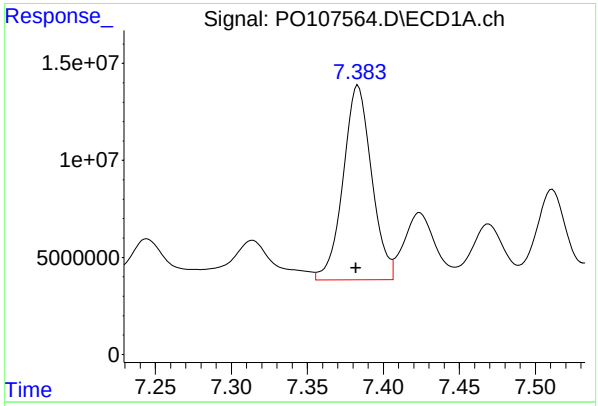

#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 137598932
Conc: 532.12 ng/ml




#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 79526848
Conc: 512.57 ng/ml m



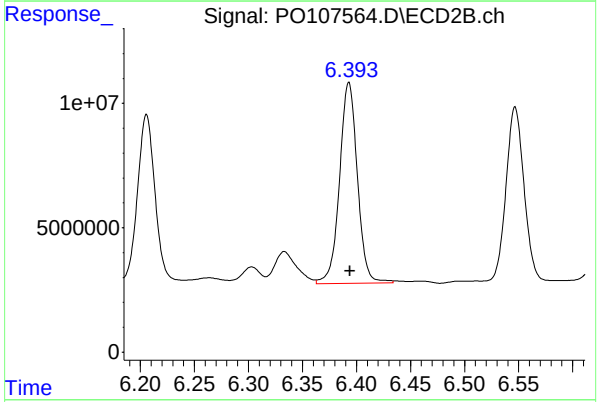

#32 AR-1260-2

R.T.: 7.383 min
Delta R.T.: 0.001 mi
Response: 130676824
Conc: 496.45 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

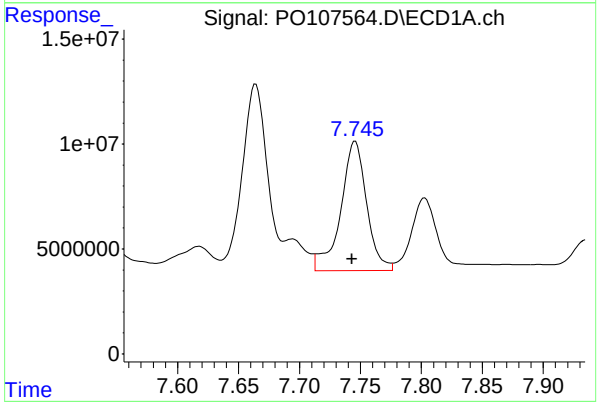
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



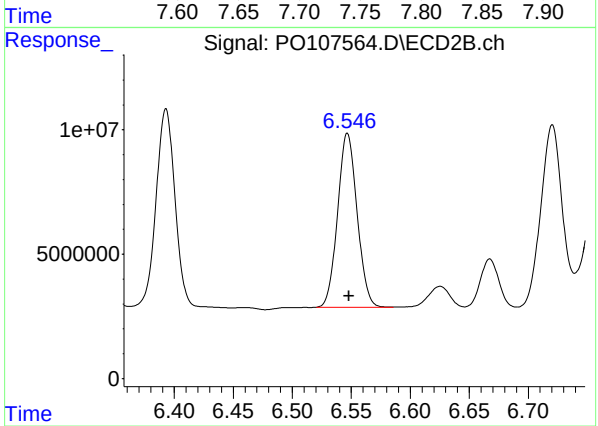

#32 AR-1260-2

R.T.: 6.393 min
Delta R.T.: -0.001 min
Response: 92915980
Conc: 527.59 ng/ml m



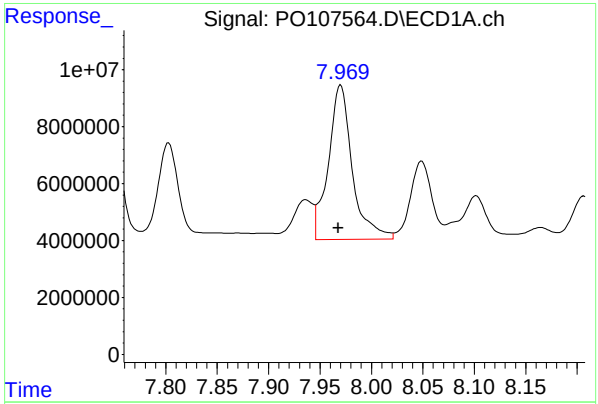

#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 91567172
Conc: 509.43 ng/ml




#33 AR-1260-3

R.T.: 6.547 min
Delta R.T.: -0.001 min
Response: 80405693
Conc: 479.32 ng/ml



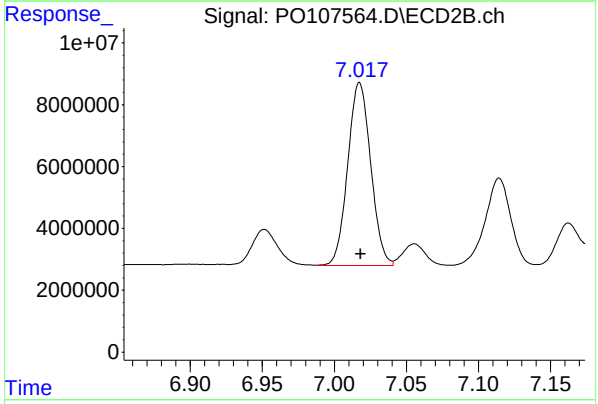

#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 88162360
Conc: 502.34 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

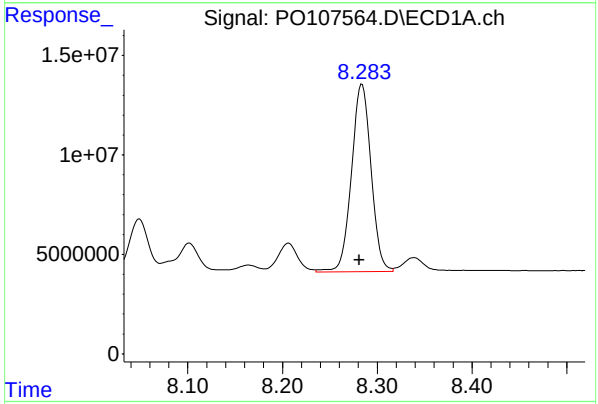
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



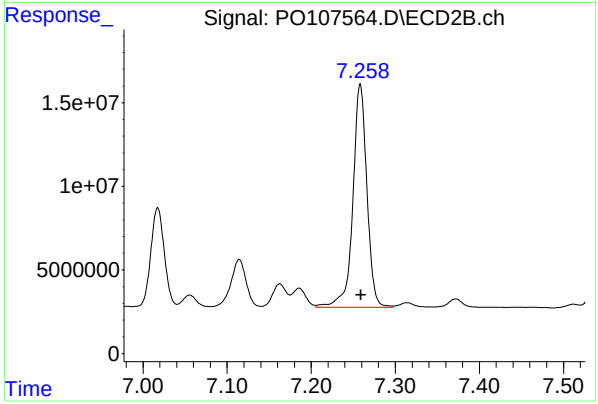

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 65773546
Conc: 454.61 ng/ml




#35 AR-1260-5

R.T.: 8.284 min
Delta R.T.: 0.003 min
Response: 135409766
Conc: 476.13 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 154953843
Conc: 470.35 ng/ml

Raw Data: **PO107576.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 20:55 **Initial Calibration Time(s):** 18:27 02:36

**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) | 5.52 | 5.52 | 5.42 | 5.62 | 0.00 |
| Aroclor-1016-2 | (2) | 5.55 | 5.55 | 5.45 | 5.65 | 0.00 |
| Aroclor-1016-3 | (3) | 5.61 | 5.61 | 5.51 | 5.71 | 0.00 |
| Aroclor-1016-4 | (4) | 5.70 | 5.70 | 5.60 | 5.80 | 0.00 |
| Aroclor-1016-5 | (5) | 6.00 | 6.00 | 5.90 | 6.10 | 0.00 |
| Aroclor-1260-1 | (1) | 7.13 | 7.13 | 7.03 | 7.23 | 0.00 |
| Aroclor-1260-2 | (2) | 7.38 | 7.38 | 7.28 | 7.48 | 0.00 |
| Aroclor-1260-3 | (3) | 7.75 | 7.74 | 7.64 | 7.84 | -0.01 |
| Aroclor-1260-4 | (4) | 7.97 | 7.97 | 7.87 | 8.07 | 0.00 |
| Aroclor-1260-5 | (5) | 8.29 | 8.28 | 8.18 | 8.38 | 0.00 |
| Tetrachloro-m-xylene | | 4.37 | 4.37 | 4.27 | 4.47 | 0.00 |
| Decachlorobiphenyl | | 10.07 | 10.06 | 9.96 | 10.16 | -0.01 |

Raw Data: **PO107576.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

**Continuing Calib Time:** 20:55 **Initial Calibration Time(s):** 18:27 02:36

**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) | 4.73 | 4.73 | 4.63 | 4.83 | 0.01 |
| Aroclor-1016-2 | (2) | 4.74 | 4.75 | 4.65 | 4.85 | 0.01 |
| Aroclor-1016-3 | (3) | 4.92 | 4.92 | 4.82 | 5.02 | 0.00 |
| Aroclor-1016-4 | (4) | 4.96 | 4.96 | 4.86 | 5.06 | 0.00 |
| Aroclor-1016-5 | (5) | 5.17 | 5.18 | 5.08 | 5.28 | 0.01 |
| Aroclor-1260-1 | (1) | 6.21 | 6.21 | 6.11 | 6.31 | 0.01 |
| Aroclor-1260-2 | (2) | 6.39 | 6.39 | 6.29 | 6.49 | 0.00 |
| Aroclor-1260-3 | (3) | 6.55 | 6.55 | 6.45 | 6.65 | 0.00 |
| Aroclor-1260-4 | (4) | 7.02 | 7.02 | 6.92 | 7.12 | 0.00 |
| Aroclor-1260-5 | (5) | 7.26 | 7.26 | 7.16 | 7.36 | 0.00 |
| Tetrachloro-m-xylene | | 3.64 | 3.65 | 3.55 | 3.75 | 0.01 |
| Decachlorobiphenyl | | 8.64 | 8.64 | 8.54 | 8.74 | 0.00 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107576.D **Time Analyzed:** 20:55

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.522 | 5.423 | 5.623 | 516.630 | 500.000 | 3.3 |
| Aroclor-1016-2 | 5.545 | 5.445 | 5.645 | 501.620 | 500.000 | 0.3 |
| Aroclor-1016-3 | 5.607 | 5.507 | 5.707 | 502.840 | 500.000 | 0.6 |
| Aroclor-1016-4 | 5.704 | 5.604 | 5.804 | 521.720 | 500.000 | 4.3 |
| Aroclor-1016-5 | 5.999 | 5.899 | 6.099 | 530.540 | 500.000 | 6.1 |
| Aroclor-1260-1 | 7.126 | 7.026 | 7.226 | 492.210 | 500.000 | -1.6 |
| Aroclor-1260-2 | 7.384 | 7.282 | 7.482 | 502.650 | 500.000 | 0.5 |
| Aroclor-1260-3 | 7.746 | 7.643 | 7.843 | 517.710 | 500.000 | 3.5 |
| Aroclor-1260-4 | 7.970 | 7.868 | 8.068 | 510.880 | 500.000 | 2.2 |
| Aroclor-1260-5 | 8.285 | 8.181 | 8.381 | 533.790 | 500.000 | 6.8 |
| Decachlorobiphenyl | 10.068 | 9.958 | 10.158 | 45.800 | 50.000 | -8.4 |
| Tetrachloro-m-xylene | 4.371 | 4.274 | 4.474 | 51.830 | 50.000 | 3.7 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

**Client Sample No.:** CCAL02 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PO107576.D **Time Analyzed:** 20:55

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 4.725 | 4.626 | 4.826 | 513.890 | 500.000 | 2.8 |
| Aroclor-1016-2 | 4.743 | 4.645 | 4.845 | 524.040 | 500.000 | 4.8 |
| Aroclor-1016-3 | 4.920 | 4.821 | 5.021 | 507.240 | 500.000 | 1.4 |
| Aroclor-1016-4 | 4.961 | 4.862 | 5.062 | 470.080 | 500.000 | -6.0 |
| Aroclor-1016-5 | 5.174 | 5.076 | 5.276 | 537.820 | 500.000 | 7.6 |
| Aroclor-1260-1 | 6.205 | 6.107 | 6.307 | 504.210 | 500.000 | 0.8 |
| Aroclor-1260-2 | 6.392 | 6.294 | 6.494 | 543.000 | 500.000 | 8.6 |
| Aroclor-1260-3 | 6.546 | 6.448 | 6.648 | 510.980 | 500.000 | 2.2 |
| Aroclor-1260-4 | 7.018 | 6.918 | 7.118 | 512.450 | 500.000 | 2.5 |
| Aroclor-1260-5 | 7.258 | 7.159 | 7.359 | 542.060 | 500.000 | 8.4 |
| Decachlorobiphenyl | 8.641 | 8.539 | 8.739 | 47.940 | 50.000 | -4.1 |
| Tetrachloro-m-xylene | 3.643 | 3.545 | 3.745 | 51.350 | 50.000 | 2.7 |

Quantitation Report (QT Reviewed)

Sample Results: **PO107576.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.643 | 472.3E6 | 165.3E6 | 51.825 | 51.351 |
| 2) | SA Decachlor... | 10.068 | 8.641 | 112.4E6 | 131.4E6 | 45.801 | 47.943 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.522 | 4.725 | 139.4E6 | 53067706 | 516.629 | 513.895 |
| 4) | L1 AR-1016-2 | 5.545 | 4.743 | 199.1E6 | 73872208 | 501.617 | 524.036 |
| 5) | L1 AR-1016-3 | 5.607 | 4.920 | 126.3E6 | 39943086 | 502.835 | 507.242 |
| 6) | L1 AR-1016-4 | 5.704 | 4.961 | 100.5E6 | 31076396 | 521.717 | 470.083 |
| 7) | L1 AR-1016-5 | 5.999 | 5.174 | 96905617 | 44173317 | 530.543 | 537.821 |
| 31) | L7 AR-1260-1 | 7.126 | 6.205 | 127.3E6 | 78231058 | 492.209m | 504.214m |
| 32) | L7 AR-1260-2 | 7.384 | 6.392 | 132.3E6 | 95630422 | 502.651m | 542.998m |
| 33) | L7 AR-1260-3 | 7.746 | 6.546 | 93056706 | 85716245 | 517.715m | 510.982 |
| 34) | L7 AR-1260-4 | 7.970 | 7.018 | 89661217 | 74141240 | 510.879m | 512.447 |
| 35) | L7 AR-1260-5 | 8.285 | 7.258 | 151.8E6 | 178.6E6 | 533.787 | 542.059 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:55
Operator : YP/AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

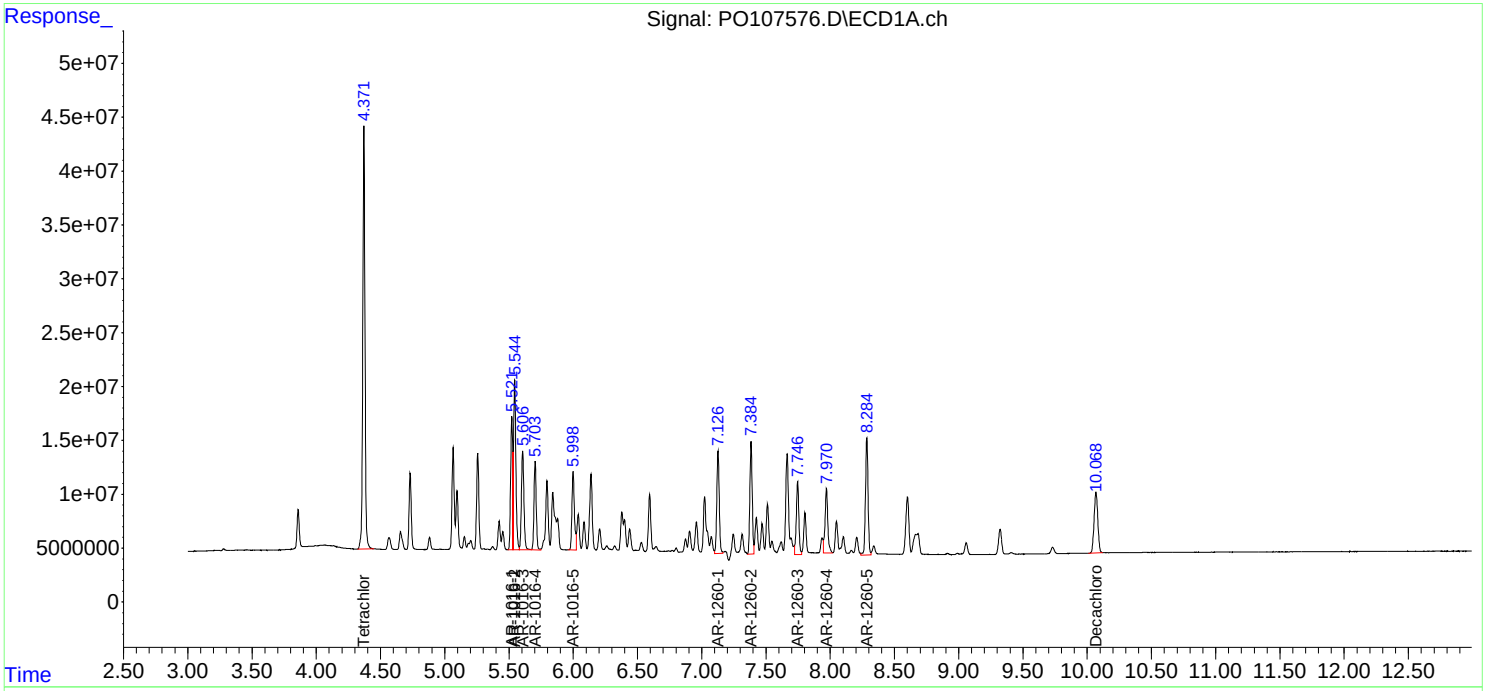
**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

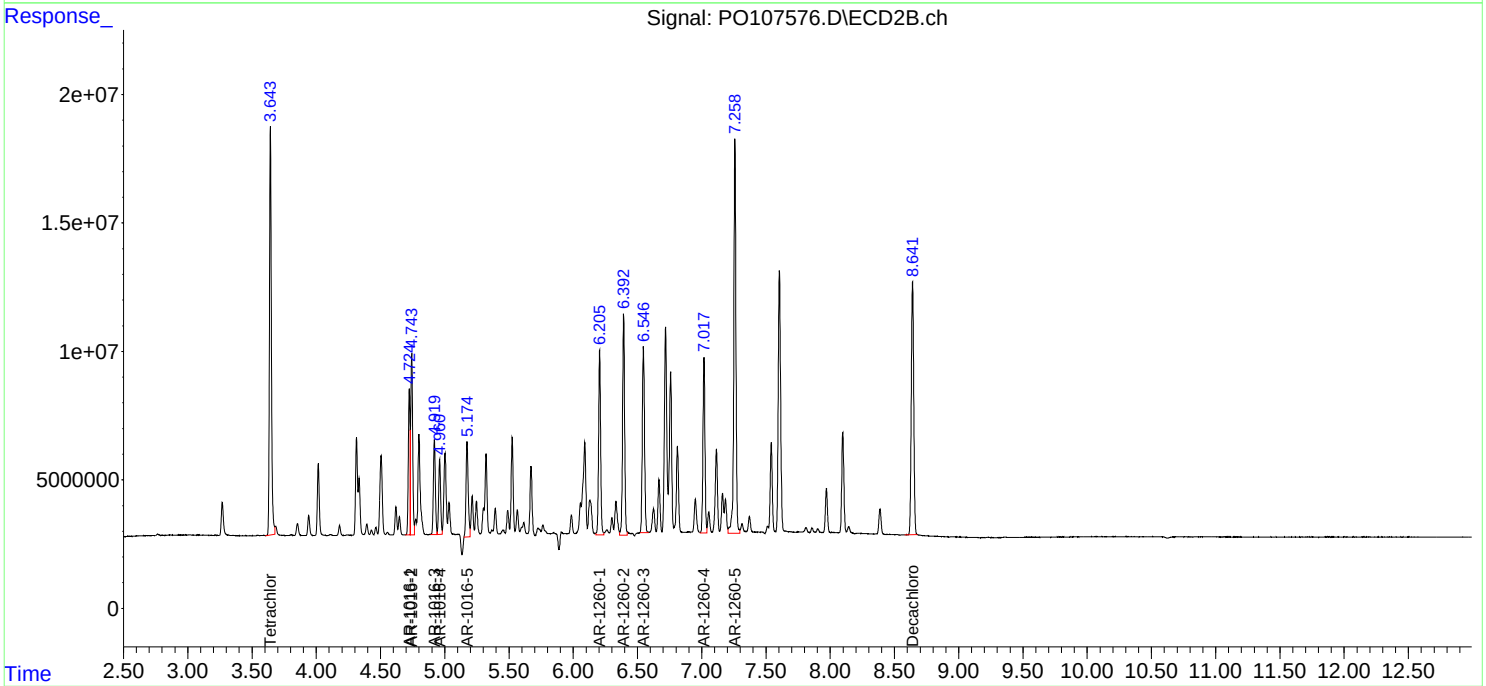
**Manual Integrations APPROVED**

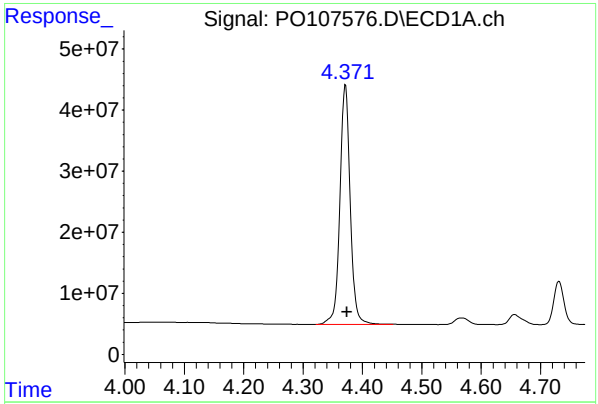
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:15:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





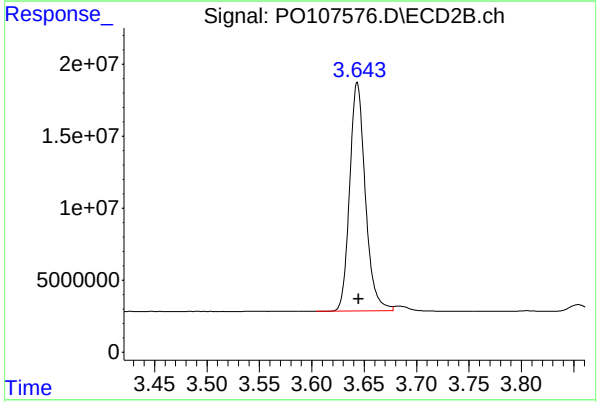

#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 472328566
Conc: 51.83 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

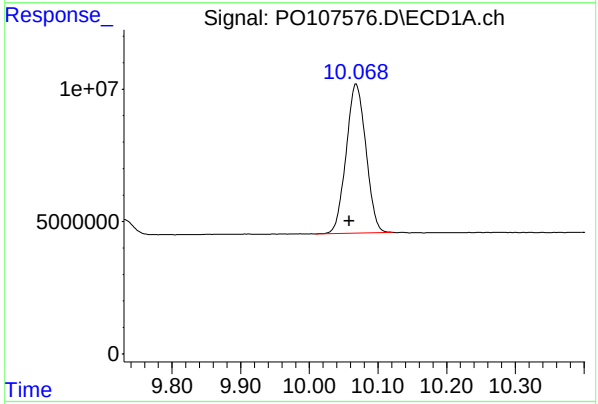
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



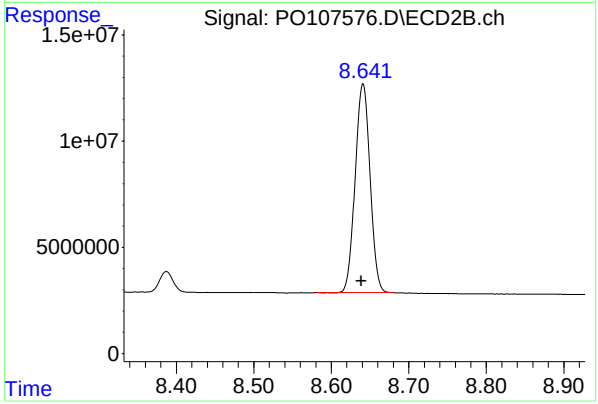

#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 165272154
Conc: 51.35 ng/ml



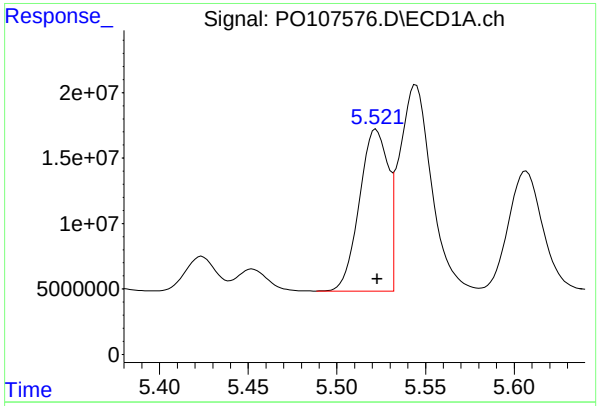

#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.010 min
Response: 112368130
Conc: 45.80 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.641 min
Delta R.T.: 0.002 min
Response: 131439747
Conc: 47.94 ng/ml



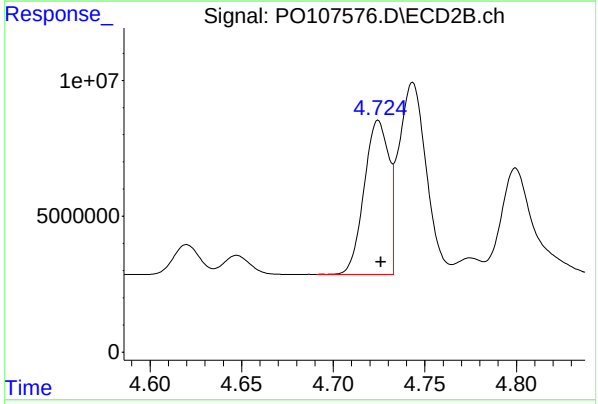

#3 AR-1016-1

R.T.: 5.522 min
Delta R.T.: 0.000 min
Response: 139393878
Conc: 516.63 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

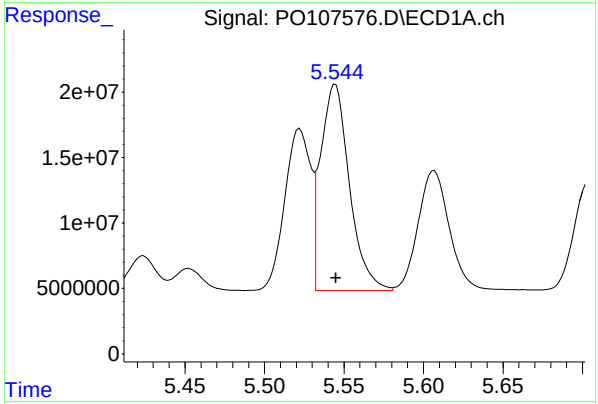
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



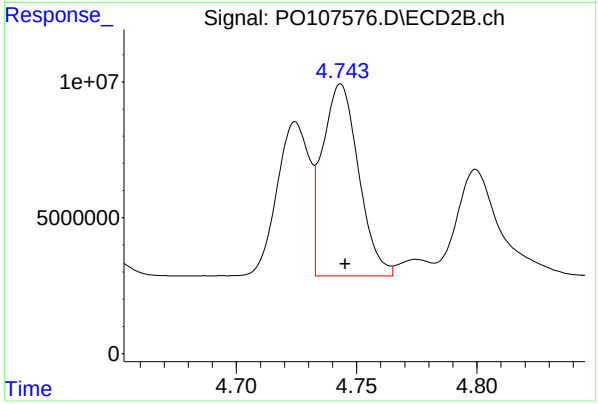

#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.002 min
Response: 53067706
Conc: 513.89 ng/ml



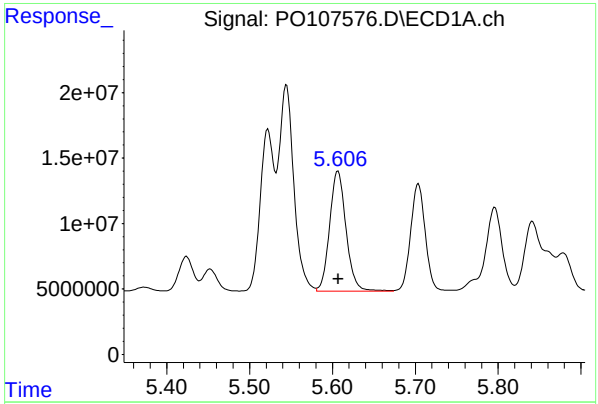

#4 AR-1016-2

R.T.: 5.545 min
Delta R.T.: 0.000 min
Response: 199084362
Conc: 501.62 ng/ml




#4 AR-1016-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 73872208
Conc: 524.04 ng/ml



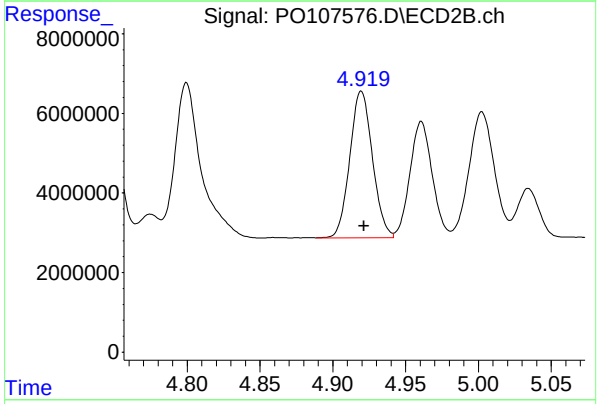

#5 AR-1016-3

R.T.: 5.607 min
Delta R.T.: 0.000 min
Response: 126296894
Conc: 502.84 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

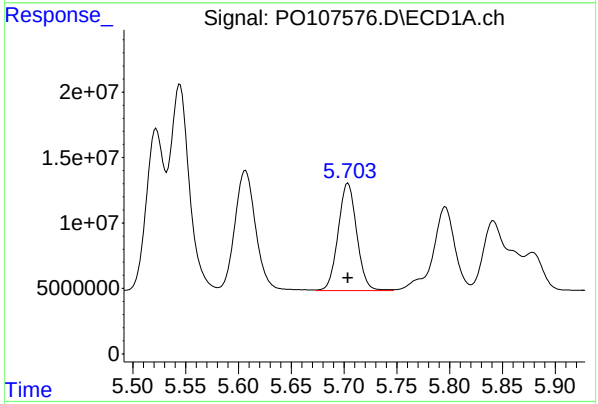
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



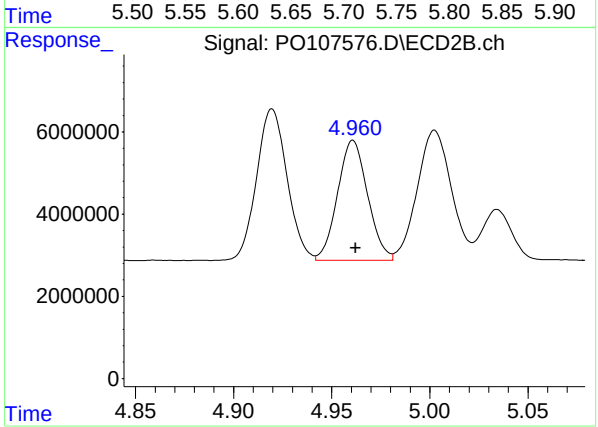

#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 39943086
Conc: 507.24 ng/ml



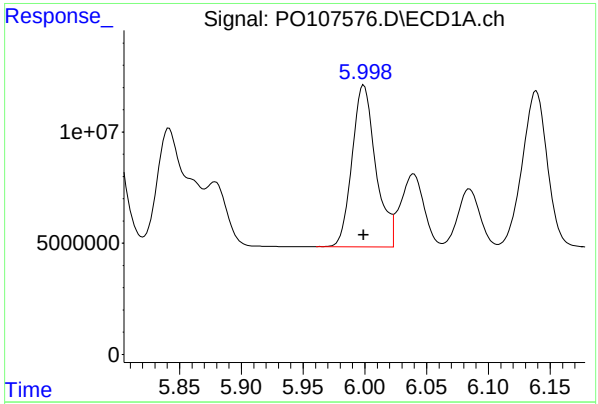

#6 AR-1016-4

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 100489000
Conc: 521.72 ng/ml




#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.001 min
Response: 31076396
Conc: 470.08 ng/ml



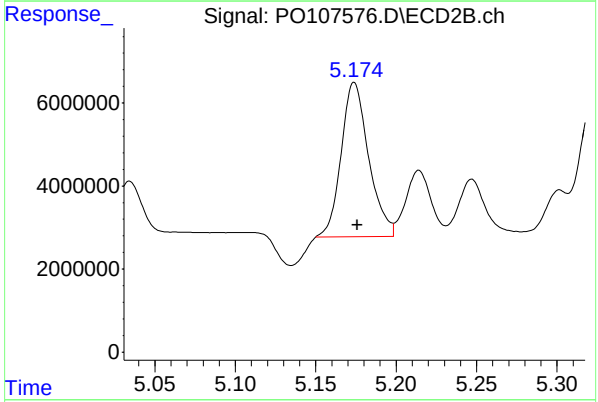

#7 AR-1016-5

R.T.: 5.999 min
Delta R.T.: 0.000 mi
Response: 96905617
Conc: 530.54 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

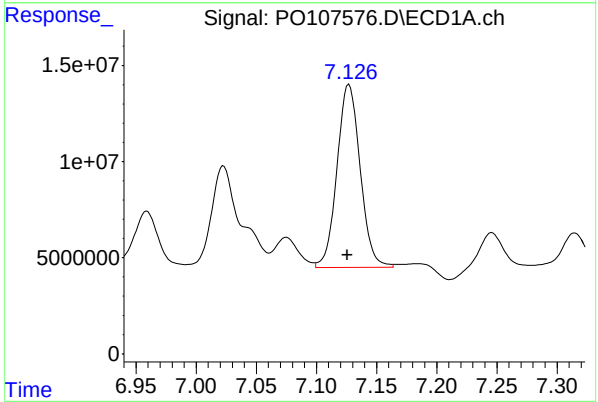
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



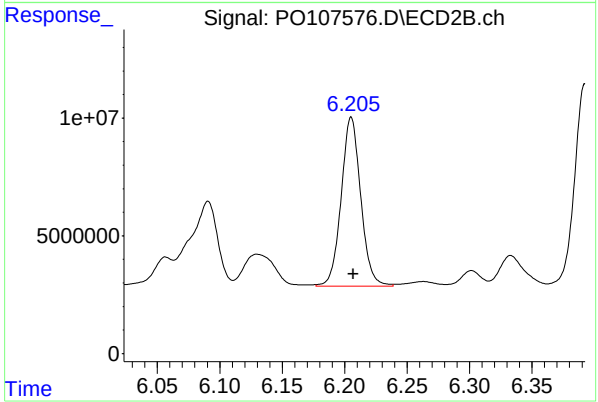

#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44173317
Conc: 537.82 ng/ml



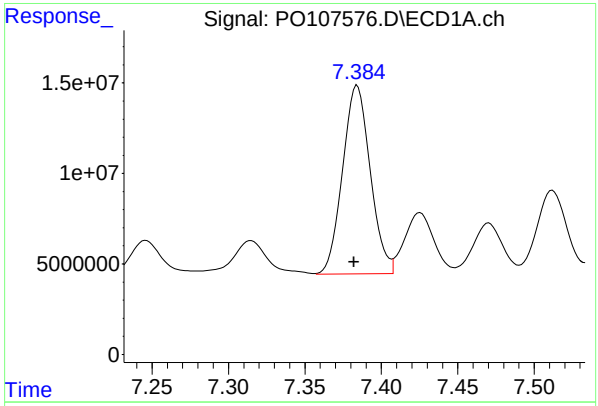

#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 127279629
Conc: 492.21 ng/ml m




#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 78231058
Conc: 504.21 ng/ml m



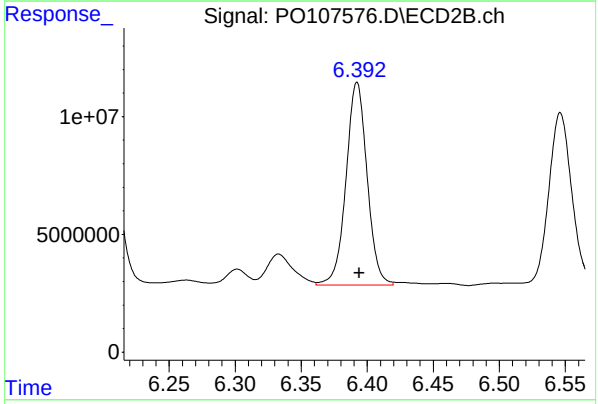

#32 AR-1260-2

R.T.: 7.384 min
Delta R.T.: 0.002 mi
Response: 132307754
Conc: 502.65 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

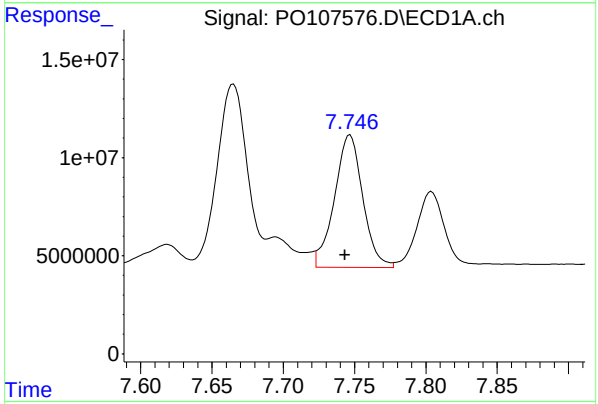
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



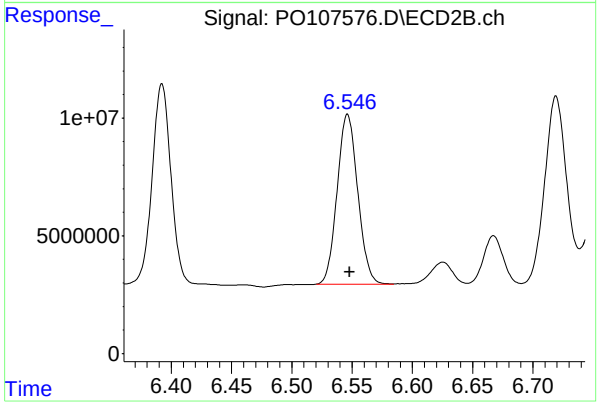

#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 95630422
Conc: 543.00 ng/ml m



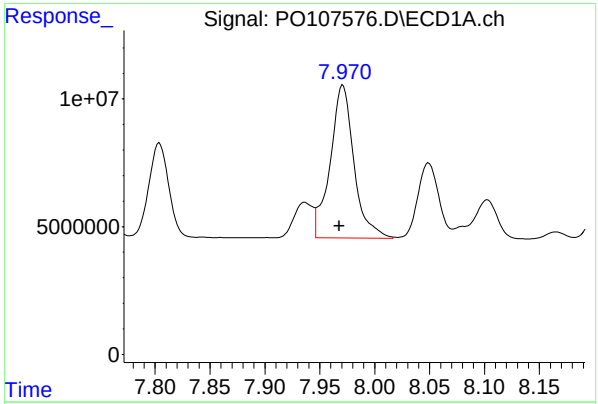

#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 93056706
Conc: 517.71 ng/ml m




#33 AR-1260-3

R.T.: 6.546 min
Delta R.T.: -0.002 min
Response: 85716245
Conc: 510.98 ng/ml



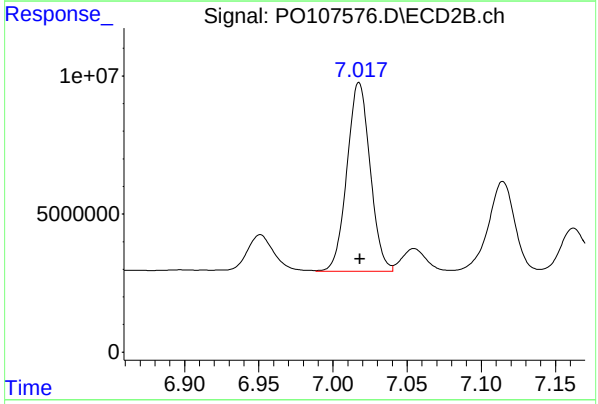

#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 89661217
Conc: 510.88 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
AR1660CCC500

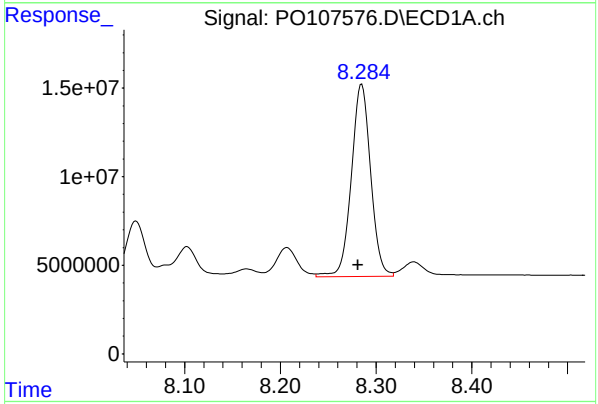
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



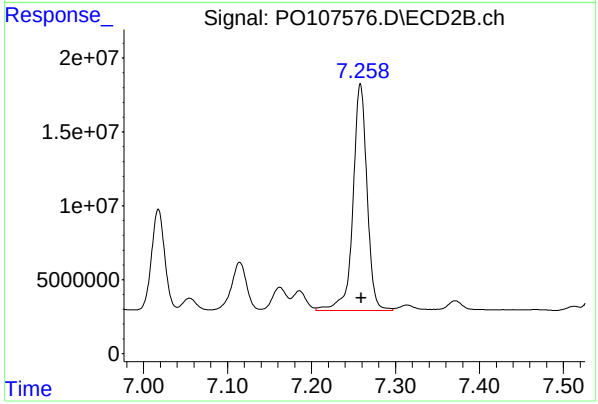

#34 AR-1260-4

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 74141240
Conc: 512.45 ng/ml




#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.004 min
Response: 151805790
Conc: 533.79 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: 0.000 min
Response: 178576404
Conc: 542.06 ng/ml

Raw Data: **PP068318.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 13:57 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.93 | 5.92 | 5.82 | 6.02 | -0.01 |
| Aroclor-1016-2 | (2) | 5.95 | 5.94 | 5.84 | 6.04 | -0.01 |
| Aroclor-1016-3 | (3) | 6.01 | 6.01 | 5.91 | 6.11 | 0.00 |
| Aroclor-1016-4 | (4) | 6.11 | 6.10 | 6.00 | 6.20 | -0.01 |
| Aroclor-1016-5 | (5) | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| Aroclor-1260-1 | (1) | 7.53 | 7.52 | 7.42 | 7.62 | -0.01 |
| Aroclor-1260-2 | (2) | 7.78 | 7.78 | 7.68 | 7.88 | 0.00 |
| Aroclor-1260-3 | (3) | 8.14 | 8.14 | 8.04 | 8.24 | 0.00 |
| Aroclor-1260-4 | (4) | 8.38 | 8.38 | 8.28 | 8.48 | 0.00 |
| Aroclor-1260-5 | (5) | 8.72 | 8.71 | 8.61 | 8.81 | -0.01 |
| Tetrachloro-m-xylene | | 4.76 | 4.76 | 4.66 | 4.86 | 0.00 |
| Decachlorobiphenyl | | 10.68 | 10.67 | 10.57 | 10.77 | -0.01 |

Raw Data: **PP068318.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 13:57 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.16 | 5.16 | 5.06 | 5.26 | 0.00 |
| Aroclor-1016-2 | (2) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1016-3 | (3) | 5.36 | 5.36 | 5.26 | 5.46 | 0.00 |
| Aroclor-1016-4 | (4) | 5.40 | 5.40 | 5.30 | 5.50 | 0.00 |
| Aroclor-1016-5 | (5) | 5.62 | 5.62 | 5.52 | 5.72 | 0.00 |
| Aroclor-1260-1 | (1) | 6.66 | 6.66 | 6.56 | 6.76 | 0.00 |
| Aroclor-1260-2 | (2) | 6.85 | 6.85 | 6.75 | 6.95 | 0.00 |
| Aroclor-1260-3 | (3) | 7.01 | 7.01 | 6.91 | 7.11 | 0.00 |
| Aroclor-1260-4 | (4) | 7.48 | 7.48 | 7.38 | 7.58 | 0.00 |
| Aroclor-1260-5 | (5) | 7.72 | 7.72 | 7.62 | 7.82 | 0.00 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 3.95 | 4.15 | 0.00 |
| Decachlorobiphenyl | | 9.21 | 9.22 | 9.12 | 9.32 | 0.01 |

Raw Data: **PP068318.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068318.D **Time Analyzed:** 13:57

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.926 | 5.819 | 6.019 | 492.820 | 500.000 | -1.4 |
| Aroclor-1016-2 | 5.947 | 5.842 | 6.042 | 499.970 | 500.000 | 0.0 |
| Aroclor-1016-3 | 6.011 | 5.905 | 6.105 | 554.660 | 500.000 | 10.9 |
| Aroclor-1016-4 | 6.110 | 6.003 | 6.203 | 535.520 | 500.000 | 7.1 |
| Aroclor-1016-5 | 6.404 | 6.298 | 6.498 | 460.110 | 500.000 | -8.0 |
| Aroclor-1260-1 | 7.527 | 7.422 | 7.622 | 463.250 | 500.000 | -7.4 |
| Aroclor-1260-2 | 7.779 | 7.675 | 7.875 | 466.490 | 500.000 | -6.7 |
| Aroclor-1260-3 | 8.141 | 8.037 | 8.237 | 486.930 | 500.000 | -2.6 |
| Aroclor-1260-4 | 8.380 | 8.275 | 8.475 | 482.310 | 500.000 | -3.5 |
| Aroclor-1260-5 | 8.717 | 8.612 | 8.812 | 481.070 | 500.000 | -3.8 |
| Decachlorobiphenyl | 10.676 | 10.569 | 10.769 | 49.830 | 50.000 | -0.3 |
| Tetrachloro-m-xylene | 4.762 | 4.655 | 4.855 | 50.980 | 50.000 | 2.0 |

Raw Data: **PP068318.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL03 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068318.D **Time Analyzed:** 13:57

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.161 | 5.061 | 5.261 | 452.360 | 500.000 | -9.5 |
| Aroclor-1016-2 | 5.181 | 5.081 | 5.281 | 464.930 | 500.000 | -7.0 |
| Aroclor-1016-3 | 5.361 | 5.262 | 5.462 | 461.260 | 500.000 | -7.7 |
| Aroclor-1016-4 | 5.401 | 5.301 | 5.501 | 468.330 | 500.000 | -6.3 |
| Aroclor-1016-5 | 5.619 | 5.520 | 5.720 | 468.640 | 500.000 | -6.3 |
| Aroclor-1260-1 | 6.662 | 6.564 | 6.764 | 457.830 | 500.000 | -8.4 |
| Aroclor-1260-2 | 6.848 | 6.750 | 6.950 | 458.900 | 500.000 | -8.2 |
| Aroclor-1260-3 | 7.006 | 6.908 | 7.108 | 461.830 | 500.000 | -7.6 |
| Aroclor-1260-4 | 7.480 | 7.383 | 7.583 | 466.930 | 500.000 | -6.6 |
| Aroclor-1260-5 | 7.718 | 7.622 | 7.822 | 465.360 | 500.000 | -6.9 |
| Decachlorobiphenyl | 9.212 | 9.119 | 9.319 | 48.250 | 50.000 | -3.5 |
| Tetrachloro-m-xylene | 4.054 | 3.952 | 4.152 | 47.470 | 50.000 | -5.1 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 13:57
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: Nov 01 00:37:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.762 | 4.054 | 47187730 | 47963873 | 50.978 | 47.470 |
| 2) | SA Decachlor... | 10.676 | 9.212 | 57370873 | 54113605 | 49.831 | 48.253 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.926 | 5.161 | 16296072 | 15826676 | 492.825 | 452.355 |
| 4) | L1 AR-1016-2 | 5.947 | 5.181 | 24384164 | 22395043 | 499.974 | 464.931 |
| 5) | L1 AR-1016-3 | 6.011 | 5.361 | 17478398 | 12425214 | 554.659 | 461.261 |
| 6) | L1 AR-1016-4 | 6.110 | 5.401 | 13786311 | 11279850 | 535.523 | 468.333 |
| 7) | L1 AR-1016-5 | 6.404 | 5.619 | 12453866 | 14251269 | 460.114 | 468.640 |
| 31) | L7 AR-1260-1 | 7.527 | 6.662 | 25026661 | 26079136 | 463.253 | 457.834 |
| 32) | L7 AR-1260-2 | 7.779 | 6.848 | 29514981 | 30610567 | 466.487 | 458.899 |
| 33) | L7 AR-1260-3 | 8.141 | 7.006 | 25246804 | 29419239 | 486.931 | 461.832 |
| 34) | L7 AR-1260-4 | 8.380 | 7.480 | 29032614 | 25818052 | 482.314 | 466.934 |
| 35) | L7 AR-1260-5 | 8.717 | 7.718 | 51816568 | 56912317 | 481.065 | 465.356 |

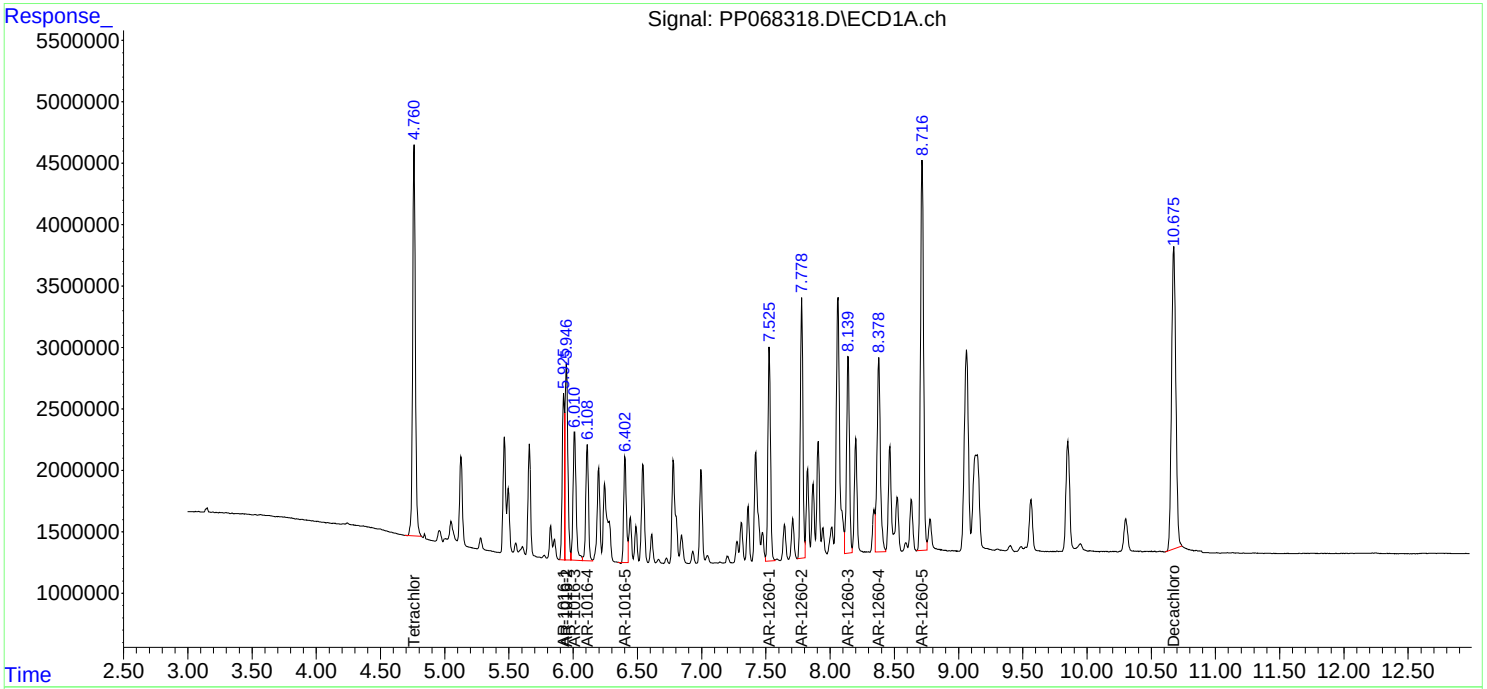
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

