

## **DATA PACKAGE**

### **GC SEMI-VOLATILES**

**PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR**

**RU2 ENGINEERING, LLC**  
**2 Melinda Drive**

**Monroe Township, NJ - 08831**  
**Phone No: 732-261-2236**

**ORDER ID : Q1207**  
**ATTENTION : Rutu Manani**



**Laboratory Certification ID # 20012**



|                                             |     |
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## Cover Page

**Order ID :** Q1207

**Project ID :** NYCDDC SANTWOBR Brooklyn Bridge BBMCR

**Client :** RU2 Engineering, LLC

### Lab Sample Number

Q1207-01  
Q1207-02  
Q1207-03  
Q1207-04  
Q1207-05  
Q1207-06  
Q1207-07  
Q1207-08  
Q1207-09  
Q1207-10  
Q1207-11  
Q1207-12  
Q1207-13  
Q1207-14  
Q1207-15  
Q1207-16  
Q1207-17  
Q1207-18  
Q1207-19  
Q1207-20

### Client Sample Number

JPP-2.1-012725  
JPP-2.1-012725  
JPP-2.1-012725  
JPP-2.1-012725  
JPP-5.1-012725  
JPP-5.1-012725  
JPP-5.1-012725  
JPP-5.1-012725  
JPP-4.5-012725  
JPP-4.5-012725  
JPP-4.5-012725  
JPP-4.5-012725  
JPP-16.2-012725  
JPP-16.2-012725  
JPP-16.2-012725  
JPP-16.2-012725  
JPP-20.2-012725  
JPP-20.2-012725  
JPP-20.2-012725  
JPP-20.2-012725

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

Signature :

**APPROVED**

By *Nimisha Pandya, QA/QC Supervisor* at 10:20 am, Feb 11, 2025 Date: 2/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**RU2 Engineering, LLC**

**Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR**

**Project # N/A**

**Chemtech Project # Q1207**

**Test Name: PCB**

### **A. Number of Samples and Date of Receipt:**

20 Solid samples were received on 01/28/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for PCB.

### **C. Analytical Techniques:**

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

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109254.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.



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**E. Additional Comments:**

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

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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

Signature\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 10:21 am, Feb 11, 2025*

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | 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.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(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 flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | 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.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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**GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: Q1207

MATRIX: Solid

METHOD: 8082A/3541

|    |                                                                                                                                                                                            | NA | NO | YES |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 1. | Chromatograms Labeled/Compounds Identified.                                                                                                                                                |    |    | ✓   |
| 2. | Standard Summary Submitted.                                                                                                                                                                |    |    | ✓   |
| 3. | Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. |    |    | ✓   |
|    | The Initial Calibration met the requirements .                                                                                                                                             |    |    |     |
|    | The Continuous Calibration File ID PO109254.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.  |    |    |     |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                             |    | ✓  |     |
| 5. | Surrogate Recoveries Meet Criteria                                                                                                                                                         |    |    | ✓   |
|    | If not met, list those compounds and their recoveries which fall outside the acceptable ranges.                                                                                            |    |    |     |
| 6. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria                                                                                                                               |    |    | ✓   |
|    | If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                                             |    |    |     |
|    | The MS recoveries met the requirements for all compounds .                                                                                                                                 |    |    |     |
|    | The MSD recoveries met the acceptable requirements .                                                                                                                                       |    |    |     |
|    | The Blank Spike met requirements for all samples .                                                                                                                                         |    |    |     |
|    | The RPD met criteria .                                                                                                                                                                     |    |    |     |
| 7. | Retention Time Shift Meet Criteria (if applicable)                                                                                                                                         |    |    | ✓   |
|    | Comments:                                                                                                                                                                                  |    |    |     |
| 8. | Extraction Holding Time Met                                                                                                                                                                |    |    | ✓   |
|    | If not met, list number of days exceeded for each sample:                                                                                                                                  |    |    |     |



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

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

**ADDITIONAL COMMENTS:**

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

**REVIEWED**

*By Sohil Jodhani, QA/QC Director at 9:16 am, Feb 11, 2025*

QA REVIEW

APPENDIX A

**QA REVIEW GENERAL DOCUMENTATION**

Project #: Q1207

Completed

For thorough review, the report must have the following:

**GENERAL:**

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

**COVER PAGE:**

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

**CHAIN OF CUSTODY:**

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

**ANALYTICAL:**

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 02/03/2025

## LAB CHRONICLE

|                 |                      |                   |                                       |
|-----------------|----------------------|-------------------|---------------------------------------|
| <b>OrderID:</b> | Q1207                | <b>OrderDate:</b> | 1/28/2025 11:40:00 AM                 |
| <b>Client:</b>  | RU2 Engineering, LLC | <b>Project:</b>   | NYCDDC SANTWOBR Brooklyn Bridge BBMCR |
| <b>Contact:</b> | Rutu Manani          | <b>Location:</b>  | E11,VOA Ref. #2 Soil                  |

| LabID           | ClientID               | Matrix      | Test                                             | Method         | Sample Date     | Prep Date | Anal Date            | Received        |
|-----------------|------------------------|-------------|--------------------------------------------------|----------------|-----------------|-----------|----------------------|-----------------|
| <b>Q1207-01</b> | <b>JPP-2.1-012725</b>  | <b>SOIL</b> | Diesel Range Organics<br>Gasoline Range Organics | 8015D<br>8015D | <b>01/27/25</b> | 01/29/25  | 01/30/25<br>01/29/25 | <b>01/28/25</b> |
| <b>Q1207-03</b> | <b>JPP-2.1-012725</b>  | <b>SOIL</b> | PCB                                              | 8082A          | <b>01/27/25</b> | 01/29/25  | 01/29/25             | <b>01/28/25</b> |
| <b>Q1207-04</b> | <b>JPP-2.1-012725</b>  | <b>TCLP</b> | TCLP Herbicide                                   | 8151A          | <b>01/27/25</b> | 01/29/25  | 01/30/25             | <b>01/28/25</b> |
| <b>Q1207-05</b> | <b>JPP-5.1-012725</b>  | <b>SOIL</b> | Diesel Range Organics<br>Gasoline Range Organics | 8015D<br>8015D | <b>01/27/25</b> | 01/29/25  | 01/30/25<br>01/29/25 | <b>01/28/25</b> |
| <b>Q1207-07</b> | <b>JPP-5.1-012725</b>  | <b>SOIL</b> | PCB                                              | 8082A          | <b>01/27/25</b> | 01/29/25  | 01/29/25             | <b>01/28/25</b> |
| <b>Q1207-08</b> | <b>JPP-5.1-012725</b>  | <b>TCLP</b> | TCLP Herbicide                                   | 8151A          | <b>01/27/25</b> | 01/29/25  | 01/30/25             | <b>01/28/25</b> |
| <b>Q1207-09</b> | <b>JPP-4.5-012725</b>  | <b>SOIL</b> | Gasoline Range Organics                          | 8015D          | <b>01/27/25</b> |           | 01/29/25             | <b>01/28/25</b> |
| <b>Q1207-11</b> | <b>JPP-4.5-012725</b>  | <b>SOIL</b> | PCB                                              | 88082A         | <b>01/27/25</b> | 01/29/25  | 01/29/25             | <b>01/28/25</b> |
| <b>Q1207-12</b> | <b>JPP-4.5-012725</b>  | <b>TCLP</b> | TCLP Herbicide                                   | 8151A          | <b>01/27/25</b> | 01/29/25  | 01/30/25             | <b>01/28/25</b> |
| <b>Q1207-13</b> | <b>JPP-16.2-012725</b> | <b>SOIL</b> | Diesel Range Organics<br>Gasoline Range Organics | 8015D<br>8015D | <b>01/27/25</b> | 01/29/25  | 01/30/25<br>01/29/25 | <b>01/28/25</b> |