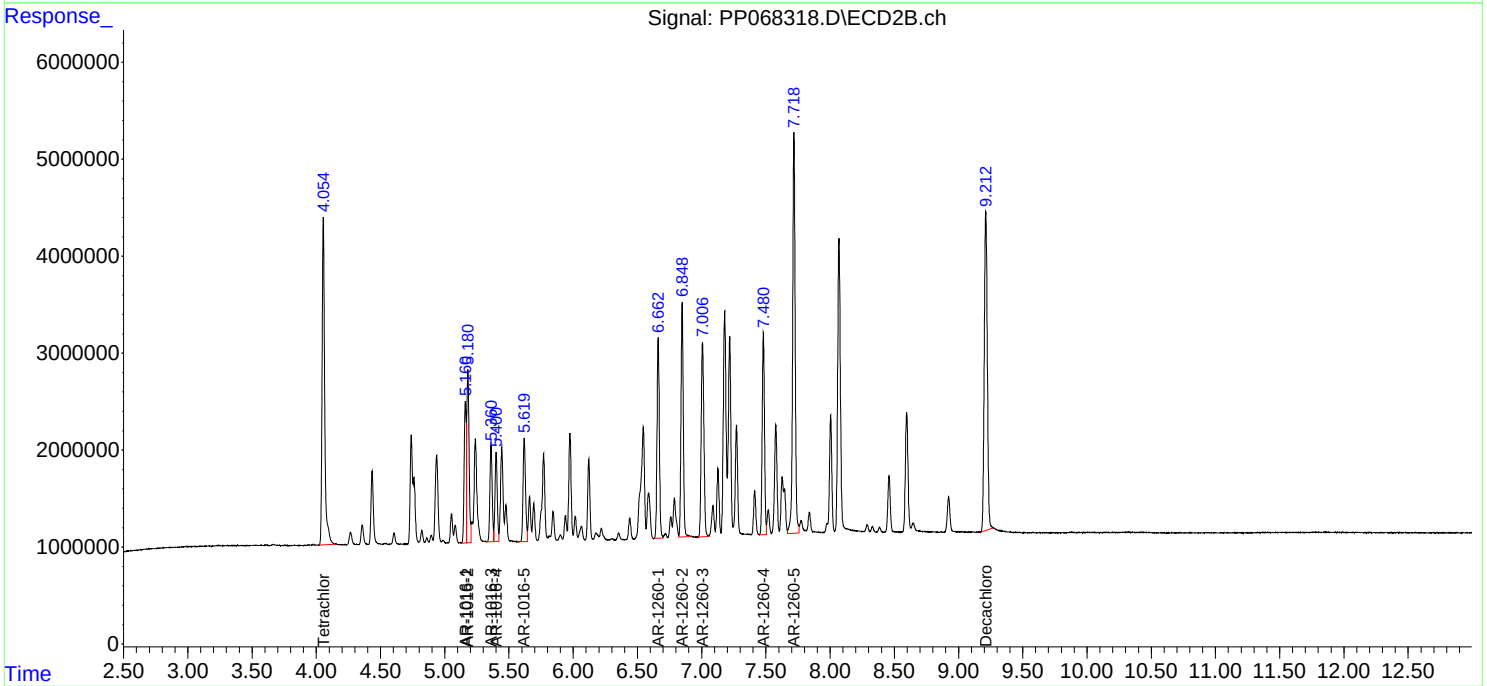
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 13:57
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

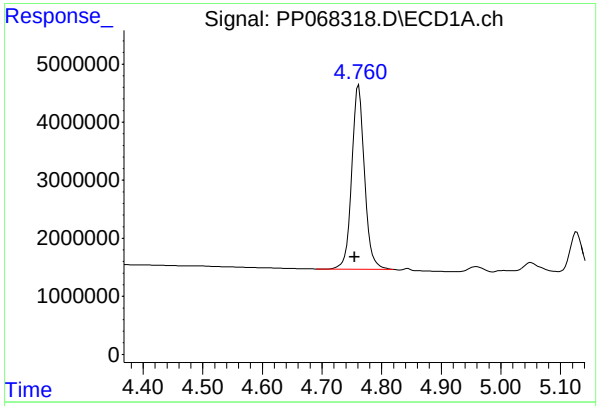
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:37:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



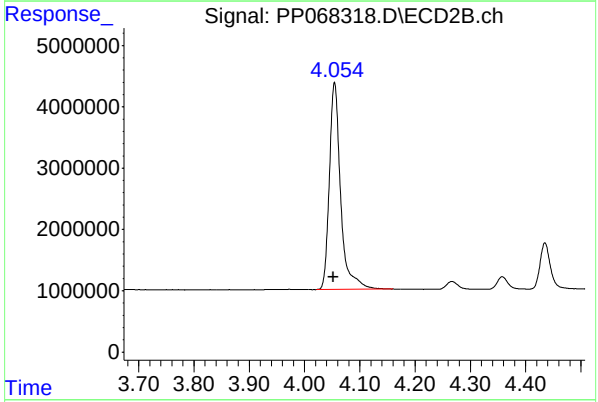






#1 Tetrachloro-m-xylene

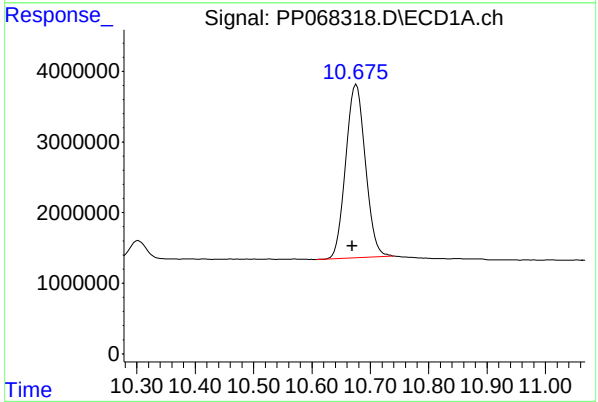
R.T.: 4.762 min
Delta R.T.: 0.007 min
Response: 47187730
Conc: 50.98 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



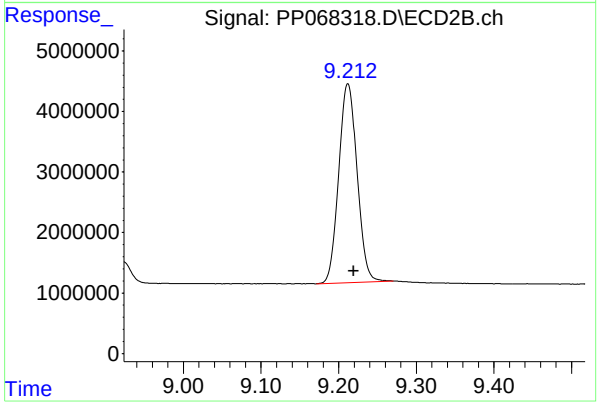

#1 Tetrachloro-m-xylene

R.T.: 4.054 min
Delta R.T.: 0.002 min
Response: 47963873
Conc: 47.47 ng/ml



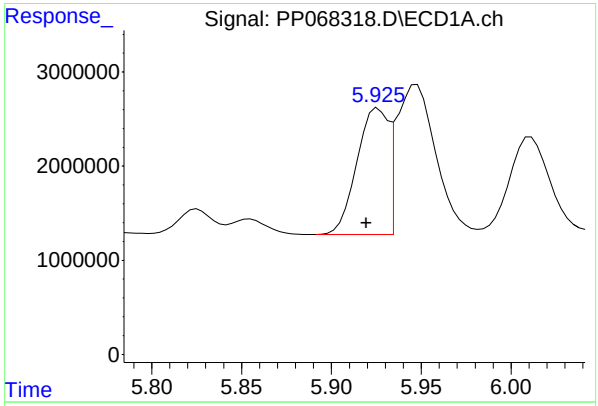

#2 Decachlorobiphenyl

R.T.: 10.676 min
Delta R.T.: 0.007 min
Response: 57370873
Conc: 49.83 ng/ml




#2 Decachlorobiphenyl

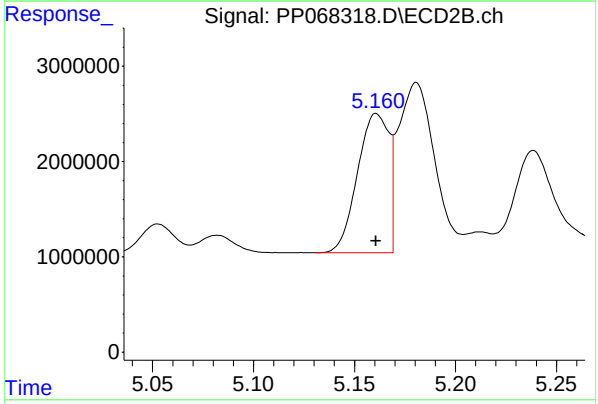
R.T.: 9.212 min
Delta R.T.: -0.007 min
Response: 54113605
Conc: 48.25 ng/ml




#3 AR-1016-1

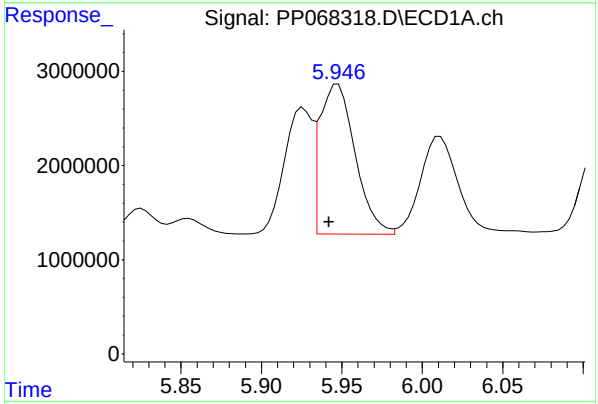
R.T.: 5.926 min
Delta R.T.: 0.007 min
Response: 16296072
Conc: 492.82 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



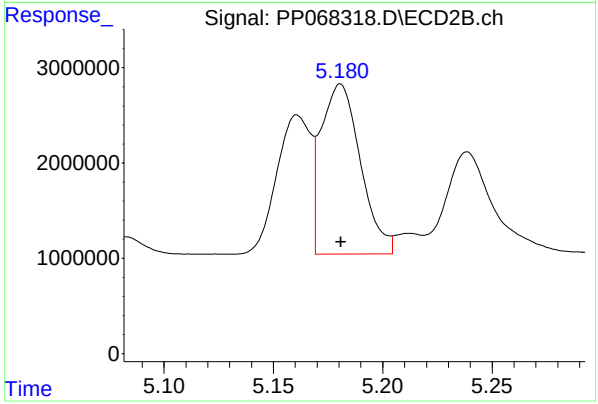

#3 AR-1016-1

R.T.: 5.161 min
Delta R.T.: 0.000 min
Response: 15826676
Conc: 452.36 ng/ml



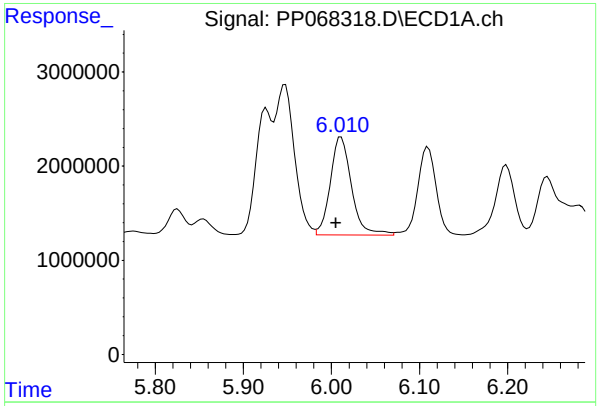

#4 AR-1016-2

R.T.: 5.947 min
Delta R.T.: 0.006 min
Response: 24384164
Conc: 499.97 ng/ml




#4 AR-1016-2

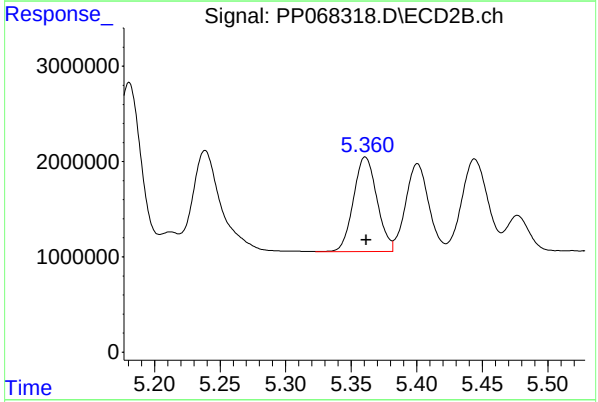
R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 22395043
Conc: 464.93 ng/ml




#5 AR-1016-3

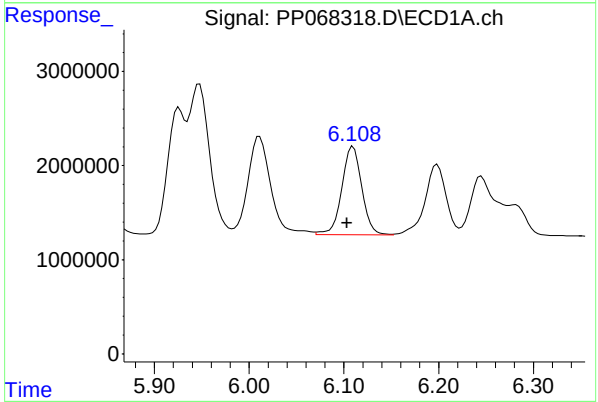
R.T.: 6.011 min
Delta R.T.: 0.006 min
Response: 17478398
Conc: 554.66 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



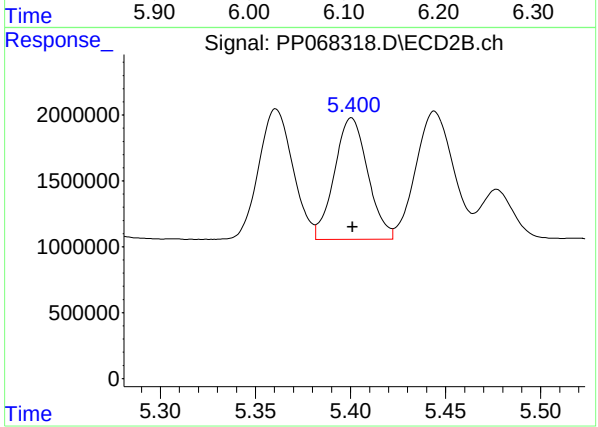

#5 AR-1016-3

R.T.: 5.361 min
Delta R.T.: 0.000 min
Response: 12425214
Conc: 461.26 ng/ml



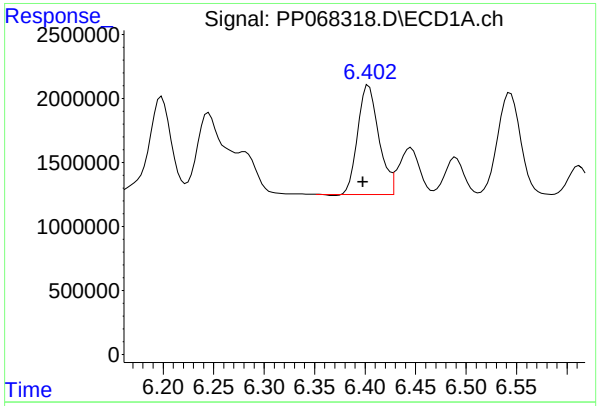

#6 AR-1016-4

R.T.: 6.110 min
Delta R.T.: 0.006 min
Response: 13786311
Conc: 535.52 ng/ml




#6 AR-1016-4

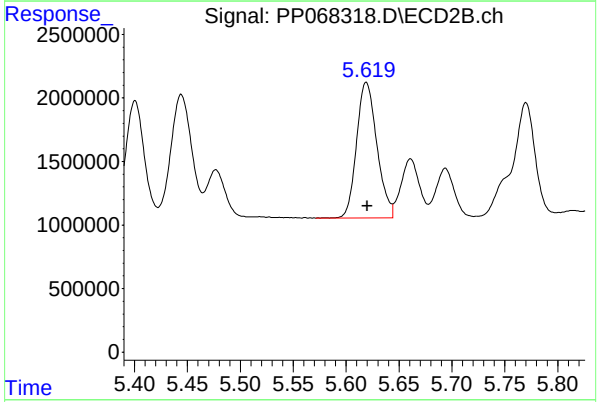
R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 11279850
Conc: 468.33 ng/ml




#7 AR-1016-5

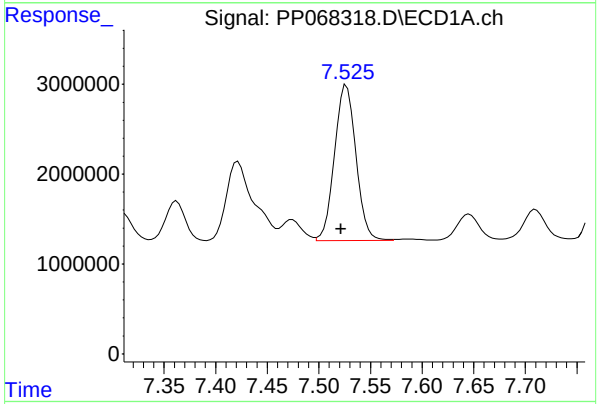
R.T.: 6.404 min
Delta R.T.: 0.005 min
Response: 12453866
Conc: 460.11 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



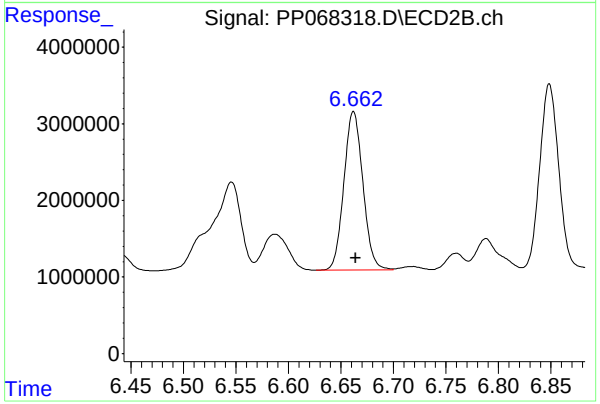

#7 AR-1016-5

R.T.: 5.619 min
Delta R.T.: -0.001 min
Response: 14251269
Conc: 468.64 ng/ml



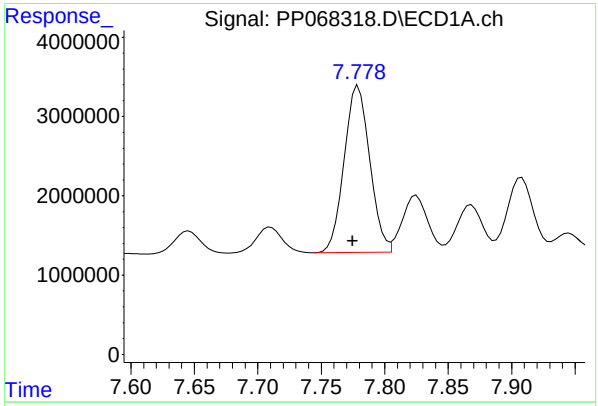

#31 AR-1260-1

R.T.: 7.527 min
Delta R.T.: 0.005 min
Response: 25026661
Conc: 463.25 ng/ml




#31 AR-1260-1

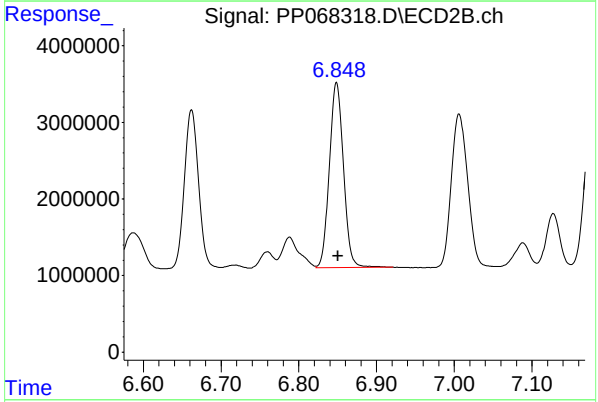
R.T.: 6.662 min
Delta R.T.: -0.002 min
Response: 26079136
Conc: 457.83 ng/ml




#32 AR-1260-2

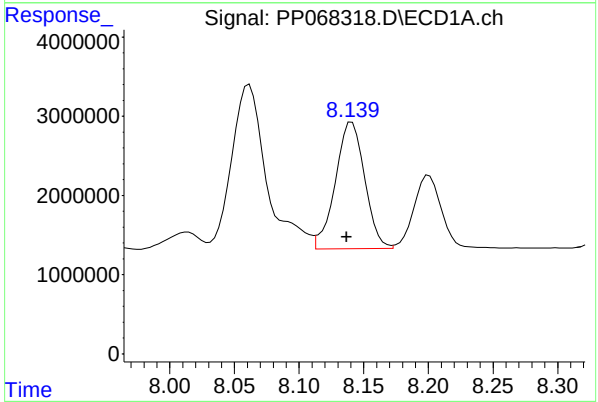
R.T.: 7.779 min
Delta R.T.: 0.005 min
Response: 29514981
Conc: 466.49 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



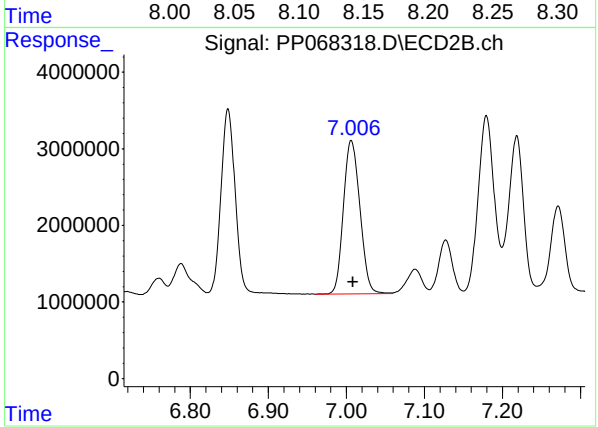

#32 AR-1260-2

R.T.: 6.848 min
Delta R.T.: -0.002 min
Response: 30610567
Conc: 458.90 ng/ml



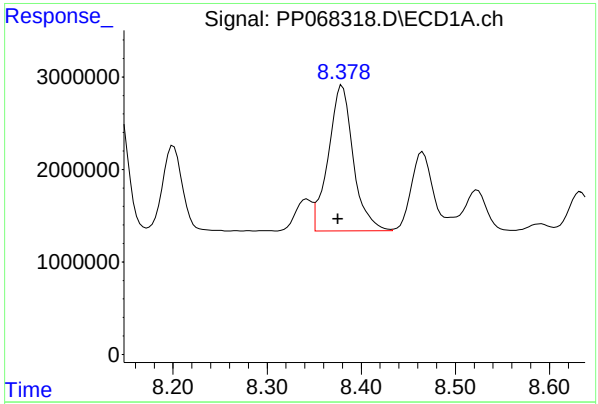

#33 AR-1260-3

R.T.: 8.141 min
Delta R.T.: 0.004 min
Response: 25246804
Conc: 486.93 ng/ml




#33 AR-1260-3

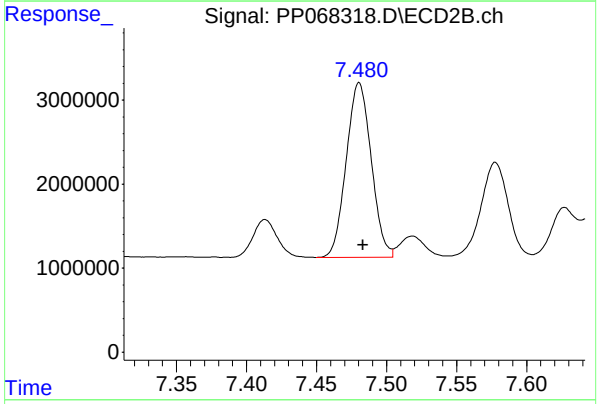
R.T.: 7.006 min
Delta R.T.: -0.002 min
Response: 29419239
Conc: 461.83 ng/ml




#34 AR-1260-4

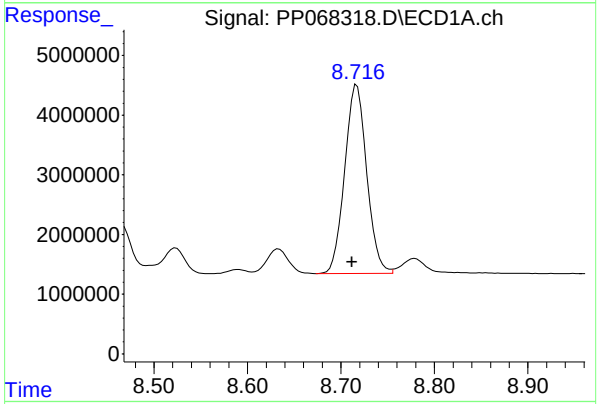
R.T.: 8.380 min
Delta R.T.: 0.005 min
Response: 29032614
Conc: 482.31 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



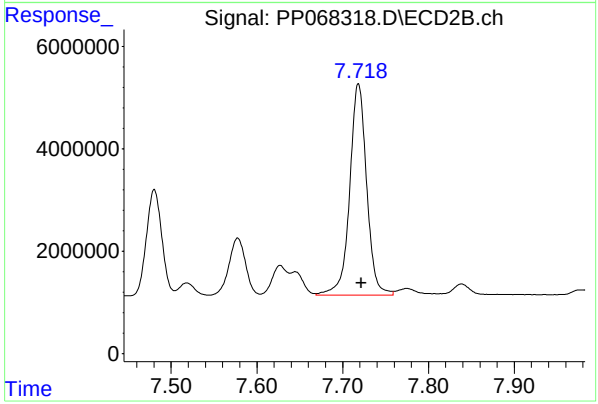

#34 AR-1260-4

R.T.: 7.480 min
Delta R.T.: -0.003 min
Response: 25818052
Conc: 466.93 ng/ml




#35 AR-1260-5

R.T.: 8.717 min
Delta R.T.: 0.005 min
Response: 51816568
Conc: 481.07 ng/ml




#35 AR-1260-5

R.T.: 7.718 min
Delta R.T.: -0.003 min
Response: 56912317
Conc: 465.36 ng/ml

Raw Data: **PP068333.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 18:55 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.93 | 5.92 | 5.82 | 6.02 | -0.01 |
| Aroclor-1016-2 | (2) | 5.95 | 5.94 | 5.84 | 6.04 | -0.01 |
| Aroclor-1016-3 | (3) | 6.01 | 6.01 | 5.91 | 6.11 | 0.00 |
| Aroclor-1016-4 | (4) | 6.11 | 6.10 | 6.00 | 6.20 | -0.01 |
| Aroclor-1016-5 | (5) | 6.40 | 6.40 | 6.30 | 6.50 | 0.00 |
| Aroclor-1260-1 | (1) | 7.53 | 7.52 | 7.42 | 7.62 | -0.01 |
| Aroclor-1260-2 | (2) | 7.78 | 7.78 | 7.68 | 7.88 | 0.00 |
| Aroclor-1260-3 | (3) | 8.14 | 8.14 | 8.04 | 8.24 | 0.00 |
| Aroclor-1260-4 | (4) | 8.38 | 8.38 | 8.28 | 8.48 | 0.00 |
| Aroclor-1260-5 | (5) | 8.72 | 8.71 | 8.61 | 8.81 | -0.01 |
| Tetrachloro-m-xylene | | 4.76 | 4.76 | 4.66 | 4.86 | 0.00 |
| Decachlorobiphenyl | | 10.68 | 10.67 | 10.57 | 10.77 | -0.01 |

Raw Data: **PP068333.D**

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**Continuing Calib Date:** 10/31/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

**Continuing Calib Time:** 18:55 **Initial Calibration Time(s):** 16:30 23:46

**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) | 5.16 | 5.16 | 5.06 | 5.26 | 0.00 |
| Aroclor-1016-2 | (2) | 5.18 | 5.18 | 5.08 | 5.28 | 0.00 |
| Aroclor-1016-3 | (3) | 5.36 | 5.36 | 5.26 | 5.46 | 0.00 |
| Aroclor-1016-4 | (4) | 5.40 | 5.40 | 5.30 | 5.50 | 0.00 |
| Aroclor-1016-5 | (5) | 5.62 | 5.62 | 5.52 | 5.72 | 0.00 |
| Aroclor-1260-1 | (1) | 6.66 | 6.66 | 6.56 | 6.76 | 0.00 |
| Aroclor-1260-2 | (2) | 6.85 | 6.85 | 6.75 | 6.95 | 0.00 |
| Aroclor-1260-3 | (3) | 7.00 | 7.01 | 6.91 | 7.11 | 0.01 |
| Aroclor-1260-4 | (4) | 7.48 | 7.48 | 7.38 | 7.58 | 0.00 |
| Aroclor-1260-5 | (5) | 7.72 | 7.72 | 7.62 | 7.82 | 0.00 |
| Tetrachloro-m-xylene | | 4.05 | 4.05 | 3.95 | 4.15 | 0.00 |
| Decachlorobiphenyl | | 9.21 | 9.22 | 9.12 | 9.32 | 0.01 |

Alliance TECHNICAL GROUP

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

## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068333.D **Time Analyzed:** 18:55

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.925 | 5.819 | 6.019 | 511.120 | 500.000 | 2.2 |
| Aroclor-1016-2 | 5.947 | 5.842 | 6.042 | 519.840 | 500.000 | 4.0 |
| Aroclor-1016-3 | 6.011 | 5.905 | 6.105 | 511.480 | 500.000 | 2.3 |
| Aroclor-1016-4 | 6.109 | 6.003 | 6.203 | 493.890 | 500.000 | -1.2 |
| Aroclor-1016-5 | 6.403 | 6.298 | 6.498 | 495.560 | 500.000 | -0.9 |
| Aroclor-1260-1 | 7.526 | 7.422 | 7.622 | 472.810 | 500.000 | -5.4 |
| Aroclor-1260-2 | 7.779 | 7.675 | 7.875 | 467.190 | 500.000 | -6.6 |
| Aroclor-1260-3 | 8.140 | 8.037 | 8.237 | 481.420 | 500.000 | -3.7 |
| Aroclor-1260-4 | 8.379 | 8.275 | 8.475 | 479.970 | 500.000 | -4.0 |
| Aroclor-1260-5 | 8.716 | 8.612 | 8.812 | 477.350 | 500.000 | -4.5 |
| Decachlorobiphenyl | 10.675 | 10.569 | 10.769 | 49.950 | 50.000 | -0.1 |
| Tetrachloro-m-xylene | 4.761 | 4.655 | 4.855 | 52.760 | 50.000 | 5.5 |

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## CALIBRATION VERIFICATION SUMMARY

**Contract:** ROYF02

**Lab Code:** CHEM **Case No.:** P4620 **SAS No.:** P4620 **SDG NO.:** P4620

**GC Column:** ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

**Client Sample No.:** CCAL04 **Date Analyzed:** 10/31/2024

**Lab Sample No.:** AR1660CCC500 **Data File :** PP068333.D **Time Analyzed:** 18:55

| COMPOUND | RT | RT WINDOW FROM | RT WINDOW TO | CALC AMOUNT(ng) | NOM AMOUNT(ng) | %D |
|---|---|---|---|---|---|---|
| Aroclor-1016-1 | 5.159 | 5.061 | 5.261 | 443.170 | 500.000 | -11.4 |
| Aroclor-1016-2 | 5.179 | 5.081 | 5.281 | 456.260 | 500.000 | -8.7 |
| Aroclor-1016-3 | 5.359 | 5.262 | 5.462 | 463.590 | 500.000 | -7.3 |
| Aroclor-1016-4 | 5.398 | 5.301 | 5.501 | 473.650 | 500.000 | -5.3 |
| Aroclor-1016-5 | 5.617 | 5.520 | 5.720 | 465.480 | 500.000 | -6.9 |
| Aroclor-1260-1 | 6.660 | 6.564 | 6.764 | 449.730 | 500.000 | -10.1 |
| Aroclor-1260-2 | 6.846 | 6.750 | 6.950 | 452.000 | 500.000 | -9.6 |
| Aroclor-1260-3 | 7.004 | 6.908 | 7.108 | 452.640 | 500.000 | -9.5 |
| Aroclor-1260-4 | 7.478 | 7.383 | 7.583 | 451.050 | 500.000 | -9.8 |
| Aroclor-1260-5 | 7.716 | 7.622 | 7.822 | 445.310 | 500.000 | -10.9 |
| Decachlorobiphenyl | 9.209 | 9.119 | 9.319 | 47.940 | 50.000 | -4.1 |
| Tetrachloro-m-xylene | 4.052 | 3.952 | 4.152 | 47.460 | 50.000 | -5.1 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:55
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: Nov 01 00:48:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.761 | 4.052 | 48833832 | 47953083 | 52.757 | 47.459 |
| 2) | SA Decachlor... | 10.675 | 9.209 | 57507173 | 53766594 | 49.950 | 47.943 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.925 | 5.159 | 16901074 | 15505363 | 511.121 | 443.172 |
| 4) | L1 AR-1016-2 | 5.947 | 5.179 | 25352807 | 21977324 | 519.835 | 456.259 |
| 5) | L1 AR-1016-3 | 6.011 | 5.359 | 16117809 | 12487834 | 511.482 | 463.586 |
| 6) | L1 AR-1016-4 | 6.109 | 5.398 | 12714423 | 11407923 | 493.886 | 473.651 |
| 7) | L1 AR-1016-5 | 6.403 | 5.617 | 13413321 | 14155154 | 495.562 | 465.479 |
| 31) | L7 AR-1260-1 | 7.526 | 6.660 | 25543155 | 25617289 | 472.814 | 449.726 |
| 32) | L7 AR-1260-2 | 7.779 | 6.846 | 29559230 | 30150229 | 467.186 | 451.998 |
| 33) | L7 AR-1260-3 | 8.140 | 7.004 | 24961155 | 28833607 | 481.422 | 452.639 |
| 34) | L7 AR-1260-4 | 8.379 | 7.478 | 28891280 | 24939603 | 479.966 | 451.047 |
| 35) | L7 AR-1260-5 | 8.716 | 7.716 | 51416615 | 54460893 | 477.352 | 445.311 |

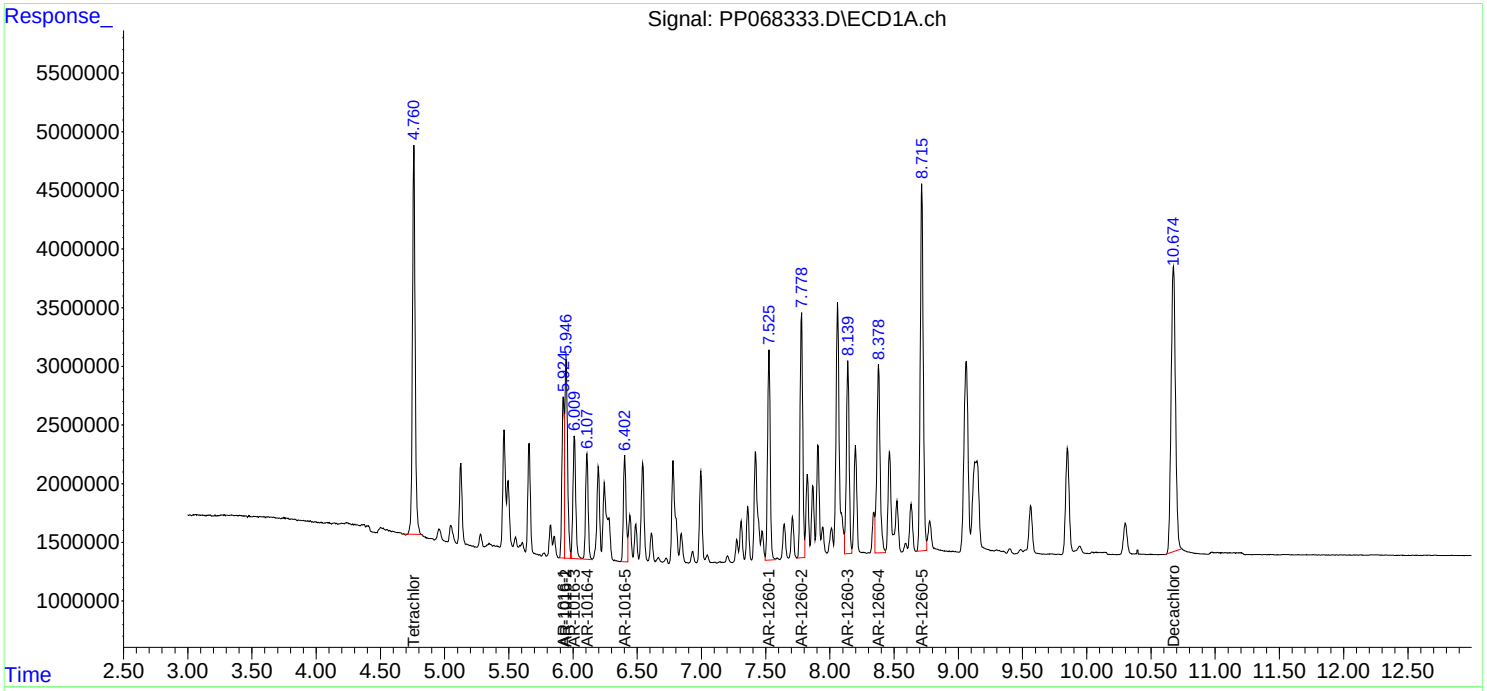
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

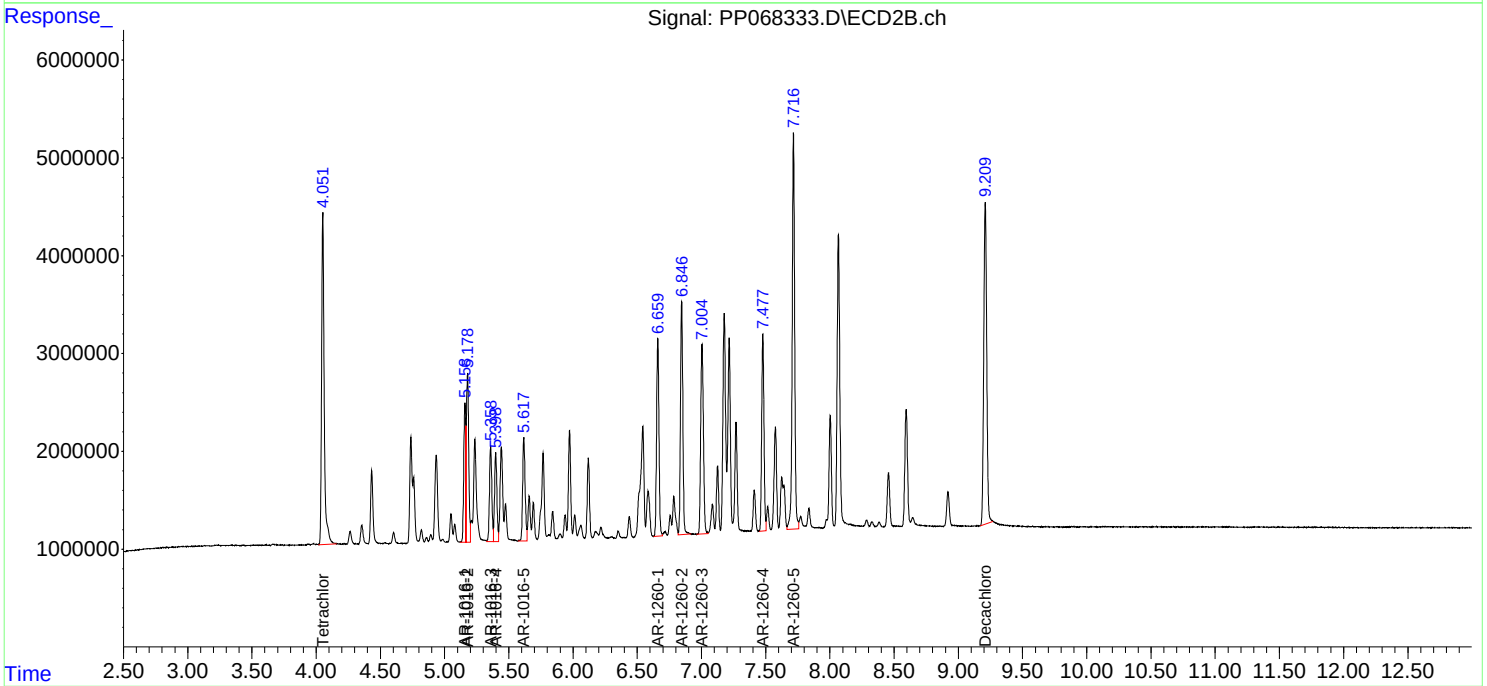
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:55
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

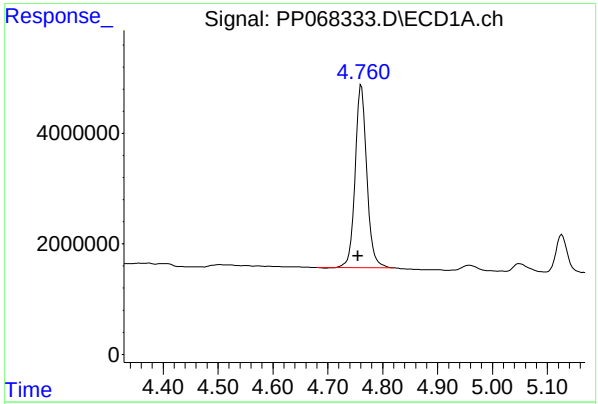
**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:48:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



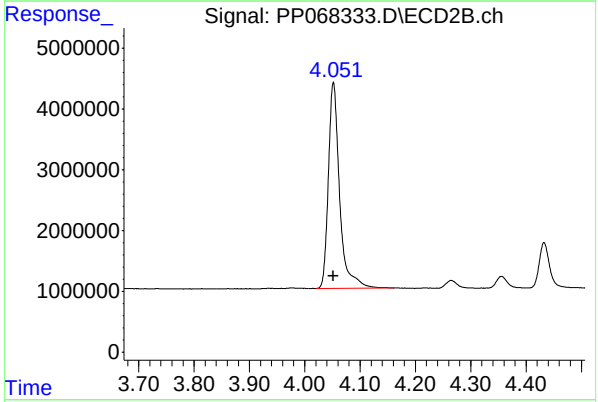






#1 Tetrachloro-m-xylene

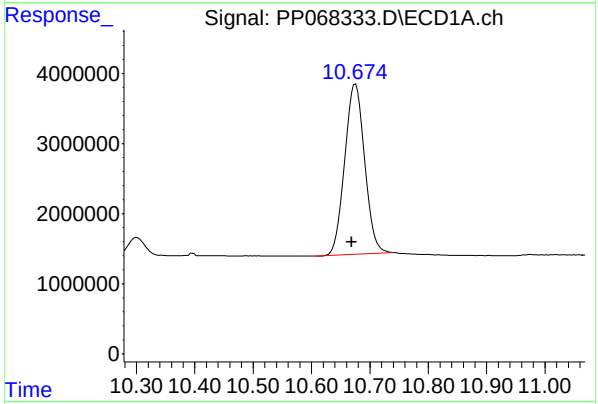
R.T.: 4.761 min
Delta R.T.: 0.006 min
Response: 48833832
Conc: 52.76 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



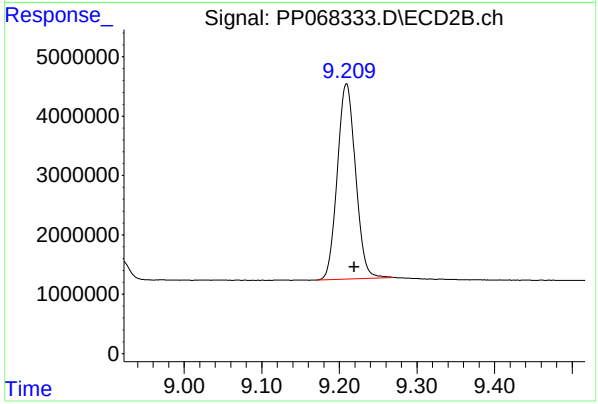

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 47953083
Conc: 47.46 ng/ml



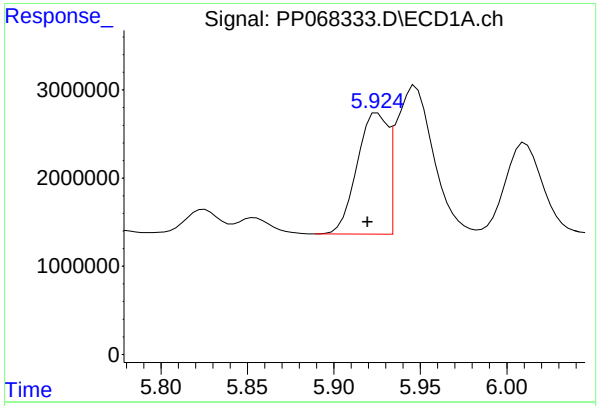

#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.006 min
Response: 57507173
Conc: 49.95 ng/ml




#2 Decachlorobiphenyl

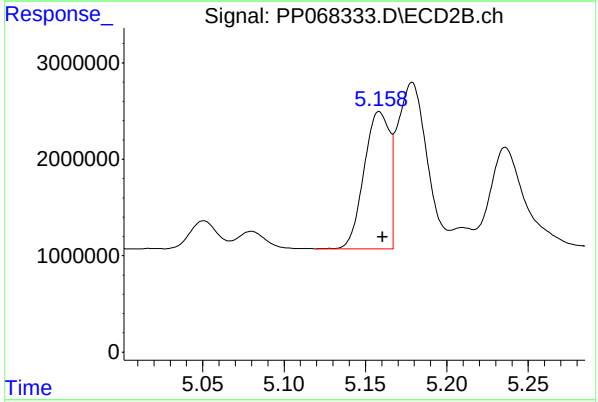
R.T.: 9.209 min
Delta R.T.: -0.010 min
Response: 53766594
Conc: 47.94 ng/ml




#3 AR-1016-1

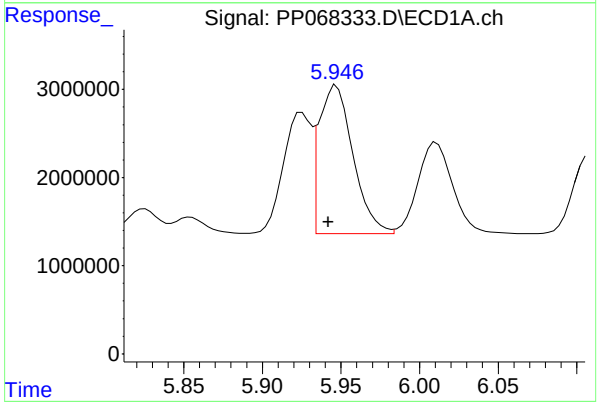
R.T.: 5.925 min
Delta R.T.: 0.006 min
Response: 16901074
Conc: 511.12 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



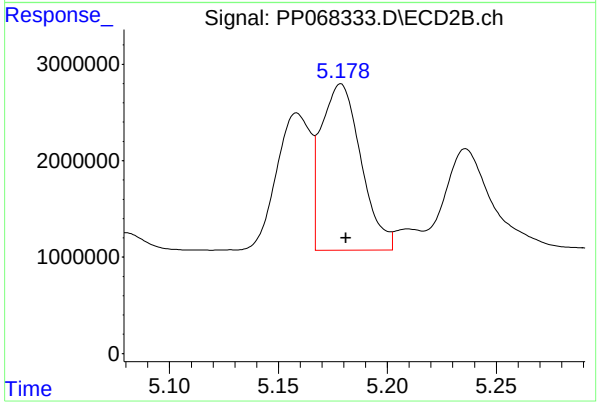

#3 AR-1016-1

R.T.: 5.159 min
Delta R.T.: -0.002 min
Response: 15505363
Conc: 443.17 ng/ml



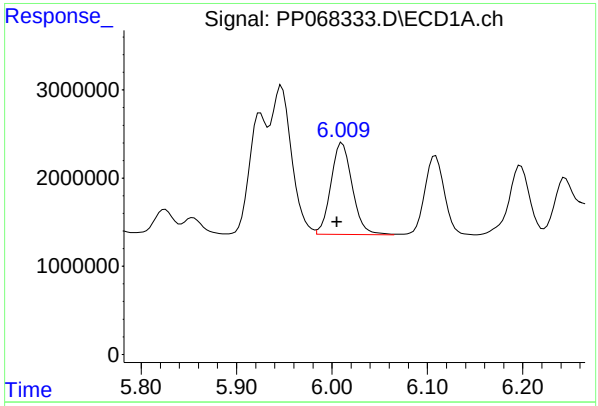

#4 AR-1016-2

R.T.: 5.947 min
Delta R.T.: 0.005 min
Response: 25352807
Conc: 519.84 ng/ml




#4 AR-1016-2

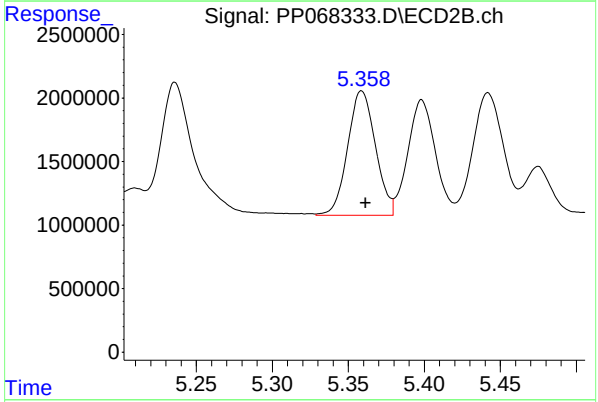
R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 21977324
Conc: 456.26 ng/ml




#5 AR-1016-3

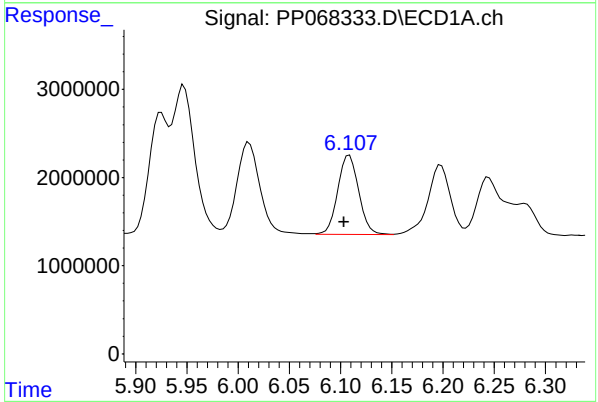
R.T.: 6.011 min
Delta R.T.: 0.006 min
Response: 16117809
Conc: 511.48 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



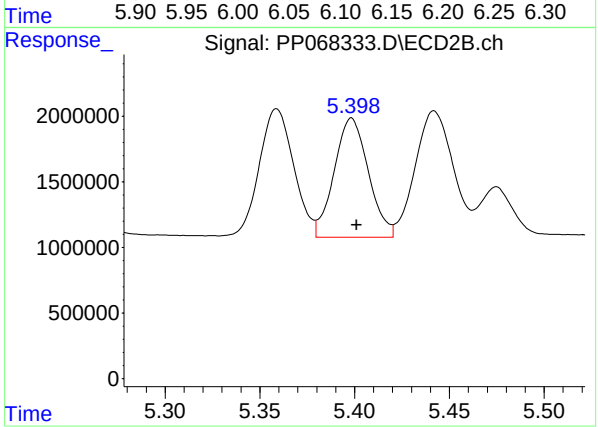

#5 AR-1016-3

R.T.: 5.359 min
Delta R.T.: -0.003 min
Response: 12487834
Conc: 463.59 ng/ml



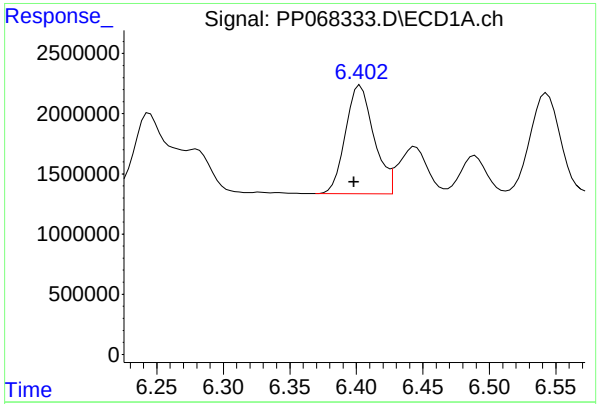

#6 AR-1016-4

R.T.: 6.109 min
Delta R.T.: 0.005 min
Response: 12714423
Conc: 493.89 ng/ml




#6 AR-1016-4

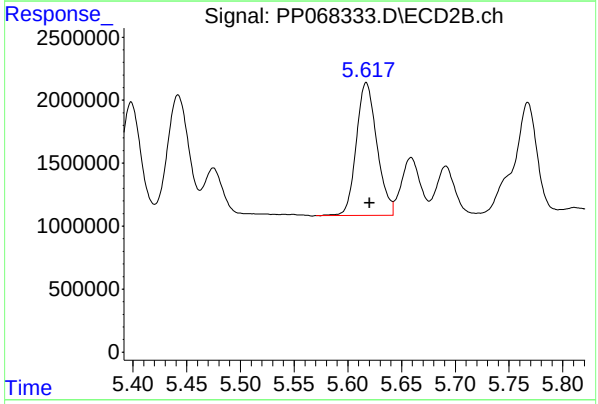
R.T.: 5.398 min
Delta R.T.: -0.003 min
Response: 11407923
Conc: 473.65 ng/ml




#7 AR-1016-5

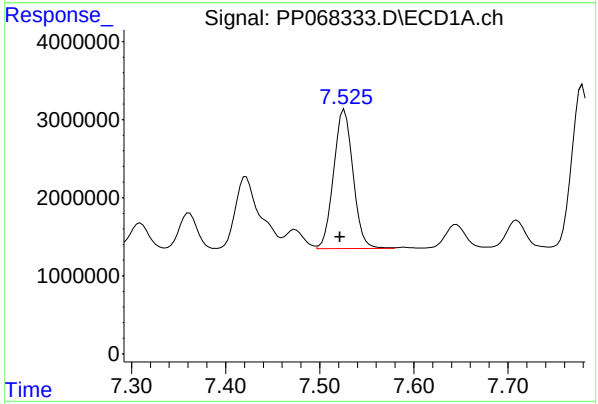
R.T.: 6.403 min
Delta R.T.: 0.005 min
Response: 13413321
Conc: 495.56 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



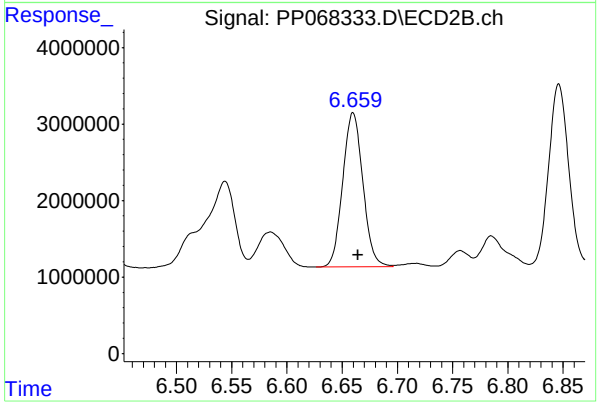

#7 AR-1016-5

R.T.: 5.617 min
Delta R.T.: -0.003 min
Response: 14155154
Conc: 465.48 ng/ml



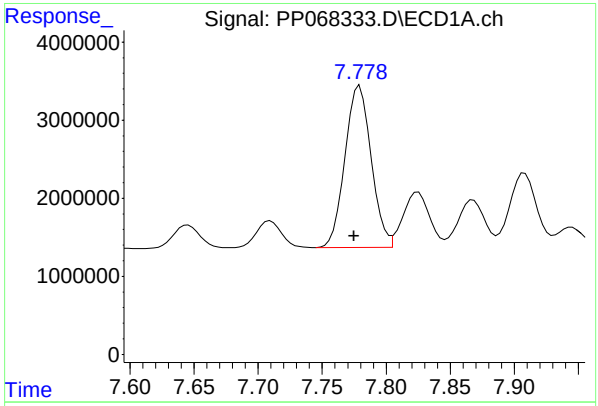

#31 AR-1260-1

R.T.: 7.526 min
Delta R.T.: 0.005 min
Response: 25543155
Conc: 472.81 ng/ml




#31 AR-1260-1

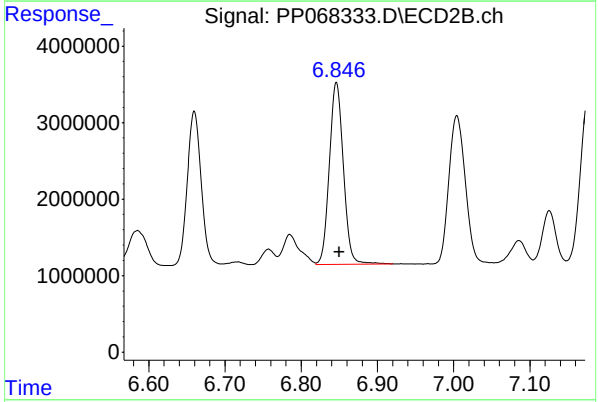
R.T.: 6.660 min
Delta R.T.: -0.004 min
Response: 25617289
Conc: 449.73 ng/ml




#32 AR-1260-2

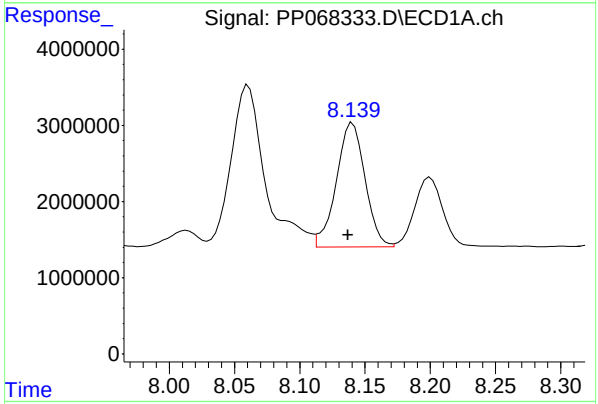
R.T.: 7.779 min
Delta R.T.: 0.005 min
Response: 29559230
Conc: 467.19 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



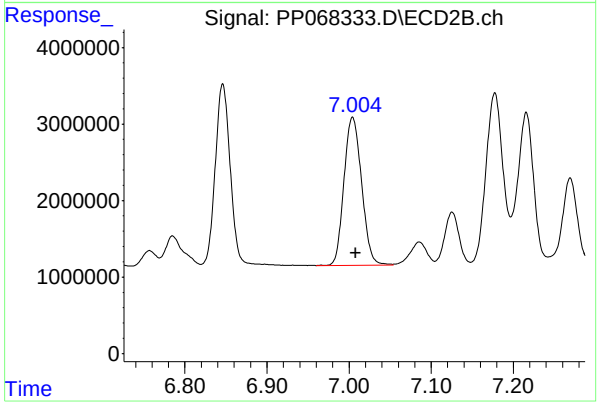

#32 AR-1260-2

R.T.: 6.846 min
Delta R.T.: -0.004 min
Response: 30150229
Conc: 452.00 ng/ml



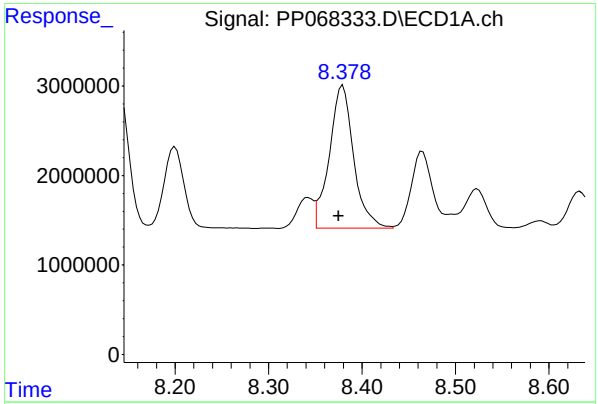

#33 AR-1260-3

R.T.: 8.140 min
Delta R.T.: 0.003 min
Response: 24961155
Conc: 481.42 ng/ml




#33 AR-1260-3

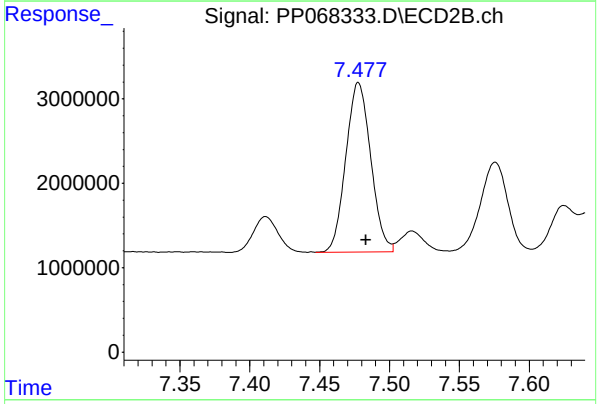
R.T.: 7.004 min
Delta R.T.: -0.004 min
Response: 28833607
Conc: 452.64 ng/ml




#34 AR-1260-4

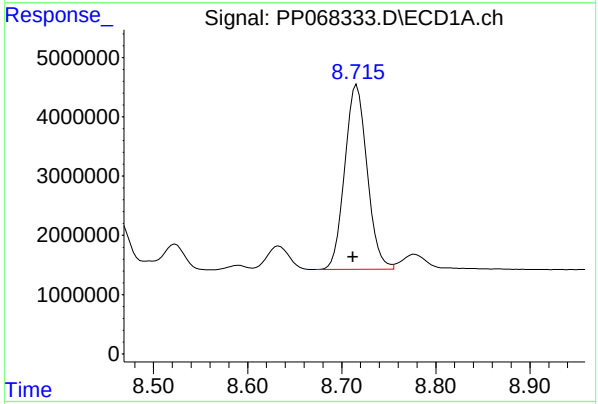
R.T.: 8.379 min
Delta R.T.: 0.004 min
Response: 28891280
Conc: 479.97 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
AR1660CCC500



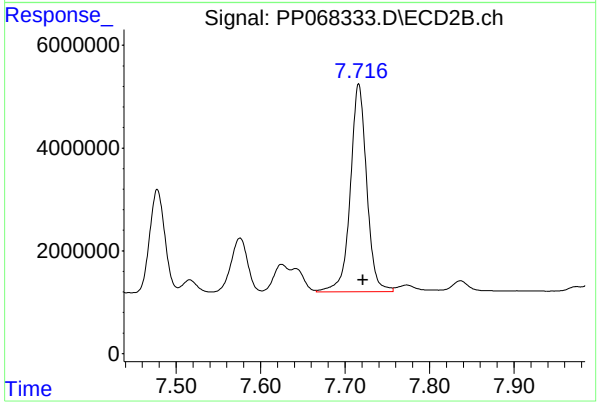

#34 AR-1260-4

R.T.: 7.478 min
Delta R.T.: -0.005 min
Response: 24939603
Conc: 451.05 ng/ml




#35 AR-1260-5

R.T.: 8.716 min
Delta R.T.: 0.004 min
Response: 51416615
Conc: 477.35 ng/ml




#35 AR-1260-5

R.T.: 7.716 min
Delta R.T.: -0.005 min
Response: 54460893
Conc: 445.31 ng/ml

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

# Analytical Sequence

**Client:** Weston Solutions, Inc. **SDG No.:** P4620

**Project:** RFP 872 **Instrument ID:** ECD_O

**GC Column:** ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/15/2024 | 18:08 | PO107183.D | 10.06 | 4.37 |
| AR1660ICC1000 | AR1660ICC1000 | 10/15/2024 | 18:27 | PO107184.D | 10.06 | 4.37 |
| AR1660ICC750 | AR1660ICC750 | 10/15/2024 | 18:45 | PO107185.D | 10.06 | 4.37 |
| AR1660ICC500 | AR1660ICC500 | 10/15/2024 | 19:03 | PO107186.D | 10.06 | 4.37 |
| AR1660ICC250 | AR1660ICC250 | 10/15/2024 | 19:21 | PO107187.D | 10.06 | 4.37 |
| AR1660ICC050 | AR1660ICC050 | 10/15/2024 | 19:39 | PO107188.D | 10.06 | 4.37 |
| AR1221ICC500 | AR1221ICC500 | 10/15/2024 | 19:57 | PO107189.D | 10.06 | 4.37 |
| AR1232ICC500 | AR1232ICC500 | 10/15/2024 | 20:15 | PO107190.D | 10.06 | 4.37 |
| AR1242ICC1000 | AR1242ICC1000 | 10/15/2024 | 20:34 | PO107191.D | 10.06 | 4.37 |
| AR1242ICC750 | AR1242ICC750 | 10/15/2024 | 20:52 | PO107192.D | 10.06 | 4.37 |
| AR1242ICC500 | AR1242ICC500 | 10/15/2024 | 21:10 | PO107193.D | 10.06 | 4.37 |
| AR1242ICC250 | AR1242ICC250 | 10/15/2024 | 21:28 | PO107194.D | 10.06 | 4.37 |
| AR1242ICC050 | AR1242ICC050 | 10/15/2024 | 21:46 | PO107195.D | 10.06 | 4.37 |
| AR1248ICC1000 | AR1248ICC1000 | 10/15/2024 | 22:04 | PO107196.D | 10.06 | 4.37 |
| AR1248ICC750 | AR1248ICC750 | 10/15/2024 | 22:22 | PO107197.D | 10.06 | 4.37 |
| AR1248ICC500 | AR1248ICC500 | 10/15/2024 | 22:41 | PO107198.D | 10.06 | 4.37 |
| AR1248ICC250 | AR1248ICC250 | 10/15/2024 | 22:59 | PO107199.D | 10.06 | 4.37 |
| AR1248ICC050 | AR1248ICC050 | 10/15/2024 | 23:17 | PO107200.D | 10.06 | 4.37 |
| AR1254ICC1000 | AR1254ICC1000 | 10/15/2024 | 23:35 | PO107201.D | 10.06 | 4.37 |
| AR1254ICC750 | AR1254ICC750 | 10/15/2024 | 23:53 | PO107202.D | 10.06 | 4.37 |
| AR1254ICC500 | AR1254ICC500 | 10/16/2024 | 00:11 | PO107203.D | 10.06 | 4.37 |
| AR1254ICC250 | AR1254ICC250 | 10/16/2024 | 00:29 | PO107204.D | 10.06 | 4.37 |
| AR1254ICC050 | AR1254ICC050 | 10/16/2024 | 00:47 | PO107205.D | 10.06 | 4.37 |
| AR1262ICC500 | AR1262ICC500 | 10/16/2024 | 01:05 | PO107206.D | 10.06 | 4.37 |
| AR1268ICC1000 | AR1268ICC1000 | 10/16/2024 | 01:23 | PO107207.D | 10.06 | 4.37 |
| AR1268ICC750 | AR1268ICC750 | 10/16/2024 | 01:41 | PO107208.D | 10.06 | 4.37 |
| AR1268ICC500 | AR1268ICC500 | 10/16/2024 | 01:59 | PO107209.D | 10.06 | 4.37 |
| AR1268ICC250 | AR1268ICC250 | 10/16/2024 | 02:18 | PO107210.D | 10.06 | 4.37 |
| AR1268ICC050 | AR1268ICC050 | 10/16/2024 | 02:36 | PO107211.D | 10.06 | 4.37 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 17:10 | PO107564.D | 10.07 | 4.37 |
| I.BLK | I.BLK | 10/31/2024 | 18:15 | PO107568.D | 10.07 | 4.37 |
| P001-CF13-01 | P4620-16 | 10/31/2024 | 18:31 | PO107569.D | 10.07 | 4.37 |
| P001-CF14-01 | P4620-18 | 10/31/2024 | 18:48 | PO107570.D | 10.07 | 4.37 |
| P001-CF15-01 | P4620-20 | 10/31/2024 | 19:04 | PO107571.D | 10.07 | 4.37 |
| P001-CF16-01 | P4620-25 | 10/31/2024 | 19:20 | PO107572.D | 10.07 | 4.37 |
| P001-CF16-01MS | P4620-26MS | 10/31/2024 | 19:36 | PO107573.D | 10.07 | 4.37 |
| P001-CF16-01MSD | P4620-27MSD | 10/31/2024 | 19:52 | PO107574.D | 10.07 | 4.37 |
| P001-CF16-02 | P4620-30 | 10/31/2024 | 20:09 | PO107575.D | 10.07 | 4.37 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 20:55 | PO107576.D | 10.07 | 4.37 |
| I.BLK | I.BLK | 10/31/2024 | 21:59 | PO107580.D | 10.07 | 4.37 |
| I.BLK | I.BLK | 10/08/2024 | 16:14 | PP067586.D | 10.67 | 4.75 |
| AR1660ICC1000 | AR1660ICC1000 | 10/08/2024 | 16:30 | PP067587.D | 10.67 | 4.75 |

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Fax : 908 789 8922

# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1660ICC750 | AR1660ICC750 | 10/08/2024 | 16:46 | PP067588.D | 10.67 | 4.75 |
| AR1660ICC500 | AR1660ICC500 | 10/08/2024 | 17:02 | PP067589.D | 10.67 | 4.76 |
| AR1660ICC250 | AR1660ICC250 | 10/08/2024 | 17:19 | PP067590.D | 10.67 | 4.75 |
| AR1660ICC050 | AR1660ICC050 | 10/08/2024 | 17:35 | PP067591.D | 10.67 | 4.76 |
| AR1221ICC500 | AR1221ICC500 | 10/08/2024 | 17:51 | PP067592.D | 10.67 | 4.75 |
| AR1232ICC500 | AR1232ICC500 | 10/08/2024 | 18:07 | PP067593.D | 10.67 | 4.75 |
| AR1242ICC1000 | AR1242ICC1000 | 10/08/2024 | 18:23 | PP067594.D | 10.67 | 4.76 |
| AR1242ICC750 | AR1242ICC750 | 10/08/2024 | 18:39 | PP067595.D | 10.67 | 4.76 |
| AR1242ICC500 | AR1242ICC500 | 10/08/2024 | 18:55 | PP067596.D | 10.67 | 4.75 |
| AR1242ICC250 | AR1242ICC250 | 10/08/2024 | 19:12 | PP067597.D | 10.67 | 4.76 |
| AR1242ICC050 | AR1242ICC050 | 10/08/2024 | 19:28 | PP067598.D | 10.67 | 4.75 |
| AR1248ICC1000 | AR1248ICC1000 | 10/08/2024 | 19:44 | PP067599.D | 10.67 | 4.75 |
| AR1248ICC750 | AR1248ICC750 | 10/08/2024 | 20:00 | PP067600.D | 10.67 | 4.75 |
| AR1248ICC500 | AR1248ICC500 | 10/08/2024 | 20:16 | PP067601.D | 10.67 | 4.75 |
| AR1248ICC250 | AR1248ICC250 | 10/08/2024 | 20:32 | PP067602.D | 10.67 | 4.75 |
| AR1248ICC050 | AR1248ICC050 | 10/08/2024 | 20:49 | PP067603.D | 10.66 | 4.75 |
| AR1254ICC1000 | AR1254ICC1000 | 10/08/2024 | 21:05 | PP067604.D | 10.67 | 4.76 |
| AR1254ICC750 | AR1254ICC750 | 10/08/2024 | 21:21 | PP067605.D | 10.67 | 4.75 |
| AR1254ICC500 | AR1254ICC500 | 10/08/2024 | 21:37 | PP067606.D | 10.67 | 4.75 |
| AR1254ICC250 | AR1254ICC250 | 10/08/2024 | 21:53 | PP067607.D | 10.67 | 4.75 |
| AR1254ICC050 | AR1254ICC050 | 10/08/2024 | 22:09 | PP067608.D | 10.66 | 4.75 |
| AR1262ICC500 | AR1262ICC500 | 10/08/2024 | 22:25 | PP067609.D | 10.66 | 4.75 |
| AR1268ICC1000 | AR1268ICC1000 | 10/08/2024 | 22:42 | PP067610.D | 10.67 | 4.76 |
| AR1268ICC750 | AR1268ICC750 | 10/08/2024 | 22:58 | PP067611.D | 10.67 | 4.75 |
| AR1268ICC500 | AR1268ICC500 | 10/08/2024 | 23:14 | PP067612.D | 10.67 | 4.75 |
| AR1268ICC250 | AR1268ICC250 | 10/08/2024 | 23:30 | PP067613.D | 10.67 | 4.75 |
| AR1268ICC050 | AR1268ICC050 | 10/08/2024 | 23:46 | PP067614.D | 10.67 | 4.75 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 13:57 | PP068318.D | 10.68 | 4.76 |
| I.BLK | I.BLK | 10/31/2024 | 15:10 | PP068322.D | 10.68 | 4.76 |
| PB164566BL | PB164566BL | 10/31/2024 | 15:39 | PP068323.D | 10.69 | 4.77 |
| PB164566BS | PB164566BS | 10/31/2024 | 15:55 | PP068324.D | 10.68 | 4.76 |
| PB164566TB | PB164566TB | 10/31/2024 | 16:11 | PP068325.D | 10.68 | 4.76 |
| P001-CF06-01 | P4620-02 | 10/31/2024 | 16:28 | PP068326.D | 10.67 | 4.76 |
| P001-CF07-01 | P4620-04 | 10/31/2024 | 16:44 | PP068327.D | 10.67 | 4.76 |
| P001-CF08-01 | P4620-06 | 10/31/2024 | 17:01 | PP068328.D | 10.68 | 4.76 |
| P001-CF09-01 | P4620-08 | 10/31/2024 | 17:17 | PP068329.D | 10.67 | 4.76 |
| P001-CF10-01 | P4620-10 | 10/31/2024 | 17:33 | PP068330.D | 10.67 | 4.76 |
| P001-CF11-01 | P4620-12 | 10/31/2024 | 17:50 | PP068331.D | 10.67 | 4.76 |
| P001-CF12-01 | P4620-14 | 10/31/2024 | 18:06 | PP068332.D | 10.67 | 4.76 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 18:55 | PP068333.D | 10.68 | 4.76 |
| I.BLK | I.BLK | 10/31/2024 | 20:01 | PP068337.D | 10.67 | 4.76 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Analytical Sequence

**Client:** Weston Solutions, Inc. **SDG No.:** P4620

**Project:** RFP 872 **Instrument ID:** ECD_O

**GC Column:** ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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

| EPA SAMPLE NO. | LAB SAMPLE ID | DATE ANALYZED | TIME ANALYZED | DATAFILE | DCB RT # | TCX RT # |
|---|---|---|---|---|---|---|
| I.BLK | I.BLK | 10/15/2024 | 18:08 | PO107183.D | 8.64 | 3.64 |
| AR1660ICC1000 | AR1660ICC1000 | 10/15/2024 | 18:27 | PO107184.D | 8.64 | 3.64 |
| AR1660ICC750 | AR1660ICC750 | 10/15/2024 | 18:45 | PO107185.D | 8.64 | 3.64 |
| AR1660ICC500 | AR1660ICC500 | 10/15/2024 | 19:03 | PO107186.D | 8.64 | 3.65 |
| AR1660ICC250 | AR1660ICC250 | 10/15/2024 | 19:21 | PO107187.D | 8.64 | 3.64 |
| AR1660ICC050 | AR1660ICC050 | 10/15/2024 | 19:39 | PO107188.D | 8.64 | 3.64 |
| AR1221ICC500 | AR1221ICC500 | 10/15/2024 | 19:57 | PO107189.D | 8.64 | 3.64 |
| AR1232ICC500 | AR1232ICC500 | 10/15/2024 | 20:15 | PO107190.D | 8.64 | 3.64 |
| AR1242ICC1000 | AR1242ICC1000 | 10/15/2024 | 20:34 | PO107191.D | 8.64 | 3.64 |
| AR1242ICC750 | AR1242ICC750 | 10/15/2024 | 20:52 | PO107192.D | 8.64 | 3.64 |
| AR1242ICC500 | AR1242ICC500 | 10/15/2024 | 21:10 | PO107193.D | 8.64 | 3.64 |
| AR1242ICC250 | AR1242ICC250 | 10/15/2024 | 21:28 | PO107194.D | 8.64 | 3.65 |
| AR1242ICC050 | AR1242ICC050 | 10/15/2024 | 21:46 | PO107195.D | 8.64 | 3.64 |
| AR1248ICC1000 | AR1248ICC1000 | 10/15/2024 | 22:04 | PO107196.D | 8.64 | 3.64 |
| AR1248ICC750 | AR1248ICC750 | 10/15/2024 | 22:22 | PO107197.D | 8.64 | 3.64 |
| AR1248ICC500 | AR1248ICC500 | 10/15/2024 | 22:41 | PO107198.D | 8.64 | 3.64 |
| AR1248ICC250 | AR1248ICC250 | 10/15/2024 | 22:59 | PO107199.D | 8.64 | 3.64 |
| AR1248ICC050 | AR1248ICC050 | 10/15/2024 | 23:17 | PO107200.D | 8.64 | 3.64 |
| AR1254ICC1000 | AR1254ICC1000 | 10/15/2024 | 23:35 | PO107201.D | 8.64 | 3.65 |
| AR1254ICC750 | AR1254ICC750 | 10/15/2024 | 23:53 | PO107202.D | 8.64 | 3.64 |
| AR1254ICC500 | AR1254ICC500 | 10/16/2024 | 00:11 | PO107203.D | 8.64 | 3.64 |
| AR1254ICC250 | AR1254ICC250 | 10/16/2024 | 00:29 | PO107204.D | 8.64 | 3.64 |
| AR1254ICC050 | AR1254ICC050 | 10/16/2024 | 00:47 | PO107205.D | 8.64 | 3.65 |
| AR1262ICC500 | AR1262ICC500 | 10/16/2024 | 01:05 | PO107206.D | 8.64 | 3.64 |
| AR1268ICC1000 | AR1268ICC1000 | 10/16/2024 | 01:23 | PO107207.D | 8.64 | 3.65 |
| AR1268ICC750 | AR1268ICC750 | 10/16/2024 | 01:41 | PO107208.D | 8.64 | 3.64 |
| AR1268ICC500 | AR1268ICC500 | 10/16/2024 | 01:59 | PO107209.D | 8.64 | 3.65 |
| AR1268ICC250 | AR1268ICC250 | 10/16/2024 | 02:18 | PO107210.D | 8.64 | 3.64 |
| AR1268ICC050 | AR1268ICC050 | 10/16/2024 | 02:36 | PO107211.D | 8.64 | 3.65 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 17:10 | PO107564.D | 8.64 | 3.65 |
| I.BLK | I.BLK | 10/31/2024 | 18:15 | PO107568.D | 8.64 | 3.64 |
| P001-CF13-01 | P4620-16 | 10/31/2024 | 18:31 | PO107569.D | 8.64 | 3.64 |
| P001-CF14-01 | P4620-18 | 10/31/2024 | 18:48 | PO107570.D | 8.64 | 3.64 |
| P001-CF15-01 | P4620-20 | 10/31/2024 | 19:04 | PO107571.D | 8.64 | 3.64 |
| P001-CF16-01 | P4620-25 | 10/31/2024 | 19:20 | PO107572.D | 8.64 | 3.64 |
| P001-CF16-01MS | P4620-26MS | 10/31/2024 | 19:36 | PO107573.D | 8.64 | 3.64 |
| P001-CF16-01MSD | P4620-27MSD | 10/31/2024 | 19:52 | PO107574.D | 8.64 | 3.64 |
| P001-CF16-02 | P4620-30 | 10/31/2024 | 20:09 | PO107575.D | 8.64 | 3.64 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 20:55 | PO107576.D | 8.64 | 3.64 |
| I.BLK | I.BLK | 10/31/2024 | 21:59 | PO107580.D | 8.64 | 3.64 |
| I.BLK | I.BLK | 10/08/2024 | 16:14 | PP067586.D | 9.22 | 4.05 |
| AR1660ICC1000 | AR1660ICC1000 | 10/08/2024 | 16:30 | PP067587.D | 9.22 | 4.05 |

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Analytical Sequence

| | | | | | | |
|---|---|---|---|---|---|---|
| AR1660ICC750 | AR1660ICC750 | 10/08/2024 | 16:46 | PP067588.D | 9.22 | 4.05 |
| AR1660ICC500 | AR1660ICC500 | 10/08/2024 | 17:02 | PP067589.D | 9.22 | 4.05 |
| AR1660ICC250 | AR1660ICC250 | 10/08/2024 | 17:19 | PP067590.D | 9.22 | 4.05 |
| AR1660ICC050 | AR1660ICC050 | 10/08/2024 | 17:35 | PP067591.D | 9.22 | 4.05 |
| AR1221ICC500 | AR1221ICC500 | 10/08/2024 | 17:51 | PP067592.D | 9.22 | 4.05 |
| AR1232ICC500 | AR1232ICC500 | 10/08/2024 | 18:07 | PP067593.D | 9.22 | 4.05 |
| AR1242ICC1000 | AR1242ICC1000 | 10/08/2024 | 18:23 | PP067594.D | 9.22 | 4.05 |
| AR1242ICC750 | AR1242ICC750 | 10/08/2024 | 18:39 | PP067595.D | 9.22 | 4.05 |
| AR1242ICC500 | AR1242ICC500 | 10/08/2024 | 18:55 | PP067596.D | 9.22 | 4.05 |
| AR1242ICC250 | AR1242ICC250 | 10/08/2024 | 19:12 | PP067597.D | 9.22 | 4.05 |
| AR1242ICC050 | AR1242ICC050 | 10/08/2024 | 19:28 | PP067598.D | 9.22 | 4.05 |
| AR1248ICC1000 | AR1248ICC1000 | 10/08/2024 | 19:44 | PP067599.D | 9.22 | 4.05 |
| AR1248ICC750 | AR1248ICC750 | 10/08/2024 | 20:00 | PP067600.D | 9.22 | 4.05 |
| AR1248ICC500 | AR1248ICC500 | 10/08/2024 | 20:16 | PP067601.D | 9.22 | 4.05 |
| AR1248ICC250 | AR1248ICC250 | 10/08/2024 | 20:32 | PP067602.D | 9.22 | 4.05 |
| AR1248ICC050 | AR1248ICC050 | 10/08/2024 | 20:49 | PP067603.D | 9.22 | 4.05 |
| AR1254ICC1000 | AR1254ICC1000 | 10/08/2024 | 21:05 | PP067604.D | 9.22 | 4.05 |
| AR1254ICC750 | AR1254ICC750 | 10/08/2024 | 21:21 | PP067605.D | 9.22 | 4.05 |
| AR1254ICC500 | AR1254ICC500 | 10/08/2024 | 21:37 | PP067606.D | 9.22 | 4.05 |
| AR1254ICC250 | AR1254ICC250 | 10/08/2024 | 21:53 | PP067607.D | 9.22 | 4.05 |
| AR1254ICC050 | AR1254ICC050 | 10/08/2024 | 22:09 | PP067608.D | 9.22 | 4.05 |
| AR1262ICC500 | AR1262ICC500 | 10/08/2024 | 22:25 | PP067609.D | 9.22 | 4.05 |
| AR1268ICC1000 | AR1268ICC1000 | 10/08/2024 | 22:42 | PP067610.D | 9.22 | 4.05 |
| AR1268ICC750 | AR1268ICC750 | 10/08/2024 | 22:58 | PP067611.D | 9.22 | 4.05 |
| AR1268ICC500 | AR1268ICC500 | 10/08/2024 | 23:14 | PP067612.D | 9.22 | 4.05 |
| AR1268ICC250 | AR1268ICC250 | 10/08/2024 | 23:30 | PP067613.D | 9.22 | 4.05 |
| AR1268ICC050 | AR1268ICC050 | 10/08/2024 | 23:46 | PP067614.D | 9.22 | 4.05 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 13:57 | PP068318.D | 9.21 | 4.05 |
| I.BLK | I.BLK | 10/31/2024 | 15:10 | PP068322.D | 9.21 | 4.05 |
| PB164566BL | PB164566BL | 10/31/2024 | 15:39 | PP068323.D | 9.22 | 4.05 |
| PB164566BS | PB164566BS | 10/31/2024 | 15:55 | PP068324.D | 9.21 | 4.05 |
| PB164566TB | PB164566TB | 10/31/2024 | 16:11 | PP068325.D | 9.21 | 4.05 |
| P001-CF06-01 | P4620-02 | 10/31/2024 | 16:28 | PP068326.D | 9.21 | 4.05 |
| P001-CF07-01 | P4620-04 | 10/31/2024 | 16:44 | PP068327.D | 9.21 | 4.05 |
| P001-CF08-01 | P4620-06 | 10/31/2024 | 17:01 | PP068328.D | 9.21 | 4.05 |
| P001-CF09-01 | P4620-08 | 10/31/2024 | 17:17 | PP068329.D | 9.21 | 4.05 |
| P001-CF10-01 | P4620-10 | 10/31/2024 | 17:33 | PP068330.D | 9.21 | 4.05 |
| P001-CF11-01 | P4620-12 | 10/31/2024 | 17:50 | PP068331.D | 9.21 | 4.05 |
| P001-CF12-01 | P4620-14 | 10/31/2024 | 18:06 | PP068332.D | 9.21 | 4.05 |
| AR1660CCC500 | AR1660CCC500 | 10/31/2024 | 18:55 | PP068333.D | 9.21 | 4.05 |
| I.BLK | I.BLK | 10/31/2024 | 20:01 | PP068337.D | 9.21 | 4.05 |

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

**IDENTIFICATION SUMMARY**
**FOR MULTICOMPONENT ANALYTES**

**SAMPLE NO.**

P001-CF16-01MS

Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: P4620-26MS Date(s) Analyzed: 10/31/2024 10/31/2024

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 PO107573.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.521 | 5.471 | 5.571 | 5.72 | | |
| | 2 | 5.544 | 5.494 | 5.594 | 5.66 | | |
| | 3 | 5.606 | 5.556 | 5.656 | 5.63 | | |
| COLUMN 1 | 4 | 5.703 | 5.653 | 5.753 | 5.97 | | |
| | 5 | 5.998 | 5.948 | 6.048 | 5.74 | 5.70 | |
| | 1 | 4.725 | 4.675 | 4.775 | 5.94 | | |
| | 2 | 4.743 | 4.693 | 4.793 | 5.94 | | |
| | 3 | 4.92 | 4.87 | 4.97 | 5.85 | | |
| | 4 | 4.961 | 4.911 | 5.011 | 5.27 | | |
| COLUMN 2 | 5 | 5.174 | 5.124 | 5.224 | 5.66 | 5.70 | 0 |
| Aroclor-1260 | 1 | 7.126 | 7.076 | 7.176 | 5.44 | | |
| | 2 | 7.384 | 7.334 | 7.434 | 5.94 | | |
| | 3 | 7.746 | 7.696 | 7.796 | 5.40 | | |
| COLUMN 1 | 4 | 7.971 | 7.921 | 8.021 | 6.08 | | |
| | 5 | 8.285 | 8.235 | 8.335 | 5.33 | 5.60 | |
| | 1 | 6.205 | 6.155 | 6.255 | 6.04 | | |
| | 2 | 6.392 | 6.342 | 6.442 | 6.26 | | |
| | 3 | 6.545 | 6.495 | 6.595 | 6.23 | | |
| | 4 | 7.017 | 6.967 | 7.067 | 5.31 | | |
| COLUMN 2 | 5 | 7.258 | 7.208 | 7.308 | 5.64 | 5.90 | 5.22 |

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Fax : 908 789 8922

# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-CF16-01MSD

Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: P4620-27MSD Date(s) Analyzed: 10/31/2024 10/31/2024

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 PO107574.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.521 | 5.471 | 5.571 | 5.65 | | |
| | 2 | 5.543 | 5.493 | 5.593 | 5.73 | | |
| | 3 | 5.606 | 5.556 | 5.656 | 5.61 | | |
| COLUMN 1 | 4 | 5.703 | 5.653 | 5.753 | 5.98 | | |
| | 5 | 5.998 | 5.948 | 6.048 | 5.80 | 5.80 | |
| | 1 | 4.725 | 4.675 | 4.775 | 6.01 | | |
| | 2 | 4.744 | 4.694 | 4.794 | 5.93 | | |
| | 3 | 4.92 | 4.87 | 4.97 | 5.87 | | |
| | 4 | 4.961 | 4.911 | 5.011 | 5.28 | | |
| COLUMN 2 | 5 | 5.174 | 5.124 | 5.224 | 5.66 | 5.80 | 0 |
| Aroclor-1260 | 1 | 7.127 | 7.077 | 7.177 | 5.51 | | |
| | 2 | 7.383 | 7.333 | 7.433 | 5.84 | | |
| | 3 | 7.746 | 7.696 | 7.796 | 5.37 | | |
| COLUMN 1 | 4 | 7.97 | 7.92 | 8.02 | 6.00 | | |
| | 5 | 8.285 | 8.235 | 8.335 | 5.42 | 5.60 | |
| | 1 | 6.205 | 6.155 | 6.255 | 6.07 | | |
| | 2 | 6.392 | 6.342 | 6.442 | 6.27 | | |
| | 3 | 6.545 | 6.495 | 6.595 | 6.25 | | |
| | 4 | 7.017 | 6.967 | 7.067 | 5.32 | | |
| COLUMN 2 | 5 | 7.258 | 7.208 | 7.308 | 5.66 | 5.90 | 5.22 |

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Fax : 908 789 8922

# IDENTIFICATION SUMMARY
## FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164566BS

Contract: ROYF02

Lab Code: CHEM Case No.: P4620 SAS No.: P4620 SDG NO.: P4620

Lab Sample ID: PB164566BS Date(s) Analyzed: 10/31/2024 10/31/2024

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

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

Data file PP068324.D

| ANALYTE | COL | RT | RT WINDOW FROM | RT WINDOW TO | CONCENTRATION | MEAN CONCENTRATION | %RPD |
|---|---|---|---|---|---|---|---|
| Aroclor-1016 | 1 | 5.924 | 5.874 | 5.974 | 4.44 | | |
| | 2 | 5.946 | 5.896 | 5.996 | 4.50 | | |
| | 3 | 6.01 | 5.96 | 6.06 | 4.37 | | |
| COLUMN 1 | 4 | 6.108 | 6.058 | 6.158 | 4.24 | | |
| | 5 | 6.402 | 6.352 | 6.452 | 4.05 | 4.30 | |
| | 1 | 5.159 | 5.109 | 5.209 | 3.92 | | |
| | 2 | 5.179 | 5.129 | 5.229 | 4.01 | | |
| | 3 | 5.36 | 5.31 | 5.41 | 4.01 | | |
| | 4 | 5.399 | 5.349 | 5.449 | 4.01 | | |
| COLUMN 2 | 5 | 5.618 | 5.568 | 5.668 | 3.92 | 4.00 | 7.23 |
| Aroclor-1260 | 1 | 7.526 | 7.476 | 7.576 | 4.33 | | |
| | 2 | 7.779 | 7.729 | 7.829 | 4.31 | | |
| | 3 | 8.14 | 8.09 | 8.19 | 3.80 | | |
| COLUMN 1 | 4 | 8.377 | 8.327 | 8.427 | 4.01 | | |
| | 5 | 8.716 | 8.666 | 8.766 | 3.89 | 4.10 | |
| | 1 | 6.661 | 6.611 | 6.711 | 4.15 | | |
| | 2 | 6.847 | 6.797 | 6.897 | 4.18 | | |
| | 3 | 7.004 | 6.954 | 7.054 | 4.15 | | |
| | 4 | 7.479 | 7.429 | 7.529 | 3.69 | | |
| COLUMN 2 | 5 | 7.717 | 7.667 | 7.767 | 3.66 | 4.00 | 2.47 |

# QC SAMPLE DATA

Raw Data: **PP068323.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | |
| Project: | RFP 872 | Date Received: | |
| Client Sample ID: | PB164566BL | SDG No.: | P4620 |
| Lab Sample ID: | PB164566BL | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068323.D | 1 | 10/31/24 10:30 | 10/31/24 15:39 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.3 | | 10 - 157 | 101% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 21.9 | | 10 - 173 | 110% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:39
Operator : YP\AJ
Sample : PB164566BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.767 | 4.053 | 18760743 | 18303066 | 20.268 | 18.115 |
| 2) | SA Decachlor... | 10.690 | 9.216 | 25218695 | 23814974 | 21.904 | 21.236 |
| | Target Compounds | | | | | | |

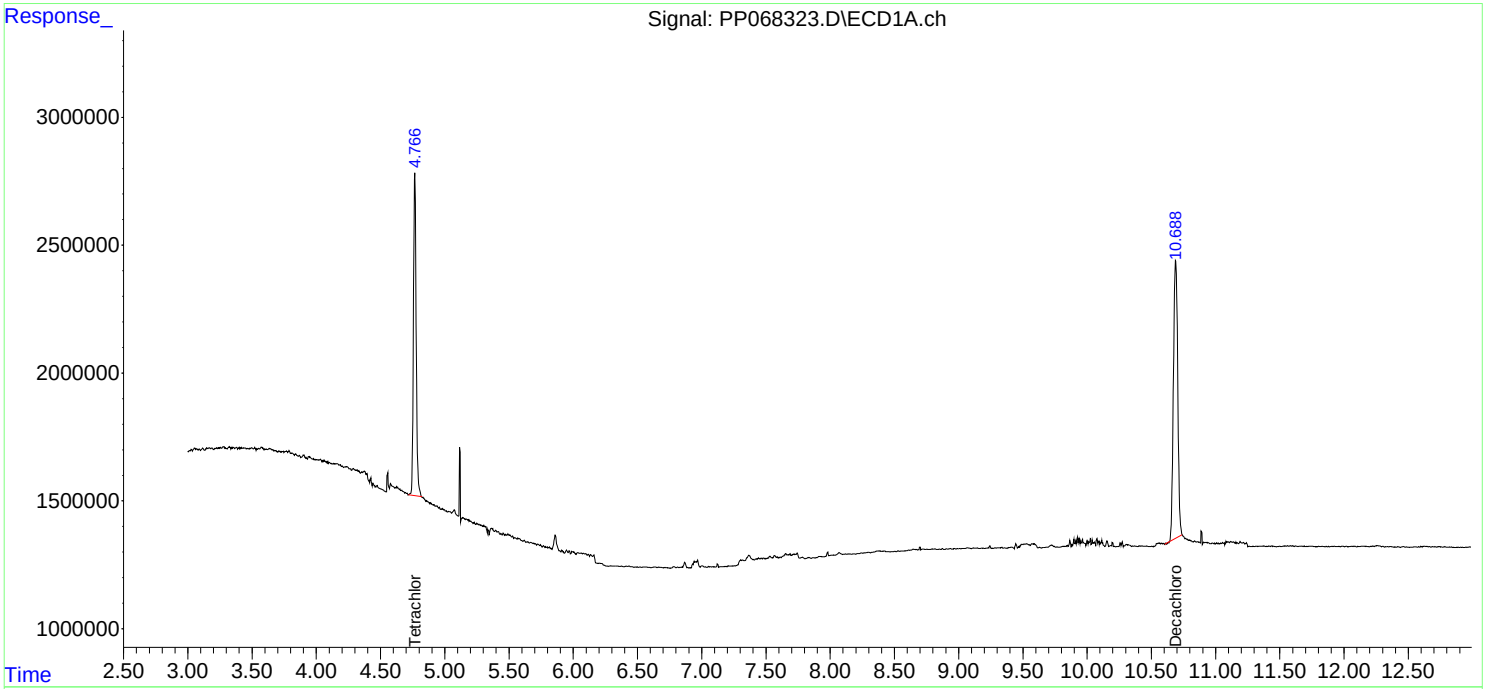
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

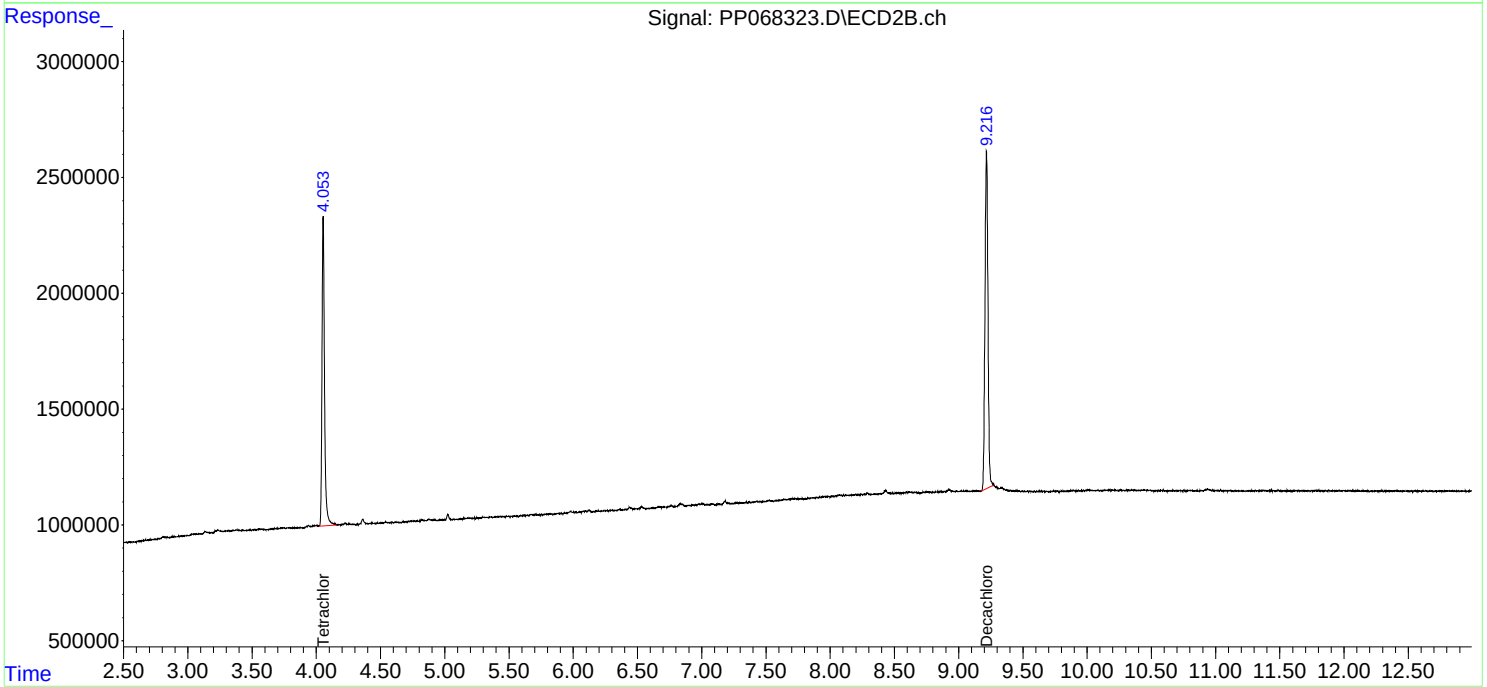
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068323.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:39
Operator : YP\AJ
Sample : PB164566BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

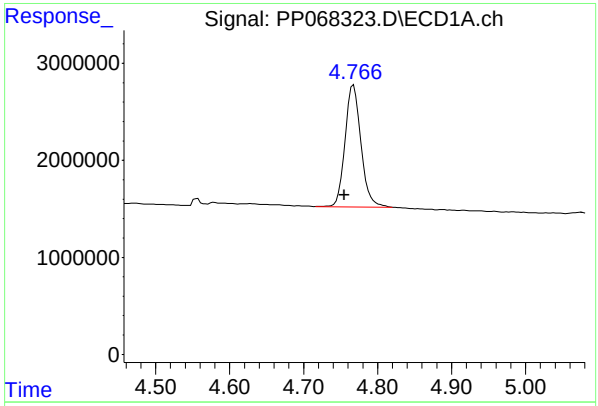
**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



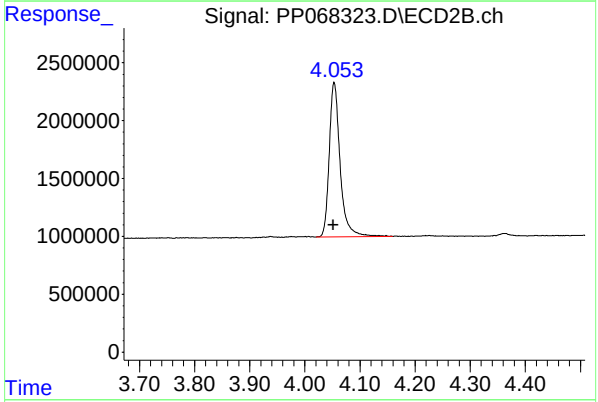






#1 Tetrachloro-m-xylene

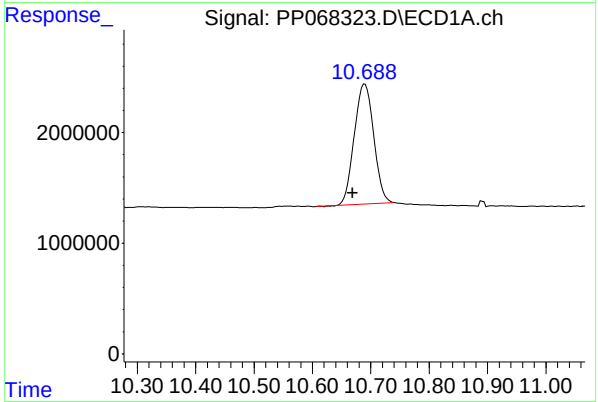
R.T.: 4.767 min
Delta R.T.: 0.012 min
Response: 18760743
Conc: 20.27 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BL



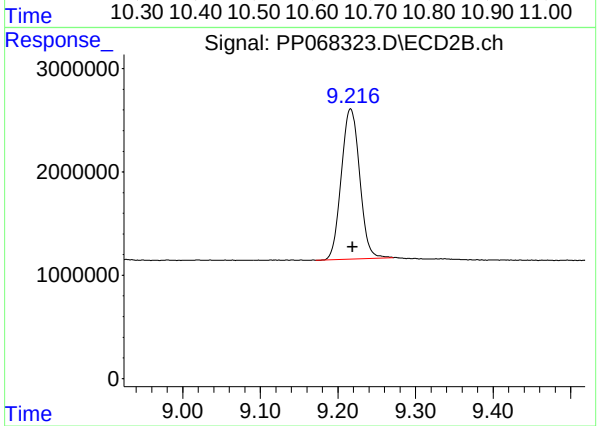

#1 Tetrachloro-m-xylene

R.T.: 4.053 min
Delta R.T.: 0.001 min
Response: 18303066
Conc: 18.11 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.690 min
Delta R.T.: 0.021 min
Response: 25218695
Conc: 21.90 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.216 min
Delta R.T.: -0.003 min
Response: 23814974
Conc: 21.24 ng/ml

Raw Data: **PO107183.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/15/24 |
| Project: | RFP 872 | Date Received: | 10/15/24 |
| Client Sample ID: | PIBLK-PO107183.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PO107183.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107183.D | 1 | | 10/15/24 | po101524 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22.1 | | 60 - 140 | 110% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.8 | | 60 - 140 | 114% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO107183.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
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: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.373 | 3.644 | 204.9E6 | 71065652 | 22.480 | 22.080 |
| 2) | SA Decachlor... | 10.057 | 8.638 | 57445703 | 62504934 | 23.415 | 22.799 |
| | Target Compounds | | | | | | |

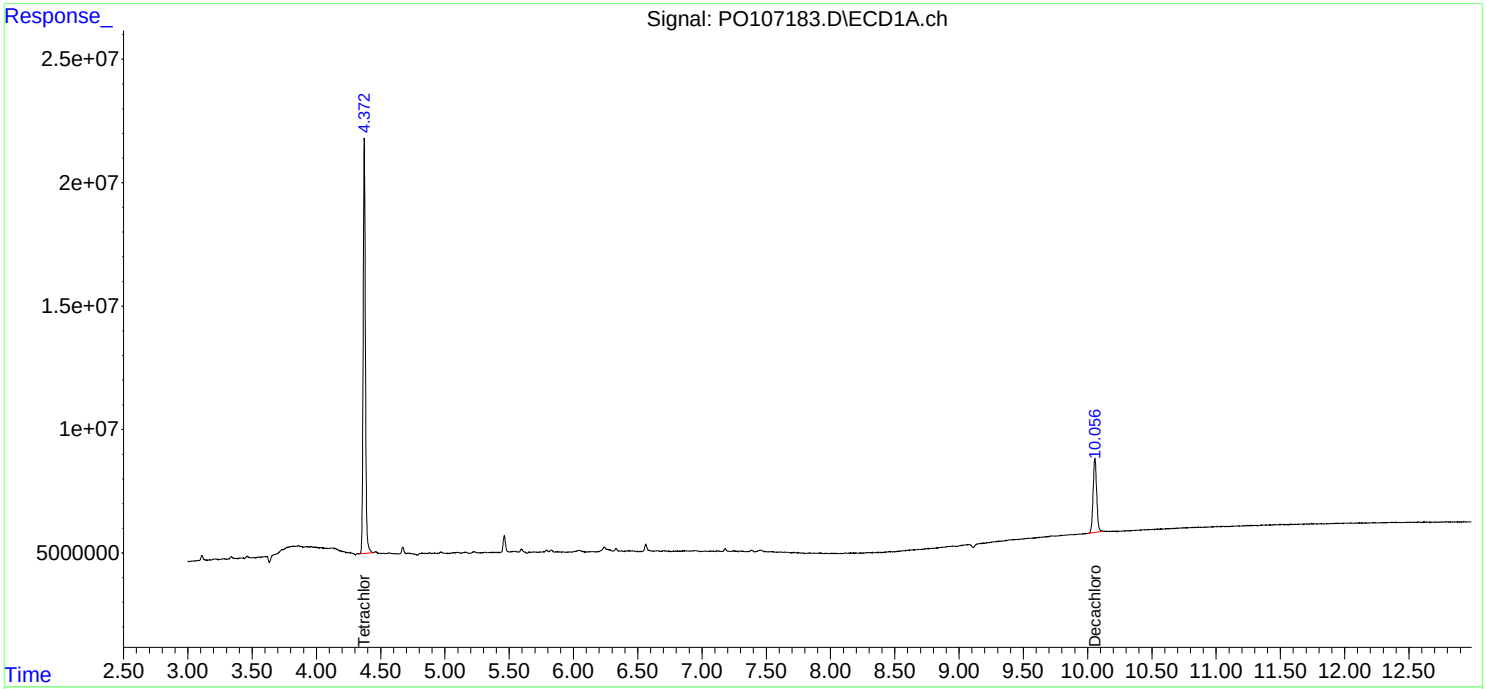
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