## LAB CHRONICLE

|                 |                        |             |                         |       |                 |          |                 |
|-----------------|------------------------|-------------|-------------------------|-------|-----------------|----------|-----------------|
| <b>Q1207-15</b> | <b>JPP-16.2-012725</b> | <b>SOIL</b> |                         |       | <b>01/27/25</b> |          | <b>01/28/25</b> |
|                 |                        |             | PCB                     | 8082A | 01/29/25        | 01/29/25 |                 |
| <b>Q1207-16</b> | <b>JPP-16.2-012725</b> | <b>TCLP</b> |                         |       | <b>01/27/25</b> |          | <b>01/28/25</b> |
|                 |                        |             | TCLP Herbicide          | 8151A | 01/29/25        | 01/30/25 |                 |
| <b>Q1207-17</b> | <b>JPP-20.2-012725</b> | <b>SOIL</b> |                         |       | <b>01/27/25</b> |          | <b>01/28/25</b> |
|                 |                        |             | Diesel Range Organics   | 8015D | 01/29/25        | 01/30/25 |                 |
|                 |                        |             | Gasoline Range Organics | 8015D |                 | 01/29/25 |                 |
| <b>Q1207-19</b> | <b>JPP-20.2-012725</b> | <b>SOIL</b> |                         |       | <b>01/27/25</b> |          | <b>01/28/25</b> |
|                 |                        |             | PCB                     | 8082A | 01/29/25        | 01/29/25 |                 |
| <b>Q1207-20</b> | <b>JPP-20.2-012725</b> | <b>TCLP</b> |                         |       | <b>01/27/25</b> |          | <b>01/28/25</b> |
|                 |                        |             | TCLP Herbicide          | 8151A | 01/29/25        | 01/30/25 |                 |



**Hit Summary Sheet**  
SW-846

**SDG No.:** Q1207

**Order ID:** Q1207

**Client:** RU2 Engineering, LLC

**Project ID:** NYCDDC SANTWOBR Brooklyn Bri

| Sample ID                          | Client ID       | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|------------------------------------|-----------------|--------|-----------------------------|---------------|---|------|------|-------|
| <b>Client ID : JPP-2.1-012725</b>  |                 |        |                             |               |   |      |      |       |
| Q1207-03                           | JPP-2.1-012725  | SOIL   | Aroclor-1260                | 9.20          | J | 3.30 | 19.4 | ug/kg |
|                                    |                 |        | <b>Total Concentration:</b> | <b>9.200</b>  |   |      |      |       |
| <b>Client ID : JPP-5.1-012725</b>  |                 |        |                             |               |   |      |      |       |
| Q1207-07                           | JPP-5.1-012725  | SOIL   | Aroclor-1260                | 14.3          | J | 3.20 | 18.7 | ug/kg |
|                                    |                 |        | <b>Total Concentration:</b> | <b>14.300</b> |   |      |      |       |
| <b>Client ID : JPP-16.2-012725</b> |                 |        |                             |               |   |      |      |       |
| Q1207-15                           | JPP-16.2-012725 | SOIL   | Aroclor-1260                | 13.6          | J | 3.30 | 19.1 | ug/kg |
|                                    |                 |        | <b>Total Concentration:</b> | <b>13.600</b> |   |      |      |       |
| <b>Client ID : JPP-20.2-012725</b> |                 |        |                             |               |   |      |      |       |
| Q1207-19                           | JPP-20.2-012725 | SOIL   | Aroclor-1260                | 17.0          | J | 3.30 | 19.3 | ug/kg |
|                                    |                 |        | <b>Total Concentration:</b> | <b>17.000</b> |   |      |      |       |



# QC SUMMARY

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### Surrogate Summary

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8082A

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PO108981.D | PIBLK-PO108981.D | Tetrachloro-m-xylene | 1      | 20    | 21.9   | 109 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.6   | 108 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.6   | 103 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.9   | 109 |      | 60     | 140  |
| I.BLK-PO109228.D | PIBLK-PO109228.D | Tetrachloro-m-xylene | 1      | 20    | 25.2   | 126 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.4   | 127 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 24.3   | 121 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 24.0   | 120 |      | 60     | 140  |
| PB166333BL       | PB166333BL       | Tetrachloro-m-xylene | 1      | 20    | 25.2   | 126 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.1   | 125 |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 24.1   | 120 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 24.9   | 124 |      | 32     | 175  |
| PB166333BS       | PB166333BS       | Tetrachloro-m-xylene | 1      | 20    | 23.9   | 120 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.7   | 129 |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 23.1   | 116 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 24.0   | 120 |      | 32     | 175  |
| I.BLK-PO109243.D | PIBLK-PO109243.D | Tetrachloro-m-xylene | 1      | 20    | 24.6   | 123 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.3   | 126 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 23.7   | 118 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.6   | 118 |      | 60     | 140  |
| Q1205-01MS       | VNJ-236MS        | Tetrachloro-m-xylene | 1      | 20    | 19.5   | 98  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 16.1   | 80  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.9   | 94  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 15.7   | 79  |      | 32     | 175  |
| Q1205-01MSD      | VNJ-236MSD       | Tetrachloro-m-xylene | 1      | 20    | 18.8   | 94  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 15.4   | 77  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.5   | 92  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 15.5   | 77  |      | 32     | 175  |
| Q1207-03         | JPP-2.1-012725   | Tetrachloro-m-xylene | 1      | 20    | 22.1   | 110 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 13.2   | 66  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.8   | 99  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 13.9   | 69  |      | 32     | 175  |
| Q1207-07         | JPP-5.1-012725   | Tetrachloro-m-xylene | 1      | 20    | 18.9   | 95  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 14.1   | 70  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.6   | 103 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.8   | 74  |      | 32     | 175  |
| Q1207-11         | JPP-4.5-012725   | Tetrachloro-m-xylene | 1      | 20    | 16.1   | 80  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 10.7   | 53  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 16.6   | 83  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 11.4   | 57  |      | 32     | 175  |
| Q1207-15         | JPP-16.2-012725  | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 32     | 144  |

### Surrogate Summary

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8082A

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| Q1207-15         | JPP-16.2-012725  | Decachlorobiphenyl   | 1      | 20    | 13.5   | 68  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 100 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 14.3   | 72  |      | 32     | 175  |
| Q1207-19         | JPP-20.2-012725  | Tetrachloro-m-xylene | 1      | 20    | 19.6   | 98  |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 11.1   | 56  |      | 32     | 175  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.0   | 100 |      | 32     | 144  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 12.0   | 60  |      | 32     | 175  |
| I.BLK-PO109258.D | PIBLK-PO109258.D | Tetrachloro-m-xylene | 1      | 20    | 23.4   | 117 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 18.9   | 94  |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 23.9   | 119 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.6   | 103 |      | 60     | 140  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8082A

DataFile : PO109245.D

| Lab Sample ID:    | Parameter | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|-------------------|-----------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| Client Sample ID: | VNJ-236MS |       |                  |        |       |     |             |     |             |     |                |     |
| Q1205-01MS        | AR1016    | 190.8 | 0                | 182    | ug/kg | 95  |             |     |             | 55  | 146            |     |
|                   | AR1260    | 190.8 | 32.6             | 177    | ug/kg | 76  |             |     |             | 45  | 144            |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8082A

DataFile : PO109246.D

| Lab Sample ID:    | Parameter  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|-------------------|------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| Client Sample ID: | VNJ-236MSD |       |                  |        |       |     |             |     |             |     |                |     |
| Q1205-01MSD       | AR1016     | 190.6 | 0                | 178    | ug/kg | 93  |             | 2   |             | 55  | 146            | 20  |
|                   | AR1260     | 190.6 | 32.6             | 174    | ug/kg | 74  |             | 3   |             | 45  | 144            | 20  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8082A Datafile : PO109238.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB166333BS    | AR1016    | 166.5 | 169    | ug/kg | 102 |     |      |      | 71  | 120    |  |     |
|               | AR1260    | 166.5 | 159    | ug/kg | 95  |     |      |      | 65  | 130    |  |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166333BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207

SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: PB166333BL

Lab File ID: PO109237.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/29/2025

Date Analyzed (1): 01/29/2025

Date Analyzed (2): 01/29/2025

Time Analyzed (1): 15:45

Time Analyzed (2): 15:45

Instrument ID (1): ECD\_O

Instrument ID (2): ECD\_O

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB166333BS        | PB166333BS       | PO109238.D     | 01/29/2025         | 01/29/2025         |
| VNJ-236MS         | Q1205-01MS       | PO109245.D     | 01/29/2025         | 01/29/2025         |
| VNJ-236MSD        | Q1205-01MSD      | PO109246.D     | 01/29/2025         | 01/29/2025         |
| JPP-2.1-012725    | Q1207-03         | PO109249.D     | 01/29/2025         | 01/29/2025         |
| JPP-5.1-012725    | Q1207-07         | PO109250.D     | 01/29/2025         | 01/29/2025         |
| JPP-4.5-012725    | Q1207-11         | PO109251.D     | 01/29/2025         | 01/29/2025         |
| JPP-16.2-012725   | Q1207-15         | PO109252.D     | 01/29/2025         | 01/29/2025         |
| JPP-20.2-012725   | Q1207-19         | PO109253.D     | 01/29/2025         | 01/29/2025         |

COMMENTS: \_\_\_\_\_





# SAMPLE DATA

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |
| 18 |
| 19 |

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/27/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25      |
| Client Sample ID:  | JPP-2.1-012725                        | SDG No.:           | Q1207         |
| Lab Sample ID:     | Q1207-03                              | Matrix:            | SOIL          |
| Analytical Method: | SW8082A                               | % Solid:           | 87.6          |
| Sample Wt/Vol:     | 30.01      Units:    g                | Final Vol:         | 10000      uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB           |
| Extraction Type:   |                                       | Injection Volume : |               |
| GPC Factor :       | 1.0      PH :                         |                    |               |
| Prep Method :      | SW3541B                               |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109249.D        | 1         | 01/29/25 08:55 | 01/29/25 19:49 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 19.4  | U         | 7.30     | 19.4       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19.4  | U         | 9.00     | 19.4       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 19.4  | U         | 3.10     | 19.4       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 19.4  | U         | 5.20     | 19.4       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 9.20  | J         | 3.30     | 19.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 22.1  |           | 32 - 144 | 110%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 13.9  |           | 32 - 175 | 69%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109249.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 19:49  
 Operator : YP/AJ  
 Sample : Q1207-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-2.1-012725

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:04:06 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.696 | 3.695 | 166.6E6  | 106.3E6  | 22.051m | 19.825   |
| 2) SA Decachlor...          | 8.759 | 8.711 | 91149061 | 47662733 | 13.157  | 13.860   |
| Target Compounds            |       |       |          |          |         |          |
| 31) L7 AR-1260-1            | 6.289 | 6.264 | 8149065  | 4863196  | 21.380  | 19.295   |
| 32) L7 AR-1260-2            | 6.484 | 6.454 | 8310746  | 9720171  | 17.698  | 32.314m# |
| 33) L7 AR-1260-3            | 6.847 | 6.605 | 15452621 | 3616081  | 39.464  | 12.989m# |
| 34) L7 AR-1260-4            | 7.106 | 7.076 | 9355970  | 4474269  | 26.137  | 19.828   |
| 35) L7 AR-1260-5            | 7.349 | 7.317 | 13143411 | 8291598  | 15.748  | 16.561   |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109249.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 19:49  
Operator : YP/AJ  
Sample : Q1207-03  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-2.1-012725

## Manual Integrations

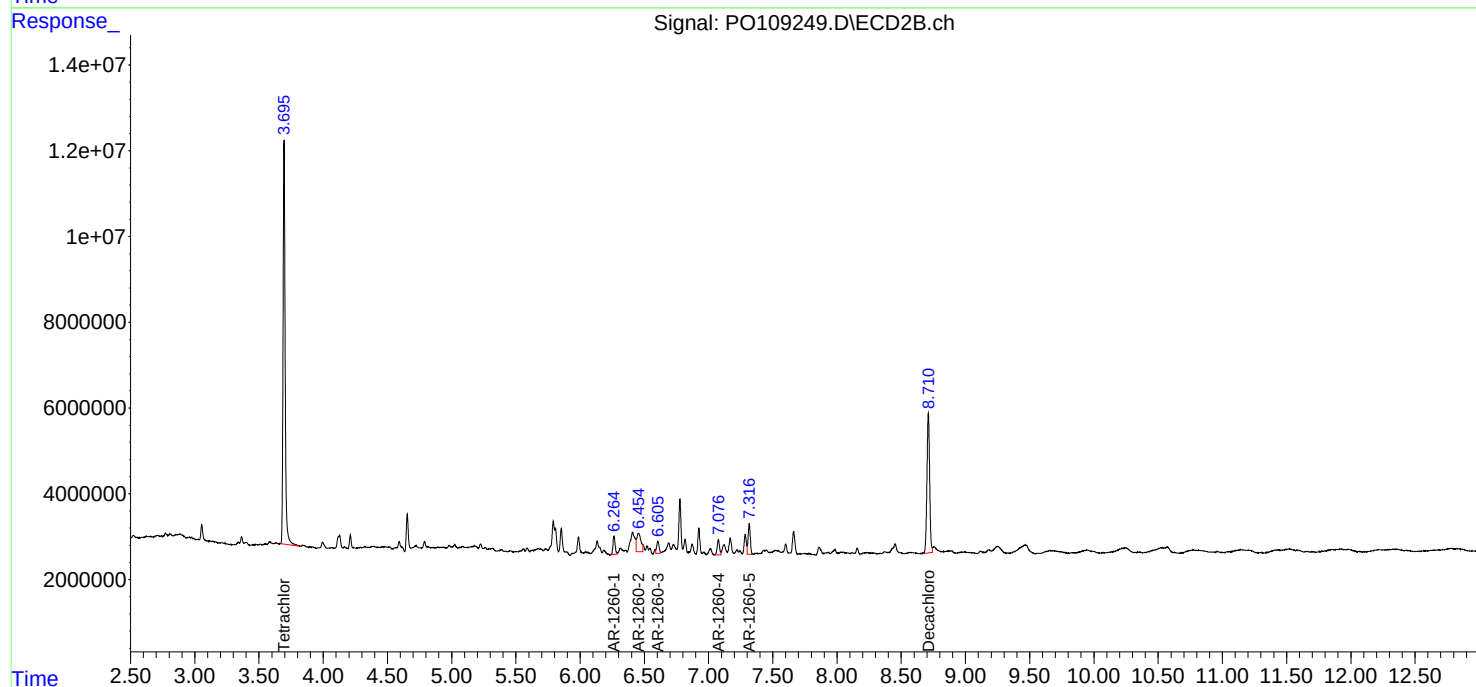
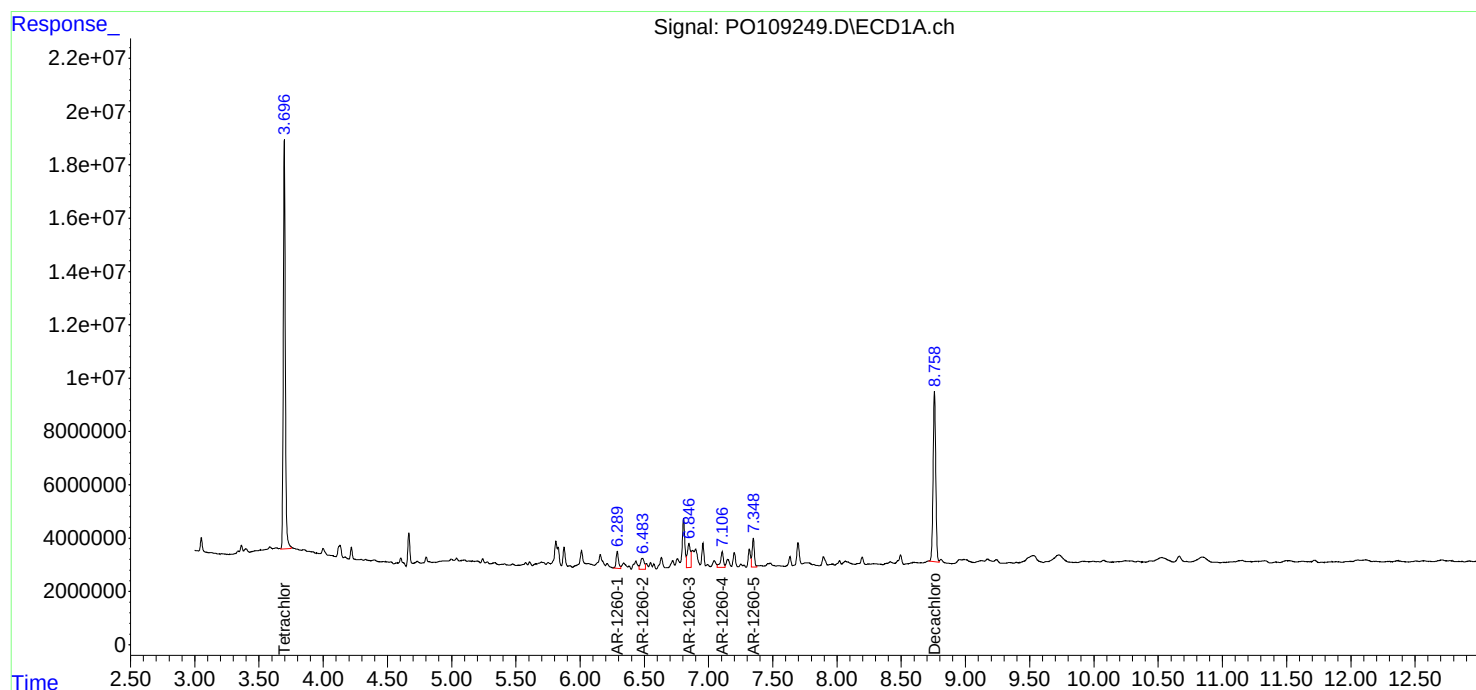
APPROVED