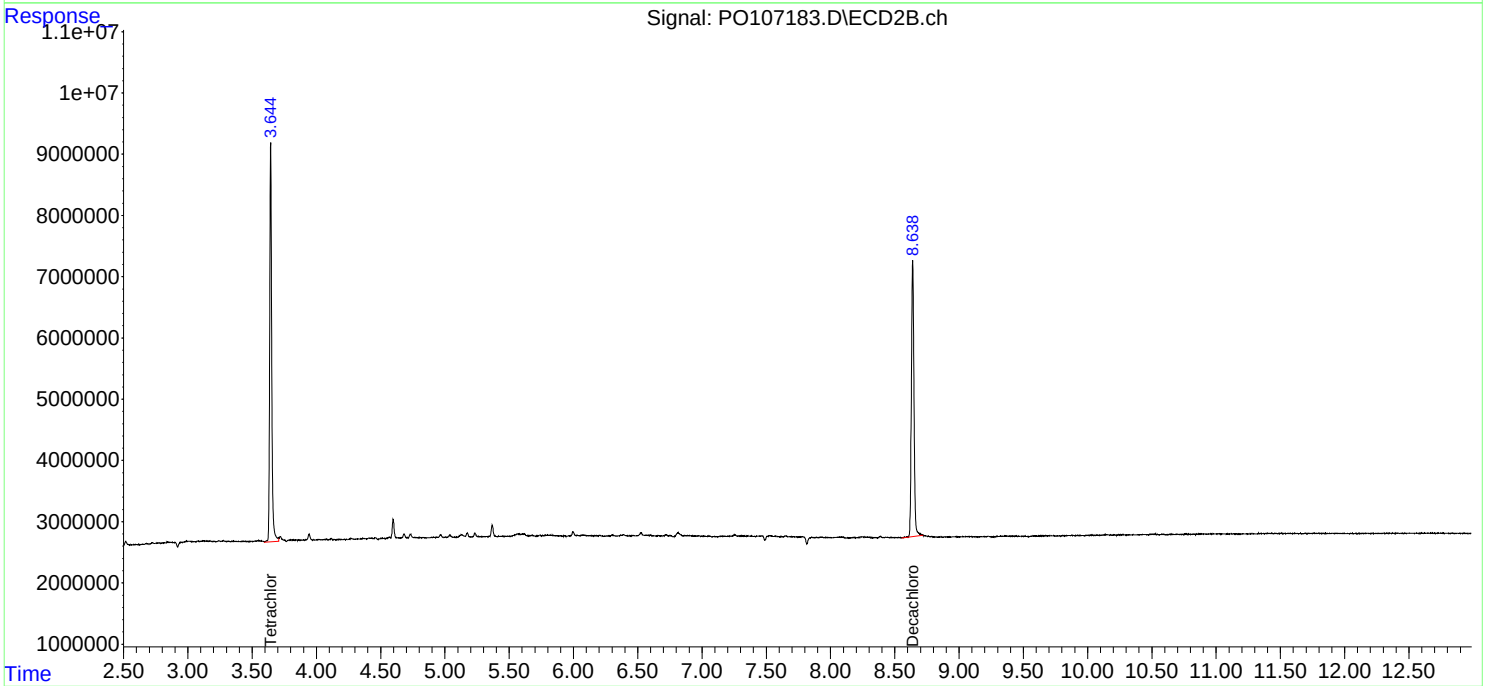
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO101524\
Data File : PO107183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2024 18:08
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

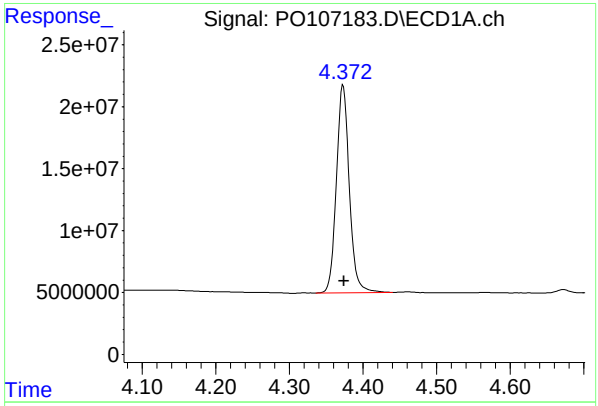
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 04:56:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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



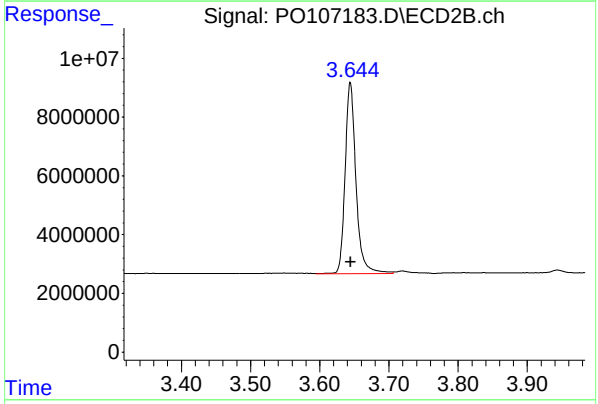






#1 Tetrachloro-m-xylene

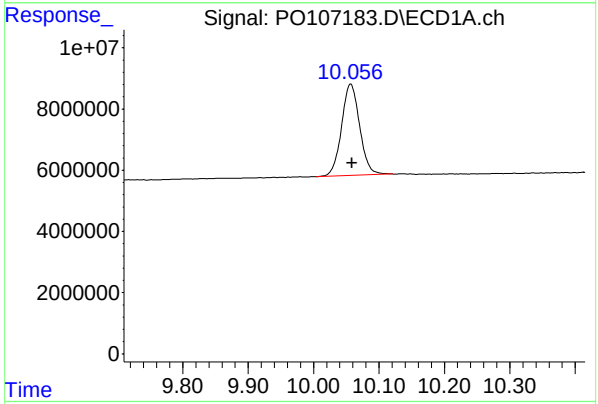
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 204884980
Conc: 22.48 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



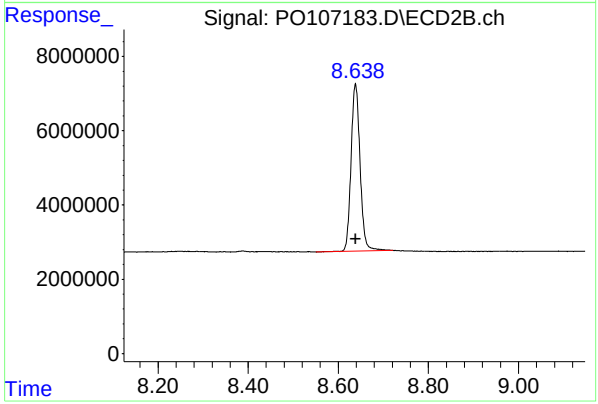

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 71065652
Conc: 22.08 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.057 min
Delta R.T.: -0.002 min
Response: 57445703
Conc: 23.41 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.638 min
Delta R.T.: 0.000 min
Response: 62504934
Conc: 22.80 ng/ml

Raw Data: **PO107568.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/31/24 |
| Project: | RFP 872 | Date Received: | 10/31/24 |
| Client Sample ID: | PIBLK-PO107568.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PO107568.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107568.D | 1 | | 10/31/24 | PO103124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.6 | | 60 - 140 | 98% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.1 | | 60 - 140 | 85% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PO107568.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:15
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: Oct 31 23:11:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.370 | 3.643 | 179.4E6 | 63178128 | 19.683 | 19.630 |
| 2) | SA Decachlor... | 10.068 | 8.640 | 44993635 | 46758892 | 18.339 | 17.055 |
| | Target Compounds | | | | | | |

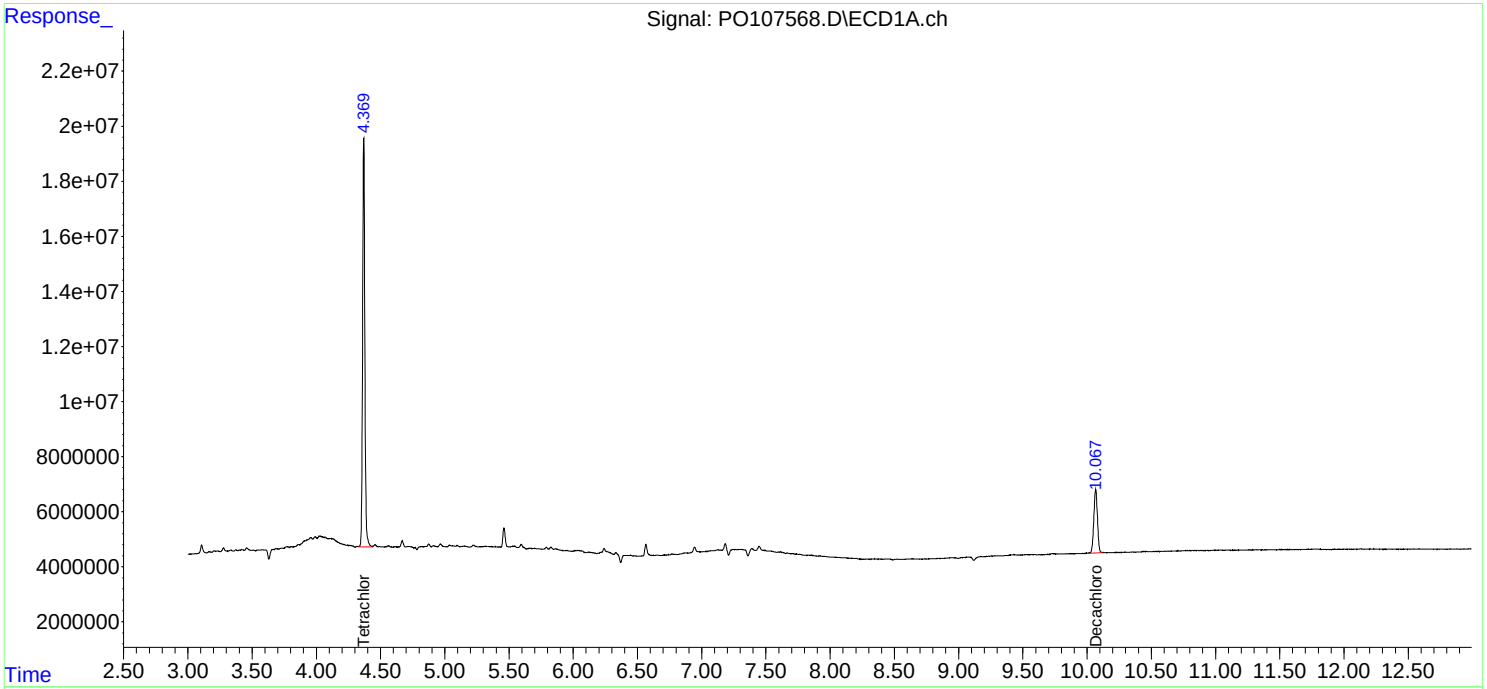
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

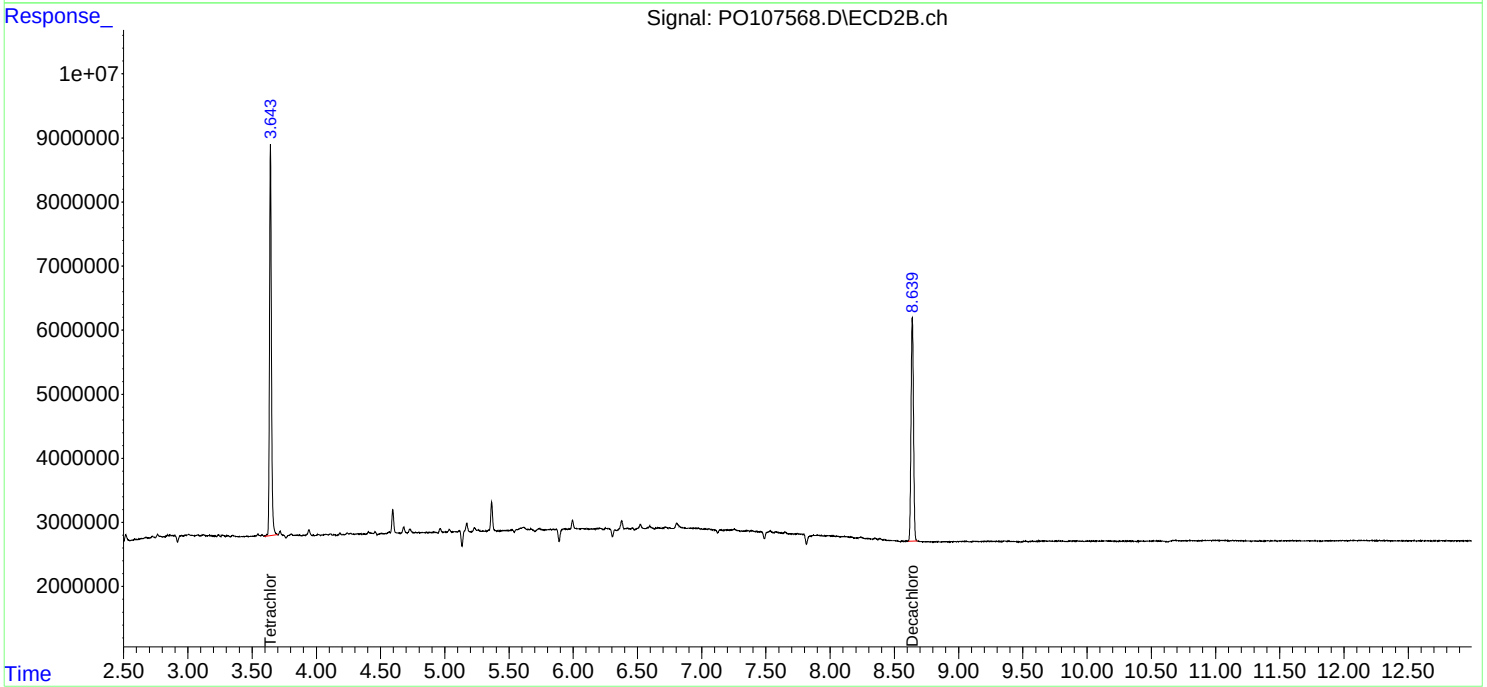
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107568.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 18:15
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

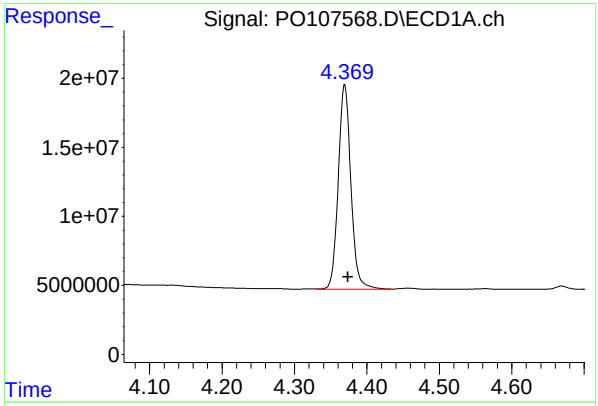
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:11:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



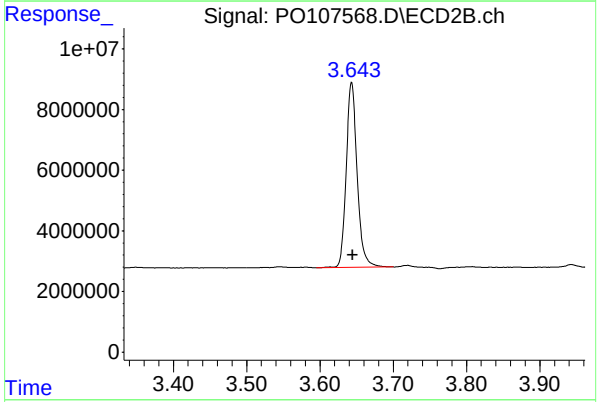






#1 Tetrachloro-m-xylene

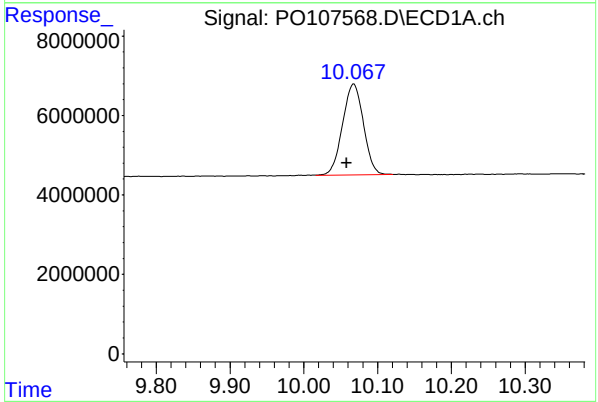
R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 179391623
Conc: 19.68 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



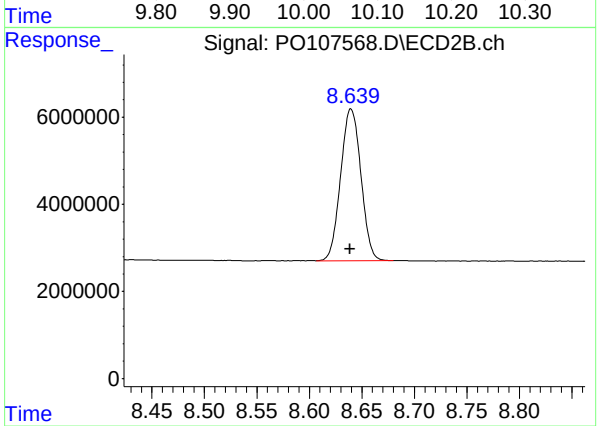

#1 Tetrachloro-m-xylene

R.T.: 3.643 min
Delta R.T.: -0.001 min
Response: 63178128
Conc: 19.63 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 44993635
Conc: 18.34 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 46758892
Conc: 17.06 ng/ml

Raw Data: **PO107580.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/31/24 |
| Project: | RFP 872 | Date Received: | 10/31/24 |
| Client Sample ID: | PIBLK-PO107580.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PO107580.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107580.D | 1 | | 10/31/24 | PO103124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.6 | | 60 - 140 | 98% | 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: **PO107580.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 21:59
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: Oct 31 23:18:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.371 | 3.644 | 182.3E6 | 63095501 | 20.007 | 19.604 |
| 2) | SA Decachlor... | 10.069 | 8.640 | 47535292 | 54305314 | 19.375 | 19.808 |
| | Target Compounds | | | | | | |

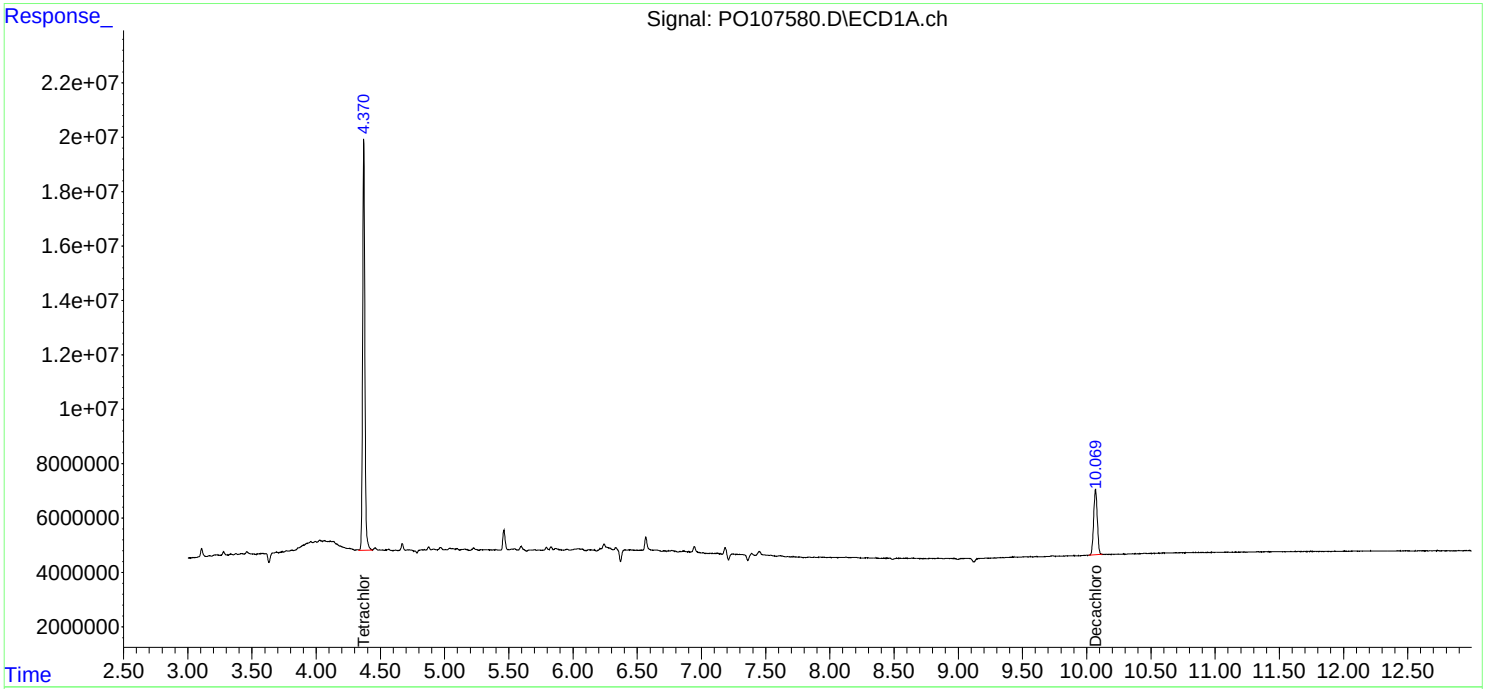
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

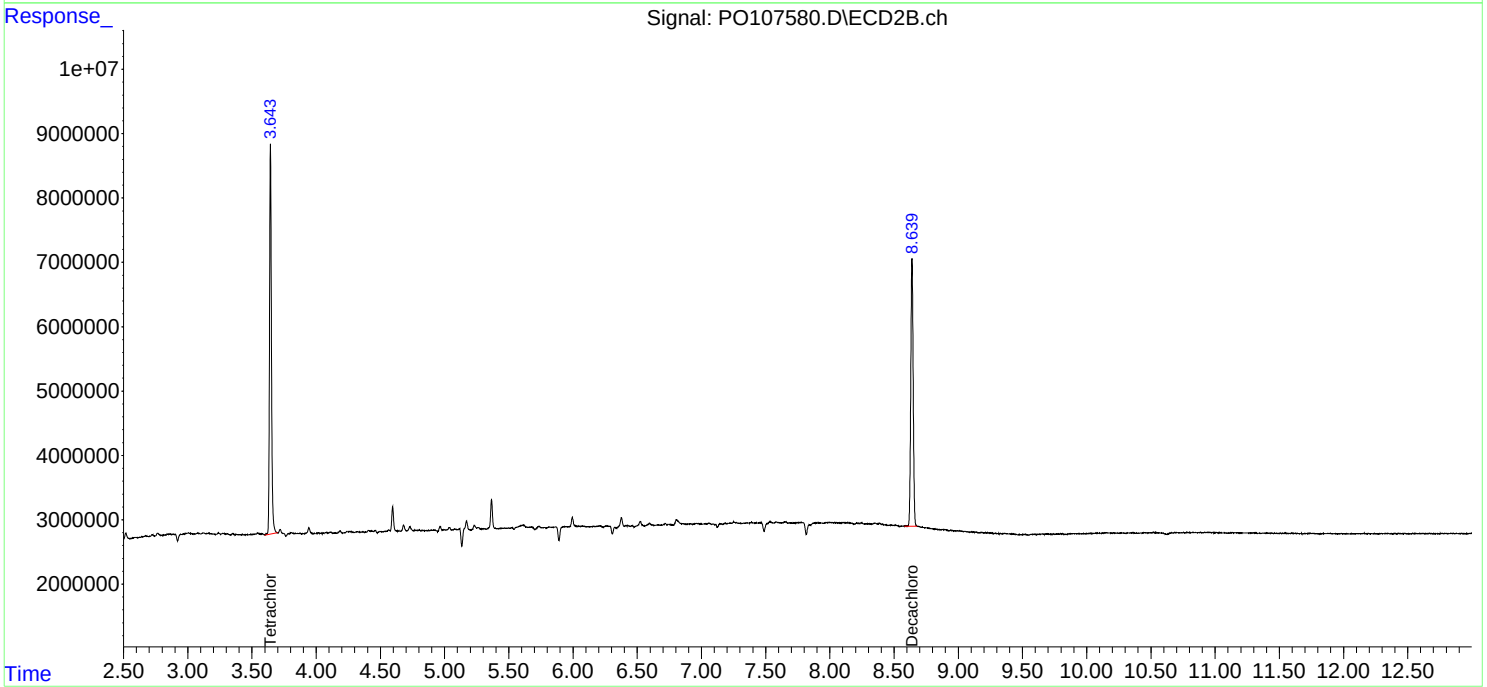
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107580.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 21:59
Operator : YP/AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

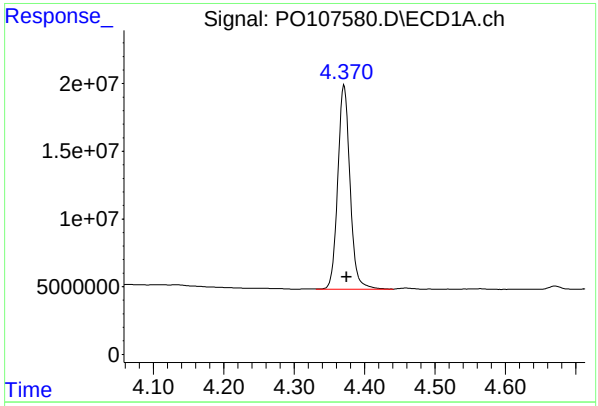
**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:18:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



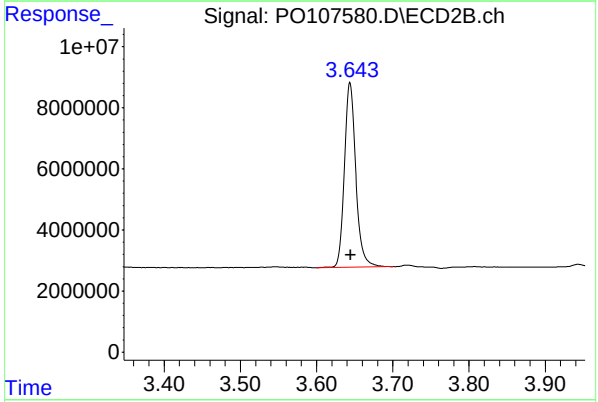






#1 Tetrachloro-m-xylene

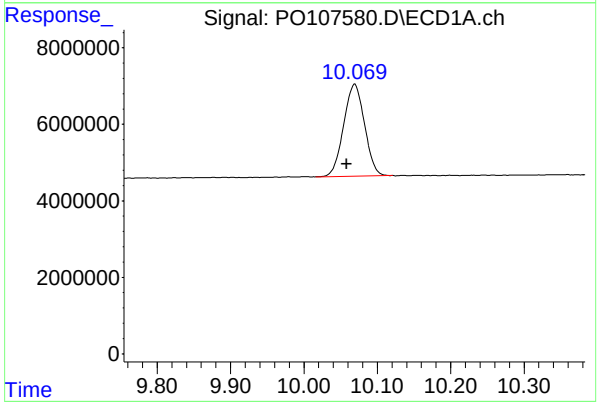
R.T.: 4.371 min
Delta R.T.: -0.003 mi
Response: 182340613
Conc: 20.01 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
I.BLK



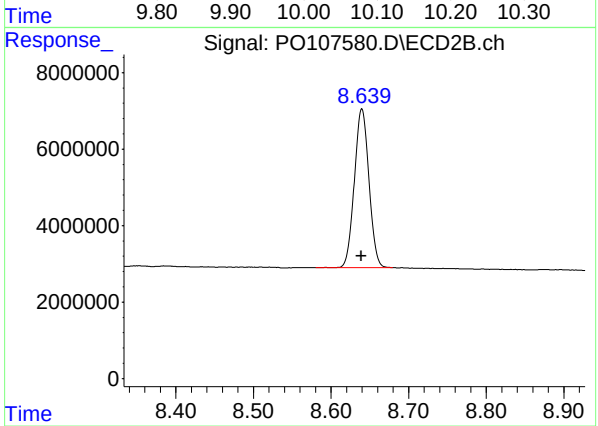

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 63095501
Conc: 19.60 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.069 min
Delta R.T.: 0.011 min
Response: 47535292
Conc: 19.38 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 54305314
Conc: 19.81 ng/ml

Raw Data: **PP067586.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/08/24 |
| Project: | RFP 872 | Date Received: | 10/08/24 |
| Client Sample ID: | PIBLK-PP067586.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PP067586.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PP067586.D | 1 | | 10/08/24 | pp100824 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.1 | | 60 - 140 | 105% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 23.5 | | 60 - 140 | 117% | 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: **PP067586.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
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: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.754 | 4.052 | 19509395 | 22280537 | 21.077 | 22.051 |
| 2) | SA Decachlor... | 10.665 | 9.218 | 27200282 | 26328613 | 23.626 | 23.477 |
| | Target Compounds | | | | | | |

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

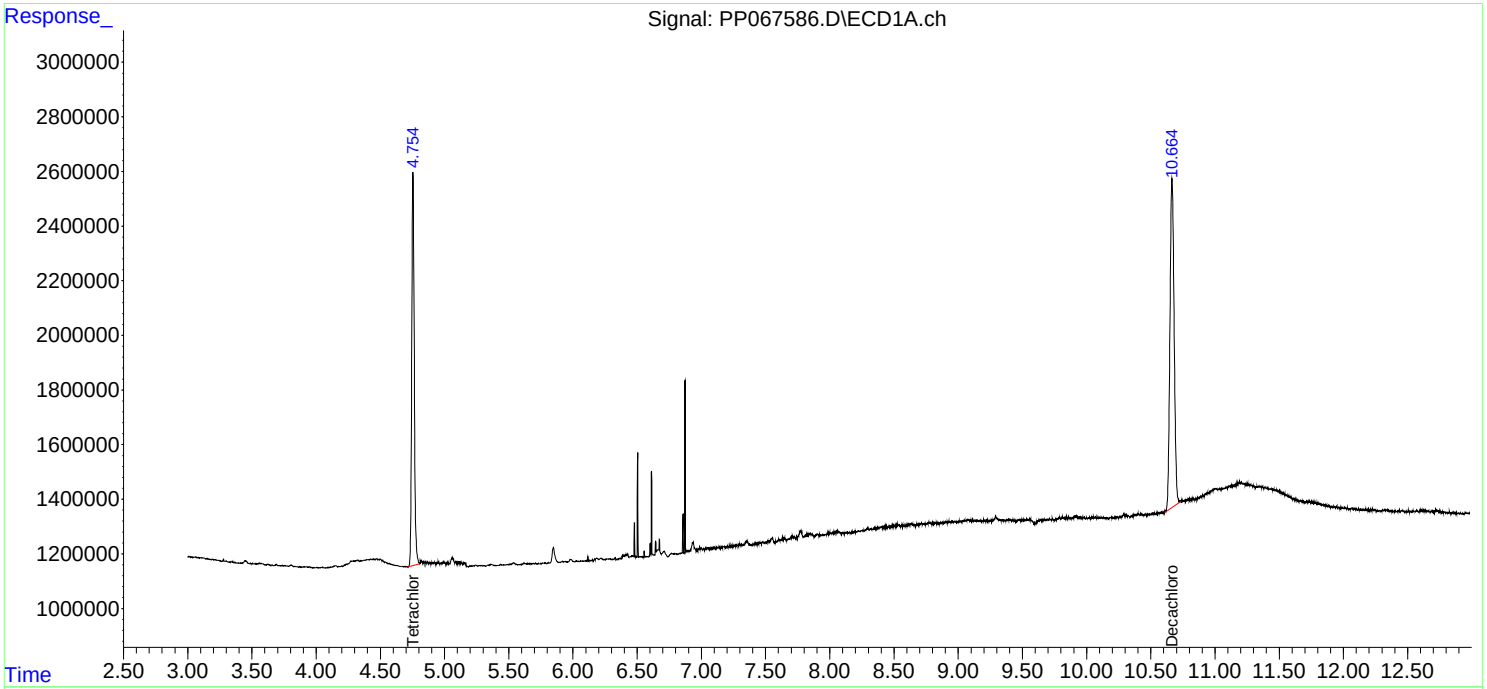
Sample Results: **PP067586.D**

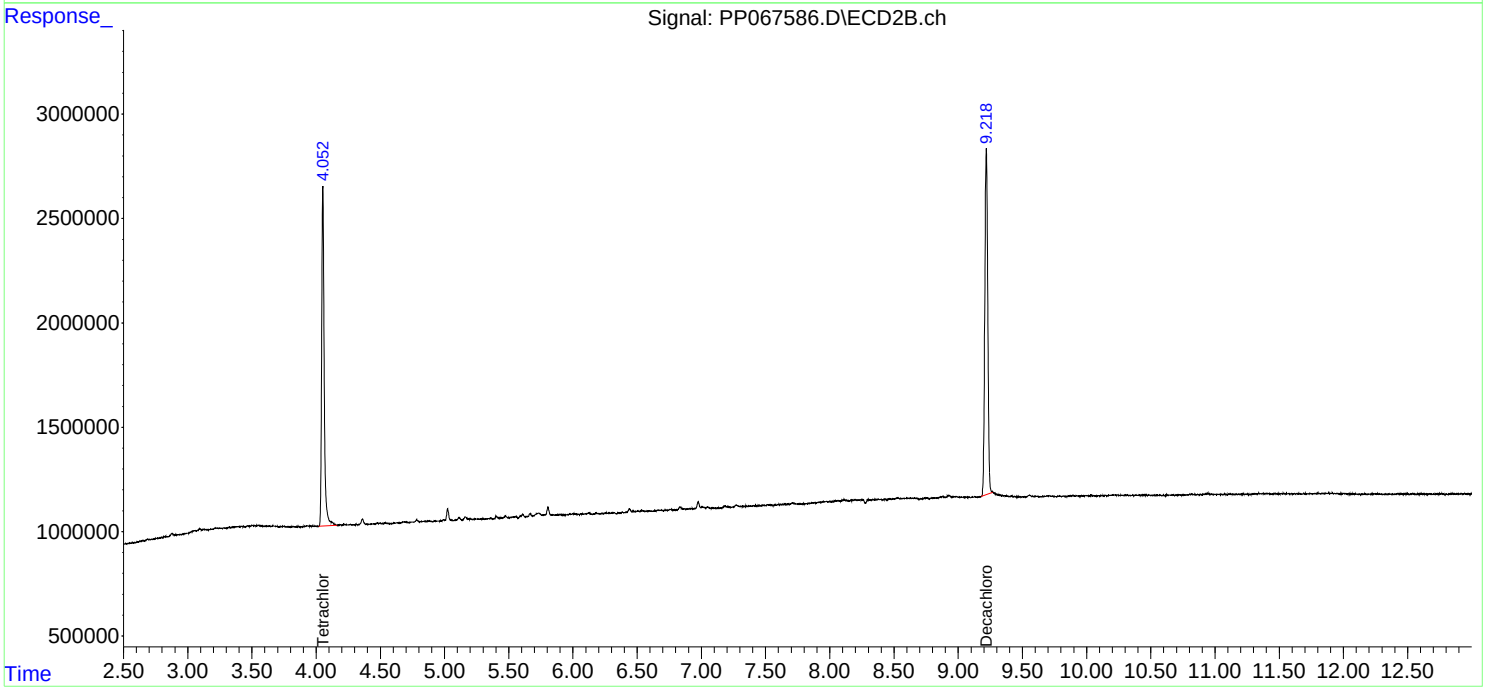
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP100824\
Data File : PP067586.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Oct 2024 16:14
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

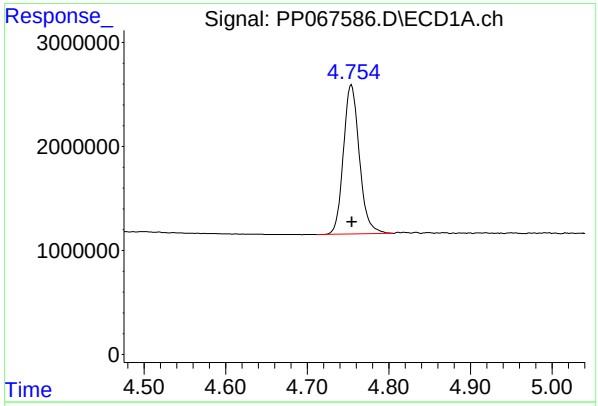
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 09 05:50:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



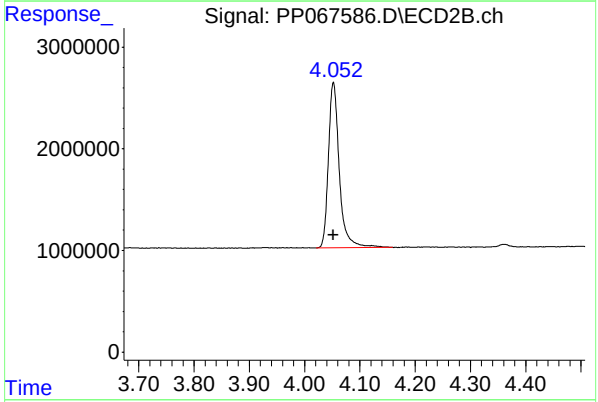






#1 Tetrachloro-m-xylene

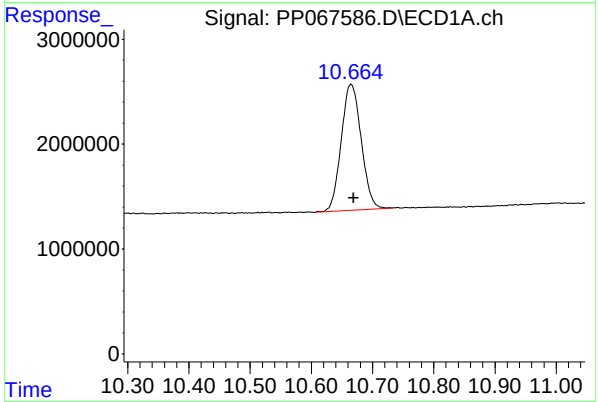
R.T.: 4.754 min
Delta R.T.: 0.000 min
Response: 19509395
Conc: 21.08 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I,BLK



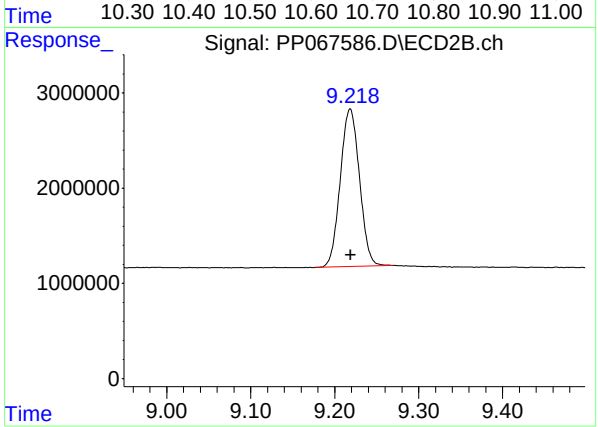

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 22280537
Conc: 22.05 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.665 min
Delta R.T.: -0.004 min
Response: 27200282
Conc: 23.63 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 26328613
Conc: 23.48 ng/ml

Raw Data: **PP068322.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/31/24 |
| Project: | RFP 872 | Date Received: | 10/31/24 |
| Client Sample ID: | PIBLK-PP068322.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PP068322.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068322.D | 1 | | 10/31/24 | PP103124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.4 | | 10 - 157 | 92% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.2 | | 10 - 173 | 96% | SPK: 20 |

Comments:

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

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

Quantitation Report (QT Reviewed)

Sample Results: **PP068322.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:10
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: Nov 01 00:40:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.763 | 4.052 | 17020627 | 16711456 | 18.388 | 16.539 |
| 2) | SA Decachlor... | 10.677 | 9.211 | 22057634 | 20649294 | 19.159 | 18.413 |
| | Target Compounds | | | | | | |

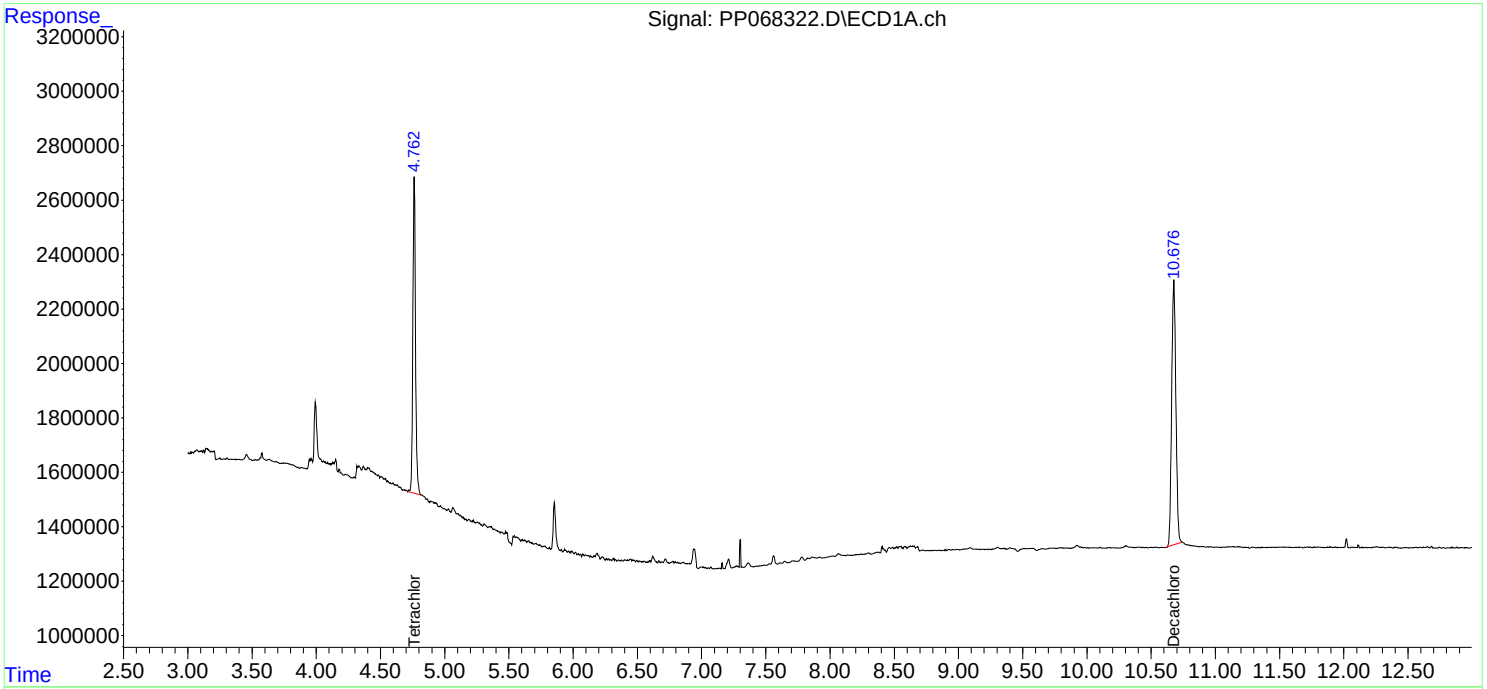
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

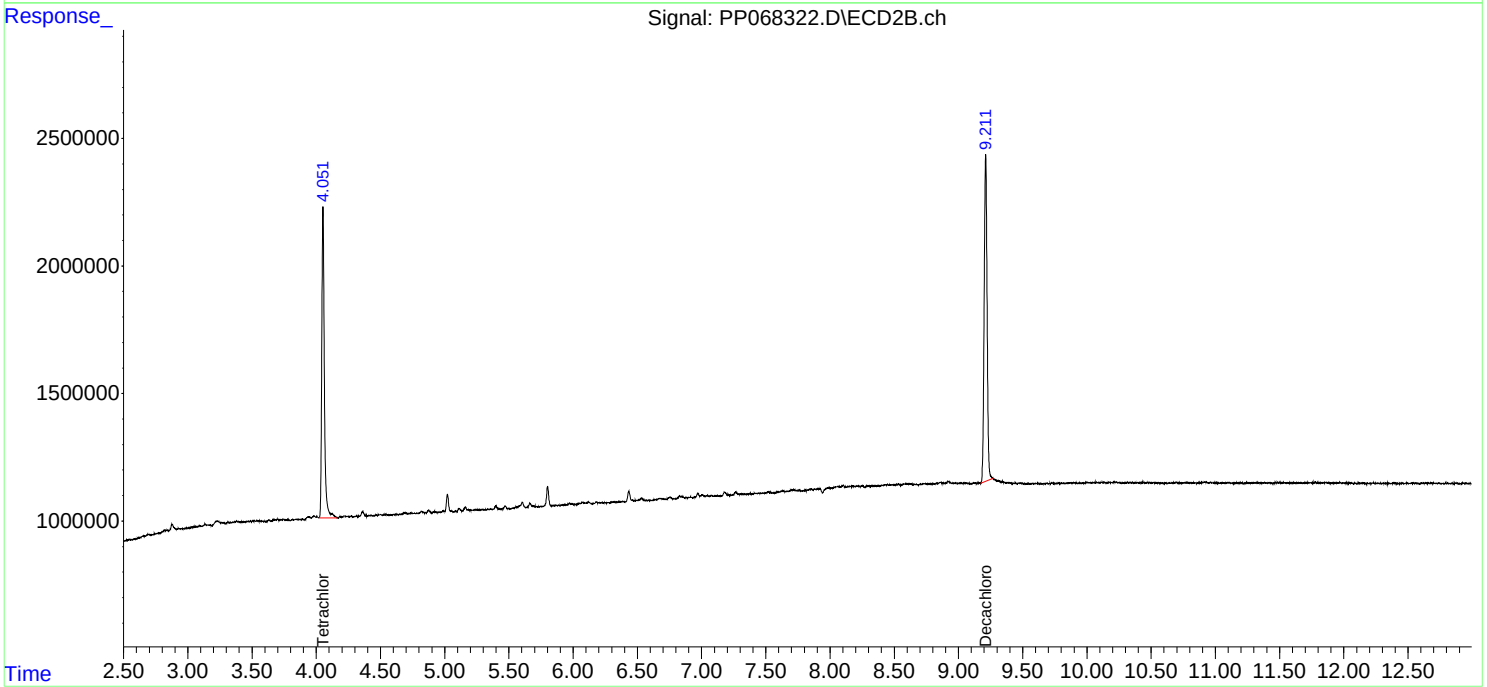
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068322.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:10
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

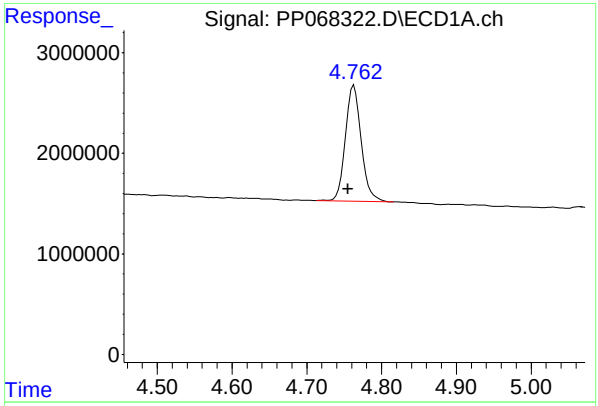
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:40:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



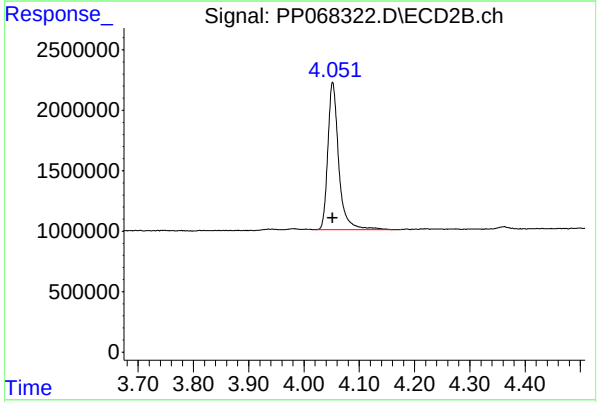






#1 Tetrachloro-m-xylene

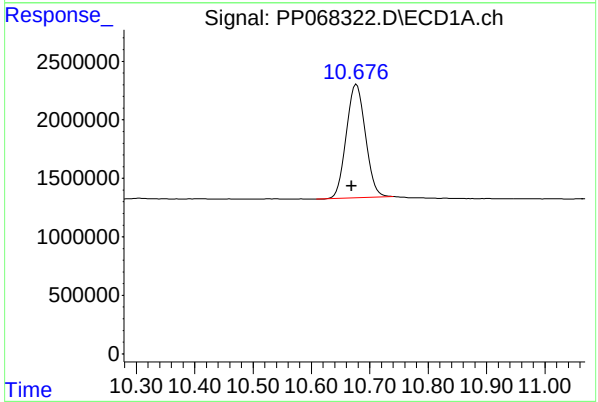
R.T.: 4.763 min
Delta R.T.: 0.008 min
Response: 17020627
Conc: 18.39 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK



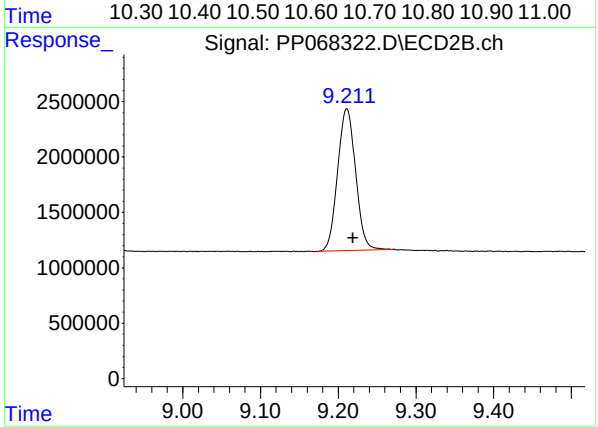

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 16711456
Conc: 16.54 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.677 min
Delta R.T.: 0.008 min
Response: 22057634
Conc: 19.16 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 20649294
Conc: 18.41 ng/ml

Raw Data: **PP068337.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/31/24 |
| Project: | RFP 872 | Date Received: | 10/31/24 |
| Client Sample ID: | PIBLK-PP068337.D | SDG No.: | P4620 |
| Lab Sample ID: | I.BLK-PP068337.D | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068337.D | 1 | | 10/31/24 | PP103124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 0.15 | U | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 0.15 | U | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 18.6 | | 10 - 157 | 93% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 19.7 | | 10 - 173 | 98% | SPK: 20 |

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:50:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.756 | 4.052 | 17196611 | 16663392 | 18.578m | 16.492 |
| 2) | SA Decachlor... | 10.670 | 9.211 | 22643677 | 20741316 | 19.668 | 18.495 |
| | Target Compounds | | | | | | |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068337.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 20:01
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

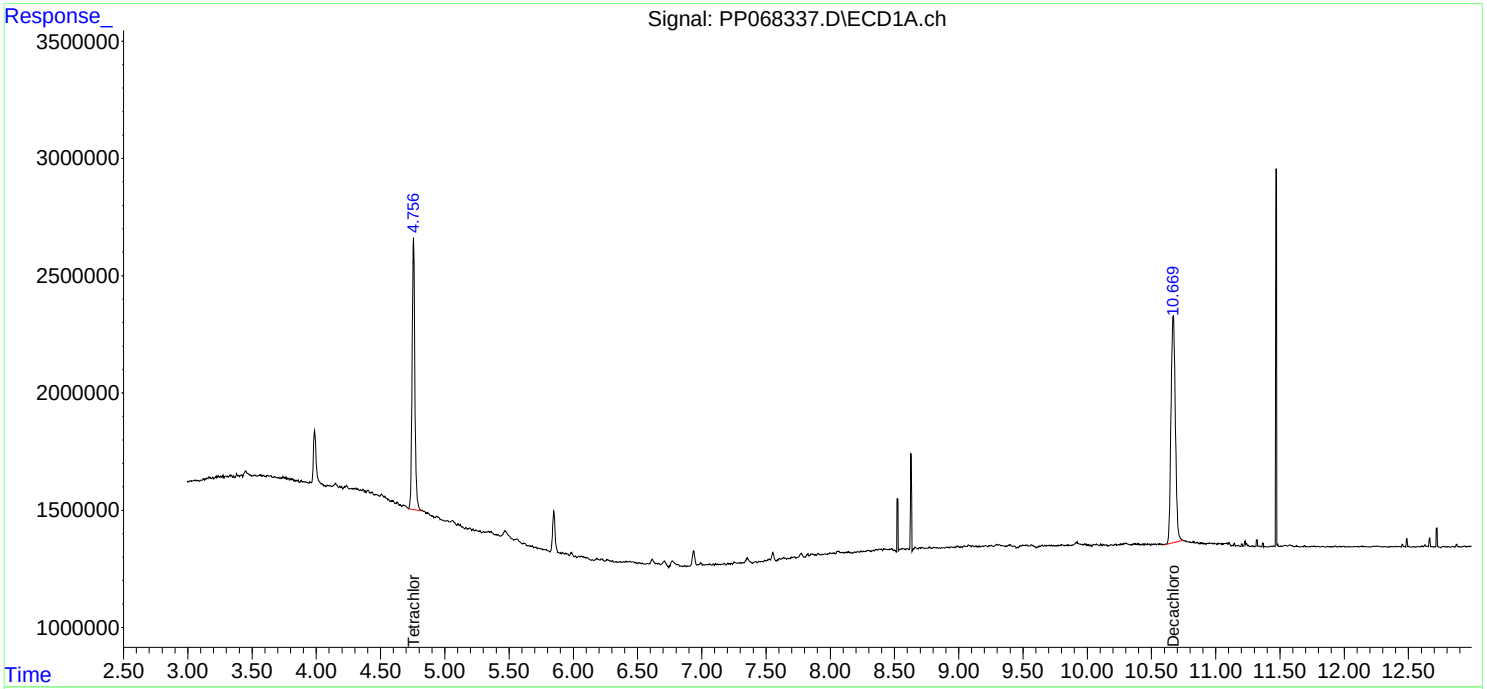
**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

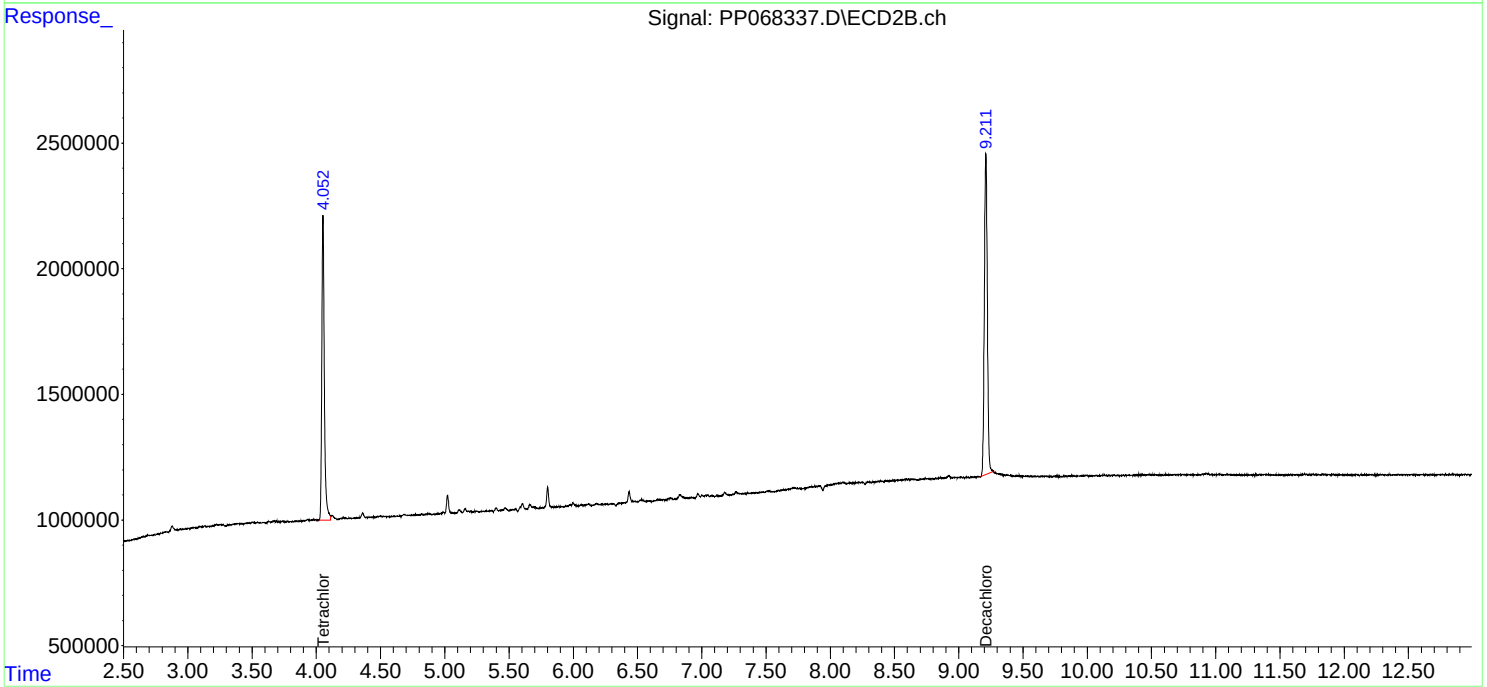
**Manual Integrations APPROVED**

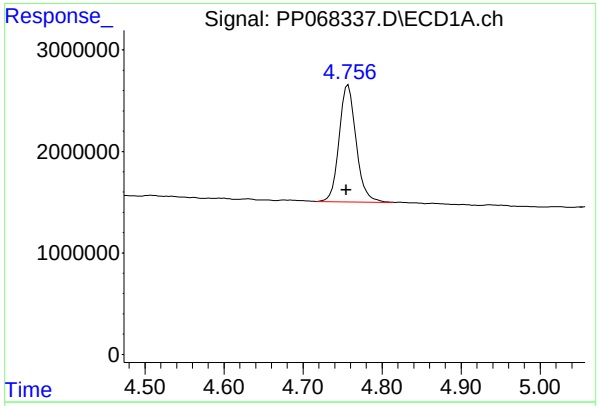
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:50:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





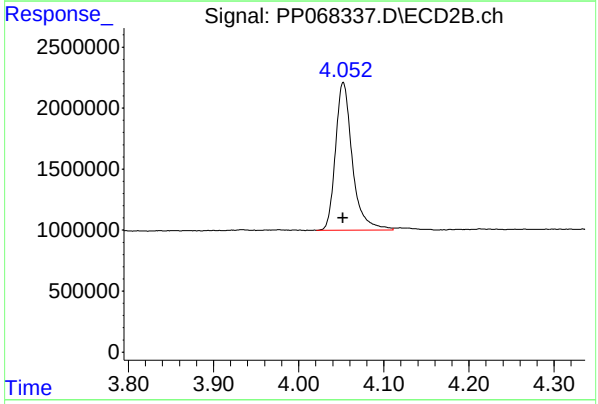

#1 Tetrachloro-m-xylene

R.T.: 4.756 min
Delta R.T.: 0.000 min
Response: 17196611
Conc: 18.58 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
I.BLK

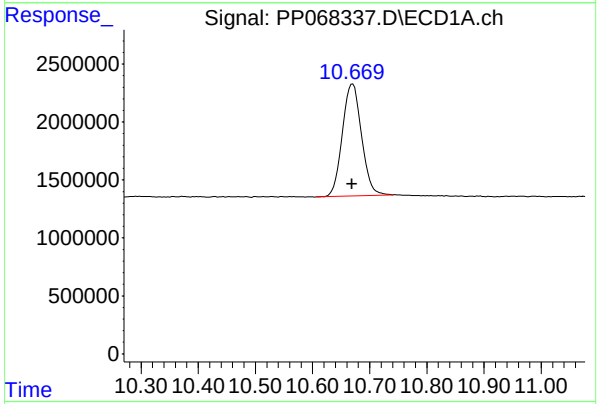
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



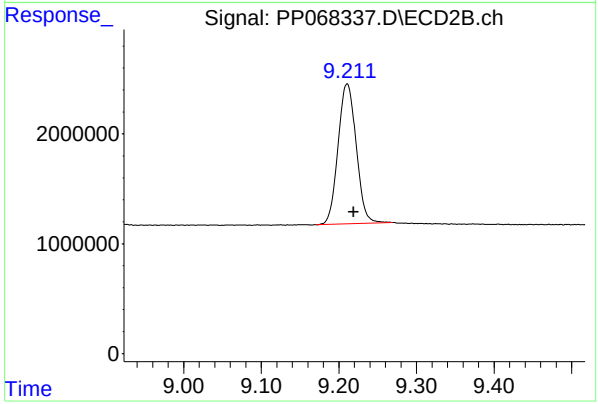

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 16663392
Conc: 16.49 ng/ml




#2 Decachlorobiphenyl

R.T.: 10.670 min
Delta R.T.: 0.001 min
Response: 22643677
Conc: 19.67 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 20741316
Conc: 18.49 ng/ml

Raw Data: **PP068324.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | |
| Project: | RFP 872 | Date Received: | |
| Client Sample ID: | PB164566BS | SDG No.: | P4620 |
| Lab Sample ID: | PB164566BS | Matrix: | WATER |
| Analytical Method: | SW8082A | % Solid: | 0 Decanted: |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PP068324.D | 1 | 10/31/24 10:30 | 10/31/24 15:55 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.30 | | 0.15 | 0.50 | ug/L |
| 11104-28-2 | Aroclor-1221 | 0.23 | U | 0.23 | 0.50 | ug/L |
| 11141-16-5 | Aroclor-1232 | 0.37 | U | 0.37 | 0.50 | ug/L |
| 53469-21-9 | Aroclor-1242 | 0.16 | U | 0.16 | 0.50 | ug/L |
| 12672-29-6 | Aroclor-1248 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11097-69-1 | Aroclor-1254 | 0.11 | U | 0.11 | 0.50 | ug/L |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.50 | ug/L |
| 11100-14-4 | Aroclor-1268 | 0.12 | U | 0.12 | 0.50 | ug/L |
| 11096-82-5 | Aroclor-1260 | 4.10 | | 0.15 | 0.50 | ug/L |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.5 | | 10 - 157 | 102% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 22.5 | | 10 - 173 | 112% | SPK: 20 |

Comments:

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

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

Sample Results: **PP068324.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:55
Operator : YP\AJ
Sample : PB164566BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:41:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.760 | 4.052 | 18941242 | 19190003 | 20.463 | 18.992 |
| 2) | SA Decachlor... | 10.675 | 9.211 | 25868698 | 24089971 | 22.469 | 21.481 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.924 | 5.159 | 14672155 | 13705740 | 443.714 | 391.735 |
| 4) | L1 AR-1016-2 | 5.946 | 5.179 | 21924497 | 19334416 | 449.541 | 401.391 |
| 5) | L1 AR-1016-3 | 6.010 | 5.360 | 13757891 | 10814540 | 436.593 | 401.468 |
| 6) | L1 AR-1016-4 | 6.108 | 5.399 | 10926048 | 9650715 | 424.417 | 400.692 |
| 7) | L1 AR-1016-5 | 6.402 | 5.618 | 10951497 | 11927993 | 404.608 | 392.241 |
| 31) | L7 AR-1260-1 | 7.526 | 6.661 | 23406221 | 23645063 | 433.258 | 415.103 |
| 32) | L7 AR-1260-2 | 7.779 | 6.847 | 27247718 | 27855252 | 430.652 | 417.593 |
| 33) | L7 AR-1260-3 | 8.140 | 7.004 | 19725174 | 26425863 | 380.436 | 414.841m |
| 34) | L7 AR-1260-4 | 8.377 | 7.479 | 24129011 | 20381302 | 400.851 | 368.607 |
| 35) | L7 AR-1260-5 | 8.716 | 7.717 | 41880431 | 44795672 | 388.818 | 366.281 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP103124\
Data File : PP068324.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 15:55
Operator : YP\AJ
Sample : PB164566BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

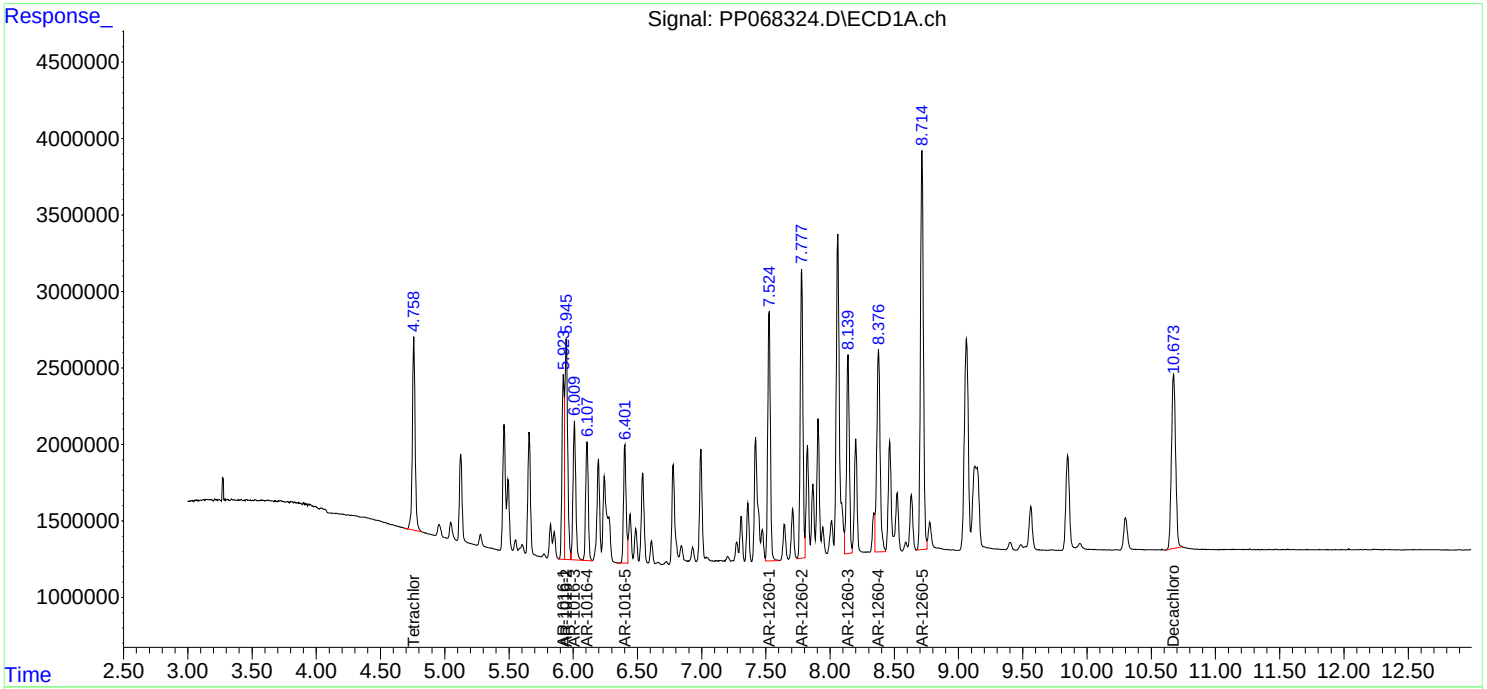
**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

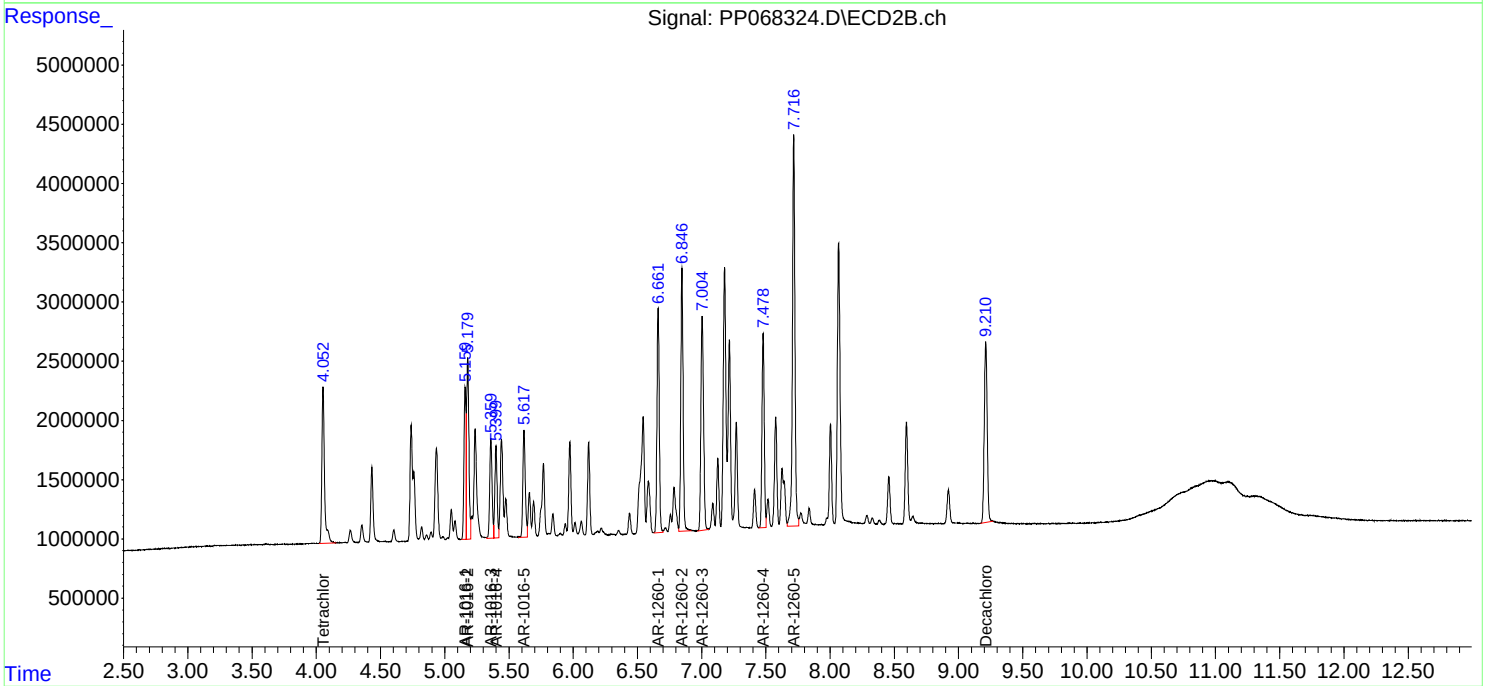
**Manual Integrations APPROVED**

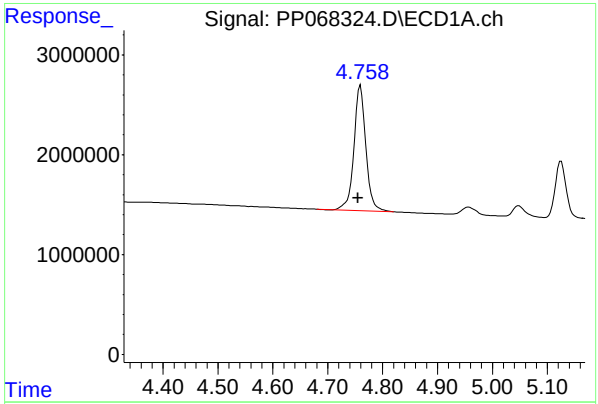
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 00:41:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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





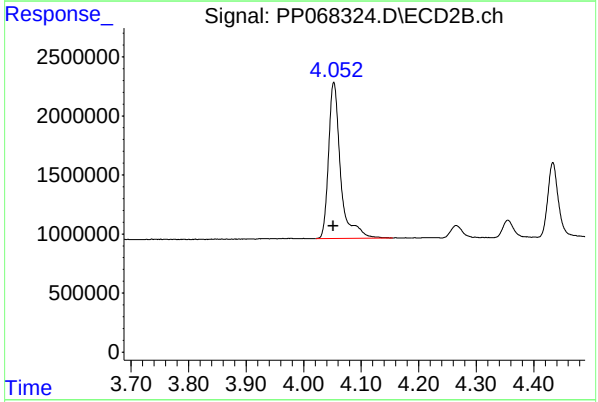

#1 Tetrachloro-m-xylene

R.T.: 4.760 min
Delta R.T.: 0.005 min
Response: 18941242
Conc: 20.46 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

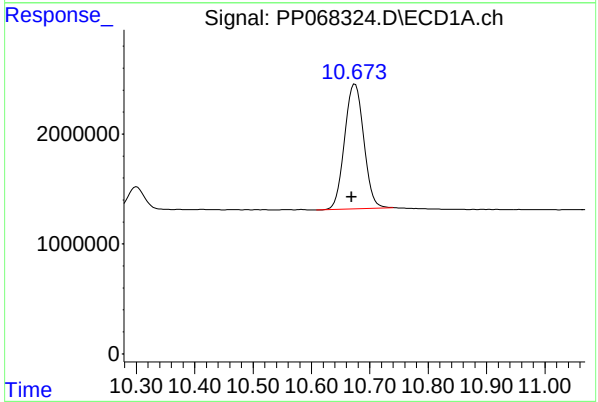
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



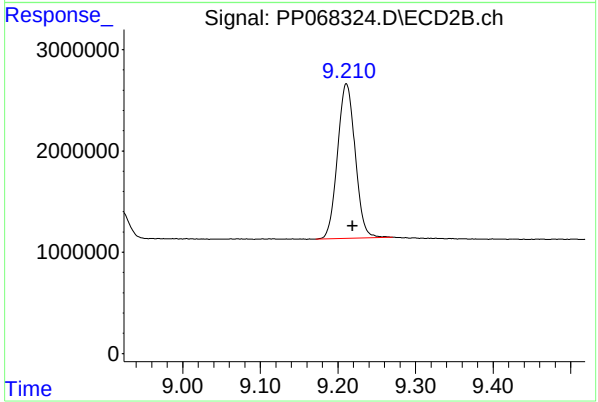

#1 Tetrachloro-m-xylene

R.T.: 4.052 min
Delta R.T.: 0.000 min
Response: 19190003
Conc: 18.99 ng/ml



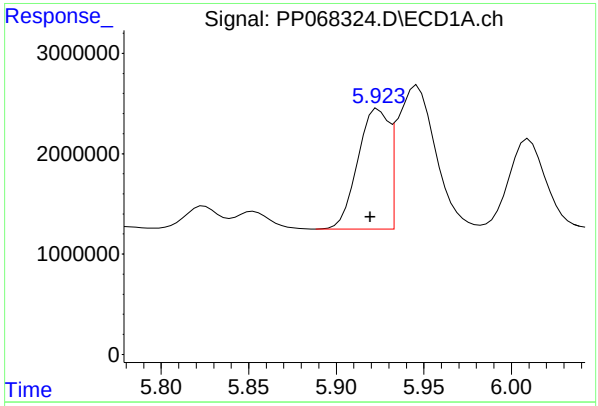

#2 Decachlorobiphenyl

R.T.: 10.675 min
Delta R.T.: 0.006 min
Response: 25868698
Conc: 22.47 ng/ml




#2 Decachlorobiphenyl

R.T.: 9.211 min
Delta R.T.: -0.008 min
Response: 24089971
Conc: 21.48 ng/ml



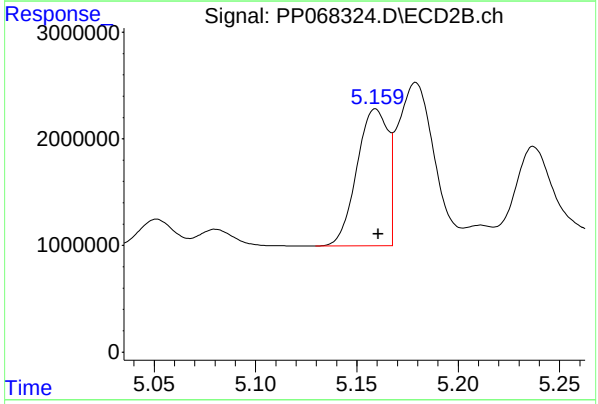

#3 AR-1016-1

R.T.: 5.924 min
Delta R.T.: 0.005 min
Response: 14672155
Conc: 443.71 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

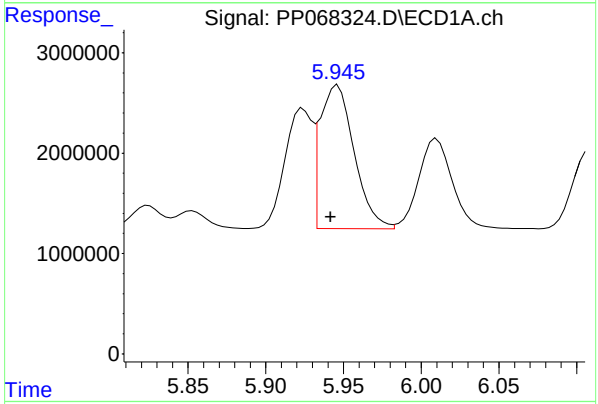
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



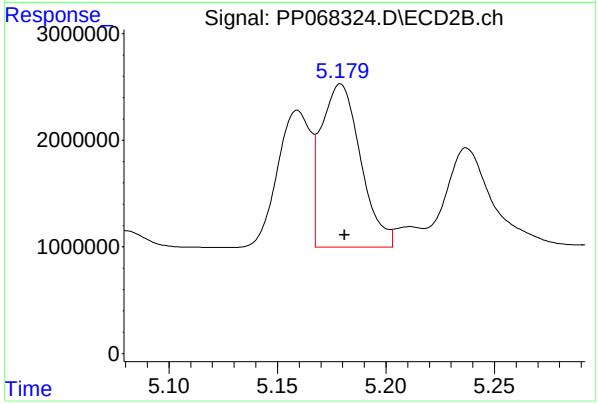

#3 AR-1016-1

R.T.: 5.159 min
Delta R.T.: -0.001 min
Response: 13705740
Conc: 391.74 ng/ml



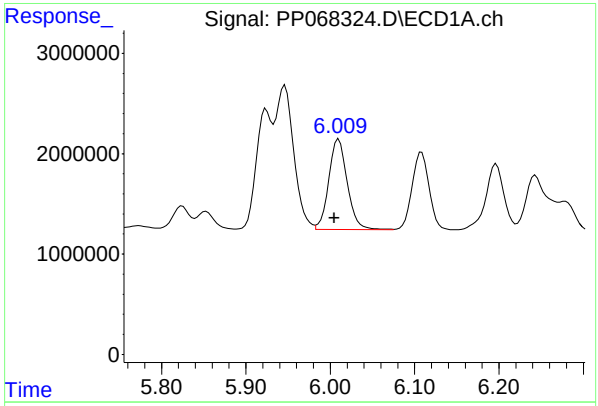

#4 AR-1016-2

R.T.: 5.946 min
Delta R.T.: 0.004 min
Response: 21924497
Conc: 449.54 ng/ml




#4 AR-1016-2

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 19334416
Conc: 401.39 ng/ml



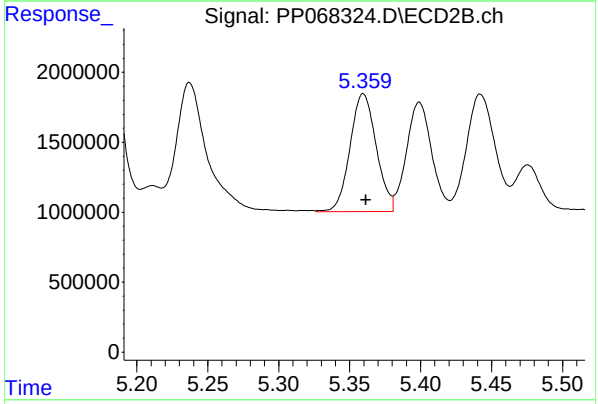

#5 AR-1016-3

R.T.: 6.010 min
Delta R.T.: 0.005 min
Response: 13757891
Conc: 436.59 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

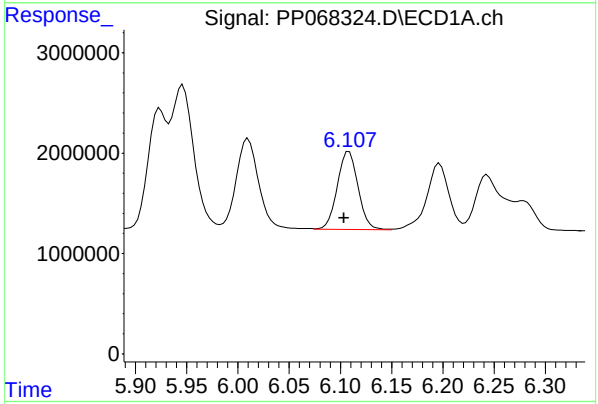
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



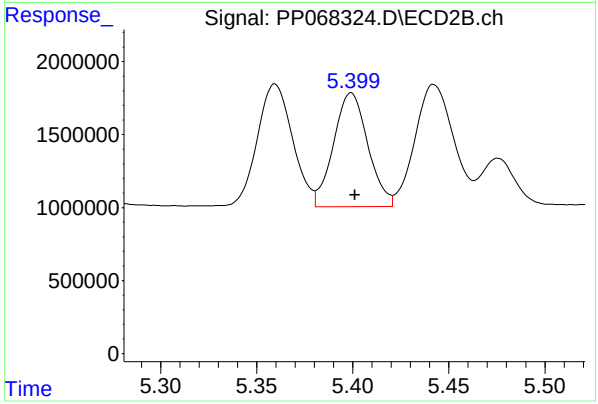

#5 AR-1016-3

R.T.: 5.360 min
Delta R.T.: -0.002 min
Response: 10814540
Conc: 401.47 ng/ml



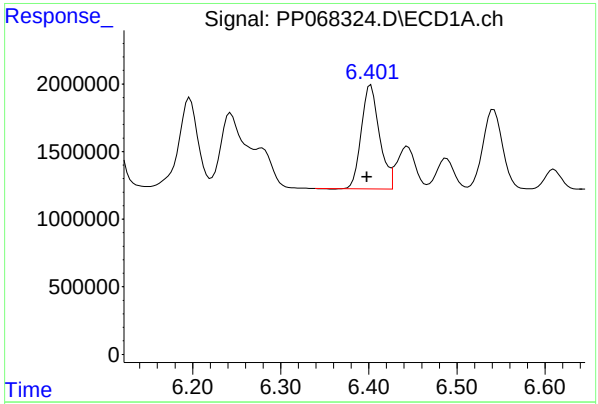

#6 AR-1016-4

R.T.: 6.108 min
Delta R.T.: 0.005 min
Response: 10926048
Conc: 424.42 ng/ml




#6 AR-1016-4

R.T.: 5.399 min
Delta R.T.: -0.002 min
Response: 9650715
Conc: 400.69 ng/ml



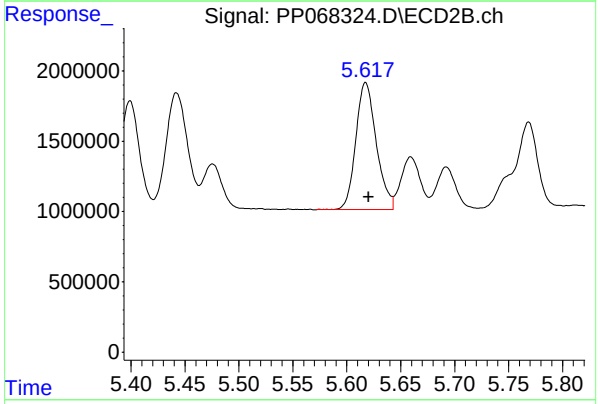

#7 AR-1016-5

R.T.: 6.402 min
Delta R.T.: 0.004 min
Response: 10951497
Conc: 404.61 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

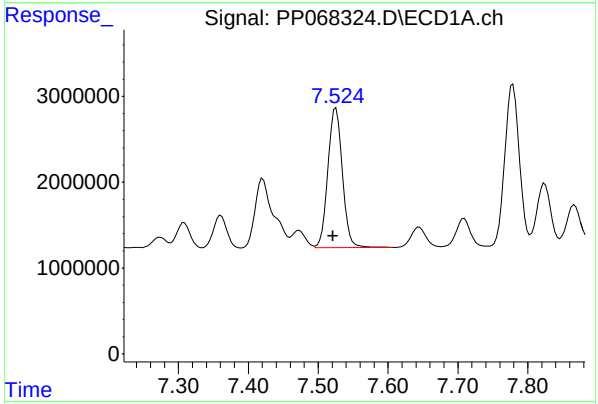
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



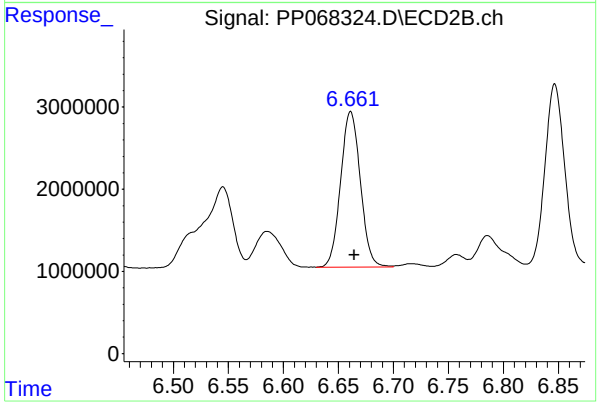

#7 AR-1016-5

R.T.: 5.618 min
Delta R.T.: -0.003 min
Response: 11927993
Conc: 392.24 ng/ml



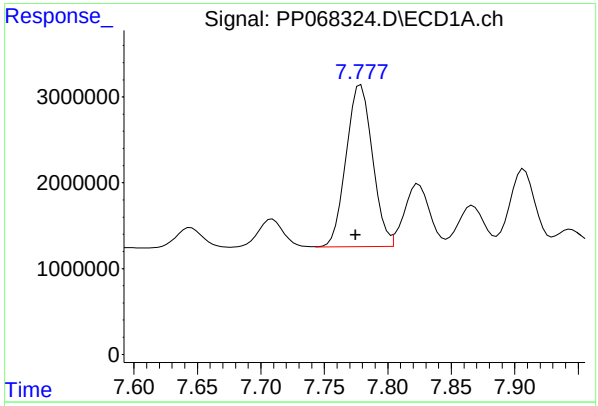

#31 AR-1260-1

R.T.: 7.526 min
Delta R.T.: 0.004 min
Response: 23406221
Conc: 433.26 ng/ml




#31 AR-1260-1

R.T.: 6.661 min
Delta R.T.: -0.003 min
Response: 23645063
Conc: 415.10 ng/ml



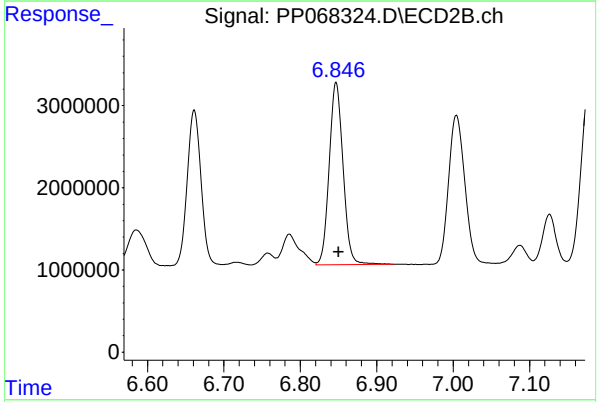

#32 AR-1260-2

R.T.: 7.779 min
Delta R.T.: 0.004 mi
Response: 27247718
Conc: 430.65 ng/m

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

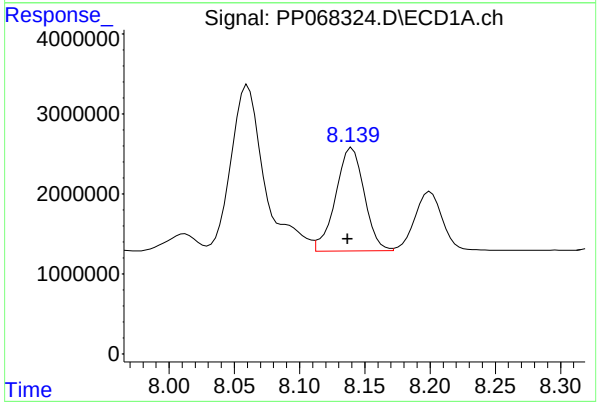
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



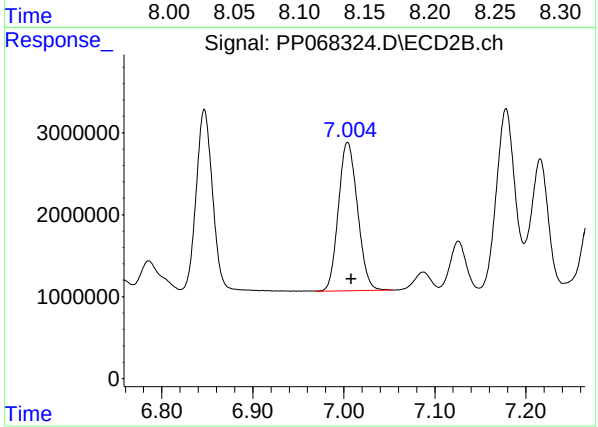

#32 AR-1260-2

R.T.: 6.847 min
Delta R.T.: -0.003 min
Response: 27855252
Conc: 417.59 ng/ml



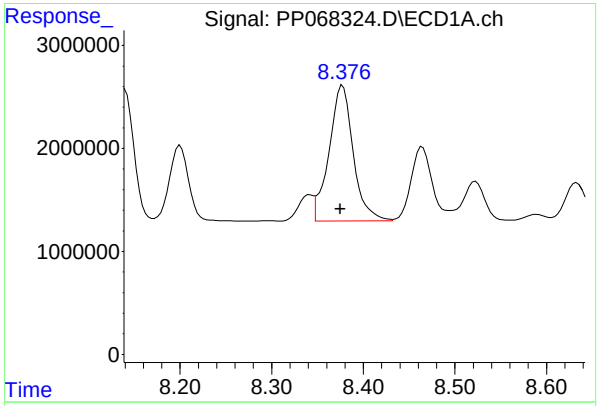

#33 AR-1260-3

R.T.: 8.140 min
Delta R.T.: 0.003 min
Response: 19725174
Conc: 380.44 ng/ml




#33 AR-1260-3

R.T.: 7.004 min
Delta R.T.: -0.004 min
Response: 26425863
Conc: 414.84 ng/ml m



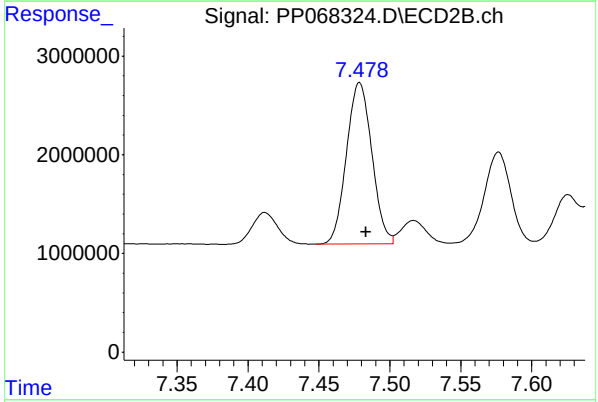

#34 AR-1260-4

R.T.: 8.377 min
Delta R.T.: 0.002 min
Response: 24129011
Conc: 400.85 ng/ml

**Instrument :**
ECD_P
**ClientSampleId :**
PB164566BS

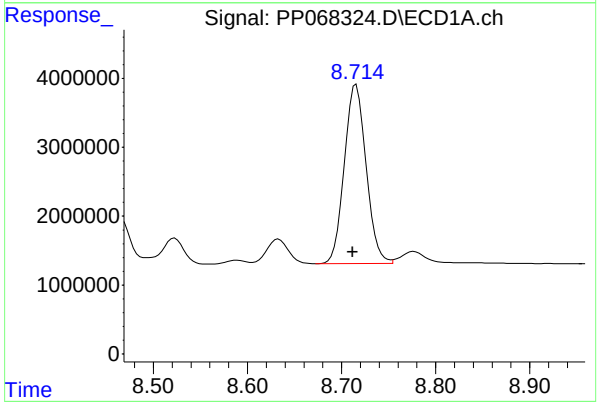
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



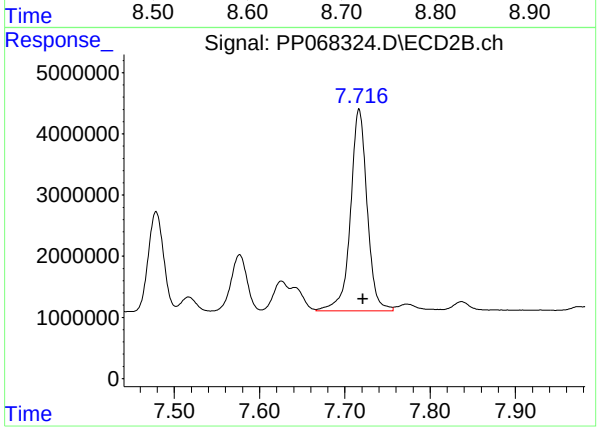

#34 AR-1260-4

R.T.: 7.479 min
Delta R.T.: -0.005 min
Response: 20381302
Conc: 368.61 ng/ml




#35 AR-1260-5

R.T.: 8.716 min
Delta R.T.: 0.004 min
Response: 41880431
Conc: 388.82 ng/ml




#35 AR-1260-5

R.T.: 7.717 min
Delta R.T.: -0.005 min
Response: 44795672
Conc: 366.28 ng/ml

Raw Data: **PO107573.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF16-01MS | SDG No.: | P4620 |
| Lab Sample ID: | P4620-26MS | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.6 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107573.D | 1 | 10/31/24 10:30 | 10/31/24 19:36 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 5.70 | | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 5.90 | | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.2 | | 32 - 144 | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.0 | | 32 - 175 | 80% | 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: **PO107573.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:36
Operator : YP/AJ
Sample : P4620-26MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) | SA Tetrachlo... | 4.370 | 3.644 | 193.6E6 | 65963249 | 21.242 | 20.495 |
| 2) | SA Decachlor... | 10.068 | 8.640 | 39324530 | 42801840 | 16.029 | 15.612 |
| | Target Compounds | | | | | | |
| 3) | L1 AR-1016-1 | 5.521 | 4.725 | 147.7E6 | 58674962 | 547.248 | 568.194 |
| 4) | L1 AR-1016-2 | 5.544 | 4.743 | 214.7E6 | 80004040 | 540.887 | 567.534 |
| 5) | L1 AR-1016-3 | 5.606 | 4.920 | 135.1E6 | 44035208 | 537.935 | 559.208 |
| 6) | L1 AR-1016-4 | 5.703 | 4.961 | 110.0E6 | 33287046 | 571.071 | 503.523 |
| 7) | L1 AR-1016-5 | 5.998 | 5.174 | 100.3E6 | 44413757 | 549.005 | 540.748 |
| 31) | L7 AR-1260-1 | 7.126 | 6.205 | 134.6E6 | 89634204 | 520.505 | 577.709 |
| 32) | L7 AR-1260-2 | 7.384 | 6.392 | 149.5E6 | 105.4E6 | 567.964 | 598.366m |
| 33) | L7 AR-1260-3 | 7.746 | 6.545 | 92745045 | 99863922 | 515.981 | 595.321 |
| 34) | L7 AR-1260-4 | 7.971 | 7.017 | 102.0E6 | 73397445 | 581.050 | 507.306 |
| 35) | L7 AR-1260-5 | 8.285 | 7.258 | 144.9E6 | 177.5E6 | 509.395 | 538.717 |

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

Sample Results: **PO107573.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:36
Operator : YP/AJ
Sample : P4620-26MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

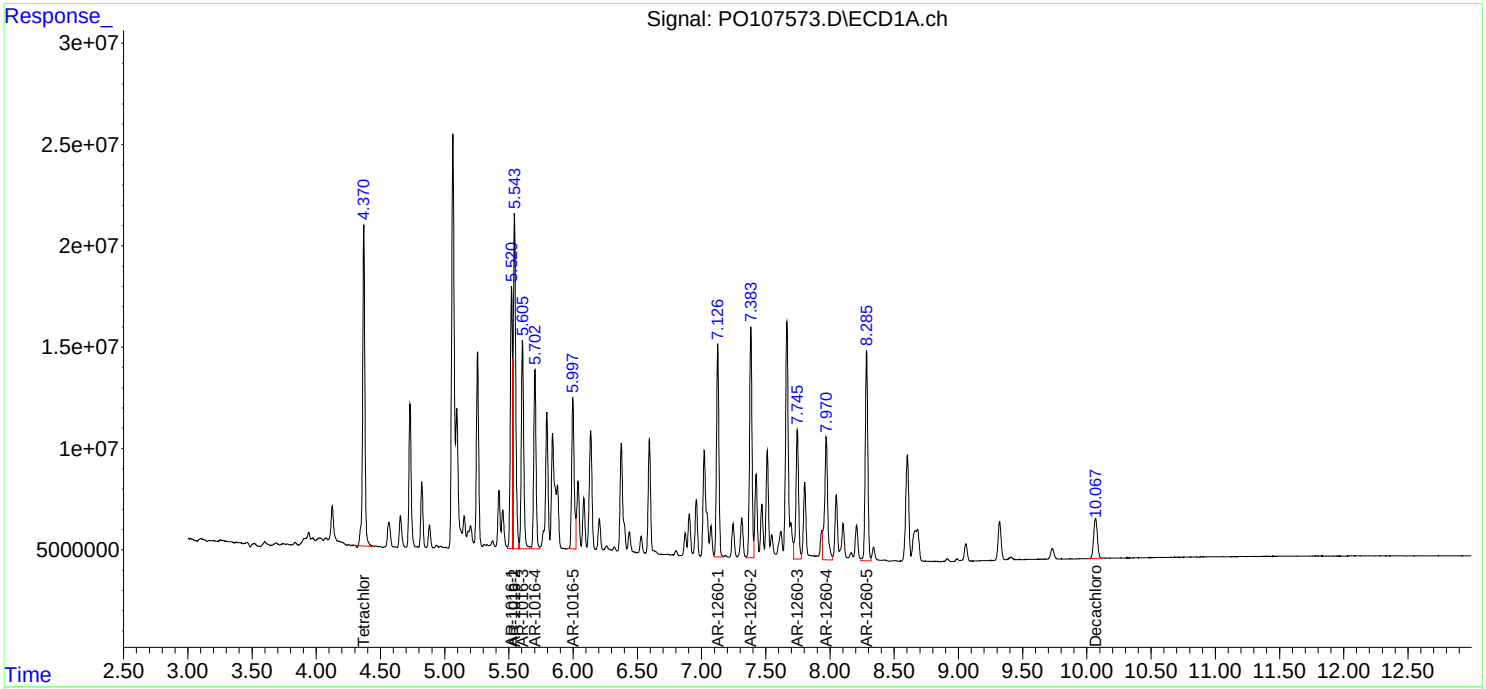
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

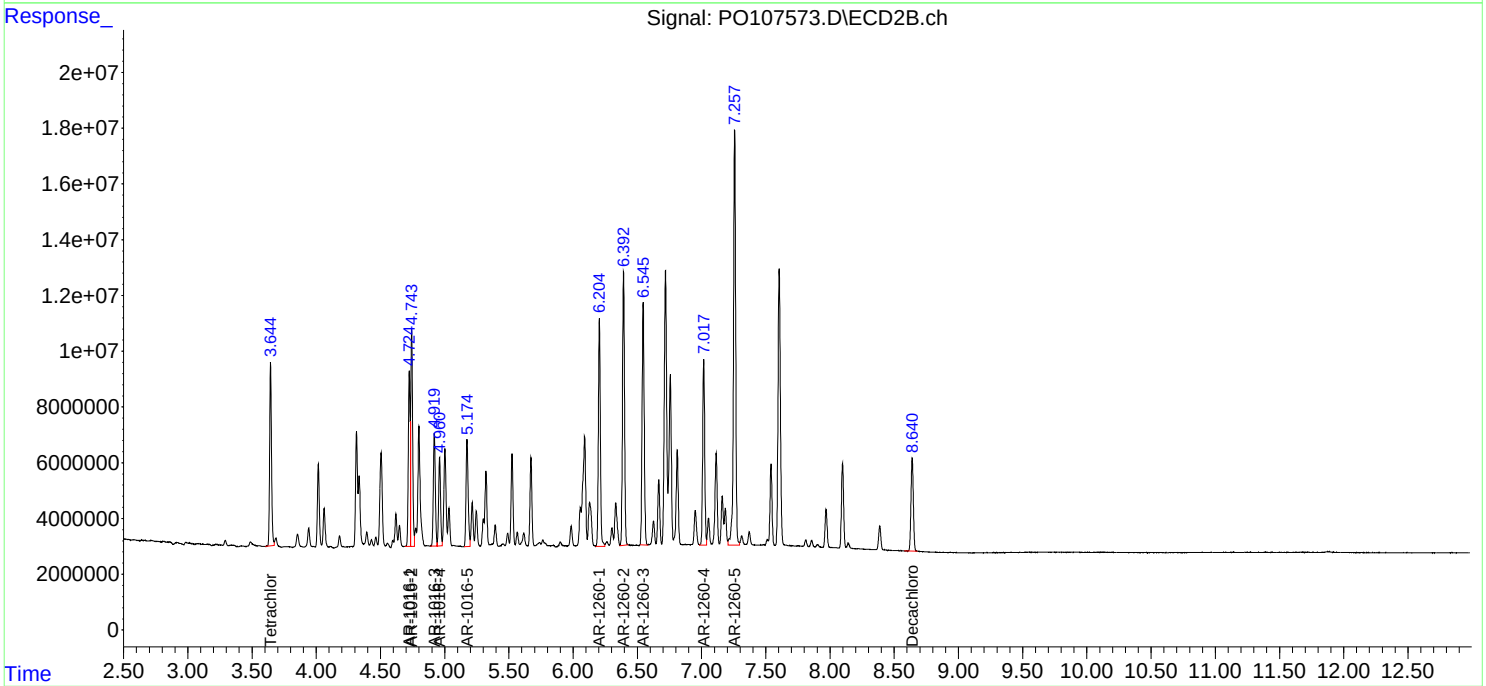
**Manual Integrations APPROVED**

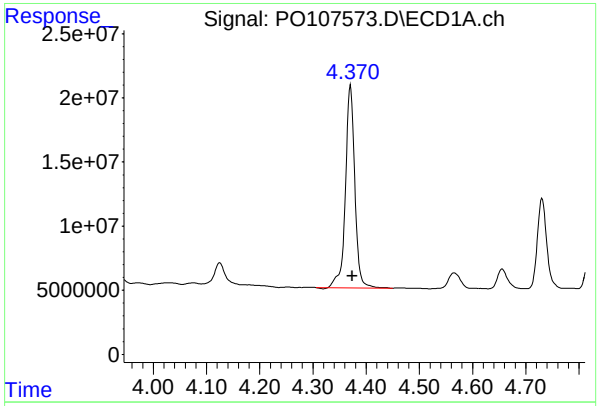
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





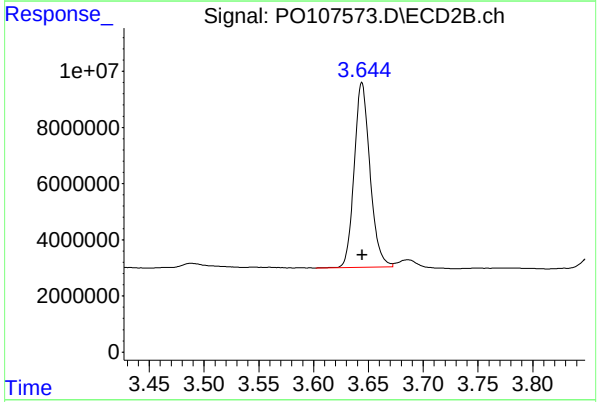

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.003 min
Response: 193598798
Conc: 21.24 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