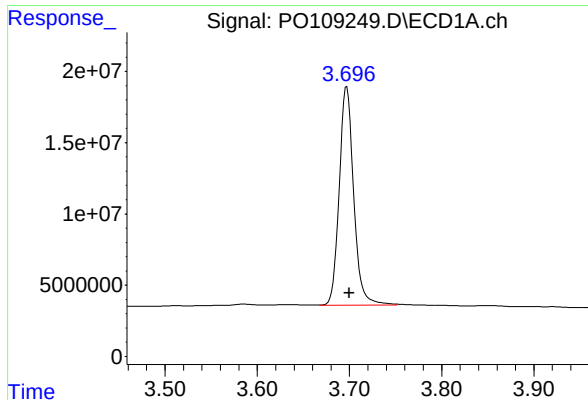
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:04:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.004 min  
Response: 166626985  
Conc: 22.05 ng/ml

Instrument :

ECD\_O

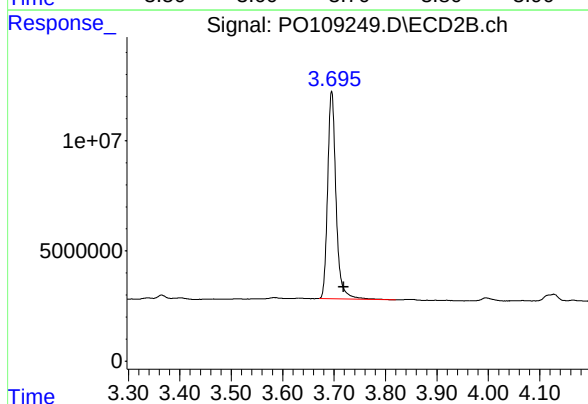
ClientSampleId :

JPP-2.1-012725

## Manual Integrations

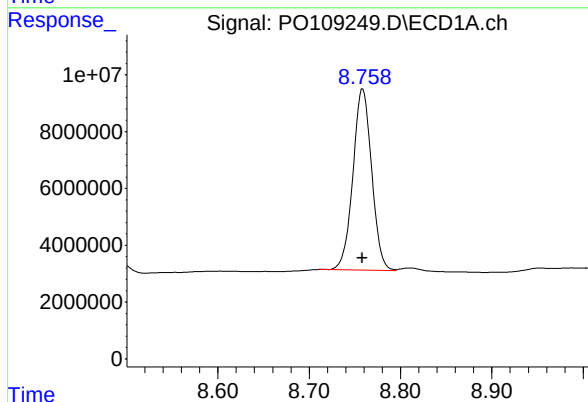
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



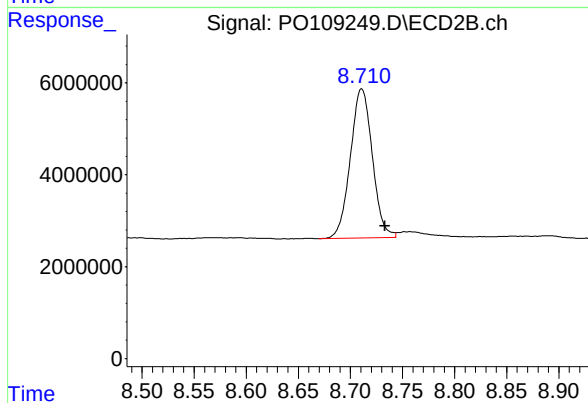
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
Delta R.T.: -0.023 min  
Response: 106268338  
Conc: 19.83 ng/ml



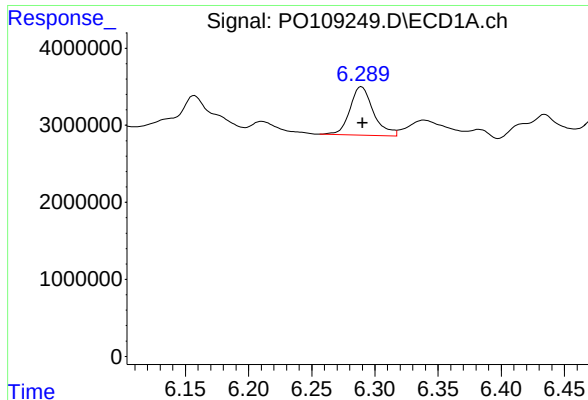
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 91149061  
Conc: 13.16 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 47662733  
Conc: 13.86 ng/ml



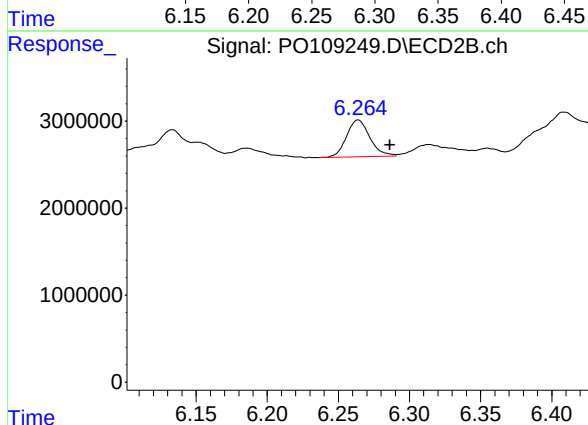
#31 AR-1260-1

R.T.: 6.289 min  
Delta R.T.: 0.000 min  
Response: 8149065  
Conc: 21.38 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-2.1-012725