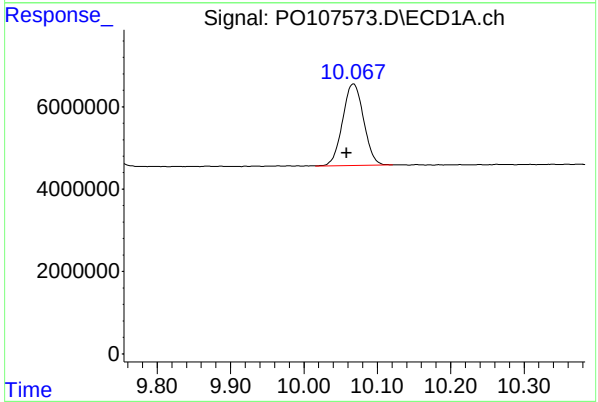
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



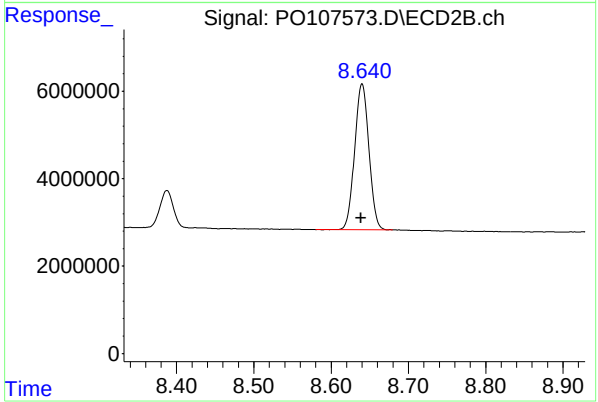

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 65963249
Conc: 20.50 ng/ml



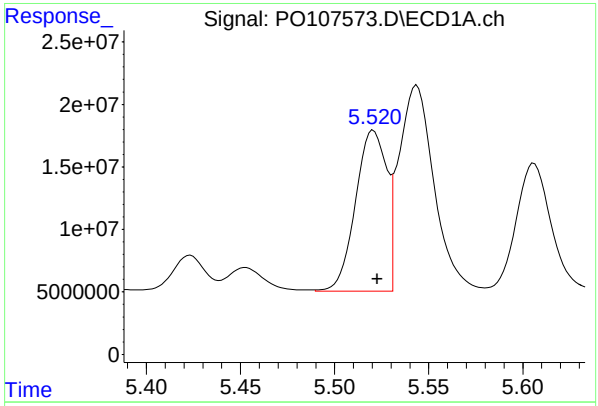

#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 39324530
Conc: 16.03 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.001 min
Response: 42801840
Conc: 15.61 ng/ml



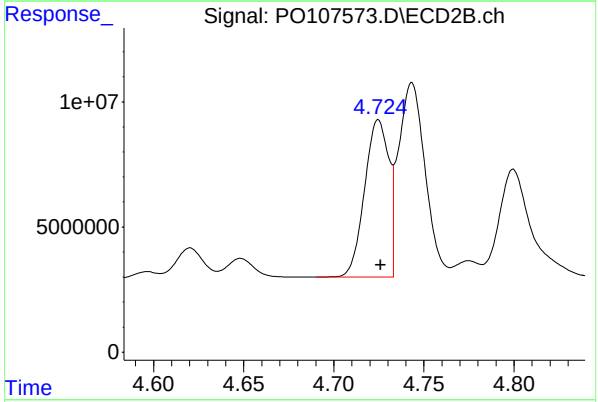

#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 147655210
Conc: 547.25 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

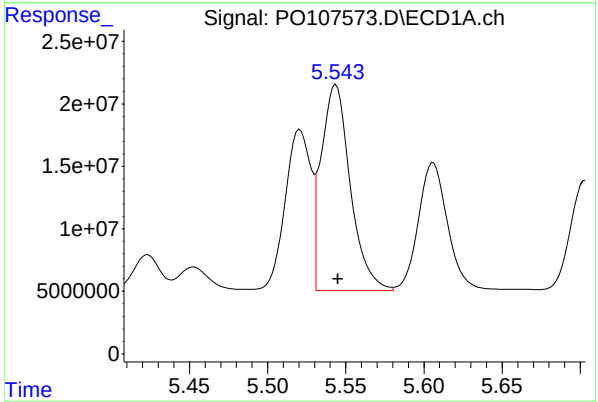
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



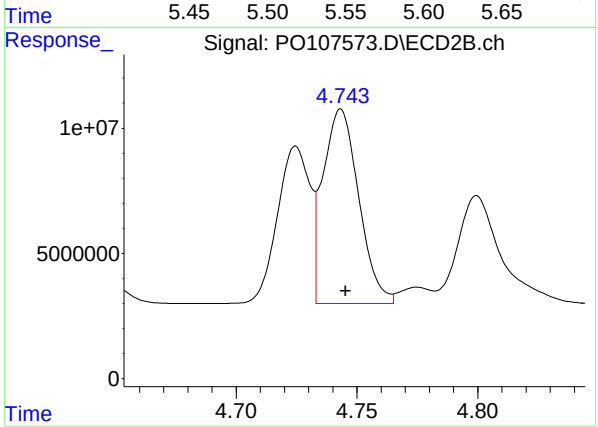

#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 58674962
Conc: 568.19 ng/ml



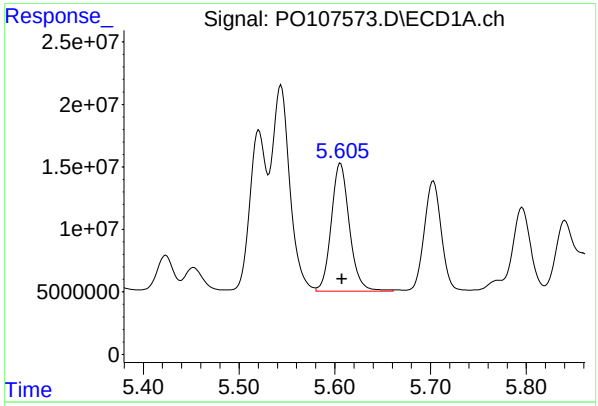

#4 AR-1016-2

R.T.: 5.544 min
Delta R.T.: -0.001 min
Response: 214669828
Conc: 540.89 ng/ml




#4 AR-1016-2

R.T.: 4.743 min
Delta R.T.: -0.002 min
Response: 80004040
Conc: 567.53 ng/ml



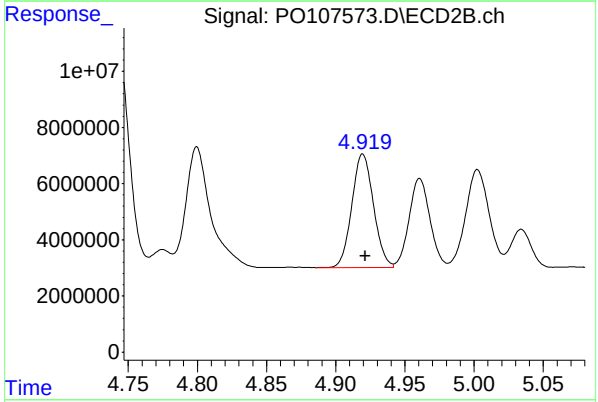

#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.001 min
Response: 135112813
Conc: 537.93 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

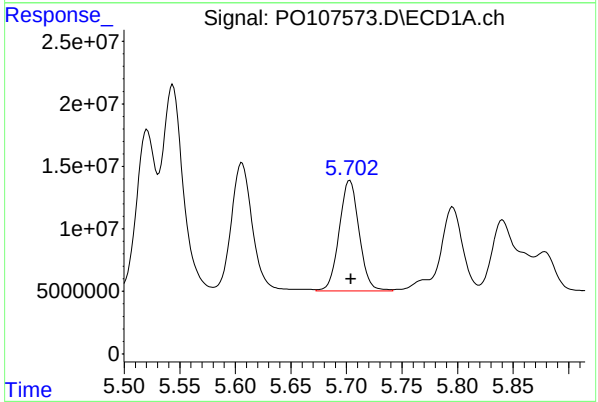
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



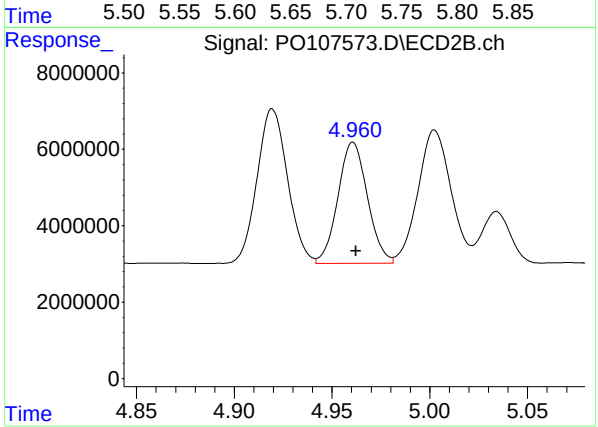

#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 44035208
Conc: 559.21 ng/ml



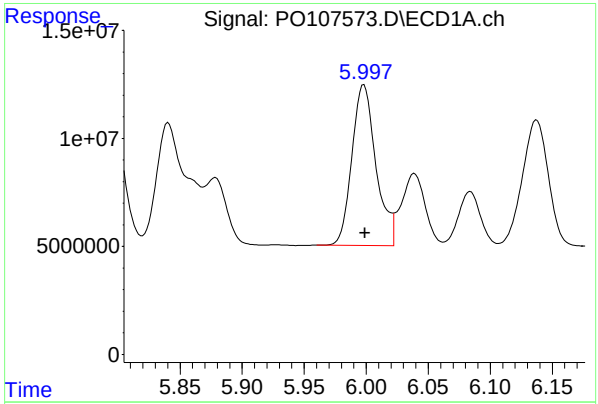

#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 109995145
Conc: 571.07 ng/ml




#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.002 min
Response: 33287046
Conc: 503.52 ng/ml



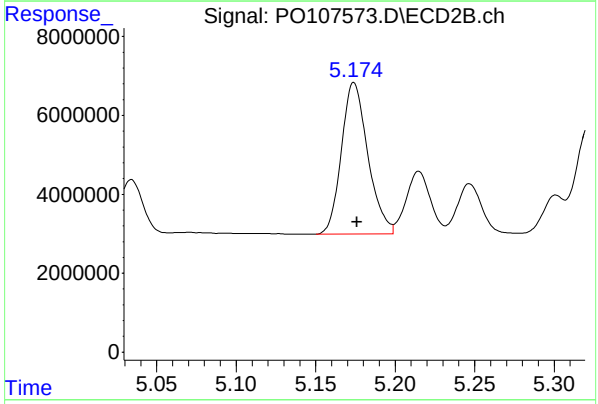

#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: 0.000 min
Response: 100277688
Conc: 549.00 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

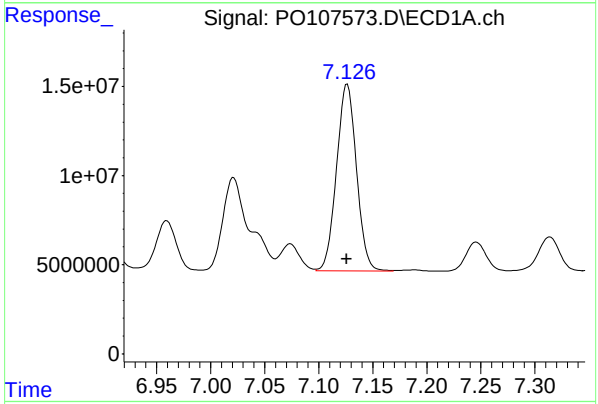
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



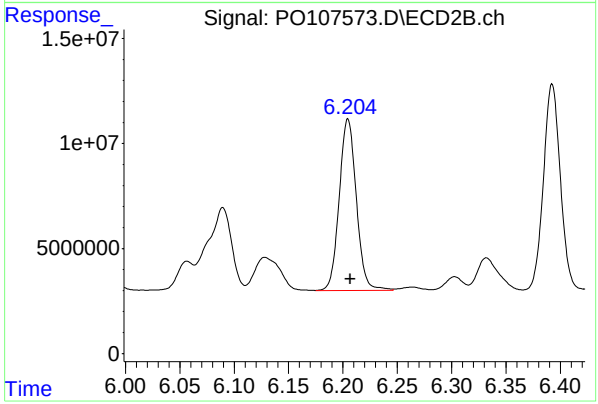

#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44413757
Conc: 540.75 ng/ml



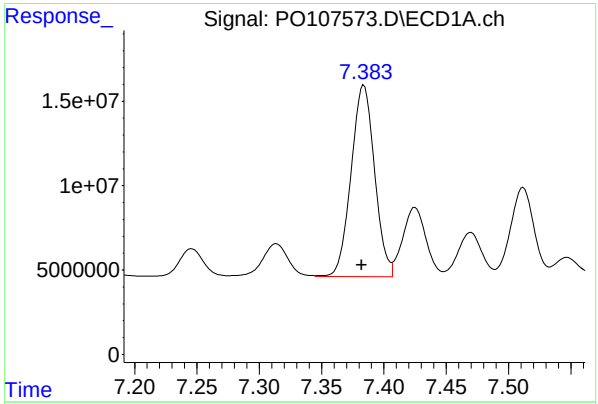

#31 AR-1260-1

R.T.: 7.126 min
Delta R.T.: 0.000 min
Response: 134596646
Conc: 520.51 ng/ml




#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 89634204
Conc: 577.71 ng/ml



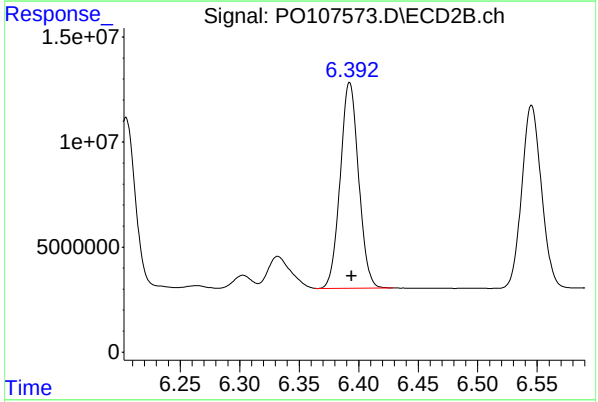

#32 AR-1260-2

R.T.: 7.384 min
Delta R.T.: 0.002 mi
Response: 149499590
Conc: 567.96 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

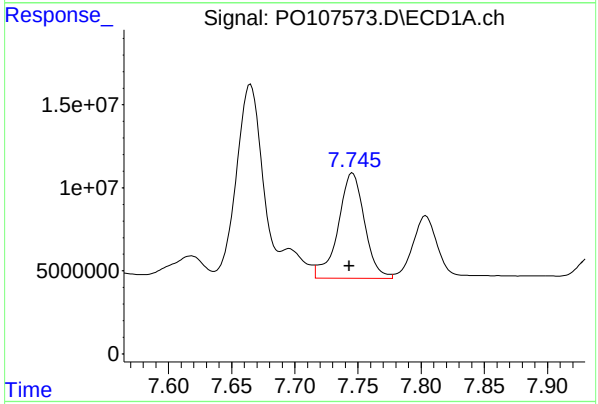
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



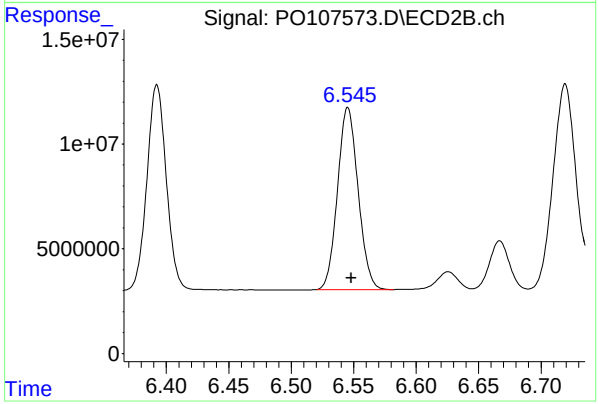

#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 105381645
Conc: 598.37 ng/ml m



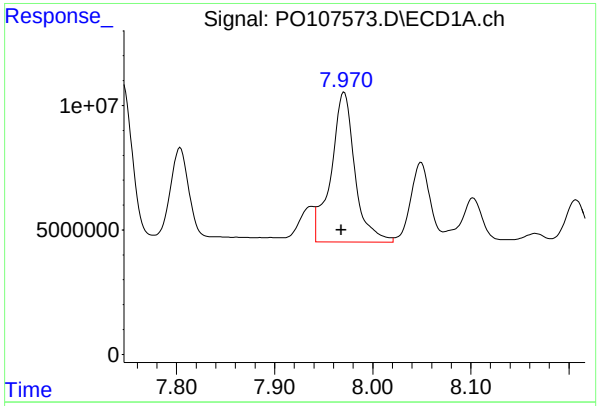

#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 92745045
Conc: 515.98 ng/ml




#33 AR-1260-3

R.T.: 6.545 min
Delta R.T.: -0.003 min
Response: 99863922
Conc: 595.32 ng/ml



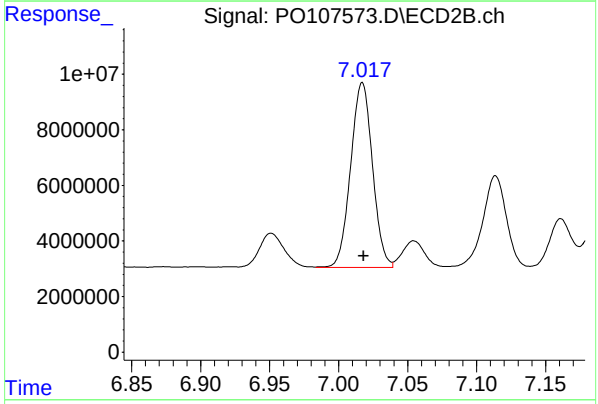

#34 AR-1260-4

R.T.: 7.971 min
Delta R.T.: 0.003 min
Response: 101976539
Conc: 581.05 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MS

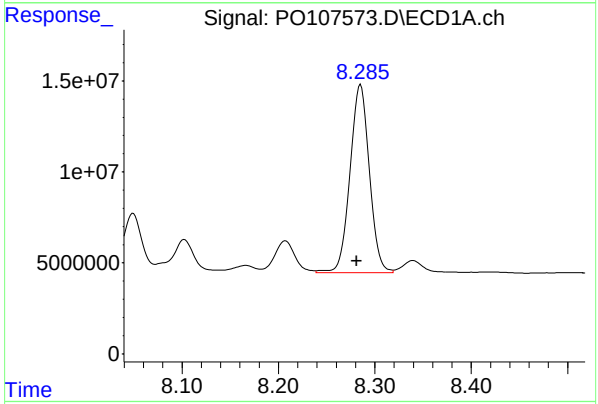
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



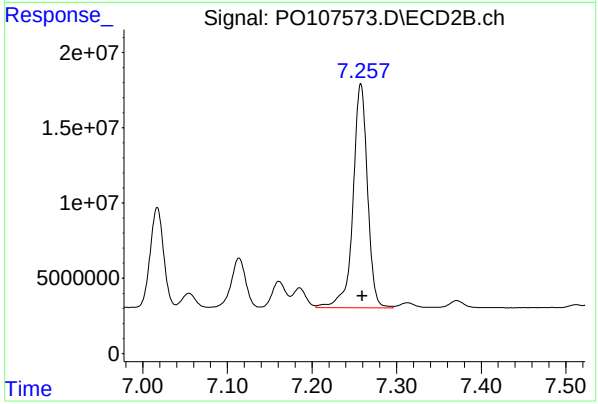

#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: 0.000 min
Response: 73397445
Conc: 507.31 ng/ml




#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.004 min
Response: 144868720
Conc: 509.39 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 177475358
Conc: 538.72 ng/ml

Raw Data: **PO107574.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Weston Solutions, Inc. | Date Collected: | 10/29/24 |
| Project: | RFP 872 | Date Received: | 10/29/24 |
| Client Sample ID: | P001-CF16-01MSD | SDG No.: | P4620 |
| Lab Sample ID: | P4620-27MSD | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Solid: | 95.6 Decanted: |
| Sample Wt/Vol: | 1000 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | SPLP 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 |
|---|---|---|---|---|
| PO107574.D | 1 | 10/31/24 10:30 | 10/31/24 19:52 | PB164566 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 12674-11-2 | Aroclor-1016 | 5.80 | | 0.11 | 0.53 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 0.20 | U | 0.20 | 0.53 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 0.25 | U | 0.25 | 0.53 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 0.086 | U | 0.086 | 0.53 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 0.14 | U | 0.14 | 0.53 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 0.11 | U | 0.11 | 0.53 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 5.90 | | 0.091 | 0.53 | ug/kg |
| **SURROGATES** | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 21.3 | | 32 - 144 | 106% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 16.1 | | 32 - 175 | 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

Sample Results: **PO107574.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:52
Operator : YP/AJ
Sample : P4620-27MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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

| | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|---|---|---|---|---|---|---|---|
| | System Monitoring Compounds | | | | | | |
| 1) SA | Tetrachlo... | 4.370 | 3.644 | 194.1E6 | 66210965 | 21.293 | 20.572 |
| 2) SA | Decachlor... | 10.068 | 8.640 | 39615040 | 43534181 | 16.147 | 15.879 |
| | Target Compounds | | | | | | |
| 3) L1 | AR-1016-1 | 5.521 | 4.725 | 145.8E6 | 59325426 | 540.471 | 574.493 |
| 4) L1 | AR-1016-2 | 5.543 | 4.744 | 217.6E6 | 79864001 | 548.217 | 566.541 |
| 5) L1 | AR-1016-3 | 5.606 | 4.920 | 134.8E6 | 44167453 | 536.790 | 560.888 |
| 6) L1 | AR-1016-4 | 5.703 | 4.961 | 110.0E6 | 33389943 | 571.300 | 505.079 |
| 7) L1 | AR-1016-5 | 5.998 | 5.174 | 101.3E6 | 44475717 | 554.661 | 541.503 |
| 31) L7 | AR-1260-1 | 7.127 | 6.205 | 136.1E6 | 89974919 | 526.320 | 579.905 |
| 32) L7 | AR-1260-2 | 7.383 | 6.392 | 146.9E6 | 105.5E6 | 558.063 | 599.076m |
| 33) L7 | AR-1260-3 | 7.746 | 6.545 | 92246292 | 100.2E6 | 513.206 | 597.524 |
| 34) L7 | AR-1260-4 | 7.970 | 7.017 | 100.6E6 | 73622280 | 573.272 | 508.860 |
| 35) L7 | AR-1260-5 | 8.285 | 7.258 | 147.2E6 | 178.3E6 | 517.743 | 541.165 |

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

Sample Results: **PO107574.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO103124\
Data File : PO107574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 Oct 2024 19:52
Operator : YP/AJ
Sample : P4620-27MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

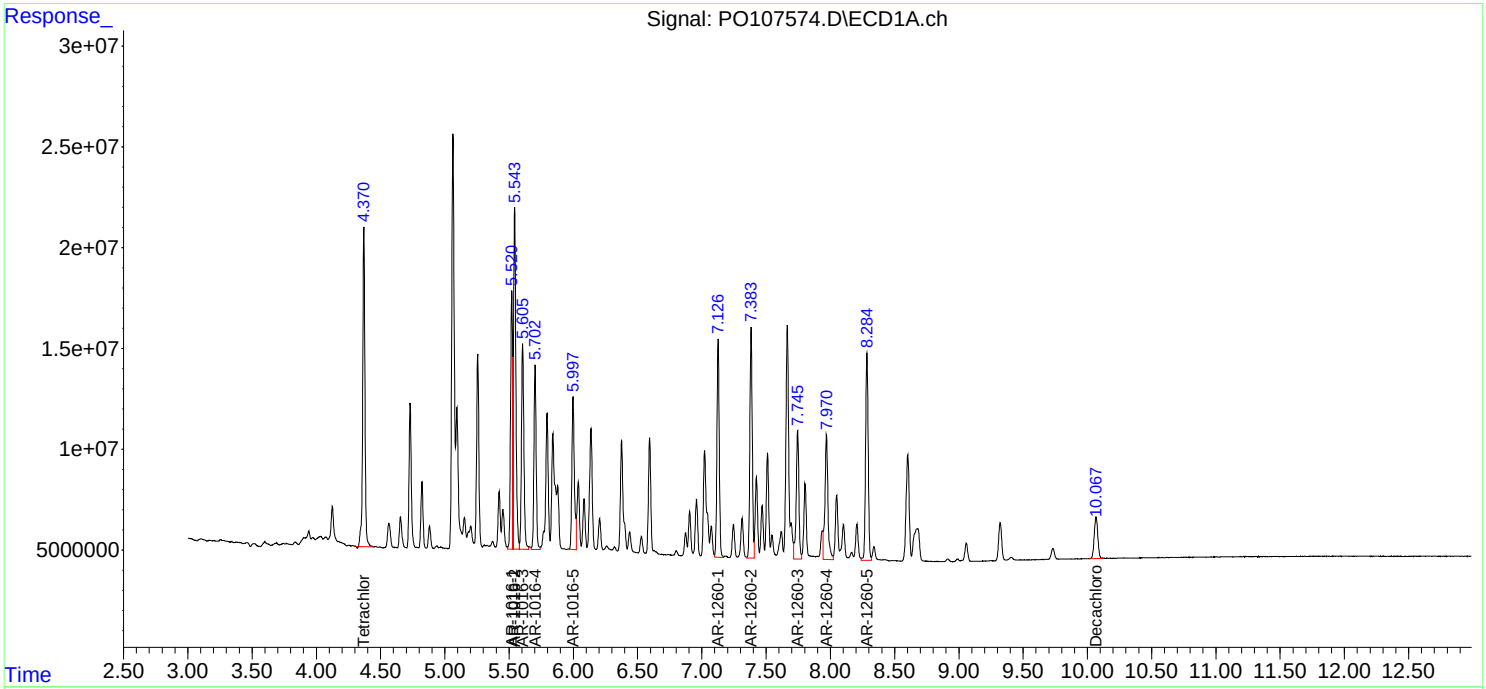
**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

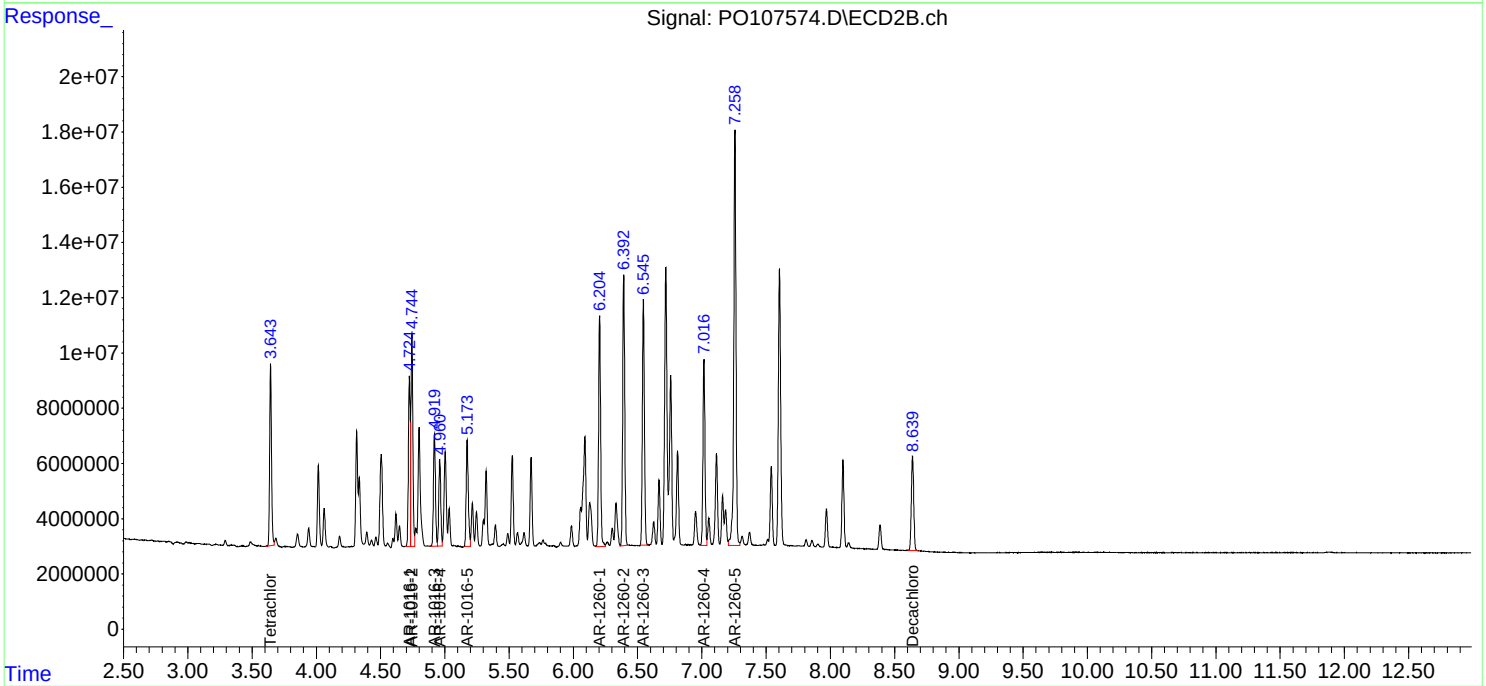
**Manual Integrations APPROVED**

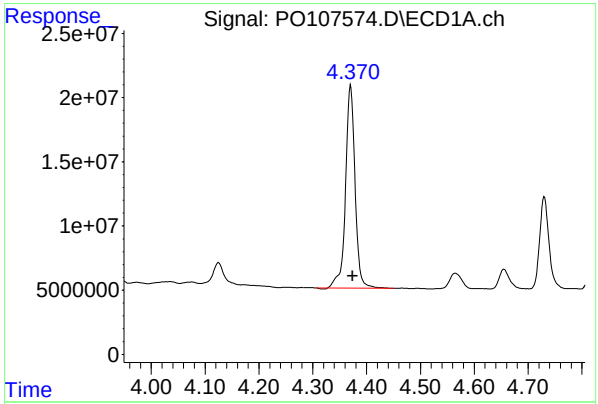
Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 31 23:14:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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





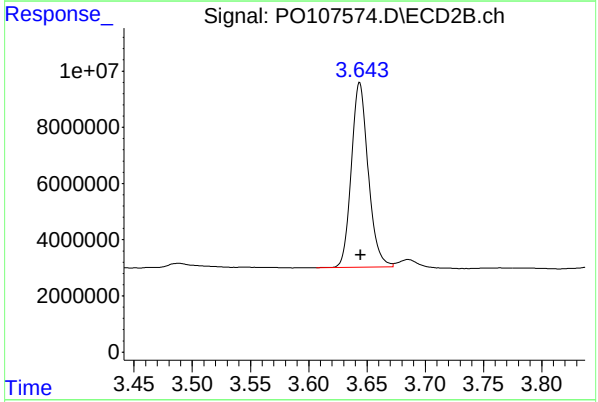

#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: -0.004 min
Response: 194058809
Conc: 21.29 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

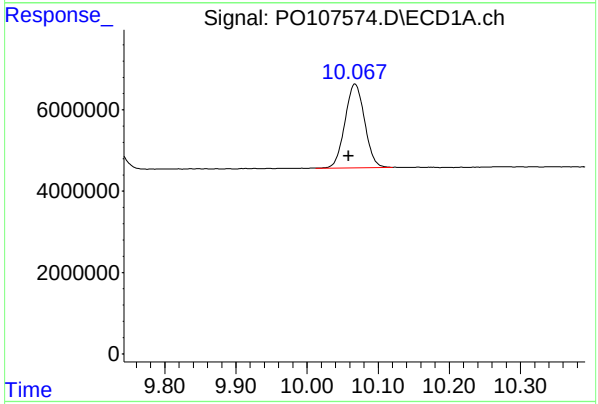
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



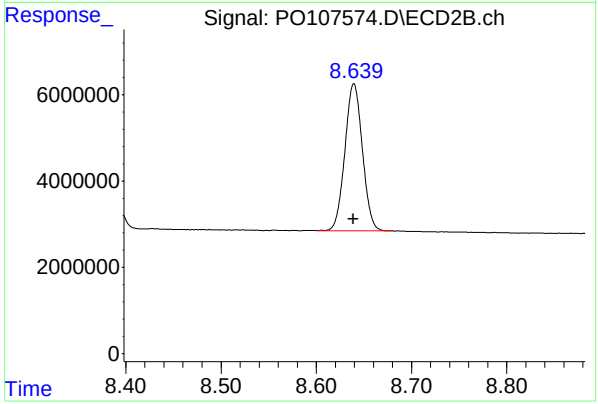

#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 66210965
Conc: 20.57 ng/ml



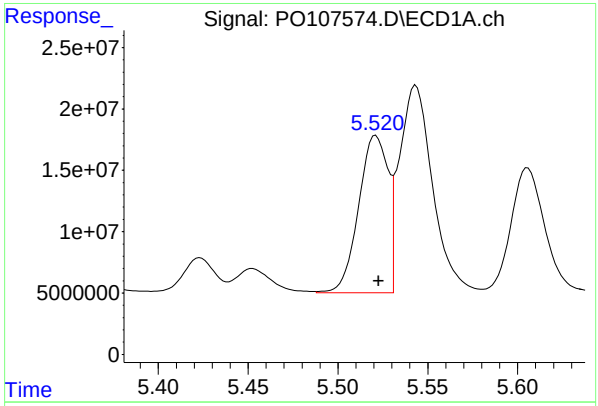

#2 Decachlorobiphenyl

R.T.: 10.068 min
Delta R.T.: 0.009 min
Response: 39615040
Conc: 16.15 ng/ml




#2 Decachlorobiphenyl

R.T.: 8.640 min
Delta R.T.: 0.000 min
Response: 43534181
Conc: 15.88 ng/ml



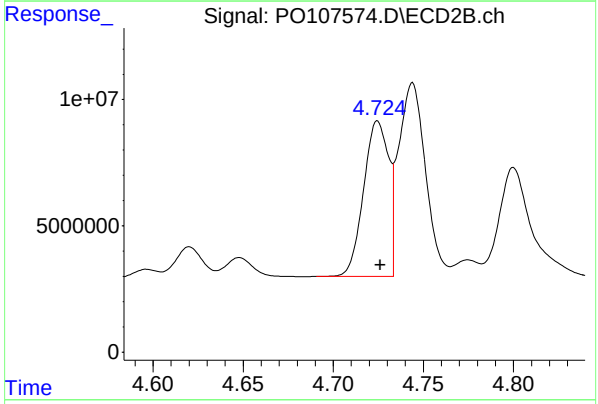

#3 AR-1016-1

R.T.: 5.521 min
Delta R.T.: -0.002 min
Response: 145826875
Conc: 540.47 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

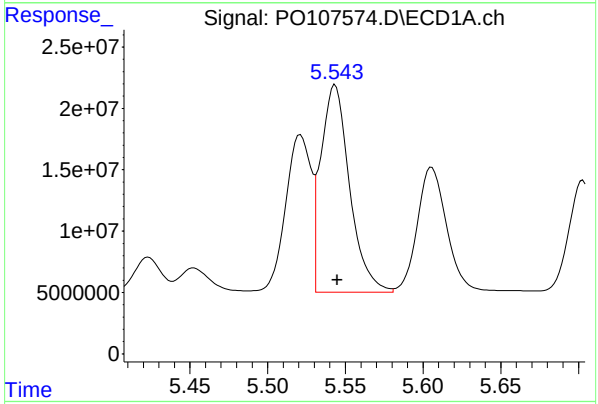
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



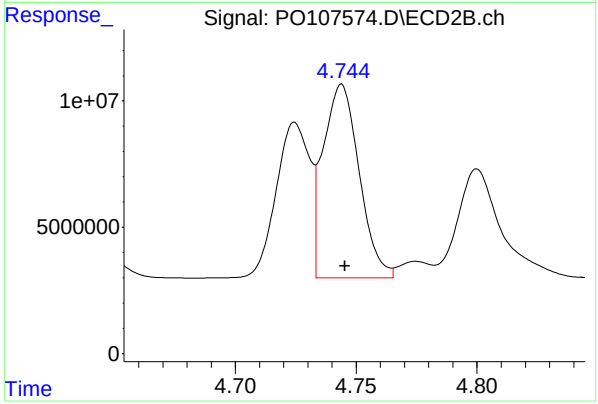

#3 AR-1016-1

R.T.: 4.725 min
Delta R.T.: -0.001 min
Response: 59325426
Conc: 574.49 ng/ml



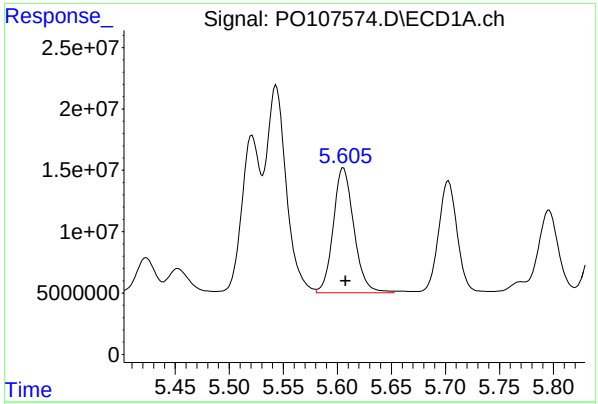

#4 AR-1016-2

R.T.: 5.543 min
Delta R.T.: -0.001 min
Response: 217578999
Conc: 548.22 ng/ml




#4 AR-1016-2

R.T.: 4.744 min
Delta R.T.: -0.001 min
Response: 79864001
Conc: 566.54 ng/ml



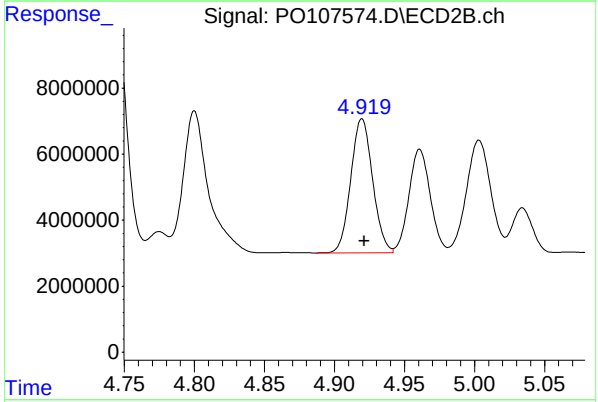

#5 AR-1016-3

R.T.: 5.606 min
Delta R.T.: -0.002 min
Response: 134825373
Conc: 536.79 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

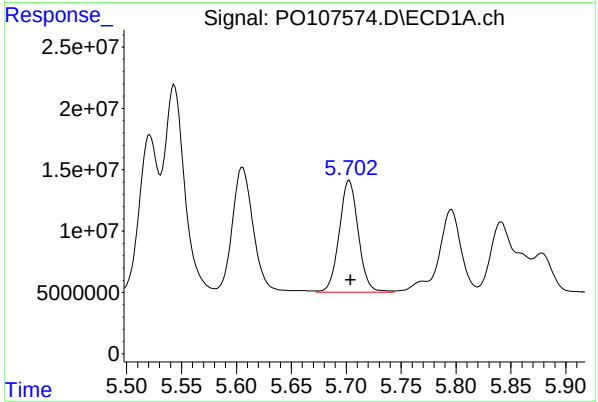
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



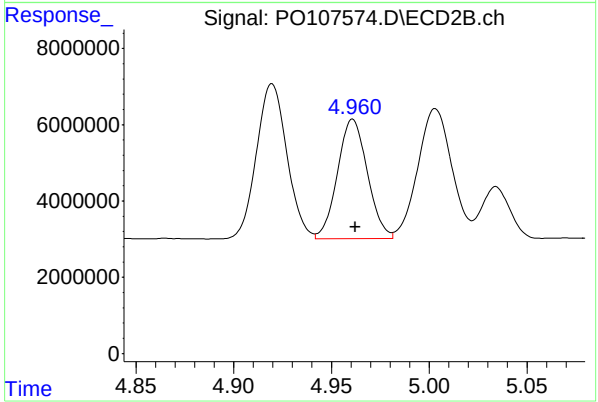

#5 AR-1016-3

R.T.: 4.920 min
Delta R.T.: -0.002 min
Response: 44167453
Conc: 560.89 ng/ml



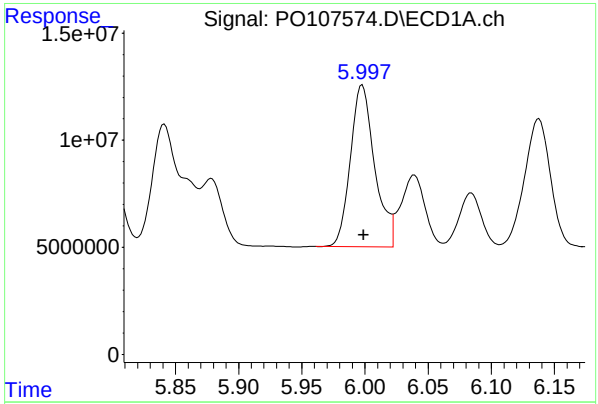

#6 AR-1016-4

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 110039278
Conc: 571.30 ng/ml




#6 AR-1016-4

R.T.: 4.961 min
Delta R.T.: -0.001 min
Response: 33389943
Conc: 505.08 ng/ml



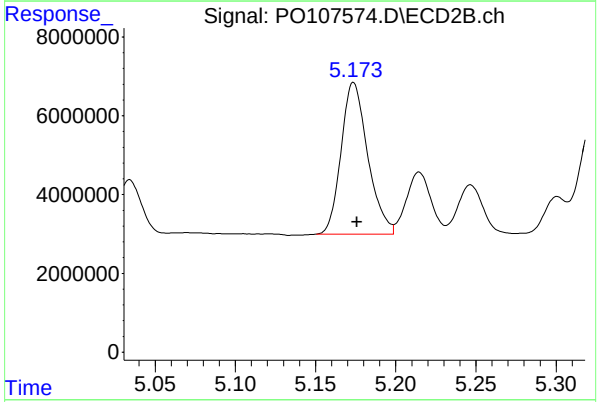

#7 AR-1016-5

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 101310797
Conc: 554.66 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

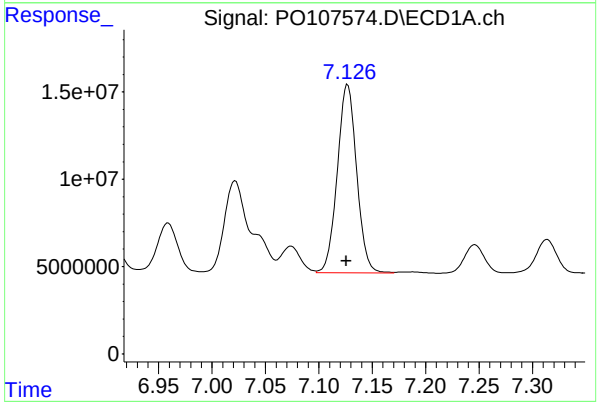
**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



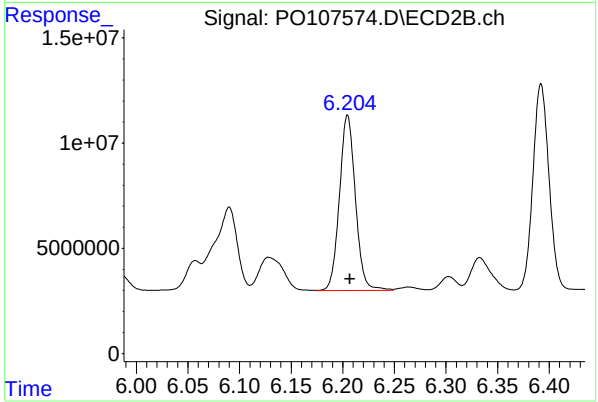

#7 AR-1016-5

R.T.: 5.174 min
Delta R.T.: -0.002 min
Response: 44475717
Conc: 541.50 ng/ml



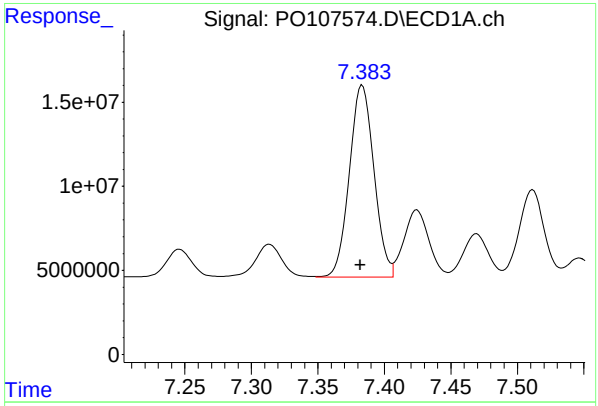

#31 AR-1260-1

R.T.: 7.127 min
Delta R.T.: 0.001 min
Response: 136100403
Conc: 526.32 ng/ml




#31 AR-1260-1

R.T.: 6.205 min
Delta R.T.: -0.002 min
Response: 89974919
Conc: 579.90 ng/ml



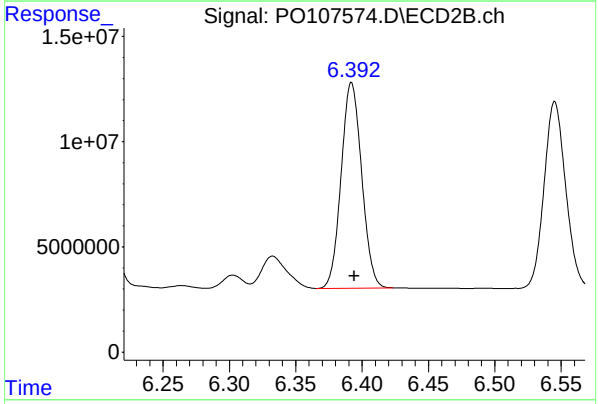

#32 AR-1260-2

R.T.: 7.383 min
Delta R.T.: 0.001 mi
Response: 146893492
Conc: 558.06 ng/m

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

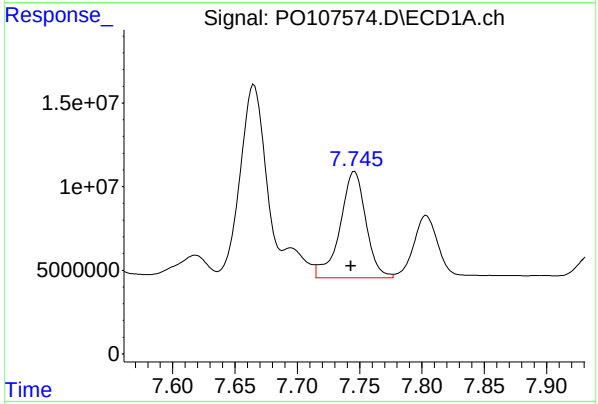
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



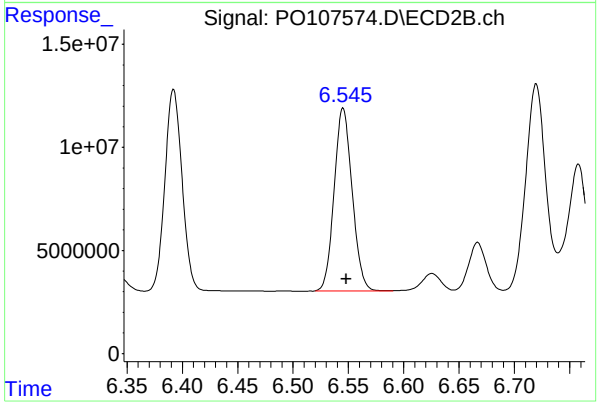

#32 AR-1260-2

R.T.: 6.392 min
Delta R.T.: -0.002 min
Response: 105506635
Conc: 599.08 ng/ml m



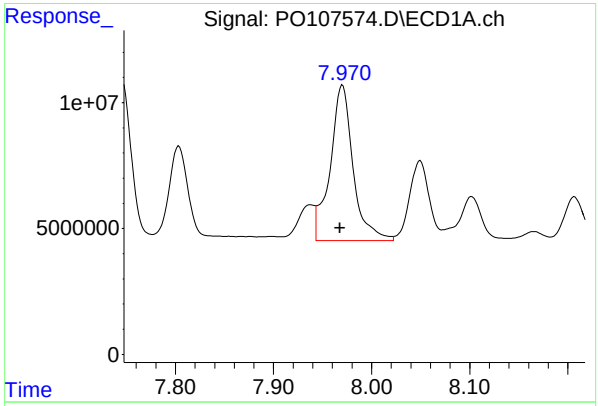

#33 AR-1260-3

R.T.: 7.746 min
Delta R.T.: 0.003 min
Response: 92246292
Conc: 513.21 ng/ml




#33 AR-1260-3

R.T.: 6.545 min
Delta R.T.: -0.003 min
Response: 100233599
Conc: 597.52 ng/ml



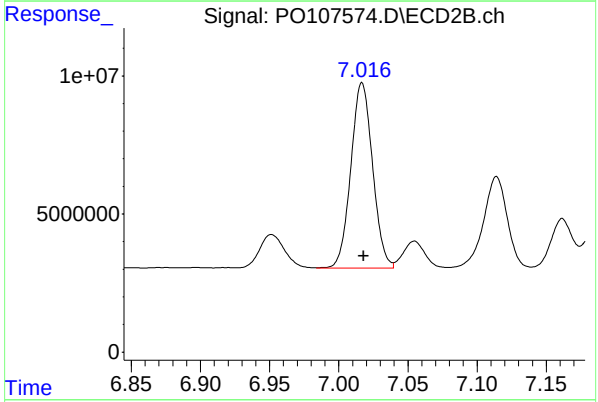

#34 AR-1260-4

R.T.: 7.970 min
Delta R.T.: 0.002 min
Response: 100611532
Conc: 573.27 ng/ml

**Instrument :**
ECD_O
**ClientSampleId :**
P001-CF16-01MSD

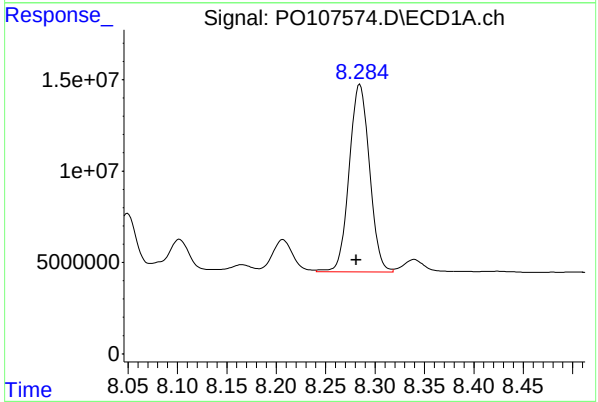
**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024