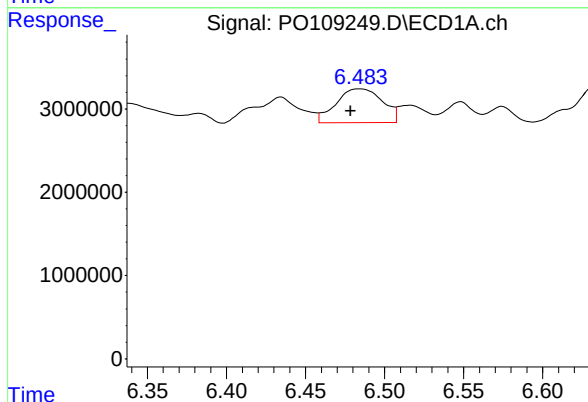
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



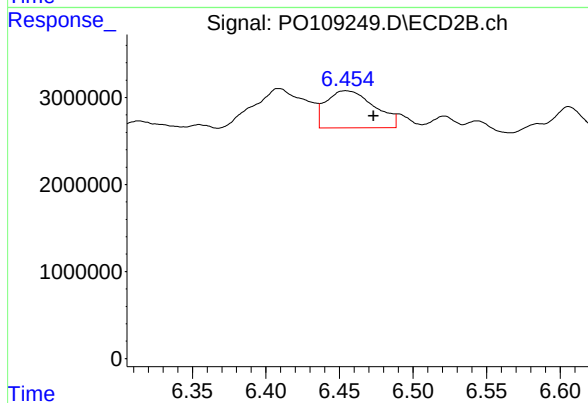
#31 AR-1260-1

R.T.: 6.264 min  
Delta R.T.: -0.022 min  
Response: 4863196  
Conc: 19.29 ng/ml



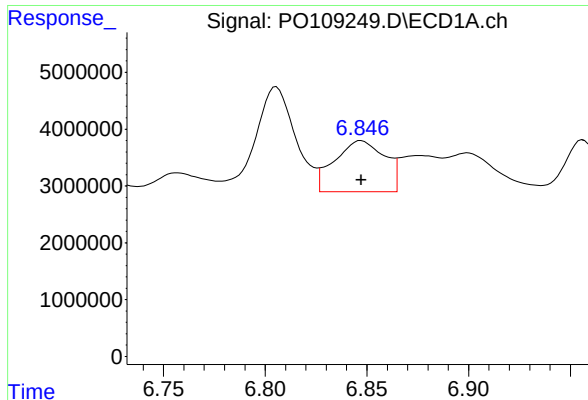
#32 AR-1260-2

R.T.: 6.484 min  
Delta R.T.: 0.005 min  
Response: 8310746  
Conc: 17.70 ng/ml



#32 AR-1260-2

R.T.: 6.454 min  
Delta R.T.: -0.019 min  
Response: 9720171  
Conc: 32.31 ng/ml m



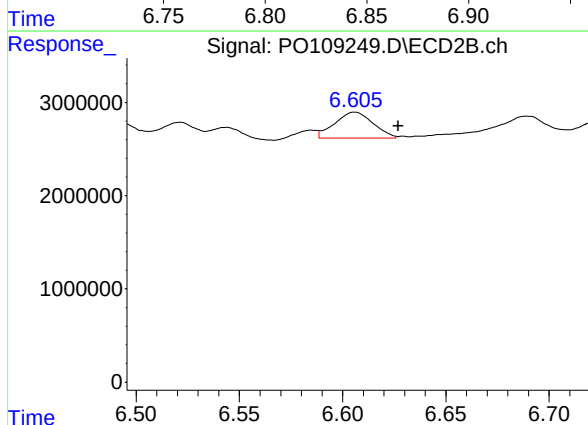
#33 AR-1260-3

R.T.: 6.847 min  
Delta R.T.: 0.000 min  
Response: 15452621  
Conc: 39.46 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-2.1-012725

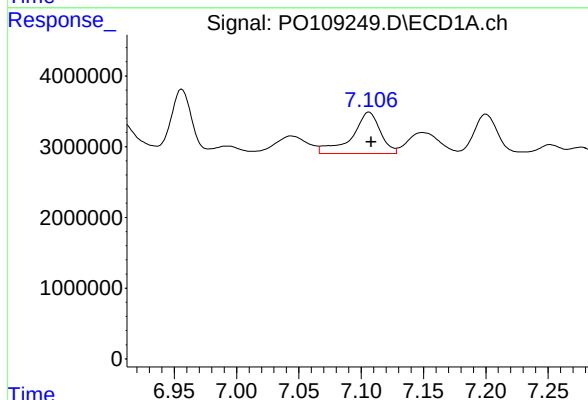
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



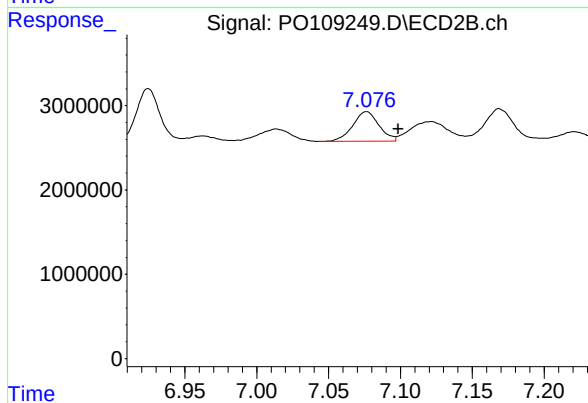
#33 AR-1260-3

R.T.: 6.605 min  
Delta R.T.: -0.022 min  
Response: 3616081  
Conc: 12.99 ng/ml



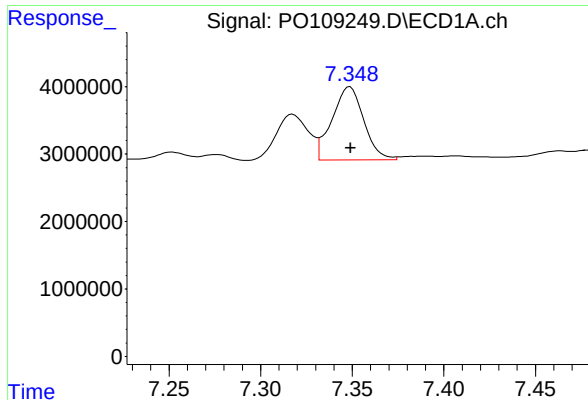
#34 AR-1260-4

R.T.: 7.106 min  
Delta R.T.: -0.002 min  
Response: 9355970  
Conc: 26.14 ng/ml



#34 AR-1260-4

R.T.: 7.076 min  
Delta R.T.: -0.022 min  
Response: 4474269  
Conc: 19.83 ng/ml



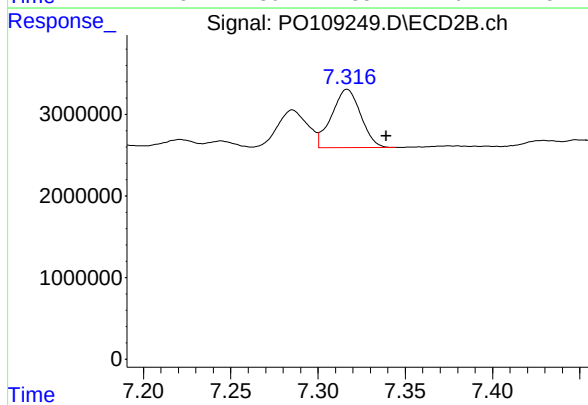
#35 AR-1260-5

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 13143411  
Conc: 15.75 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-2.1-012725

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 8291598  
Conc: 16.56 ng/ml



## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/27/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25      |
| Client Sample ID:  | JPP-5.1-012725                        | SDG No.:           | Q1207         |
| Lab Sample ID:     | Q1207-07                              | Matrix:            | SOIL          |
| Analytical Method: | SW8082A                               | % Solid:           | 90.9          |
| Sample Wt/Vol:     | 30.02      Units:    g                | Final Vol:         | 10000      uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB           |
| Extraction Type:   |                                       | Injection Volume : |               |
| GPC Factor :       | 1.0      PH :                         |                    |               |
| Prep Method :      | SW3541B                               |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109250.D        | 1         | 01/29/25 08:55 | 01/29/25 20:07 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 18.7  | U         | 3.70     | 18.7       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 18.7  | U         | 7.00     | 18.7       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 18.7  | U         | 3.70     | 18.7       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 18.7  | U         | 3.70     | 18.7       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 18.7  | U         | 8.70     | 18.7       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 18.7  | U         | 3.00     | 18.7       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 18.7  | U         | 5.00     | 18.7       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 18.7  | U         | 3.80     | 18.7       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 14.3  | J         | 3.20     | 18.7       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.6  |           | 32 - 144 | 103%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 14.8  |           | 32 - 175 | 74%        | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109250.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 20:07  
 Operator : YP/AJ  
 Sample : Q1207-07  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-5.1-012725

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:04:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 143.2E6  | 110.2E6  | 18.951m | 20.552  |
| 2) SA Decachlor...          | 8.761 | 8.712 | 97602979 | 50944064 | 14.089  | 14.815  |
| Target Compounds            |       |       |          |          |         |         |
| 31) L7 AR-1260-1            | 6.293 | 6.266 | 11926821 | 8872820  | 31.291  | 35.203m |
| 32) L7 AR-1260-2            | 6.480 | 6.452 | 20912848 | 14362223 | 44.535  | 47.746m |
| 33) L7 AR-1260-3            | 6.848 | 6.606 | 14276439 | 8108939  | 36.460  | 29.128m |
| 34) L7 AR-1260-4            | 7.108 | 7.078 | 13463762 | 9153698  | 37.613  | 40.566  |
| 35) L7 AR-1260-5            | 7.350 | 7.317 | 30425915 | 20957036 | 36.456m | 41.857m |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109250.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 20:07  
Operator : YP/AJ  
Sample : Q1207-07  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-5.1-012725

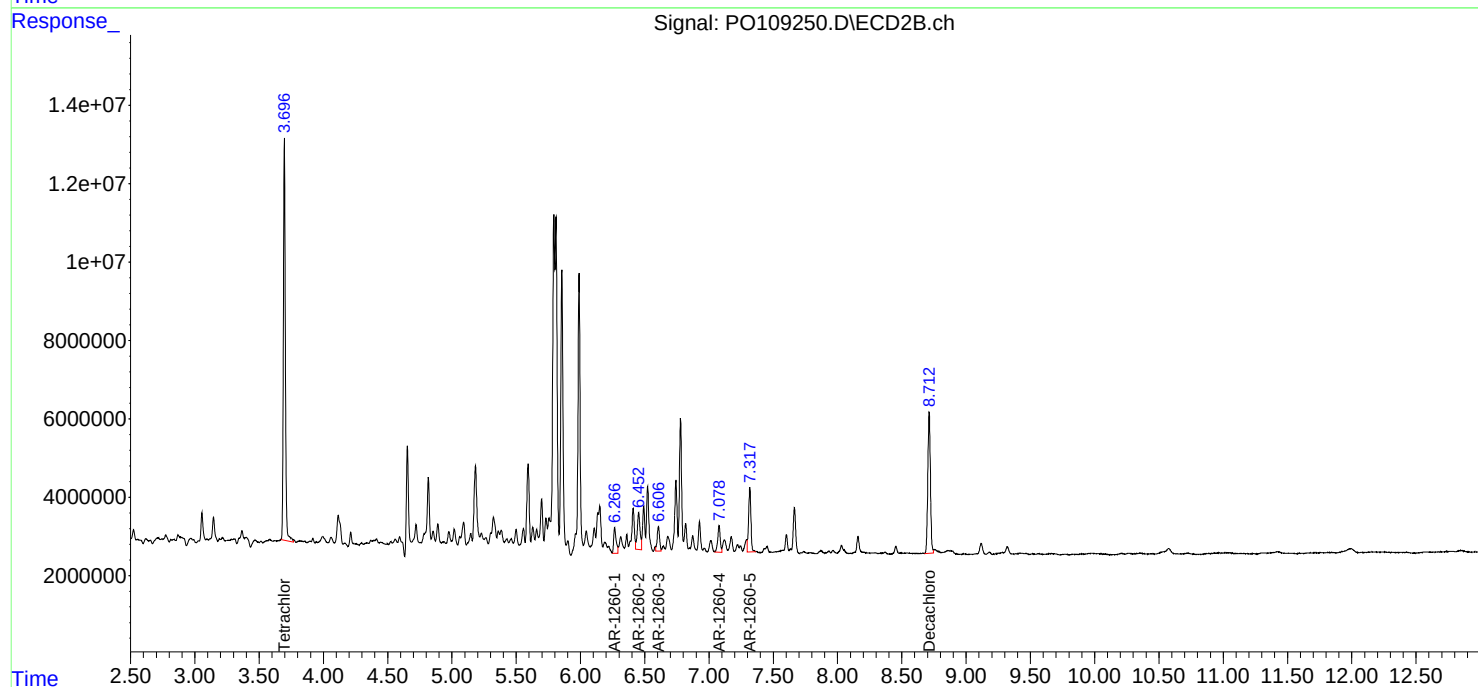
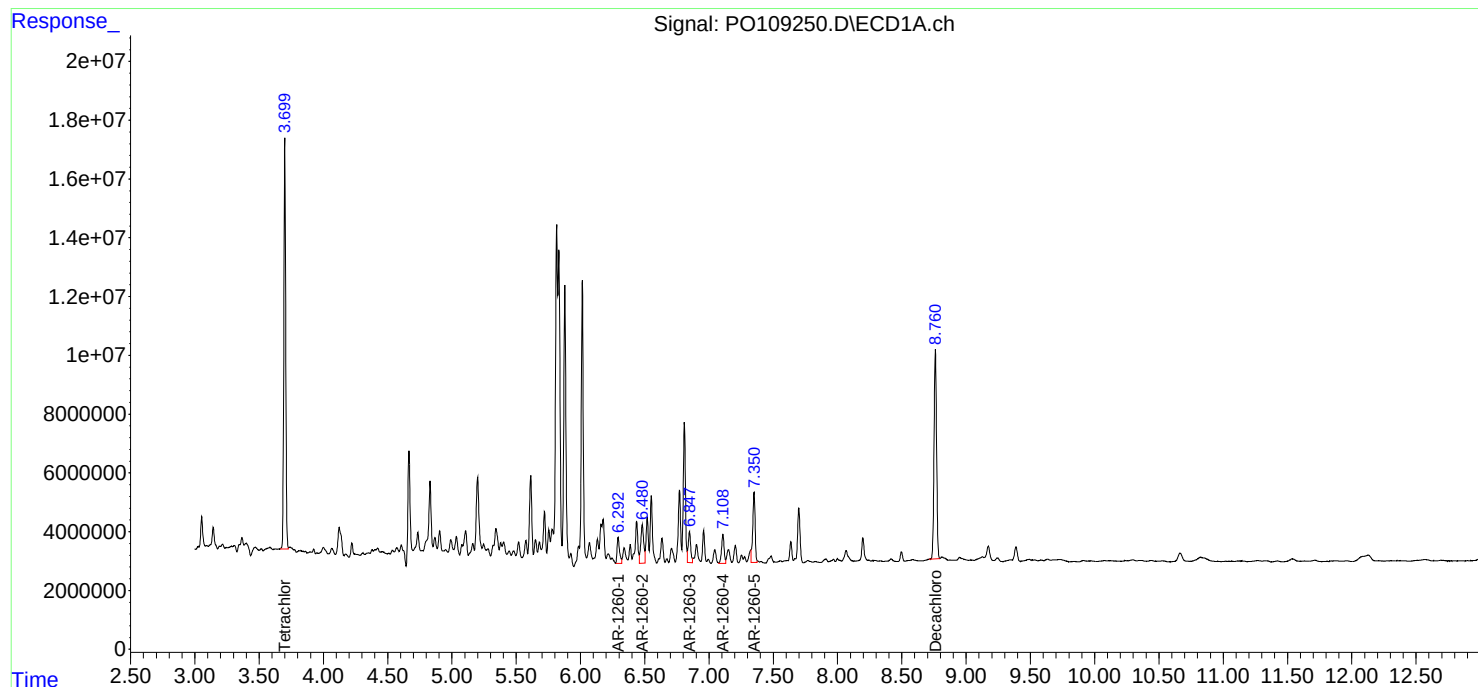
## Manual Integrations

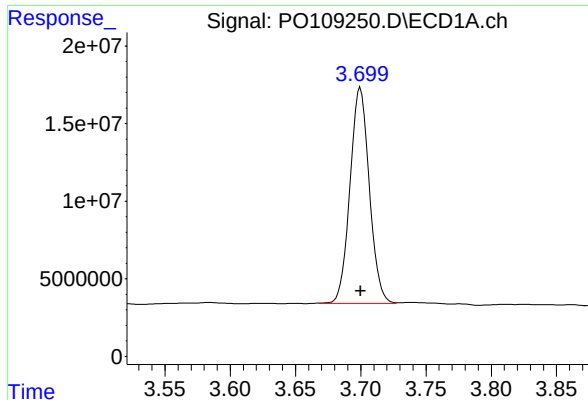
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:04:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 143203457  
Conc: 18.95 ng/ml

Instrument :

ECD\_O

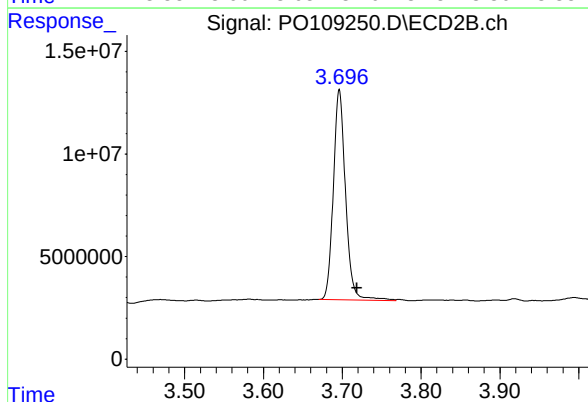
ClientSampleId :

JPP-5.1-012725

## Manual Integrations

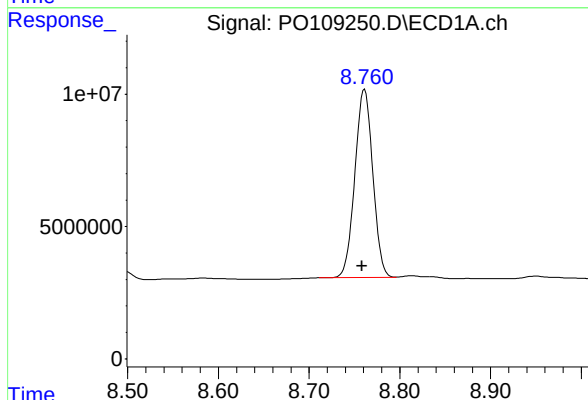
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



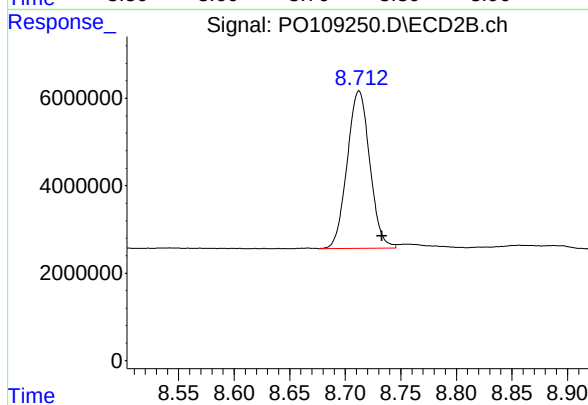
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 110165679  
Conc: 20.55 ng/ml



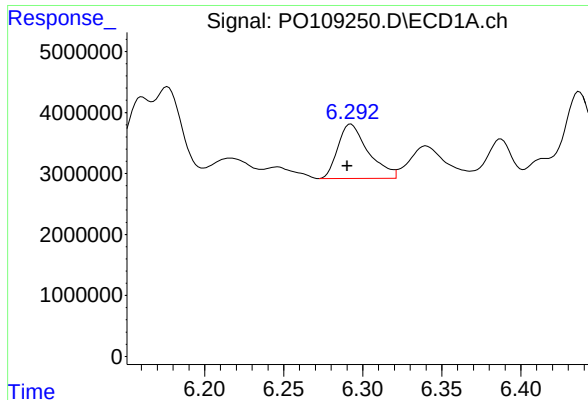
## #2 Decachlorobiphenyl

R.T.: 8.761 min  
Delta R.T.: 0.003 min  
Response: 97602979  
Conc: 14.09 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: -0.021 min  
Response: 50944064  
Conc: 14.81 ng/ml



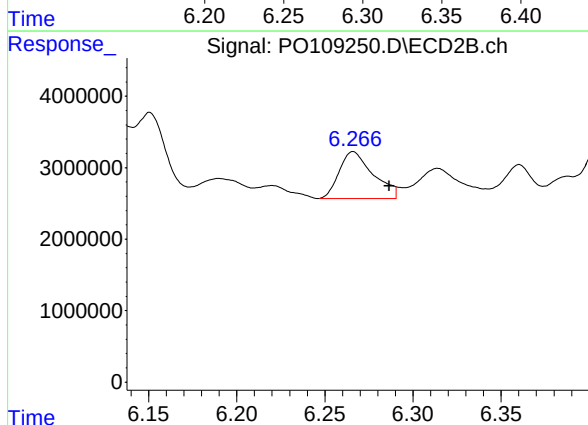
#31 AR-1260-1

R.T.: 6.293 min  
Delta R.T.: 0.002 min  
Response: 11926821  
Conc: 31.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-5.1-012725

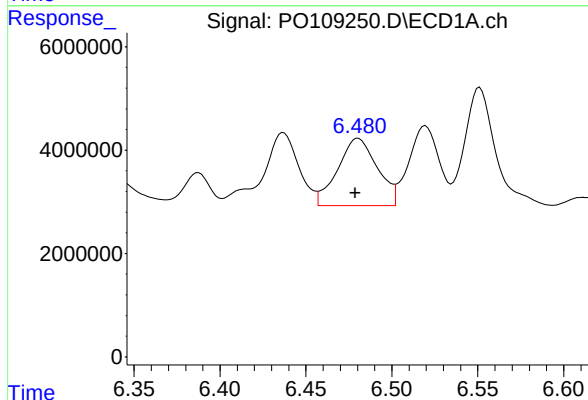
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



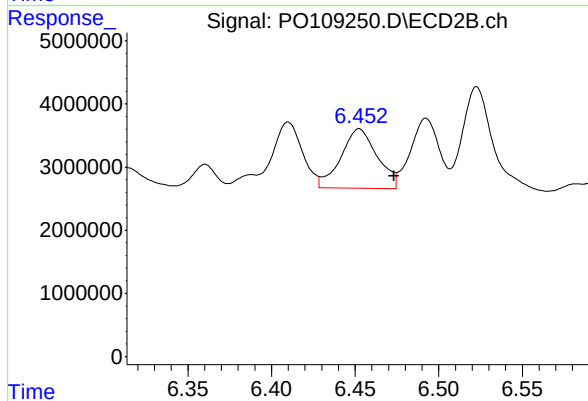
#31 AR-1260-1

R.T.: 6.266 min  
Delta R.T.: -0.021 min  
Response: 8872820  
Conc: 35.20 ng/ml



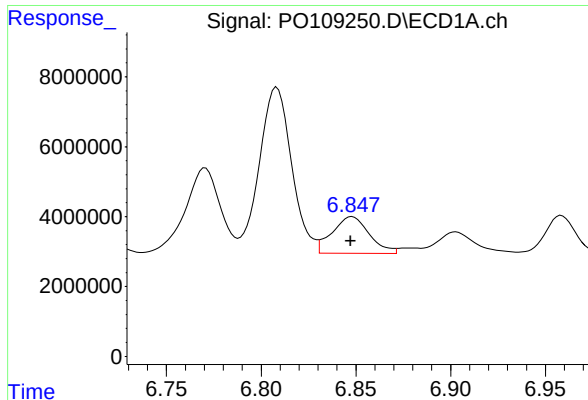
#32 AR-1260-2

R.T.: 6.480 min  
Delta R.T.: 0.002 min  
Response: 20912848  
Conc: 44.54 ng/ml



#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 14362223  
Conc: 47.75 ng/ml



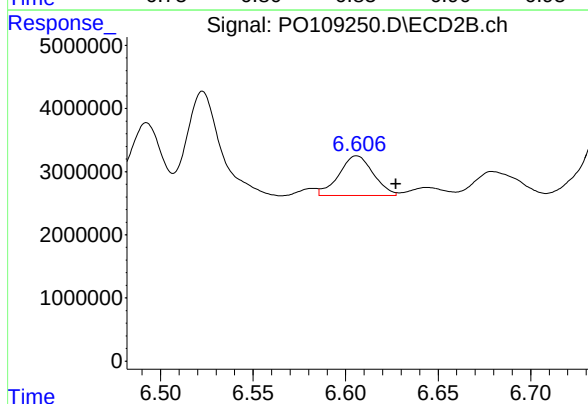
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 14276439  
Conc: 36.46 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-5.1-012725

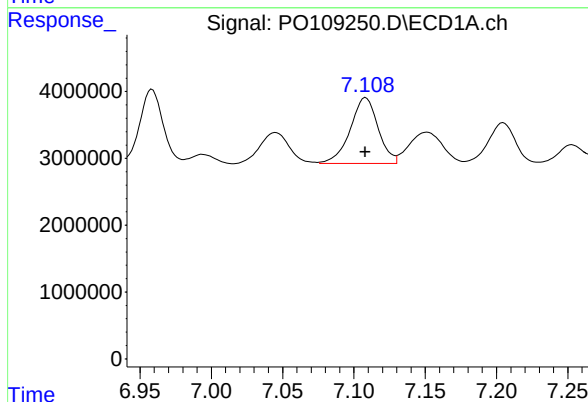
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



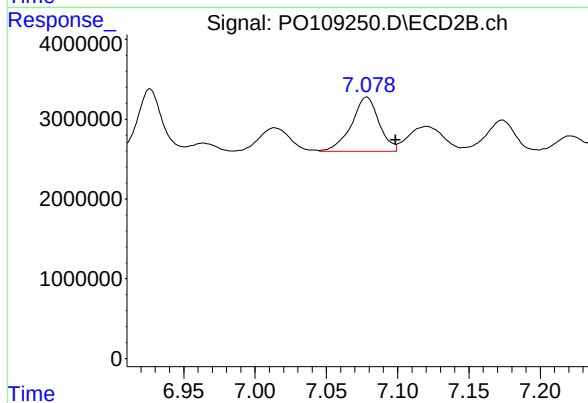
#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 8108939  
Conc: 29.13 ng/ml



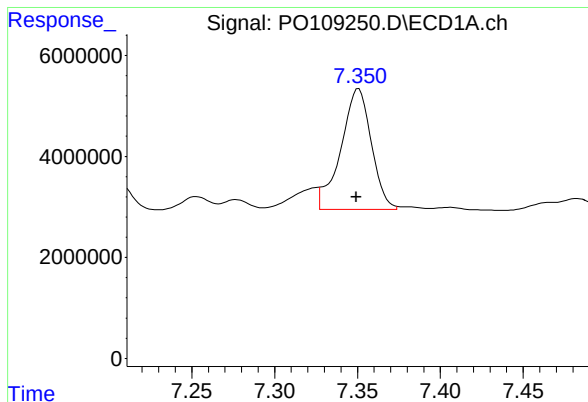
#34 AR-1260-4

R.T.: 7.108 min  
Delta R.T.: 0.000 min  
Response: 13463762  
Conc: 37.61 ng/ml



#34 AR-1260-4

R.T.: 7.078 min  
Delta R.T.: -0.020 min  
Response: 9153698  
Conc: 40.57 ng/ml



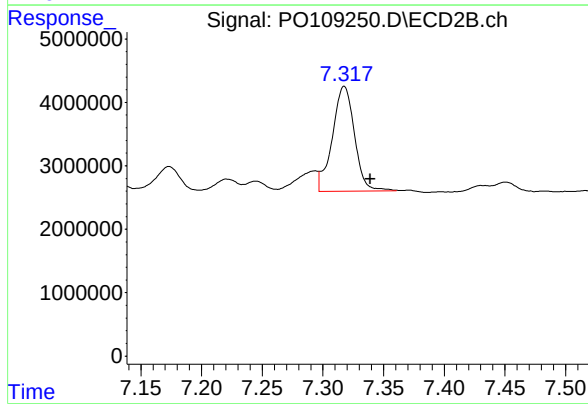
#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.000 min  
Response: 30425915  
Conc: 36.46 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-5.1-012725

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 20957036  
Conc: 41.86 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/27/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25 |
| Client Sample ID:  | JPP-4.5-012725                        | SDG No.:           | Q1207    |
| Lab Sample ID:     | Q1207-11                              | Matrix:            | SOIL     |
| Analytical Method: | SW8082A                               | % Solid:           | 81.6     |
| Sample Wt/Vol:     | 30.07 Units: g                        | Final Vol:         | 10000 uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB      |
| Extraction Type:   |                                       | Injection Volume : |          |
| GPC Factor :       | 1.0                                   | PH :               |          |
| Prep Method :      | SW3541B                               |                    |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109251.D        | 1         | 01/29/25 08:55 | 01/29/25 20:26 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 20.8  | U         | 4.10     | 20.8       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 20.8  | U         | 7.80     | 20.8       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 20.8  | U         | 4.20     | 20.8       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 20.8  | U         | 4.10     | 20.8       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 20.8  | U         | 9.60     | 20.8       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 20.8  | U         | 3.30     | 20.8       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 20.8  | U         | 5.60     | 20.8       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 20.8  | U         | 4.20     | 20.8       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 20.8  | U         | 3.60     | 20.8       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 16.6  |           | 32 - 144 | 83%        | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 11.4  |           | 32 - 175 | 57%        | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109251.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 20:26  
 Operator : YP/AJ  
 Sample : Q1207-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

**Instrument :**

ECD\_O

**ClientSampleId :**

JPP-4.5-012725

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:04:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml |
|----------|------|------|--------|--------|-------|-------|
|----------|------|------|--------|--------|-------|-------|

**System Monitoring Compounds**

|                    |       |       |          |          |         |        |
|--------------------|-------|-------|----------|----------|---------|--------|
| 1) SA Tetrachlo... | 3.698 | 3.696 | 121.3E6  | 89091989 | 16.057m | 16.621 |
| 2) SA Decachlor... | 8.762 | 8.713 | 74044035 | 39094678 | 10.688  | 11.369 |

**Target Compounds**

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109251.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 20:26  
Operator : YP/AJ  
Sample : Q1207-11  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-4.5-012725

## Manual Integrations