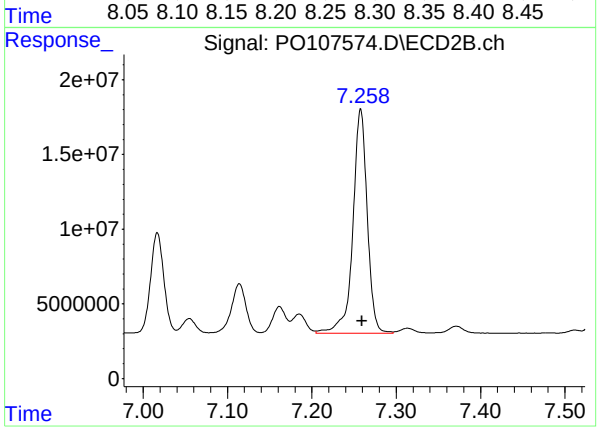

#34 AR-1260-4

R.T.: 7.017 min
Delta R.T.: -0.001 min
Response: 73622280
Conc: 508.86 ng/ml




#35 AR-1260-5

R.T.: 8.285 min
Delta R.T.: 0.003 min
Response: 147242783
Conc: 517.74 ng/ml




#35 AR-1260-5

R.T.: 7.258 min
Delta R.T.: -0.001 min
Response: 178281629
Conc: 541.16 ng/ml

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# Manual Integration Report

| Sequence: | po101524 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC050 | PO107188.D | AR-1260-1 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-2 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-3 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-3 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-4 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-5 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | AR-1260-5 #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1660ICC050 | PO107188.D | Decachlorobiphenyl #2 | yogesh | 10/16/2024 8:48:58 AM | Ankita | 10/16/2024 9:57:34 | Peak Integrated by Software |
| AR1268ICC050 | PO107211.D | AR-1268-1 | yogesh | 10/16/2024 8:49:03 AM | Ankita | 10/16/2024 9:57:36 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO103124 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660CCC500 | PO107549.D | AR-1016-5 #2 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-1 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-1 #2 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-2 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-2 #2 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-3 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1660CCC500 | PO107549.D | AR-1260-4 | yogesh | 11/1/2024 8:32:33 AM | Ankita | 11/4/2024 9:32:13 | Peak Integrated by Software |
| AR1248CCC500 | PO107551.D | AR-1248-1 #2 | yogesh | 11/1/2024 8:32:35 AM | Ankita | 11/4/2024 9:32:14 | Peak Integrated by Software |
| AR1248CCC500 | PO107551.D | AR-1248-5 #2 | yogesh | 11/1/2024 8:32:35 AM | Ankita | 11/4/2024 9:32:14 | Peak Integrated by Software |
| AR1254CCC500 | PO107552.D | AR-1254-2 #2 | yogesh | 11/1/2024 8:32:37 AM | Ankita | 11/4/2024 9:32:16 | Peak Integrated by Software |
| AR1660CCC500 | PO107564.D | AR-1260-1 #2 | Yogesh | 11/4/2024 9:43:20 AM | Ankita | 11/4/2024 9:51:14 | Peak Integrated by Software |
| AR1660CCC500 | PO107564.D | AR-1260-2 #2 | Yogesh | 11/4/2024 9:43:20 AM | Ankita | 11/4/2024 9:51:14 | Peak Integrated by Software |
| AR1254CCC500 | PO107567.D | AR-1254-2 #2 | yogesh | 11/1/2024 8:32:49 AM | Ankita | 11/4/2024 9:32:24 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO103124 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| P4620-16 | PO107569.D | Tetrachloro-m-xylene | yogesh | 11/1/2024 8:32:51 AM | Ankita | 11/4/2024 9:32:25 | Peak Integrated by Software |
| P4620-16 | PO107569.D | Tetrachloro-m-xylene #2 | yogesh | 11/1/2024 8:32:51 AM | Ankita | 11/4/2024 9:32:25 | Peak Integrated by Software |
| P4620-25 | PO107572.D | Tetrachloro-m-xylene | yogesh | 11/1/2024 8:32:53 AM | Ankita | 11/4/2024 9:32:26 | Peak Integrated by Software |
| P4620-26MS | PO107573.D | AR-1260-2 #2 | yogesh | 11/1/2024 8:32:55 AM | Ankita | 11/4/2024 9:32:28 | Peak Integrated by Software |
| P4620-27MSD | PO107574.D | AR-1260-2 #2 | yogesh | 11/1/2024 8:32:56 AM | Ankita | 11/4/2024 9:32:30 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-1 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-1 #2 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-2 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-2 #2 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-3 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1660CCC500 | PO107576.D | AR-1260-4 | yogesh | 11/1/2024 8:32:58 AM | Ankita | 11/4/2024 9:32:31 | Peak Integrated by Software |
| AR1254CCC500 | PO107579.D | AR-1254-2 #2 | yogesh | 11/1/2024 8:33:01 AM | Ankita | 11/4/2024 9:32:33 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | PO103124 | Instrument | ECD_o |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1660ICC250 | PP067590.D | AR-1016-5 #2 | yogesh | 10/9/2024 8:24:09 AM | Ankita | 10/9/2024 9:46:08 | Peak Integrated by Software |
| AR1660ICC050 | PP067591.D | AR-1016-5 #2 | yogesh | 10/9/2024 8:24:11 AM | Ankita | 10/9/2024 9:46:09 | Peak Integrated by Software |
| AR1242ICC500 | PP067596.D | Tetrachloro-m-xylene | yogesh | 10/9/2024 8:24:13 AM | Ankita | 10/9/2024 9:46:11 | Peak Integrated by Software |
| AR1242ICC050 | PP067598.D | Tetrachloro-m-xylene | yogesh | 10/9/2024 8:24:16 AM | Ankita | 10/9/2024 9:46:12 | Peak Integrated by Software |
| AR1254ICC750 | PP067605.D | AR-1254-5 | yogesh | 10/9/2024 8:24:18 AM | Ankita | 10/9/2024 9:46:13 | Peak Integrated by Software |
| AR1254ICC500 | PP067606.D | AR-1254-5 | yogesh | 10/9/2024 8:24:20 AM | Ankita | 10/9/2024 9:46:15 | Peak Integrated by Software |
| AR1254ICC050 | PP067608.D | AR-1254-1 | yogesh | 10/9/2024 8:24:22 AM | Ankita | 10/9/2024 9:48:32 | Peak Integrated by Software |
| AR1254ICC050 | PP067608.D | AR-1254-4 #2 | yogesh | 10/9/2024 8:24:22 AM | Ankita | 10/9/2024 9:48:32 | Peak Integrated by Software |
| AR1262ICC500 | PP067609.D | AR-1262-3 | yogesh | 10/9/2024 8:24:24 AM | Ankita | 10/9/2024 9:48:33 | Peak Integrated by Software |
| AR1268ICC1000 | PP067610.D | AR-1268-1 | yogesh | 10/9/2024 8:24:27 AM | Ankita | 10/9/2024 9:48:35 | Peak Integrated by Software |
| AR1268ICC1000 | PP067610.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:27 AM | Ankita | 10/9/2024 9:48:35 | Peak Integrated by Software |
| AR1268ICC750 | PP067611.D | AR-1268-1 | yogesh | 10/9/2024 8:24:29 AM | Ankita | 10/9/2024 9:48:36 | Peak Integrated by Software |
| AR1268ICC750 | PP067611.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:29 AM | Ankita | 10/9/2024 9:48:36 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1268ICC500 | PP067612.D | AR-1268-1 | yogesh | 10/9/2024 8:24:31 AM | Ankita | 10/9/2024 9:48:38 | Peak Integrated by Software |
| AR1268ICC500 | PP067612.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:31 AM | Ankita | 10/9/2024 9:48:38 | Peak Integrated by Software |
| AR1268ICC250 | PP067613.D | AR-1268-1 | yogesh | 10/9/2024 8:24:33 AM | Ankita | 10/9/2024 9:48:39 | Peak Integrated by Software |
| AR1268ICC250 | PP067613.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:33 AM | Ankita | 10/9/2024 9:48:39 | Peak Integrated by Software |
| AR1268ICC050 | PP067614.D | AR-1268-1 | yogesh | 10/9/2024 8:24:35 AM | Ankita | 10/9/2024 9:48:41 | Peak Integrated by Software |
| AR1268ICC050 | PP067614.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:35 AM | Ankita | 10/9/2024 9:48:41 | Peak Integrated by Software |
| AR1242ICV500 | PP067616.D | AR-1242-1 #2 | yogesh | 10/9/2024 8:24:36 AM | Ankita | 10/9/2024 9:48:43 | Peak Integrated by Software |
| AR1242ICV500 | PP067616.D | AR-1242-2 #2 | yogesh | 10/9/2024 8:24:36 AM | Ankita | 10/9/2024 9:48:43 | Peak Integrated by Software |
| AR1254ICV500 | PP067618.D | AR-1254-4 #2 | yogesh | 10/9/2024 8:24:38 AM | Ankita | 10/9/2024 9:48:44 | Peak Integrated by Software |
| AR1254ICV500 | PP067618.D | AR-1254-5 | yogesh | 10/9/2024 8:24:38 AM | Ankita | 10/9/2024 9:48:44 | Peak Integrated by Software |
| AR1268ICV500 | PP067619.D | AR-1268-1 | yogesh | 10/9/2024 8:24:40 AM | Ankita | 10/9/2024 9:48:46 | Peak Integrated by Software |
| AR1268ICV500 | PP067619.D | AR-1268-1 #2 | yogesh | 10/9/2024 8:24:40 AM | Ankita | 10/9/2024 9:48:46 | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | pp100824 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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# Manual Integration Report

| Sequence: | PP103124 | Instrument | ECD_p |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| AR1242CCC500 | PP068319.D | AR-1242-2 | yogesh | 11/1/2024 9:01:41 AM | Ankita | 11/4/2024 9:51:50 | Peak Integrated by Software |
| AR1254CCC500 | PP068321.D | AR-1254-1 | yogesh | 11/1/2024 9:01:42 AM | Ankita | 11/4/2024 9:51:51 | Peak Integrated by Software |
| AR1254CCC500 | PP068321.D | AR-1254-5 | yogesh | 11/1/2024 9:01:42 AM | Ankita | 11/4/2024 9:51:51 | Peak Integrated by Software |
| PB164566BS | PP068324.D | AR-1260-3 #2 | yogesh | 11/1/2024 9:01:44 AM | Ankita | 11/4/2024 9:51:53 | Peak Integrated by Software |
| P4620-10 | PP068330.D | Tetrachloro-m-xylene | yogesh | 11/1/2024 9:01:45 AM | Ankita | 11/4/2024 9:51:55 | Peak Integrated by Software |
| AR1254CCC500 | PP068336.D | AR-1254-1 | yogesh | 11/1/2024 9:01:47 AM | Ankita | 11/4/2024 9:51:57 | Peak Integrated by Software |
| AR1254CCC500 | PP068336.D | AR-1254-5 | yogesh | 11/1/2024 9:01:47 AM | Ankita | 11/4/2024 9:51:57 | Peak Integrated by Software |
| I.BLK | PP068337.D | Tetrachloro-m-xylene | yogesh | 11/1/2024 9:01:48 AM | Ankita | 11/4/2024 9:51:58 | Peak Integrated by Software |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO107180.D | 15 Oct 2024 13:05 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO107181.D | 15 Oct 2024 13:23 | YP/AJ | Not Ok |
| 3 | HEXANE | PO107182.D | 15 Oct 2024 17:50 | YP/AJ | Ok |
| 4 | I.BLK | PO107183.D | 15 Oct 2024 18:08 | YP/AJ | Ok |
| 5 | AR1660ICC1000 | PO107184.D | 15 Oct 2024 18:27 | YP/AJ | Ok |
| 6 | AR1660ICC750 | PO107185.D | 15 Oct 2024 18:45 | YP/AJ | Ok |
| 7 | AR1660ICC500 | PO107186.D | 15 Oct 2024 19:03 | YP/AJ | Ok |
| 8 | AR1660ICC250 | PO107187.D | 15 Oct 2024 19:21 | YP/AJ | Ok |
| 9 | AR1660ICC050 | PO107188.D | 15 Oct 2024 19:39 | YP/AJ | Ok,M |
| 10 | AR1221ICC500 | PO107189.D | 15 Oct 2024 19:57 | YP/AJ | Ok |
| 11 | AR1232ICC500 | PO107190.D | 15 Oct 2024 20:15 | YP/AJ | Ok |
| 12 | AR1242ICC1000 | PO107191.D | 15 Oct 2024 20:34 | YP/AJ | Ok |
| 13 | AR1242ICC750 | PO107192.D | 15 Oct 2024 20:52 | YP/AJ | Ok |
| 14 | AR1242ICC500 | PO107193.D | 15 Oct 2024 21:10 | YP/AJ | Ok |
| 15 | AR1242ICC250 | PO107194.D | 15 Oct 2024 21:28 | YP/AJ | Ok |
| 16 | AR1242ICC050 | PO107195.D | 15 Oct 2024 21:46 | YP/AJ | Ok |
| 17 | AR1248ICC1000 | PO107196.D | 15 Oct 2024 22:04 | YP/AJ | Ok |
| 18 | AR1248ICC750 | PO107197.D | 15 Oct 2024 22:22 | YP/AJ | Ok |
| 19 | AR1248ICC500 | PO107198.D | 15 Oct 2024 22:41 | YP/AJ | Ok |
| 20 | AR1248ICC250 | PO107199.D | 15 Oct 2024 22:59 | YP/AJ | Ok |
| 21 | AR1248ICC050 | PO107200.D | 15 Oct 2024 23:17 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC1000 | PO107201.D | 15 Oct 2024 23:35 | YP/AJ | Ok |
| 23 | AR1254ICC750 | PO107202.D | 15 Oct 2024 23:53 | YP/AJ | Ok |
| 24 | AR1254ICC500 | PO107203.D | 16 Oct 2024 00:11 | YP/AJ | Ok |
| 25 | AR1254ICC250 | PO107204.D | 16 Oct 2024 00:29 | YP/AJ | Ok |
| 26 | AR1254ICC050 | PO107205.D | 16 Oct 2024 00:47 | YP/AJ | Ok |
| 27 | AR1262ICC500 | PO107206.D | 16 Oct 2024 01:05 | YP/AJ | Ok |
| 28 | AR1268ICC1000 | PO107207.D | 16 Oct 2024 01:23 | YP/AJ | Ok |
| 29 | AR1268ICC750 | PO107208.D | 16 Oct 2024 01:41 | YP/AJ | Ok |
| 30 | AR1268ICC500 | PO107209.D | 16 Oct 2024 01:59 | YP/AJ | Ok |
| 31 | AR1268ICC250 | PO107210.D | 16 Oct 2024 02:18 | YP/AJ | Ok |
| 32 | AR1268ICC050 | PO107211.D | 16 Oct 2024 02:36 | YP/AJ | Ok,M |
| 33 | PO101524ICV500 | PO107212.D | 16 Oct 2024 02:54 | YP/AJ | Ok |
| 34 | AR1242ICV500 | PO107213.D | 16 Oct 2024 03:12 | YP/AJ | Ok |
| 35 | AR1248ICV500 | PO107214.D | 16 Oct 2024 03:30 | YP/AJ | Ok |
| 36 | AR1254ICV500 | PO107215.D | 16 Oct 2024 03:48 | YP/AJ | Ok |
| 37 | AR1268ICV500 | PO107216.D | 16 Oct 2024 04:06 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 12:08:28 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:32:47 AM | | |
| SubDirectory | PO103124 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PO107548.D | 31 Oct 2024 09:14 | YP/AJ | Ok |
| 2 | AR1660CCC500 | PO107549.D | 31 Oct 2024 09:32 | YP/AJ | Ok,M |
| 3 | AR1242CCC500 | PO107550.D | 31 Oct 2024 10:57 | YP/AJ | Ok |
| 4 | AR1248CCC500 | PO107551.D | 31 Oct 2024 11:13 | YP/AJ | Ok,M |
| 5 | AR1254CCC500 | PO107552.D | 31 Oct 2024 11:29 | YP/AJ | Ok,M |
| 6 | I.BLK | PO107553.D | 31 Oct 2024 11:47 | YP/AJ | Ok |
| 7 | PB164556BL | PO107554.D | 31 Oct 2024 13:59 | YP/AJ | Ok |
| 8 | PB164556BS | PO107555.D | 31 Oct 2024 14:15 | YP/AJ | Ok |
| 9 | P4639-01 | PO107556.D | 31 Oct 2024 14:31 | YP/AJ | Ok,M |
| 10 | P4639-01MS | PO107557.D | 31 Oct 2024 14:47 | YP/AJ | Ok,M |
| 11 | P4639-01MSD | PO107558.D | 31 Oct 2024 15:03 | YP/AJ | Ok,M |
| 12 | P4639-03 | PO107559.D | 31 Oct 2024 15:19 | YP/AJ | Ok,M |
| 13 | P4640-01 | PO107560.D | 31 Oct 2024 15:36 | YP/AJ | Ok,M |
| 14 | P4643-01 | PO107561.D | 31 Oct 2024 15:52 | YP/AJ | Ok |
| 15 | P4643-05 | PO107562.D | 31 Oct 2024 16:08 | YP/AJ | Ok |
| 16 | P4643-09 | PO107563.D | 31 Oct 2024 16:24 | YP/AJ | Ok |
| 17 | AR1660CCC500 | PO107564.D | 31 Oct 2024 17:10 | YP/AJ | Ok,M |
| 18 | AR1242CCC500 | PO107565.D | 31 Oct 2024 17:27 | YP/AJ | Ok |
| 19 | AR1248CCC500 | PO107566.D | 31 Oct 2024 17:43 | YP/AJ | Ok |
| 20 | AR1254CCC500 | PO107567.D | 31 Oct 2024 17:59 | YP/AJ | Ok,M |
| 21 | I.BLK | PO107568.D | 31 Oct 2024 18:15 | YP/AJ | Ok |

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**Instrument ID: ECD_O**

## Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 12:08:28 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:32:47 AM | | |
| SubDirectory | PO103124 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P4620-16 | PO107569.D | 31 Oct 2024 18:31 | YP/AJ | Ok,M |
| 23 | P4620-18 | PO107570.D | 31 Oct 2024 18:48 | YP/AJ | Ok |
| 24 | P4620-20 | PO107571.D | 31 Oct 2024 19:04 | YP/AJ | Ok |
| 25 | P4620-25 | PO107572.D | 31 Oct 2024 19:20 | YP/AJ | Ok,M |
| 26 | P4620-26MS | PO107573.D | 31 Oct 2024 19:36 | YP/AJ | Ok,M |
| 27 | P4620-27MSD | PO107574.D | 31 Oct 2024 19:52 | YP/AJ | Ok,M |
| 28 | P4620-30 | PO107575.D | 31 Oct 2024 20:09 | YP/AJ | Ok |
| 29 | AR1660CCC500 | PO107576.D | 31 Oct 2024 20:55 | YP/AJ | Ok,M |
| 30 | AR1242CCC500 | PO107577.D | 31 Oct 2024 21:11 | YP/AJ | Ok |
| 31 | AR1248CCC500 | PO107578.D | 31 Oct 2024 21:27 | YP/AJ | Ok |
| 32 | AR1254CCC500 | PO107579.D | 31 Oct 2024 21:43 | YP/AJ | Ok,M |
| 33 | I.BLK | PO107580.D | 31 Oct 2024 21:59 | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP067585.D | 08 Oct 2024 15:58 | YP\AJ | Ok |
| 2 | I.BLK | PP067586.D | 08 Oct 2024 16:14 | YP\AJ | Ok |
| 3 | AR1660ICC1000 | PP067587.D | 08 Oct 2024 16:30 | YP\AJ | Ok |
| 4 | AR1660ICC750 | PP067588.D | 08 Oct 2024 16:46 | YP\AJ | Ok |
| 5 | AR1660ICC500 | PP067589.D | 08 Oct 2024 17:02 | YP\AJ | Ok |
| 6 | AR1660ICC250 | PP067590.D | 08 Oct 2024 17:19 | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | PP067591.D | 08 Oct 2024 17:35 | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | PP067592.D | 08 Oct 2024 17:51 | YP\AJ | Ok |
| 9 | AR1232ICC500 | PP067593.D | 08 Oct 2024 18:07 | YP\AJ | Ok |
| 10 | AR1242ICC1000 | PP067594.D | 08 Oct 2024 18:23 | YP\AJ | Ok |
| 11 | AR1242ICC750 | PP067595.D | 08 Oct 2024 18:39 | YP\AJ | Ok |
| 12 | AR1242ICC500 | PP067596.D | 08 Oct 2024 18:55 | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | PP067597.D | 08 Oct 2024 19:12 | YP\AJ | Ok |
| 14 | AR1242ICC050 | PP067598.D | 08 Oct 2024 19:28 | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | PP067599.D | 08 Oct 2024 19:44 | YP\AJ | Ok |
| 16 | AR1248ICC750 | PP067600.D | 08 Oct 2024 20:00 | YP\AJ | Ok |
| 17 | AR1248ICC500 | PP067601.D | 08 Oct 2024 20:16 | YP\AJ | Ok |
| 18 | AR1248ICC250 | PP067602.D | 08 Oct 2024 20:32 | YP\AJ | Ok |
| 19 | AR1248ICC050 | PP067603.D | 08 Oct 2024 20:49 | YP\AJ | Ok |
| 20 | AR1254ICC1000 | PP067604.D | 08 Oct 2024 21:05 | YP\AJ | Ok |
| 21 | AR1254ICC750 | PP067605.D | 08 Oct 2024 21:21 | YP\AJ | Ok,M |

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | AR1254ICC500 | PP067606.D | 08 Oct 2024 21:37 | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | PP067607.D | 08 Oct 2024 21:53 | YP\AJ | Ok |
| 24 | AR1254ICC050 | PP067608.D | 08 Oct 2024 22:09 | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | PP067609.D | 08 Oct 2024 22:25 | YP\AJ | Ok,M |
| 26 | AR1268ICC1000 | PP067610.D | 08 Oct 2024 22:42 | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | PP067611.D | 08 Oct 2024 22:58 | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | PP067612.D | 08 Oct 2024 23:14 | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | PP067613.D | 08 Oct 2024 23:30 | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | PP067614.D | 08 Oct 2024 23:46 | YP\AJ | Ok,M |
| 31 | PP100824ICV500 | PP067615.D | 09 Oct 2024 00:02 | YP\AJ | Ok |
| 32 | AR1242ICV500 | PP067616.D | 09 Oct 2024 00:18 | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | PP067617.D | 09 Oct 2024 00:34 | YP\AJ | Ok |
| 34 | AR1254ICV500 | PP067618.D | 09 Oct 2024 00:51 | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | PP067619.D | 09 Oct 2024 01:07 | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID: ECD_P**

## Daily Analysis Runlog For Sequence/QCBatch ID # PP103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 4:09:30 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:52:04 AM | | |
| SubDirectory | PP103124 | HP Acquire Method | | HP Processing Method | PO100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | HEXANE | PP068317.D | 31 Oct 2024 13:41 | YP\AJ | Ok |
| 2 | AR1660CCC500 | PP068318.D | 31 Oct 2024 13:57 | YP\AJ | Ok |
| 3 | AR1242CCC500 | PP068319.D | 31 Oct 2024 14:15 | YP\AJ | Ok,M |
| 4 | AR1248CCC500 | PP068320.D | 31 Oct 2024 14:36 | YP\AJ | Ok |
| 5 | AR1254CCC500 | PP068321.D | 31 Oct 2024 14:53 | YP\AJ | Ok,M |
| 6 | I.BLK | PP068322.D | 31 Oct 2024 15:10 | YP\AJ | Ok |
| 7 | PB164566BL | PP068323.D | 31 Oct 2024 15:39 | YP\AJ | Ok |
| 8 | PB164566BS | PP068324.D | 31 Oct 2024 15:55 | YP\AJ | Ok,M |
| 9 | PB164566TB | PP068325.D | 31 Oct 2024 16:11 | YP\AJ | Ok |
| 10 | P4620-02 | PP068326.D | 31 Oct 2024 16:28 | YP\AJ | Ok |
| 11 | P4620-04 | PP068327.D | 31 Oct 2024 16:44 | YP\AJ | Ok |
| 12 | P4620-06 | PP068328.D | 31 Oct 2024 17:01 | YP\AJ | Ok |
| 13 | P4620-08 | PP068329.D | 31 Oct 2024 17:17 | YP\AJ | Ok |
| 14 | P4620-10 | PP068330.D | 31 Oct 2024 17:33 | YP\AJ | Ok,M |
| 15 | P4620-12 | PP068331.D | 31 Oct 2024 17:50 | YP\AJ | Ok |
| 16 | P4620-14 | PP068332.D | 31 Oct 2024 18:06 | YP\AJ | Ok |
| 17 | AR1660CCC500 | PP068333.D | 31 Oct 2024 18:55 | YP\AJ | Ok |
| 18 | AR1242CCC500 | PP068334.D | 31 Oct 2024 19:12 | YP\AJ | Ok |
| 19 | AR1248CCC500 | PP068335.D | 31 Oct 2024 19:28 | YP\AJ | Ok |
| 20 | AR1254CCC500 | PP068336.D | 31 Oct 2024 19:45 | YP\AJ | Ok,M |
| 21 | I.BLK | PP068337.D | 31 Oct 2024 20:01 | YP\AJ | Ok,M |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO107180.D | 15 Oct 2024 13:05 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO107181.D | 15 Oct 2024 13:23 | need ICAL | YP/AJ | Not Ok |
| 3 | HEXANE | HEXANE | PO107182.D | 15 Oct 2024 17:50 | | YP/AJ | Ok |
| 4 | I.BLK | I.BLK | PO107183.D | 15 Oct 2024 18:08 | | YP/AJ | Ok |
| 5 | AR1660ICC1000 | AR1660ICC1000 | PO107184.D | 15 Oct 2024 18:27 | | YP/AJ | Ok |
| 6 | AR1660ICC750 | AR1660ICC750 | PO107185.D | 15 Oct 2024 18:45 | | YP/AJ | Ok |
| 7 | AR1660ICC500 | AR1660ICC500 | PO107186.D | 15 Oct 2024 19:03 | | YP/AJ | Ok |
| 8 | AR1660ICC250 | AR1660ICC250 | PO107187.D | 15 Oct 2024 19:21 | | YP/AJ | Ok |
| 9 | AR1660ICC050 | AR1660ICC050 | PO107188.D | 15 Oct 2024 19:39 | | YP/AJ | Ok,M |
| 10 | AR1221ICC500 | AR1221ICC500 | PO107189.D | 15 Oct 2024 19:57 | | YP/AJ | Ok |
| 11 | AR1232ICC500 | AR1232ICC500 | PO107190.D | 15 Oct 2024 20:15 | | YP/AJ | Ok |
| 12 | AR1242ICC1000 | AR1242ICC1000 | PO107191.D | 15 Oct 2024 20:34 | | YP/AJ | Ok |
| 13 | AR1242ICC750 | AR1242ICC750 | PO107192.D | 15 Oct 2024 20:52 | | YP/AJ | Ok |
| 14 | AR1242ICC500 | AR1242ICC500 | PO107193.D | 15 Oct 2024 21:10 | | YP/AJ | Ok |
| 15 | AR1242ICC250 | AR1242ICC250 | PO107194.D | 15 Oct 2024 21:28 | | YP/AJ | Ok |
| 16 | AR1242ICC050 | AR1242ICC050 | PO107195.D | 15 Oct 2024 21:46 | | YP/AJ | Ok |
| 17 | AR1248ICC1000 | AR1248ICC1000 | PO107196.D | 15 Oct 2024 22:04 | | YP/AJ | Ok |
| 18 | AR1248ICC750 | AR1248ICC750 | PO107197.D | 15 Oct 2024 22:22 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC500 | AR1248ICC500 | PO107198.D | 15 Oct 2024 22:41 | | YP/AJ | Ok |
| 20 | AR1248ICC250 | AR1248ICC250 | PO107199.D | 15 Oct 2024 22:59 | | YP/AJ | Ok |
| 21 | AR1248ICC050 | AR1248ICC050 | PO107200.D | 15 Oct 2024 23:17 | | YP/AJ | Ok |
| 22 | AR1254ICC1000 | AR1254ICC1000 | PO107201.D | 15 Oct 2024 23:35 | | YP/AJ | Ok |
| 23 | AR1254ICC750 | AR1254ICC750 | PO107202.D | 15 Oct 2024 23:53 | | YP/AJ | Ok |
| 24 | AR1254ICC500 | AR1254ICC500 | PO107203.D | 16 Oct 2024 00:11 | | YP/AJ | Ok |
| 25 | AR1254ICC250 | AR1254ICC250 | PO107204.D | 16 Oct 2024 00:29 | | YP/AJ | Ok |
| 26 | AR1254ICC050 | AR1254ICC050 | PO107205.D | 16 Oct 2024 00:47 | | YP/AJ | Ok |
| 27 | AR1262ICC500 | AR1262ICC500 | PO107206.D | 16 Oct 2024 01:05 | | YP/AJ | Ok |
| 28 | AR1268ICC1000 | AR1268ICC1000 | PO107207.D | 16 Oct 2024 01:23 | | YP/AJ | Ok |
| 29 | AR1268ICC750 | AR1268ICC750 | PO107208.D | 16 Oct 2024 01:41 | | YP/AJ | Ok |
| 30 | AR1268ICC500 | AR1268ICC500 | PO107209.D | 16 Oct 2024 01:59 | | YP/AJ | Ok |
| 31 | AR1268ICC250 | AR1268ICC250 | PO107210.D | 16 Oct 2024 02:18 | | YP/AJ | Ok |
| 32 | AR1268ICC050 | AR1268ICC050 | PO107211.D | 16 Oct 2024 02:36 | | YP/AJ | Ok,M |
| 33 | PO101524ICV500 | ICVPO101524 | PO107212.D | 16 Oct 2024 02:54 | | YP/AJ | Ok |
| 34 | AR1242ICV500 | ICVPO101524AR1242 | PO107213.D | 16 Oct 2024 03:12 | | YP/AJ | Ok |
| 35 | AR1248ICV500 | ICVPO101524AR1248 | PO107214.D | 16 Oct 2024 03:30 | | YP/AJ | Ok |
| 36 | AR1254ICV500 | ICVPO101524AR1254 | PO107215.D | 16 Oct 2024 03:48 | | YP/AJ | Ok |
| 37 | AR1268ICV500 | ICVPO101524AR1268 | PO107216.D | 16 Oct 2024 04:06 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/16/2024 8:49:12 AM | | |
| Supervise By | Ankita | Supervise On | 10/16/2024 9:57:42 AM | | |
| SubDirectory | PO101524 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

M : Manual Integration

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 12:08:28 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:32:47 AM | | |
| SubDirectory | PO103124 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PO107548.D | 31 Oct 2024 09:14 | | YP/AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PO107549.D | 31 Oct 2024 09:32 | | YP/AJ | Ok,M |
| 3 | AR1242CCC500 | AR1242CCC500 | PO107550.D | 31 Oct 2024 10:57 | | YP/AJ | Ok |
| 4 | AR1248CCC500 | AR1248CCC500 | PO107551.D | 31 Oct 2024 11:13 | | YP/AJ | Ok,M |
| 5 | AR1254CCC500 | AR1254CCC500 | PO107552.D | 31 Oct 2024 11:29 | | YP/AJ | Ok,M |
| 6 | I.BLK | I.BLK | PO107553.D | 31 Oct 2024 11:47 | | YP/AJ | Ok |
| 7 | PB164556BL | PB164556BL | PO107554.D | 31 Oct 2024 13:59 | | YP/AJ | Ok |
| 8 | PB164556BS | PB164556BS | PO107555.D | 31 Oct 2024 14:15 | | YP/AJ | Ok |
| 9 | P4639-01 | EO-01-103024 | PO107556.D | 31 Oct 2024 14:31 | | YP/AJ | Ok,M |
| 10 | P4639-01MS | EO-01-103024MS | PO107557.D | 31 Oct 2024 14:47 | | YP/AJ | Ok,M |
| 11 | P4639-01MSD | EO-01-103024MSD | PO107558.D | 31 Oct 2024 15:03 | | YP/AJ | Ok,M |
| 12 | P4639-03 | EO-02-103024 | PO107559.D | 31 Oct 2024 15:19 | | YP/AJ | Ok,M |
| 13 | P4640-01 | MH-3 | PO107560.D | 31 Oct 2024 15:36 | | YP/AJ | Ok,M |
| 14 | P4643-01 | BP-F9-ADDITIONAL | PO107561.D | 31 Oct 2024 15:52 | | YP/AJ | Ok |
| 15 | P4643-05 | BP-F8 | PO107562.D | 31 Oct 2024 16:08 | | YP/AJ | Ok |
| 16 | P4643-09 | TP-9 | PO107563.D | 31 Oct 2024 16:24 | | YP/AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PO107564.D | 31 Oct 2024 17:10 | | YP/AJ | Ok,M |
| 18 | AR1242CCC500 | AR1242CCC500 | PO107565.D | 31 Oct 2024 17:27 | | YP/AJ | Ok |

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**Instrument ID:** ECD_O

## Daily Analysis Runlog For Sequence/QCBatch ID # PO103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 12:08:28 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:32:47 AM | | |
| SubDirectory | PO103124 | HP Acquire Method | | HP Processing Method | PO101524 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PO107566.D | 31 Oct 2024 17:43 | | YP/AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PO107567.D | 31 Oct 2024 17:59 | | YP/AJ | Ok,M |
| 21 | I.BLK | I.BLK | PO107568.D | 31 Oct 2024 18:15 | | YP/AJ | Ok |
| 22 | P4620-16 | P001-CF13-01 | PO107569.D | 31 Oct 2024 18:31 | | YP/AJ | Ok,M |
| 23 | P4620-18 | P001-CF14-01 | PO107570.D | 31 Oct 2024 18:48 | | YP/AJ | Ok |
| 24 | P4620-20 | P001-CF15-01 | PO107571.D | 31 Oct 2024 19:04 | | YP/AJ | Ok |
| 25 | P4620-25 | P001-CF16-01 | PO107572.D | 31 Oct 2024 19:20 | | YP/AJ | Ok,M |
| 26 | P4620-26MS | P001-CF16-01MS | PO107573.D | 31 Oct 2024 19:36 | | YP/AJ | Ok,M |
| 27 | P4620-27MSD | P001-CF16-01MSD | PO107574.D | 31 Oct 2024 19:52 | | YP/AJ | Ok,M |
| 28 | P4620-30 | P001-CF16-02 | PO107575.D | 31 Oct 2024 20:09 | | YP/AJ | Ok |
| 29 | AR1660CCC500 | AR1660CCC500 | PO107576.D | 31 Oct 2024 20:55 | | YP/AJ | Ok,M |
| 30 | AR1242CCC500 | AR1242CCC500 | PO107577.D | 31 Oct 2024 21:11 | | YP/AJ | Ok |
| 31 | AR1248CCC500 | AR1248CCC500 | PO107578.D | 31 Oct 2024 21:27 | | YP/AJ | Ok |
| 32 | AR1254CCC500 | AR1254CCC500 | PO107579.D | 31 Oct 2024 21:43 | | YP/AJ | Ok,M |
| 33 | I.BLK | I.BLK | PO107580.D | 31 Oct 2024 21:59 | | YP/AJ | Ok |

M : Manual Integration

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP067585.D | 08 Oct 2024 15:58 | | YP\AJ | Ok |
| 2 | I.BLK | I.BLK | PP067586.D | 08 Oct 2024 16:14 | | YP\AJ | Ok |
| 3 | AR1660ICC1000 | AR1660ICC1000 | PP067587.D | 08 Oct 2024 16:30 | | YP\AJ | Ok |
| 4 | AR1660ICC750 | AR1660ICC750 | PP067588.D | 08 Oct 2024 16:46 | | YP\AJ | Ok |
| 5 | AR1660ICC500 | AR1660ICC500 | PP067589.D | 08 Oct 2024 17:02 | | YP\AJ | Ok |
| 6 | AR1660ICC250 | AR1660ICC250 | PP067590.D | 08 Oct 2024 17:19 | | YP\AJ | Ok,M |
| 7 | AR1660ICC050 | AR1660ICC050 | PP067591.D | 08 Oct 2024 17:35 | | YP\AJ | Ok,M |
| 8 | AR1221ICC500 | AR1221ICC500 | PP067592.D | 08 Oct 2024 17:51 | | YP\AJ | Ok |
| 9 | AR1232ICC500 | AR1232ICC500 | PP067593.D | 08 Oct 2024 18:07 | | YP\AJ | Ok |
| 10 | AR1242ICC1000 | AR1242ICC1000 | PP067594.D | 08 Oct 2024 18:23 | | YP\AJ | Ok |
| 11 | AR1242ICC750 | AR1242ICC750 | PP067595.D | 08 Oct 2024 18:39 | | YP\AJ | Ok |
| 12 | AR1242ICC500 | AR1242ICC500 | PP067596.D | 08 Oct 2024 18:55 | | YP\AJ | Ok,M |
| 13 | AR1242ICC250 | AR1242ICC250 | PP067597.D | 08 Oct 2024 19:12 | | YP\AJ | Ok |
| 14 | AR1242ICC050 | AR1242ICC050 | PP067598.D | 08 Oct 2024 19:28 | | YP\AJ | Ok,M |
| 15 | AR1248ICC1000 | AR1248ICC1000 | PP067599.D | 08 Oct 2024 19:44 | | YP\AJ | Ok |
| 16 | AR1248ICC750 | AR1248ICC750 | PP067600.D | 08 Oct 2024 20:00 | | YP\AJ | Ok |
| 17 | AR1248ICC500 | AR1248ICC500 | PP067601.D | 08 Oct 2024 20:16 | | YP\AJ | Ok |
| 18 | AR1248ICC250 | AR1248ICC250 | PP067602.D | 08 Oct 2024 20:32 | | YP\AJ | Ok |

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**Instrument ID:** ECD_P

## Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/9/2024 8:24:57 AM | | |
| Supervise By | Ankita | Supervise On | 10/9/2024 9:49:08 AM | | |
| SubDirectory | PP100824 | HP Acquire Method | | HP Processing Method | PP100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248ICC050 | AR1248ICC050 | PP067603.D | 08 Oct 2024 20:49 | | YP\AJ | Ok |
| 20 | AR1254ICC1000 | AR1254ICC1000 | PP067604.D | 08 Oct 2024 21:05 | | YP\AJ | Ok |
| 21 | AR1254ICC750 | AR1254ICC750 | PP067605.D | 08 Oct 2024 21:21 | | YP\AJ | Ok,M |
| 22 | AR1254ICC500 | AR1254ICC500 | PP067606.D | 08 Oct 2024 21:37 | | YP\AJ | Ok,M |
| 23 | AR1254ICC250 | AR1254ICC250 | PP067607.D | 08 Oct 2024 21:53 | | YP\AJ | Ok |
| 24 | AR1254ICC050 | AR1254ICC050 | PP067608.D | 08 Oct 2024 22:09 | | YP\AJ | Ok,M |
| 25 | AR1262ICC500 | AR1262ICC500 | PP067609.D | 08 Oct 2024 22:25 | | YP\AJ | Ok,M |
| 26 | AR1268ICC1000 | AR1268ICC1000 | PP067610.D | 08 Oct 2024 22:42 | | YP\AJ | Ok,M |
| 27 | AR1268ICC750 | AR1268ICC750 | PP067611.D | 08 Oct 2024 22:58 | | YP\AJ | Ok,M |
| 28 | AR1268ICC500 | AR1268ICC500 | PP067612.D | 08 Oct 2024 23:14 | | YP\AJ | Ok,M |
| 29 | AR1268ICC250 | AR1268ICC250 | PP067613.D | 08 Oct 2024 23:30 | | YP\AJ | Ok,M |
| 30 | AR1268ICC050 | AR1268ICC050 | PP067614.D | 08 Oct 2024 23:46 | | YP\AJ | Ok,M |
| 31 | PP100824ICV500 | ICVPP100824 | PP067615.D | 09 Oct 2024 00:02 | | YP\AJ | Ok |
| 32 | AR1242ICV500 | ICVPP100824AR1242 | PP067616.D | 09 Oct 2024 00:18 | | YP\AJ | Ok,M |
| 33 | AR1248ICV500 | ICVPP100824AR1248 | PP067617.D | 09 Oct 2024 00:34 | | YP\AJ | Ok |
| 34 | AR1254ICV500 | ICVPP100824AR1254 | PP067618.D | 09 Oct 2024 00:51 | | YP\AJ | Ok,M |
| 35 | AR1268ICV500 | ICVPP100824AR1268 | PP067619.D | 09 Oct 2024 01:07 | | YP\AJ | Ok,M |

M : Manual Integration

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 # PP103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 4:09:30 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:52:04 AM | | |
| SubDirectory | PP103124 | HP Acquire Method | | HP Processing Method | PO100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | HEXANE | HEXANE | PP068317.D | 31 Oct 2024 13:41 | | YP\AJ | Ok |
| 2 | AR1660CCC500 | AR1660CCC500 | PP068318.D | 31 Oct 2024 13:57 | | YP\AJ | Ok |
| 3 | AR1242CCC500 | AR1242CCC500 | PP068319.D | 31 Oct 2024 14:15 | | YP\AJ | Ok,M |
| 4 | AR1248CCC500 | AR1248CCC500 | PP068320.D | 31 Oct 2024 14:36 | | YP\AJ | Ok |
| 5 | AR1254CCC500 | AR1254CCC500 | PP068321.D | 31 Oct 2024 14:53 | | YP\AJ | Ok,M |
| 6 | I.BLK | I.BLK | PP068322.D | 31 Oct 2024 15:10 | | YP\AJ | Ok |
| 7 | PB164566BL | PB164566BL | PP068323.D | 31 Oct 2024 15:39 | | YP\AJ | Ok |
| 8 | PB164566BS | PB164566BS | PP068324.D | 31 Oct 2024 15:55 | | YP\AJ | Ok,M |
| 9 | PB164566TB | PB164566TB | PP068325.D | 31 Oct 2024 16:11 | | YP\AJ | Ok |
| 10 | P4620-02 | P001-CF06-01 | PP068326.D | 31 Oct 2024 16:28 | | YP\AJ | Ok |
| 11 | P4620-04 | P001-CF07-01 | PP068327.D | 31 Oct 2024 16:44 | | YP\AJ | Ok |
| 12 | P4620-06 | P001-CF08-01 | PP068328.D | 31 Oct 2024 17:01 | | YP\AJ | Ok |
| 13 | P4620-08 | P001-CF09-01 | PP068329.D | 31 Oct 2024 17:17 | | YP\AJ | Ok |
| 14 | P4620-10 | P001-CF10-01 | PP068330.D | 31 Oct 2024 17:33 | | YP\AJ | Ok,M |
| 15 | P4620-12 | P001-CF11-01 | PP068331.D | 31 Oct 2024 17:50 | | YP\AJ | Ok |
| 16 | P4620-14 | P001-CF12-01 | PP068332.D | 31 Oct 2024 18:06 | | YP\AJ | Ok |
| 17 | AR1660CCC500 | AR1660CCC500 | PP068333.D | 31 Oct 2024 18:55 | | YP\AJ | Ok |
| 18 | AR1242CCC500 | AR1242CCC500 | PP068334.D | 31 Oct 2024 19:12 | | 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 # PP103124

| | | | | | |
|---|---|---|---|---|---|
| Review By | yogesh | Review On | 10/31/2024 4:09:30 PM | | |
| Supervise By | Ankita | Supervise On | 11/4/2024 9:52:04 AM | | |
| SubDirectory | PP103124 | HP Acquire Method | | HP Processing Method | PO100824 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 |
| Internal Standard/PEM | |
| ICV/I.BLK | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | AR1248CCC500 | AR1248CCC500 | PP068335.D | 31 Oct 2024 19:28 | | YP\AJ | Ok |
| 20 | AR1254CCC500 | AR1254CCC500 | PP068336.D | 31 Oct 2024 19:45 | | YP\AJ | Ok,M |
| 21 | I.BLK | I.BLK | PP068337.D | 31 Oct 2024 20:01 | | YP\AJ | Ok,M |

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# SPLP EXTRACTION LOGPAGE

PB164539

**SOP ID :** M1312-SPLP-10

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-4

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

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

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

**TCLP Filter ID :** 114771

**Start Prep Date :** 10/30/2024 **Time :** 14:00

**End Prep Date :** 10/31/2024 **Time :** 07:15

**Combination Ratio :** 20

**ZHE Cleaning Batch :** N/A

**Initial Room Temperature:** 24 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** IZ

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

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| SPLP FLUID | N/A | WP110482 |
| N/A | N/A | N/A |
| HNO3-TCLP,1N | N/A | WP108585 |
| pH Strips | N/A | W1931,W1934,W2350,W2755 |
| pH Strips | N/A | W1937,W1938,W1939,W1940,W1941,W1942 |
| 1 Liter Amber | N/A | 23091 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

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

TUMBLER T-2 /ZHE-2 CHECKED,30 RPM.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 10/31/24 10:00 | JP Lab Room | RS LEACH DEP |
| | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**SPLP EXTRACTION LOGPAGE**

PB164539

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | 11 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-04 | P001-CF07-01 | 12 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-06 | P001-CF08-01 | 13 | 100.04 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-08 | P001-CF09-01 | 14 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-10 | P001-CF10-01 | 15 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-12 | P001-CF11-01 | 16 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-14 | P001-CF12-01 | 17 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-16 | P001-CF13-01 | 18 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-18 | P001-CF14-01 | 19 | 100.01 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-20 | P001-CF15-01 | 20 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-25 | P001-CF16-01 | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | ZHE-2 |
| P4620-26 | P4620-25MS | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-27 | P4620-25MSD | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-30 | P001-CF16-02 | 22 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| PB164539TB | LEB539 | 23 | N/A | 2000 | N/A | N/A | N/A | 4.22 | N/A | ZHE-2 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-04 | P001-CF07-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-06 | P001-CF08-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-08 | P001-CF09-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-10 | P001-CF10-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-12 | P001-CF11-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-14 | P001-CF12-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-16 | P001-CF13-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-18 | P001-CF14-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-20 | P001-CF15-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-25 | P001-CF16-01 | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-26 | P4620-25MS | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-27 | P4620-25MSD | N/A | N/A | N/A | N/A | 100 | N/A |
| P4620-30 | P001-CF16-02 | N/A | N/A | N/A | N/A | 100 | N/A |
| PB164539TB | LEB539 | N/A | N/A | N/A | N/A | N/A | N/A |

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**SPLP Fluid Determination**

PB164539

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

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-04 | P001-CF07-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-06 | P001-CF08-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-08 | P001-CF09-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-10 | P001-CF10-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-12 | P001-CF11-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-14 | P001-CF12-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-16 | P001-CF13-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-18 | P001-CF14-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-20 | P001-CF15-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-25 | P001-CF16-01 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-26 | P4620-25MS | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-27 | P4620-25MSD | N/A | N/A | N/A | N/A | #1 | 4.22 |
| P4620-30 | P001-CF16-02 | N/A | N/A | N/A | N/A | #1 | 4.22 |
| PB164539TB | LEB539 | N/A | N/A | N/A | N/A | #1 | 4.22 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** splp p4620 **WorkList ID :** 184948 **Department :** TCLP Extraction **Date :** 10-30-2024 11:50:48

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-04 | P001-CF07-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-06 | P001-CF08-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-08 | P001-CF09-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-10 | P001-CF10-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-12 | P001-CF11-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-14 | P001-CF12-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-16 | P001-CF13-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-18 | P001-CF14-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-20 | P001-CF15-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-25 | P001-CF16-01 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-26 | P4620-25MS | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-27 | P4620-25MSD | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |
| P4620-30 | P001-CF16-02 | Solid | SPLP Extraction | Cool 4 deg C | ROYF02 | K41 | 10/29/2024 | 1312 |

**Date/Time** 10/30/24 12:00
**Raw Sample Received by:** [illegible]
**Raw Sample Relinquished by:** [illegible]



**Date/Time** 10/30/24 15:00
**Raw Sample Received by:** [illegible]
**Raw Sample Relinquished by:** [illegible]

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## SPLP EXTRACTION LOGPAGE

PB164539

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | 11 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-04 | P001-CF07-01 | 12 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-06 | P001-CF08-01 | 13 | 100.04 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-08 | P001-CF09-01 | 14 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-10 | P001-CF10-01 | 15 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-12 | P001-CF11-01 | 16 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-14 | P001-CF12-01 | 17 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-16 | P001-CF13-01 | 18 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-18 | P001-CF14-01 | 19 | 100.01 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-20 | P001-CF15-01 | 20 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-25 | P001-CF16-01 | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | ZHE-2 |
| P4620-26 | P4620-25MS | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-27 | P4620-25MSD | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-30 | P001-CF16-02 | 22 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| PB164539TB | LEB539 | 23 | N/A | 2000 | N/A | N/A | N/A | 4.22 | N/A | ZHE-2 |

10/31/2024

10:00

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## SPLP EXTRACTION LOGPAGE

PB164539

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| P4620-02 | P001-CF06-01 | 11 | 100.02 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-04 | P001-CF07-01 | 12 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-06 | P001-CF08-01 | 13 | 100.04 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-08 | P001-CF09-01 | 14 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-10 | P001-CF10-01 | 15 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-12 | P001-CF11-01 | 16 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-14 | P001-CF12-01 | 17 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-16 | P001-CF13-01 | 18 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-18 | P001-CF14-01 | 19 | 100.01 | 2000 | N/A | N/A | N/A | 7.2 | N/A | T-2 |
| P4620-20 | P001-CF15-01 | 20 | 100.02 | 2000 | N/A | N/A | N/A | 7.0 | N/A | T-2 |
| P4620-25 | P001-CF16-01 | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.2 | N/A | ZHE-2 |
| P4620-26 | P4620-25MS | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-27 | P4620-25MSD | 21 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| P4620-30 | P001-CF16-02 | 22 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | N/A | ZHE-2 |
| PB164539TB | LEB539 | 23 | N/A | 2000 | N/A | N/A | N/A | 4.22 | N/A | ZHE-2 |

10/31/2025

10:00

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# Prep Standard - Chemical Standard Summary

**Order ID :** P4620

**Test :** SPLP PCB

**Prepbatch ID :** PB164566,

**Sequence ID/Qc Batch ID:** PO103124,PP103124,

**Standard ID :**

EP2539,EP2548,EP2554,PP23640,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23858
,

**Chemical ID :**

E3551,E3788,E3792,E3793,E3804,E3805,E3815,E3819,M5178,P10483,P10500,P11507,P11512,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12946,P12947,P12957,P13033,P13350,P13351,P13372,W3112,

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# Extractions STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 230 | 1:1ACETONE/HEXANE | EP2539 | 09/17/2024 | 03/11/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 09/17/2024 |

**FROM** 4000.00000ml of E3792 + 4000.00000ml of E3793 = Final Quantity: 8000.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 314 | 1.1 H2SO4 SOLN | EP2548 | 10/16/2024 | 04/16/2025 | Rajesh Parikh | None | None | RUPESHKUMAR SHAH 10/16/2024 |

**FROM** 1000.00000ml of W3112 + 4000.00000ml of M5178 = Final Quantity: 2000.000 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 | EP2554 | 10/26/2024 | 01/03/2025 | RUPESHKUMAR SHAH | Extraction_SCALE_2 (EX-SC-2) | None | Rajesh Parikh 10/26/2024 |

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

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3857 | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | PP23640 | 09/09/2024 | 01/12/2025 | Ankita Jodhani | None | None | Yogesh Patel 09/10/2024 |

**FROM** 0.50000ml of P12946 + 99.50000ml of E3788 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

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

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

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 202 | AR1660 1000/100 ppb working solution 1st source | PP23735 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 203 | AR1660 750 PPB STD | PP23736 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 204 | AR1660 500 PPB STD | PP23737 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 205 | AR1660 250 PPB STD | PP23738 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 206 | AR1660 50 PPB STD | PP23739 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 213 | AR1221 1000 PPB WORKING SOLUTION | PP23740 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1079 | AR1221 750 PPB STD | PP23741 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 222 | AR1221 500 PPB STD | PP23742 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1080 | AR1221 250 PPB STD | PP23743 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1081 | AR1221 50 PPB STD | PP23744 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 214 | AR1232 1000 PPB WORKING SOLUTION | PP23745 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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 |
|---|---|---|---|---|---|---|---|---|
| 1063 | AR1232 750 PPB STD | PP23747 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 223 | AR1232 500 PPB STD | PP23748 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1064 | AR1232 250 PPB STD | PP23749 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1065 | AR1232 50 PPB STD | PP23750 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 215 | AR1242 1000 PPB WORKING STD | PP23751 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1067 | AR1242 750 PPB STD | PP23752 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 224 | AR1242 500 PPB STD | PP23753 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1068 | AR1242 250 PPB STD | PP23754 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1069 | AR1242 50 PPB STD | PP23755 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 216 | AR1248 1000 PPB WORKING STD | PP23756 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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 |
|---|---|---|---|---|---|---|---|---|
| 1075 | AR1248 750 PPB STD | PP23757 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 225 | AR1248 500 PPB STD | PP23758 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

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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 |
|---|---|---|---|---|---|---|---|---|
| 1076 | AR1248 250 PPB STD | PP23759 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1077 | AR1248 50 PPB STD | PP23760 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 217 | AR1254 1000 PPB WORKING STD | PP23761 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1071 | AR1254 750 PPB STD | PP23762 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 226 | AR1254 500 PPB STD | PP23763 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1072 | AR1254 250 PPB STD | PP23764 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1073 | AR1254 50 PPB STD | PP23765 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1529 | AR1262 1000 PPB Working Solution | PP23766 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3753 | AR1262 750 PPB STD | PP23767 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1530 | AR1262 500 PPB STD | PP23768 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3754 | AR1262 250 PPB STD | PP23769 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3755 | AR1262 50 PPB STD | PP23770 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1532 | AR1268 1000 PPB Working Solution | PP23771 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3820 | AR1268 750 PPB STD | PP23772 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1533 | AR1268 500 PPB STD | PP23773 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3821 | AR1268 250 PPB STD | PP23774 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3822 | AR1268 50 PPB STD | PP23775 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 404 | AR1660 100 PPM Stock Solution 2nd Source | PP23776 | 10/03/2024 | 04/01/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

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# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 405 | AR1660 1000/100 PPB ICV STD | PP23777 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 406 | AR1660 500 PPB ICV | PP23778 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3789 | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | PP23779 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3790 | AR1221 500 PPB ICV(AGILENT) | PP23780 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

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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 |
|---|---|---|---|---|---|---|---|---|
| 1887 | AR1232 1000 PPB Working Sol. 2nd Source | PP23781 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1889 | AR1242 1000 PPB Working Sol. 2nd Source | PP23782 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

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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 | PP23783 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1891 | AR1242 500 PPB ICV | PP23784 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

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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 |
|---|---|---|---|---|---|---|---|---|
| 1890 | AR1248 1000 PPB Working Sol. 2nd Source | PP23785 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1892 | AR1248 500 PPB ICV | PP23786 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1893 | AR1254 1000 PPB Working Sol. 2nd Source | PP23787 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1894 | AR1254 500 PPB ICV | PP23788 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

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

# Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3757 | AR1262 1000 PPB Working Solution second source | PP23789 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 3758 | AR1262 500 PPB STD ICV | PP23790 | 10/03/2024 | 03/30/2025 | Ankita Jodhani | None | None | Yogesh Patel 10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

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Fax : 908 789 8922

# Pest/Pcb STANDARD PREPARATION LOG

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

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

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

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

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 23H1462005 | 04/23/2025 | 08/13/2024 / Rajesh | 08/13/2024 / Rajesh | E3788 |

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

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 03/11/2025 | 09/12/2024 / Rajesh | 09/11/2024 / Rajesh | E3793 |

| 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 | 05/01/2025 | 10/01/2024 / Rajesh | 09/25/2024 / Rajesh | E3804 |

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

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025 | 10/04/2024 / Rajesh | 10/04/2024 / Rajesh | E3815 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 04/15/2025 | 10/15/2024 / Rajesh | 10/09/2024 / Rajesh | E3819 |

| 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 | 03/29/2026 | 05/25/2022 / william | 04/05/2022 / william | M5178 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0163157 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Abdul | P10483 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0167722 | 04/03/2025 | 10/03/2024 / Ankita | 03/19/2021 / Ankita | P10500 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11507 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006626997 | 04/03/2025 | 10/03/2024 / Ankita | 02/21/2022 / Ankita | P11512 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0175456 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11581 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0173309 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11587 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0175403 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11590 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | A0181782 | 04/03/2025 | 10/03/2024 / Ankita | 03/18/2022 / Abdul | P11597 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 91867 / Aroclor 1232 100 ug/mL | 020823 | 04/03/2025 | 10/03/2024 / Ankita | 08/07/2023 / Ankita | P12698 |

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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 | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12929 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 04/03/2025 | 10/03/2024 / Ankita | 12/07/2023 / Ankita | P12934 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 01/12/2025 | 07/12/2024 / Abdul | 12/20/2023 / Yogesh | P12946 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P12947 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 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 # |
|---|---|---|---|---|---|---|
| Absolute Standards,Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025 | 10/03/2024 / Ankita | 12/20/2023 / Yogesh | P13033 |

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# CHEMICAL RECEIPT LOG BOOK

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

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

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025 | 10/03/2024 / Ankita | 05/02/2024 / Ankita | P13372 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

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

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

# CERTIFICATE OF ANALYSIS

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

| TEST | SPECIFICATIONS | LOT VALUES |
|---|---|---|
| Assay ($Na_2SO_4$) | Min. 99.0% | 99.7 % |
| pH of a 5% solution at 25°C | 5.2 - 9.2 | 6.1 |
| Insoluble matter | Max. 0.01% | 0.005 % |
| Loss on ignition | Max. 0.5% | 0.1 % |
| Chloride (Cl) | Max. 0.001% | <0.001 % |
| Nitrogen compounds (as N) | Max. 5 ppm | <5 ppm |
| Phosphate ($PO_4$) | Max. 0.001% | <0.001 % |
| Heavy metals (as Pb) | Max. 5 ppm | <5 ppm |
| Iron (Fe) | Max. 0.001% | <0.001 % |
| Calcium (Ca) | Max. 0.01% | 0.002 % |
| Magnesium (Mg) | Max. 0.005% | 0.001 % |
| Potassium (K) | Max. 0.008% | 0.003 % |
| Extraction-concentration suitability | Passes test | Passes test |
| Appearance | Passes test | Passes test |
| Identification | Passes test | Passes test |
| Solubility and foreing matter | Passes test | Passes test |
| Retained on US Standard No. 10 sieve | Max. 1% | 0.1 % |
| Retained on US Standard No. 60 sieve | Min. 94% | 97.3 % |
| Through US Standard No. 60 sieve | Max. 5% | 2.5 % |
| Through US Standard No. 100 sieve | Max. 10% | 0.1 % |

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by RB on 7/24/23 E3551

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.4 % | 99.7 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.3 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.6 | < 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.3 % |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 09/11/24

E 3792

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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 9/11/24

E3793

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

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected for water) | ≥ 99.5 % | 99.8 % |
| Color (APHA) | ≤ 10 | < 5 |
| Residue after Evaporation | ≤ 5 ppm | < 1 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.1 |
| Titrable Base (µeq/g) | ≤ 0.5 | 0.1 |
| Water ($H_2O$) | ≤ 0.5 % | 0.1 % |
| Solubility in $H_2O$ | Passes Test | Passes Test |
| Chloride (Cl) | ≤ 0.2 ppm | < 0.2 ppm |
| Phosphate ($PO_4$) | ≤ 0.05 ppm | < 0.05 ppm |
| Trace Impurities - Aluminum (Al) | ≤ 50.0 ppb | < 5.0 ppb |
| Arsenic and Antimony (as As) | ≤ 5.0 ppb | < 5.0 ppb |
| Trace Impurities - Barium (Ba) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Beryllium (Be) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Bismuth (Bi) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities - Boron (B) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities - Cadmium (Cd) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Calcium (Ca) | ≤ 25.0 ppb | 3.6 ppb |
| Trace Impurities - Chromium (Cr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Cobalt (Co) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Copper (Cu) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Gallium (Ga) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Germanium (Ge) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Gold (Au) | ≤ 20 ppb | < 5 ppb |
| Trace Impurities - Iron (Fe) | ≤ 20.0 ppb | < 1.0 ppb |
| Trace Impurities - Lead (Pb) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities - Lithium (Li) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities - Magnesium (Mg) | ≤ 20 ppb | < 1 ppb |
| Trace Impurities - Manganese (Mn) | ≤ 10.0 ppb | < 1.0 ppb |

>>> Continued on page 2 >>>

Recd by RP on 9/25/24

E 3804

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|
| Trace Impurities – Molybdenum (Mo) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Nickel (Ni) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Niobium (Nb) | ≤ 50.0 ppb | < 1.0 ppb |
| Trace Impurities – Potassium (K) | ≤ 10.0 ppb | < 10.0 ppb |
| Trace Impurities – Silicon (Si) | ≤ 50 ppb | < 10 ppb |
| Trace Impurities – Silver (Ag) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Sodium (Na) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Strontium (Sr) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Tantalum (Ta) | ≤ 50.0 ppb | < 5.0 ppb |
| Trace Impurities – Thallium (Tl) | ≤ 10.0 ppb | < 5.0 ppb |
| Trace Impurities – Tin (Sn) | ≤ 20.0 ppb | < 10.0 ppb |
| Trace Impurities – Titanium (Ti) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Vanadium (V) | ≤ 10.0 ppb | < 1.0 ppb |
| Trace Impurities – Zinc (Zn) | ≤ 20.0 ppb | 7.9 ppb |
| Trace Impurities – Zirconium (Zr) | ≤ 10.0 ppb | < 1.0 ppb |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | ≤ 100 par/ml | 8 par/ml |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | ≤ 8 par/ml | 2 par/ml |

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

| Test | Specification | Result |
|---|---|---|

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | < 1 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) – Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.4 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 9/25/24

E3805

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($(CH_3)_2CO$) (by GC, corrected forwater) | >= 99.4 % | 99.8 % |
| Color (APHA) | <= 10 | 5 |
| Residue after Evaporation | <= 1.0 ppm | 0.2 ppm |
| Substances Reducing Permanganate | Passes Test | Passes Test |
| Titrable Acid (µeq/g) | <= 0.3 | 0.2 |
| Titrable Base (µeq/g) | <= 0.6 | <0.1 |
| Water ($H_2O$) | <= 0.5 % | 0.2 % |
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | <1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 1 |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL) | ≤ 5 | 3 |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL) | ≤ 10 | 1 |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5 | 1 |
| Assay (Total Saturated $C_6$ Isomers) (by GC, corrected for water) | ≥ 99.5 % | 99.7 % |
| Assay (as n-Hexane) (by GC, corrected for water) | ≥ 95 % | 98 % |
| Color (APHA) | ≤ 10 | 5 |
| Residue after Evaporation | ≤ 1.0 ppm | 0.1 ppm |
| Substances Darkened by $H_2SO_4$ | Passes Test | Passes Test |
| Water (by KF, coulometric) | ≤ 0.05 % | < 0.01 % |

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 10/09/24

E 3819

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32039 **Lot No.:** A0163157

**Description :** Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1016 | | 1,007.0 µg/mL | +/- 5.8683 | µg/mL | Gravimetric |
| | **CAS #** 12674-11-2 | (Lot 04) | | +/- 31.9082 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.6868 | µg/mL | Stressed |
| 2 | Aroclor 1260 | | 1,008.0 µg/mL | +/- 5.8741 | µg/mL | Gravimetric |
| | **CAS #** 11096-82-5 | (Lot 07) | | +/- 31.9399 | µg/mL | Unstressed |
| | **Purity** ----% | | | +/- 41.7282 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P10476
&
P10480

AR
02/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

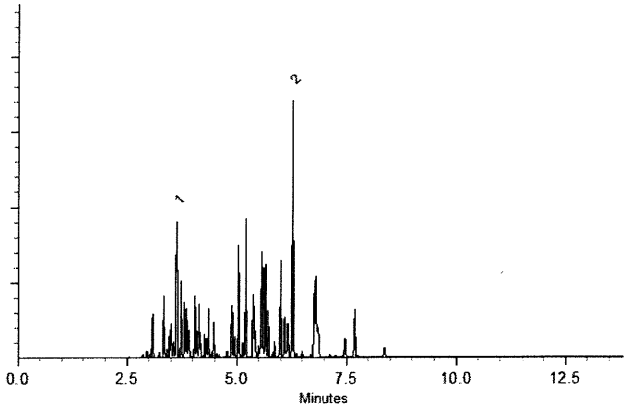
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Aug-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

**Date Passed:** 05-Aug-2020

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32409 **Lot No.:** A0167722

**Description :** Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1262 | 1,004.0 µg/mL | +/- 5.9635 | µg/mL | Gravimetric |
| | **CAS #** 37324-23-5 (Lot 10849100) | | +/- 31.8340 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.5787 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P10496
J
P10500

AJ
09/19/21

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

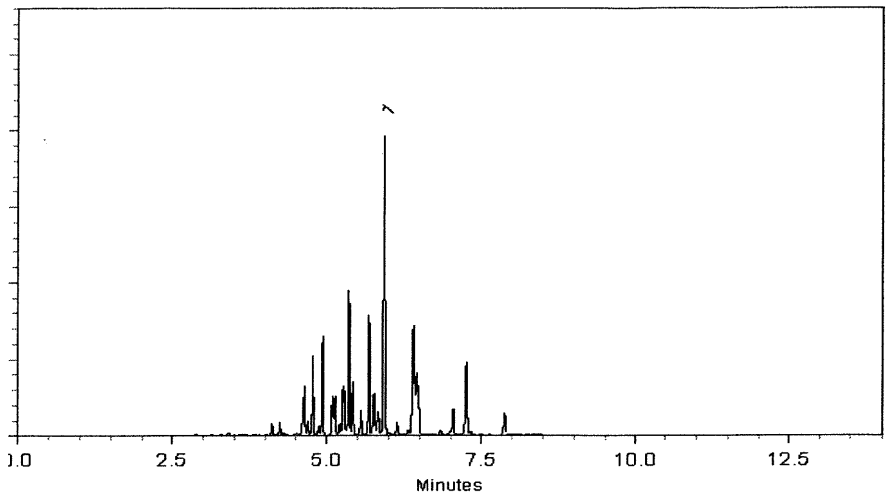
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 03-Jan-2021 **Balance:** B707717271

Marlina Cowan - Operations Tech I

**Date Passed:** 05-Jan-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

ISO 17034

Agilent
Trusted Answers

# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1242 Standard | **Lot Number:** | 0006665550 |
| **Product Number:** | PP-312-1 | **Lot Issue Date:** | 08-Feb-2022 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Jan-2027 |

| | CERTIFIED VALUES | | | |
|---|---|---|---|---|
| Component Name | Concentration | Expanded Uncertainty | CAS# | Analyte Lot |
| Aroclor 1242 | 100.4 ± | 0.5 µg/mL | 053469-21-9 | NT01020 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 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.

P11533 + P11537

AJ 02/21/22

**Maintenance of Certification:**
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois
QMS Representative

ISO 17034

Agilent
Trusted Answers

# Reference Material Certificate

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1248 Standard | **Lot Number:** | 0006626997 |
| **Product Number:** | PP-342-1 | **Lot Issue Date:** | 17-Aug-2021 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 30-Sep-2025 |

| | CERTIFIED VALUES | | | | |
|---|---|---|---|---|---|
| Component Name | Concentration | | Expanded Uncertainty | CAS# | Analyte Lot |
| Aroclor 1248 | 100.3 | ± | 0.5 µg/mL | 012672-29-6 | NT01582 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508 ↓ P11512 AJ 12/21/22

**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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# CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32007 **Lot No.:** A0175456

**Description :** Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1221 | 1,002.0 µg/mL | +/- 5.9516 | µg/mL | Gravimetric |
| | **CAS #** 11104-28-2 (Lot 10210500) | | +/- 31.7706 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4958 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11578 ↓ P 11582 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

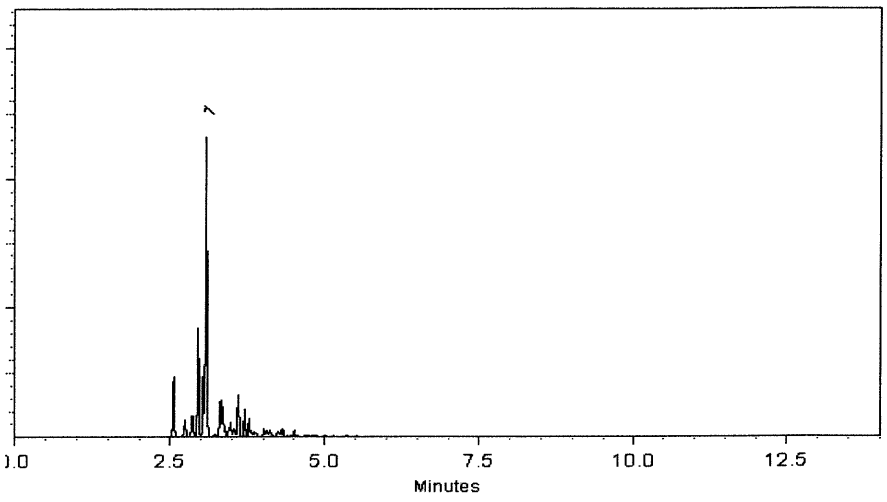
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 16-Aug-2021 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 18-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11578 ↓ P11582 (5)

AR 04/30/22

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32008 **Lot No.:** A0173309

**Description :** Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | Aroclor 1232 | 1,001.0 µg/mL | +/- 5.9456 µg/mL | Gravimetric |
| | **CAS #** 11141-16-5 (Lot 15665-01) | | +/- 31.7389 µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4544 µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11583 ↓ P11597 (S)

AR 04/30/22

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

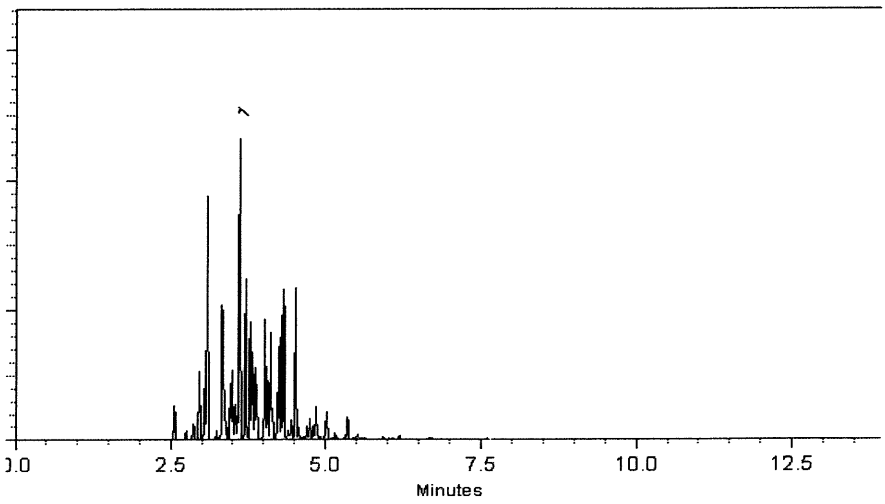
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 13-Jun-2021 **Balance:** B442140311

Alexis Shelow - Operations Tech I

**Date Passed:** 16-Jun-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11583 ↓ P11587 | (5)

AR 04/30/22

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32011 **Lot No.:** A0175403

**Description :** Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1254 | 1,000.7 µg/mL | +/- 5.9437 | µg/mL | Gravimetric |
| | **CAS #** 11097-69-1 (Lot 124-191-B) | | +/- 31.7284 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4406 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P11588 ↓ P11592 | 5

AR 04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

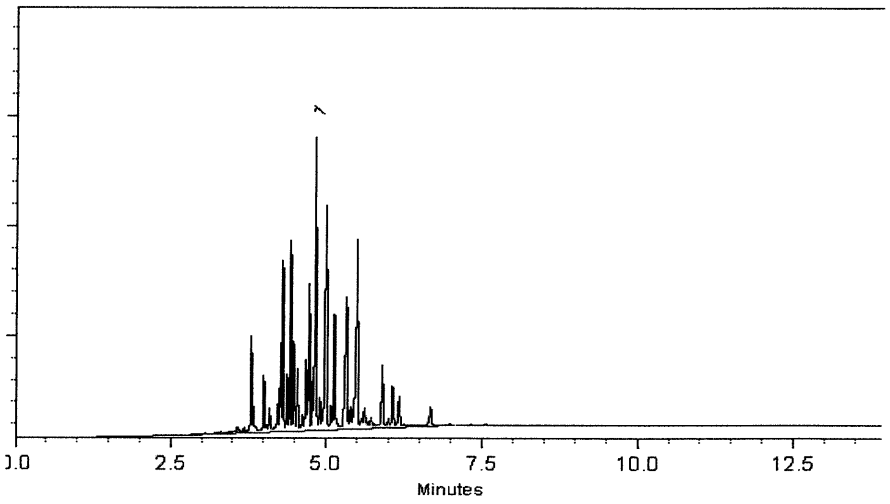
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

**Date Mixed:** 15-Aug-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

**Date Passed:** 17-Aug-2021

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P11588 | (5)
1
P11592

AR
04/30/22

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32410 **Lot No.:** A0181782

**Description :** Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2028 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | | |
|---|---|---|---|---|---|
| 1 | Aroclor 1268 | 1,001.4 µg/mL | +/- 5.9480 | µg/mL | Gravimetric |
| | **CAS #** 11100-14-4 (Lot 10947000) | | +/- 31.7516 | µg/mL | Unstressed |
| | **Purity** ----% | | +/- 41.4710 | µg/mL | Stressed |

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

P 11593 (5)
↓
P 11597

AR 04/30/2022

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

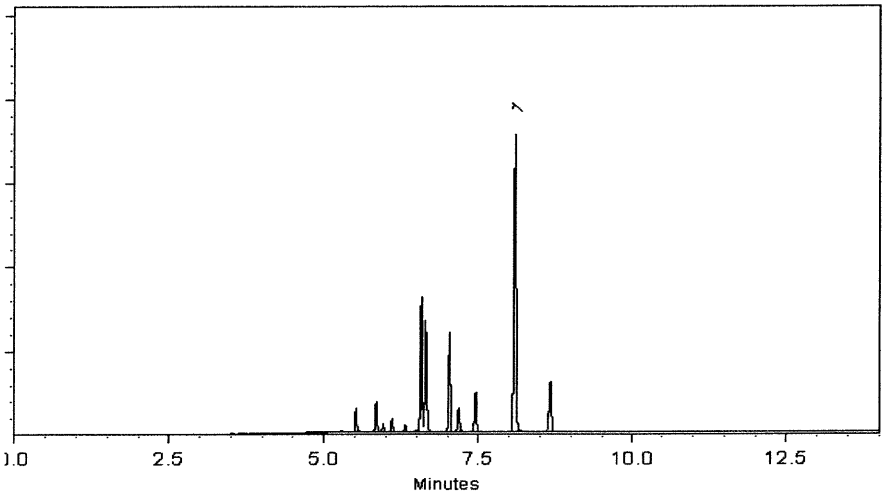
**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

**Date Mixed:** 14-Feb-2022 **Balance:** 1128360905

Clara Windle - Operations Technician I

**Date Passed:** 17-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

P 11593 (5)
↓
P 11597
04/30/2022

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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

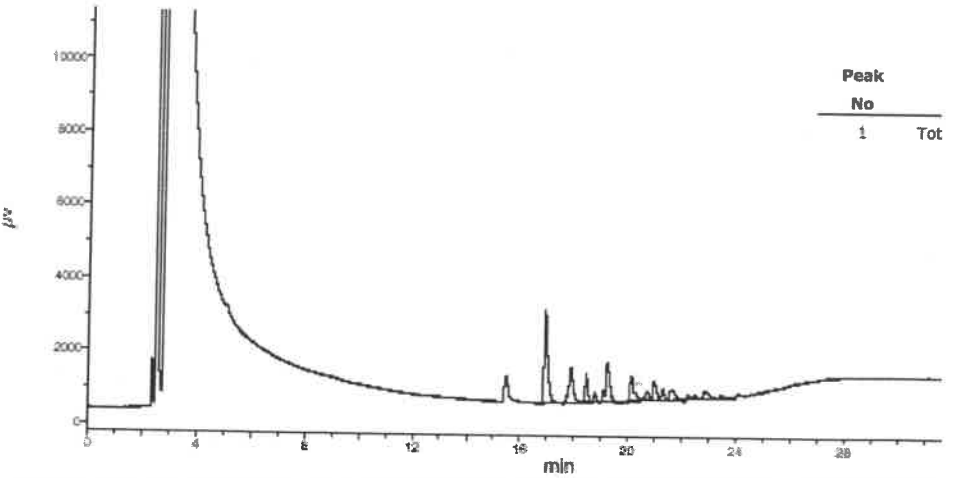
Weight(s) shown below were combined and diluted to (mL): 100.0

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



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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32009 **Lot No.:** A0203672

**Description :** Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

P12928
↓
P12932
AJ
12/07/23

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1242 | 53469-21-9 | 01141 | ---% | 1,004.7 µg/mL | +/- 55.7515 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

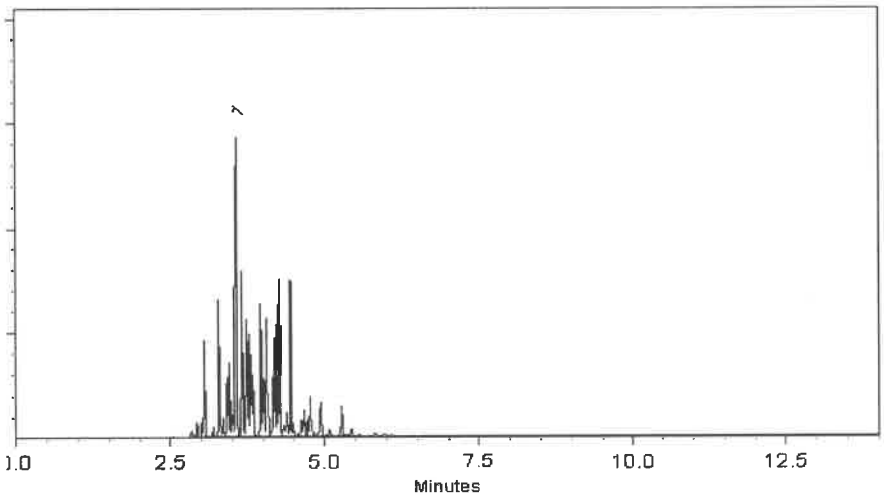
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

**Date Mixed:** 26-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 06-Nov-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

P12933
↓
P12937
AJ
12/07/23

**Catalog No. :** 32010 **Lot No.:** A0202803

**Description :** Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 25°C nominal

**Handling:** This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Aroclor 1248 | 12672-29-6 | 13897600 | ----% | 1,001.7 µg/mL | +/- 55.5850 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Hexane
**CAS #** 110-54-3
**Purity** 99%

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
helium-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

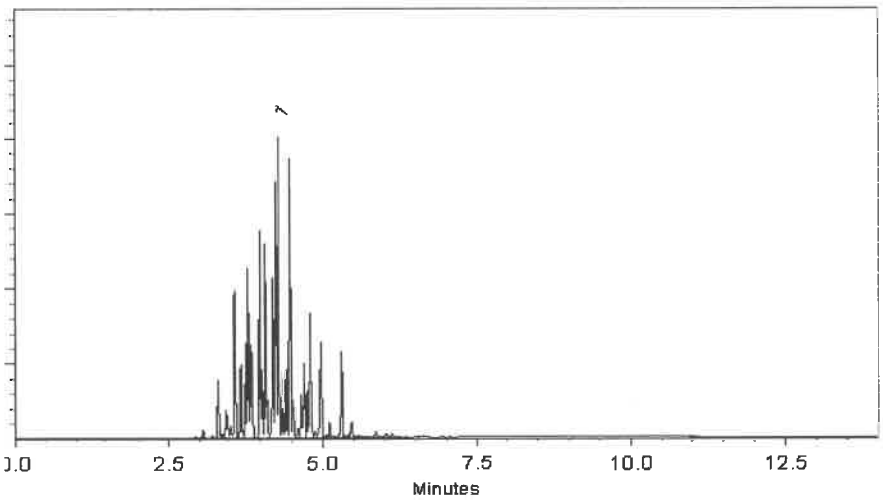
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
0.2µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 03-Oct-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 09-Oct-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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AR-1539 Certificate Number
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## 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

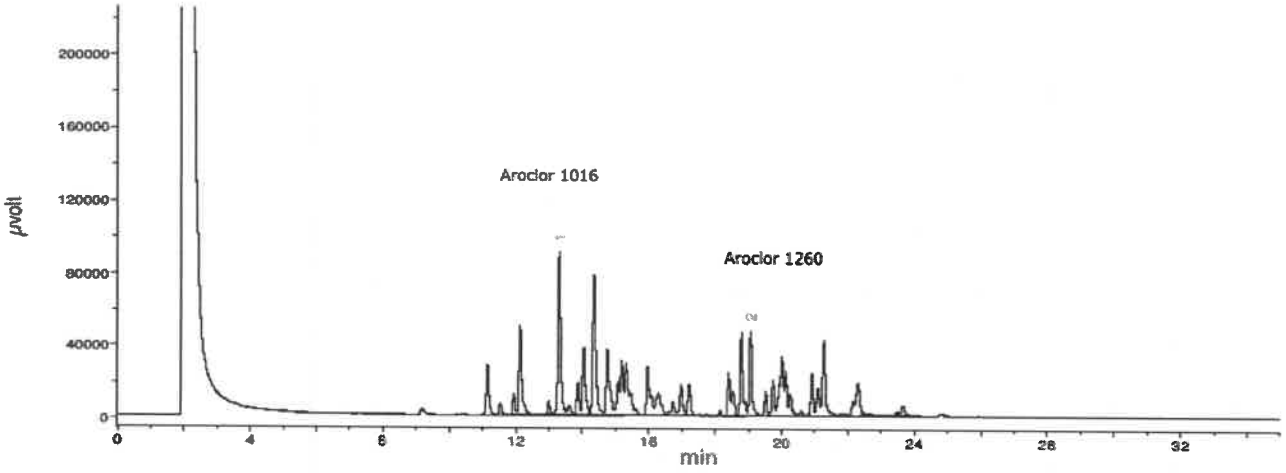
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

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



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***Certified Reference Material CRM***

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AR-1539 Certificate Number
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## 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

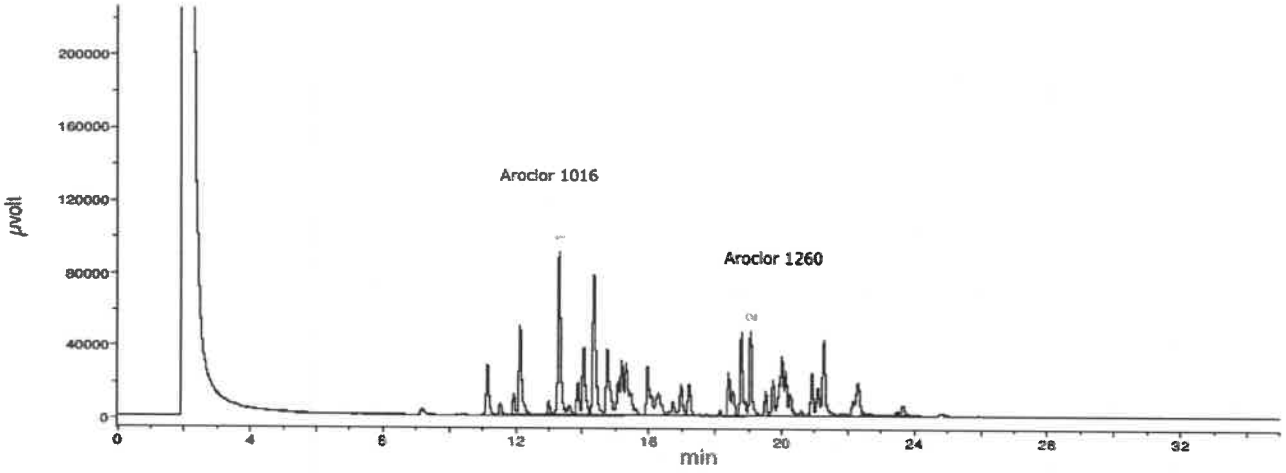
| | | |
|---|---|---|
| Formulated By: | Benson Chan | 022023 DATE |
| Reviewed By: | Pedro L. Rentas | 022023 DATE |

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.**
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www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

| | | | | |
|---|---|---|---|---|
| **Part Number:** | 99139 | **Solvent(s):** | **Lot#** | |
| **Lot Number:** | 121823 | Iso-octane | 82227 | |
| **Description:** | Aroclor 1254 | | | |
| **Expiration Date:** | 121833 | | | |
| **Recommended Storage:** | Ambient (20 °C) | | | |
| **Nominal Concentration (µg/mL):** | 100 | | | |
| **NIST Test ID#:** | 6UTB | 5E-05 | Balance Uncertainty | |
| Volume(s) shown below were combined and diluted to (mL): | | 20.0 | 0.003 | Flask Uncertainty |

| | | |
|---|---|---|
| | | 121823 |
| Formulated By: | Anthony Mahoney | DATE |
| | | 121823 |
| Reviewed By: | Pedro L. Rentas | DATE |

P12956 & P12957 Y.P. 12/20/23

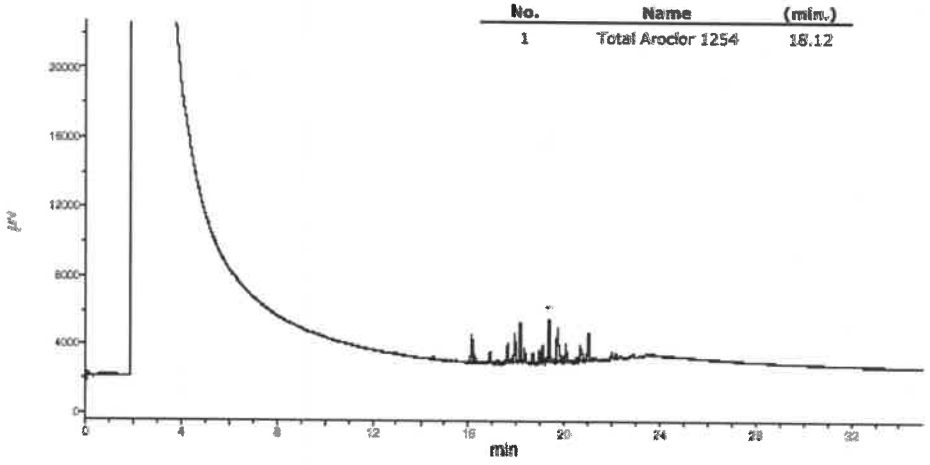
**Note: Aroclor 1254 is a mix of isomers.**

| Compound | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Uncertainty Pipette (mL) | Initial Conc.(µg/mL) | Final Conc.(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1254 | 79100 | 121823 | 0.10 | 2.00 | 0.017 | 1003.3 | 100.1 | 1.8 | 11097-69-1 | 0.5mg/m3 (skin) | orl-rat 1295mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**
GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3

| Peak No. | Name | FID RT (min.) |
|---|---|---|
| 1 | Total Aroclor 1254 | 18.12 |



**Absolute Standards, Inc.**
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www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 90165
**Lot Number:** 112322
**Description:** Aroclor 1262

**Solvent(s):** Hexane **Lot#** 273615

**Expiration Date:** 112332
**Recommended Storage:** Ambient (20 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test ID#:** 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0 ± 0.005 Flask Uncertainty

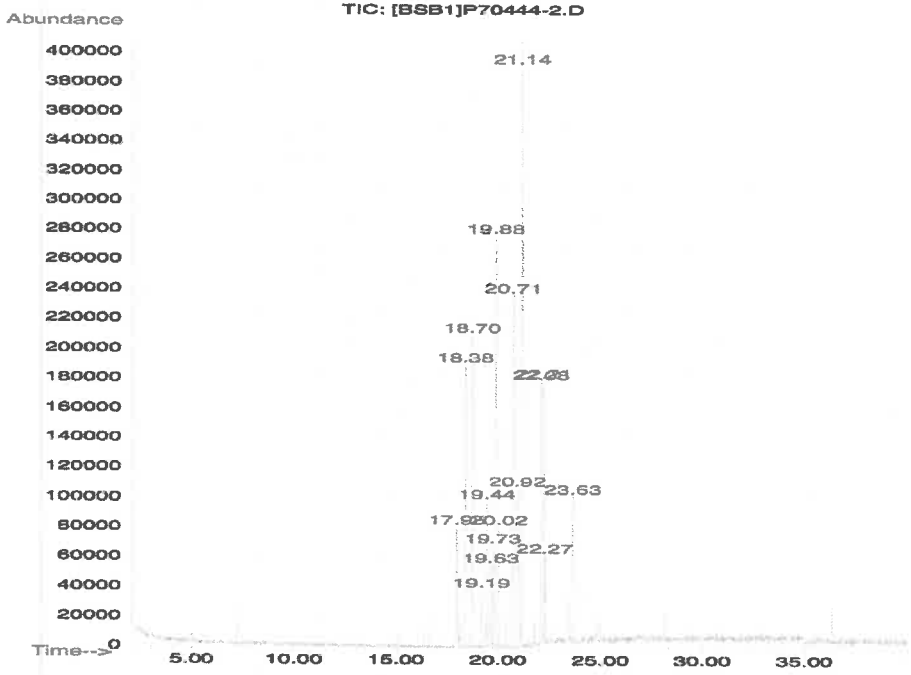
5E-05 Balance Uncertainty

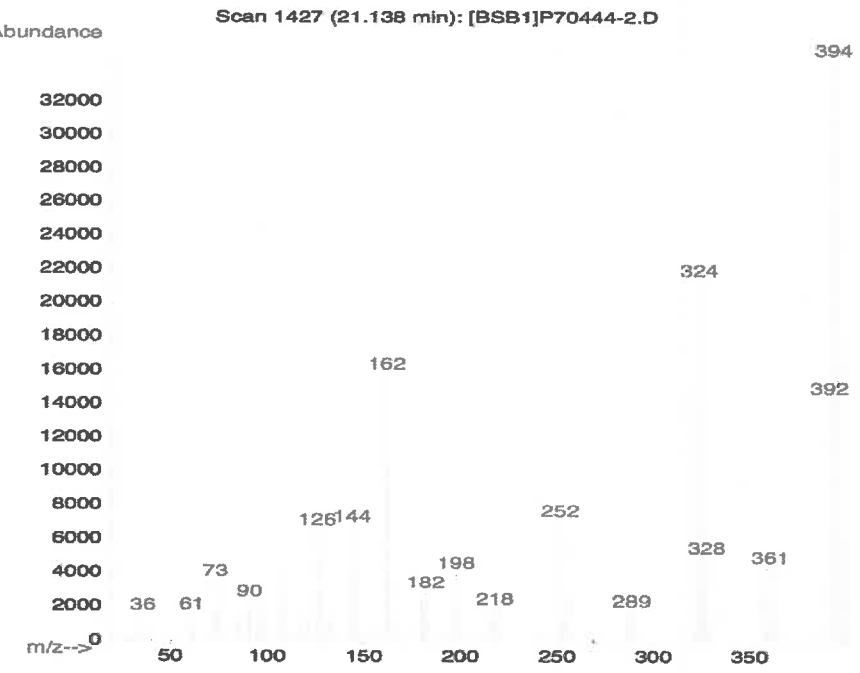
| | |
|---|---|
| Formulated By: Prashant Chauhan | 112322 DATE |
| Reviewed By: Pedro L. Rentas | 112322 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Aroclor 1262 | 444 | W-130-05 | 1000 | 100 | 0.2 | 0.05003 | 0.05016 | 1002.7 | 4.5 | 37324-23-5 | N/A | orl-rat 11300mg/kg |

**Method GC7MSD-7.M:** Column:(30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (0min.), Temp 2 = 290°C (12.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C.

P13032 2 P13033 Y.P. 12/21/23



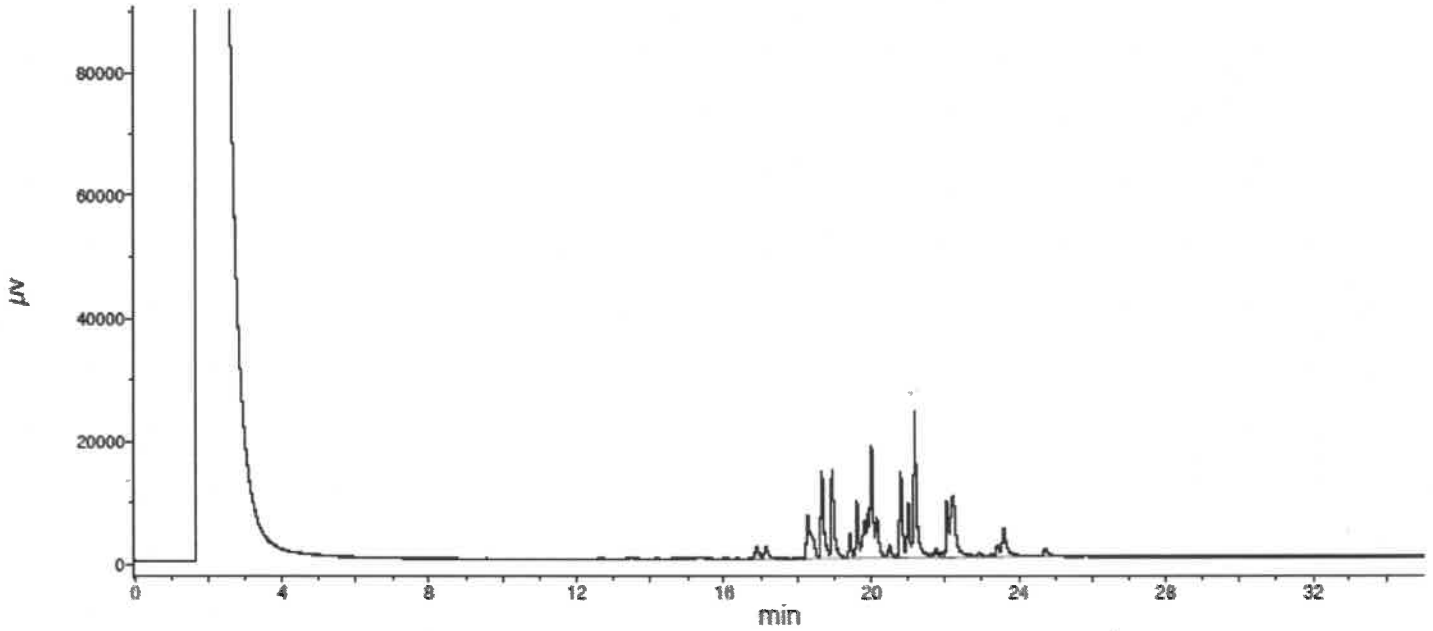

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

# Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.
Created: Thu, Dec 8, 2022 at 2:31:02 AM.
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".
Analyzed using Method "GC3-M1".

## Comments

GC3-M1 Analysis by Melissa Stonier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1
Standard injection =1.5µL, Range=3



RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# 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.)

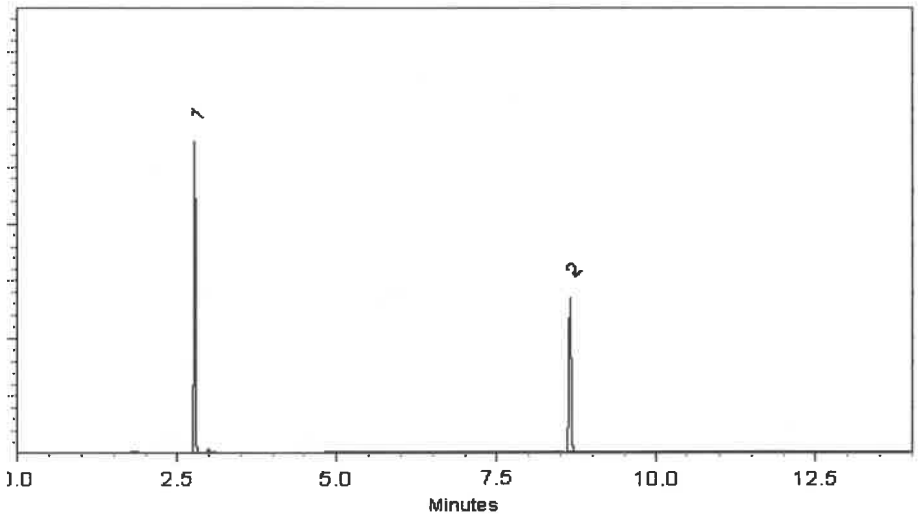
**Inj. Temp:**
250°C

**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)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***chromatographic plus***

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.**

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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:**

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These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**
hellum-constant pressure 20 psi.

**Temp. Program:**
200°C to 300°C
@ 25°C/min. ( hold 10 min.)

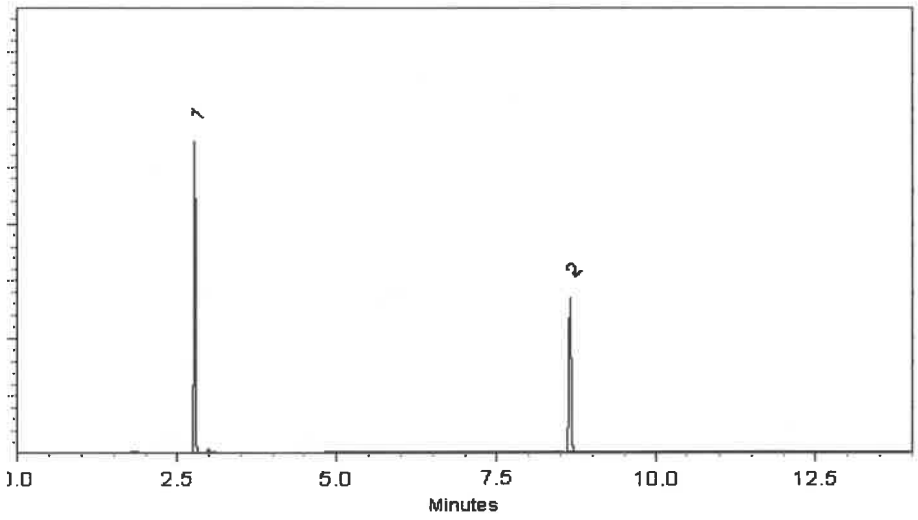
**Inj. Temp:**
250°C

**Det. Temp:**
300°C

**Det. Type:**
ECD

**Split Vent:**
10 ml/min.

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 24-Jan-2024

**Manufactured under Restek's ISO 9001:2015**
**Registered Quality System**
**Certificate #FM 80397**

P13348 (10)

↓

P13357

04/25/2025

Agilent

Trusted Answers

**ISO 17034**

# Reference Material Certificate

## Product Information Sheet

| | | | |
|---|---|---|---|
| **Product Name:** | Aroclor 1221 Standard | **Lot Number:** | 0006783205 |
| **Product Number:** | PP-292-1 | **Lot Issue Date:** | 20-Feb-2024 |
| **Storage Conditions:** | Store at Room Temperature (15° to 30°C). | **Expiration Date:** | 31-Mar-2032 |

| Component Name | Concentration | | Uncertainty | CAS# | Analyte Lot |
|---|---|---|---|---|---|
| Aroclor 1221 | 100.3 | ± | 0.5 µg/mL | 011104-28-2 | NT01017 |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Description:**
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

**Intended Use:**
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P133f2
↓
P133f3

AJ
05106124







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**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois

QMS Representative

ANAB ANSI National Accreditation Board ACCREDITED REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321



www.agilent.com/quality/

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

# SHIPPING DOCUMENTS

P4620



**USEPA**

DateShipped: 10/29/2024

CarrierName: Hand Deliver

AirbillNo: N/a

**CHAIN OF CUSTODY RECORD**

Site #: 872/872A

Contact Name Sean Quinn

Contact Phone 732-425-1175

**No: 2-1029-0300-0041-01**

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

| Lab # | Sample # | Location | Analyses | Matrix | Sample Date | Sample Time | Numb Cont | Container | Preservative | Lab QC |
|---|---|---|---|---|---|---|---|---|---|---|
| | P001-CF06-01 | CF06 | SPLP PCBs | Soil | 10/29/2024 | 10:05 | 2 | 8 oz glass | 4 C | N |
| | P001-CF06-01 | CF06 | EPH | Soil | 10/29/2024 | 10:05 | 1 | 4 oz glass | 4 C | N |
| | P001-CF06-01 | CF06 | SPLP EPH | Soil | 10/29/2024 | 10:05 | 2 | 8 oz glass | 4 C | N |
| | P001-CF07-01 | CF07 | SPLP PCBs | Soil | 10/29/2024 | 10:10 | 2 | 8 oz glass | 4 C | N |
| | P001-CF07-01 | CF07 | EPH | Soil | 10/29/2024 | 10:10 | 1 | 4 oz glass | 4 C | N |
| | P001-CF07-01 | CF07 | SPLP EPH | Soil | 10/29/2024 | 10:10 | 2 | 8 oz glass | 4 C | N |
| | P001-CF08-01 | CF08 | SPLP PCBs | Soil | 10/29/2024 | 10:15 | 2 | 8 oz glass | 4 C | N |
| | P001-CF08-01 | CF08 | EPH | Soil | 10/29/2024 | 10:15 | 1 | 4 oz glass | 4 C | N |
| | P001-CF08-01 | CF08 | SPLP EPH | Soil | 10/29/2024 | 10:15 | 2 | 8 oz glass | 4 C | N |
| | P001-CF09-01 | CF09 | SPLP PCBs | Soil | 10/29/2024 | 10:20 | 2 | 8 oz glass | 4 C | N |
| | P001-CF09-01 | CF09 | EPH | Soil | 10/29/2024 | 10:20 | 1 | 4 oz glass | 4 C | N |
| | P001-CF09-01 | CF09 | SPLP EPH | Soil | 10/29/2024 | 10:20 | 2 | 8 oz glass | 4 C | N |
| | P001-CF10-01 | CF10 | SPLP PCBs | Soil | 10/29/2024 | 10:30 | 2 | 8 oz glass | 4 C | N |
| | P001-CF10-01 | CF10 | EPH | Soil | 10/29/2024 | 10:30 | 1 | 4 oz glass | 4 C | N |
| | P001-CF10-01 | CF10 | SPLP EPH | Soil | 10/29/2024 | 10:30 | 2 | 8 oz glass | 4 C | N |
| | P001-CF11-01 | CF11 | SPLP PCBs | Soil | 10/29/2024 | 10:40 | 2 | 8 oz glass | 4 C | N |
| | P001-CF11-01 | CF11 | EPH | Soil | 10/29/2024 | 10:40 | 1 | 4 oz glass | 4 C | N |
| | P001-CF11-01 | CF11 | SPLP EPH | Soil | 10/29/2024 | 10:40 | 2 | 8 oz glass | 4 C | N |

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Sean.Quinn@WestonSolutions.com. TAT 7 days.

**SAMPLES TRANSFERRED FROM**

**CHAIN OF CUSTODY #**

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| ALL ANALYSES | WESTON SOLUTIONS | 10/29/24 1440 | | 1500 10-29-24 | IR Gun # 1 Temp 3.1 C Custody Seal intact Temp blank present |
| | | | | | |
| | | | | | |
| | | | | | |

p4620



**USEPA**

DateShipped: 10/29/2024

CarrierName: Hand Deliver

AirbillNo: N/a

**CHAIN OF CUSTODY RECORD**

Site #: 872/872A

Contact Name Sean Quinn

Contact Phone 732-425-1175

**No: 2-1029-0300-0041-01**

RFP# NA

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

| Lab # | Sample # | Location | Analyses | Matrix | Sample Date | Sample Time | Numb Cont | Container | Preservative | Lab QC |
|---|---|---|---|---|---|---|---|---|---|---|
| | P001-CF12-01 | CF12 | SPLP PCBs | Soil | 10/29/2024 | 10:45 | 2 | 8 oz glass | 4 C | N |
| | P001-CF12-01 | CF12 | EPH | Soil | 10/29/2024 | 10:45 | 1 | 4 oz glass | 4 C | N |
| | P001-CF12-01 | CF12 | SPLP EPH | Soil | 10/29/2024 | 10:45 | 2 | 8 oz glass | 4 C | N |
| | P001-CF13-01 | CF13 | SPLP PCBs | Soil | 10/29/2024 | 10:50 | 2 | 8 oz glass | 4 C | N |
| | P001-CF13-01 | CF13 | EPH | Soil | 10/29/2024 | 10:50 | 1 | 4 oz glass | 4 C | N |
| | P001-CF13-01 | CF13 | SPLP EPH | Soil | 10/29/2024 | 10:50 | 2 | 8 oz glass | 4 C | N |
| | P001-CF14-01 | CF14 | SPLP PCBs | Soil | 10/29/2024 | 10:55 | 2 | 8 oz glass | 4 C | N |
| | P001-CF14-01 | CF14 | EPH | Soil | 10/29/2024 | 10:55 | 1 | 4 oz glass | 4 C | N |
| | P001-CF14-01 | CF14 | SPLP EPH | Soil | 10/29/2024 | 10:55 | 2 | 8 oz glass | 4 C | N |
| | P001-CF15-01 | CF15 | SPLP PCBs | Soil | 10/29/2024 | 11:00 | 2 | 8 oz glass | 4 C | N |
| | P001-CF15-01 | CF15 | EPH | Soil | 10/29/2024 | 11:00 | 1 | 4 oz glass | 4 C | N |
| | P001-CF15-01 | CF15 | SPLP EPH | Soil | 10/29/2024 | 11:00 | 2 | 8 oz glass | 4 C | N |
| | P001-CF16-01 | CF16 | SPLP PCBs | Soil | 10/29/2024 | 11:05 | 4 | 8 oz glass | 4 C | Y |
| | P001-CF16-01 | CF16 | EPH | Soil | 10/29/2024 | 11:05 | 2 | 4 oz glass | 4 C | Y |
| | P001-CF16-01 | CF16 | SPLP EPH | Soil | 10/29/2024 | 11:05 | 4 | 8 oz glass | 4 C | Y |
| | P001-CF16-02 | CF16 | SPLP PCBs | Soil | 10/29/2024 | 11:10 | 2 | 8 oz glass | 4 C | N |
| | P001-CF16-02 | CF16 | EPH | Soil | 10/29/2024 | 11:10 | 1 | 4 oz glass | 4 C | N |
| | P001-CF16-02 | CF16 | SPLP EPH | Soil | 10/29/2024 | 11:10 | 2 | 8 oz glass | 4 C | N |

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Sean.Quinn@WestonSolutions.com. TAT 7 days.

**SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #**

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time | Received by (Signature and Organization) | Date/Time | Sample Condition Upon Receipt |
|---|---|---|---|---|---|
| ALL ANALYSIS | WESTON SOLUTIONS | 10/29/24 1440 | | 10-29-24 1500 | IR Gun # 1<br>Temp 3.1 C<br>Custody Seal intact<br>Temp blank present |
| | | | | | |
| | | | | | |
| | | | | | |

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |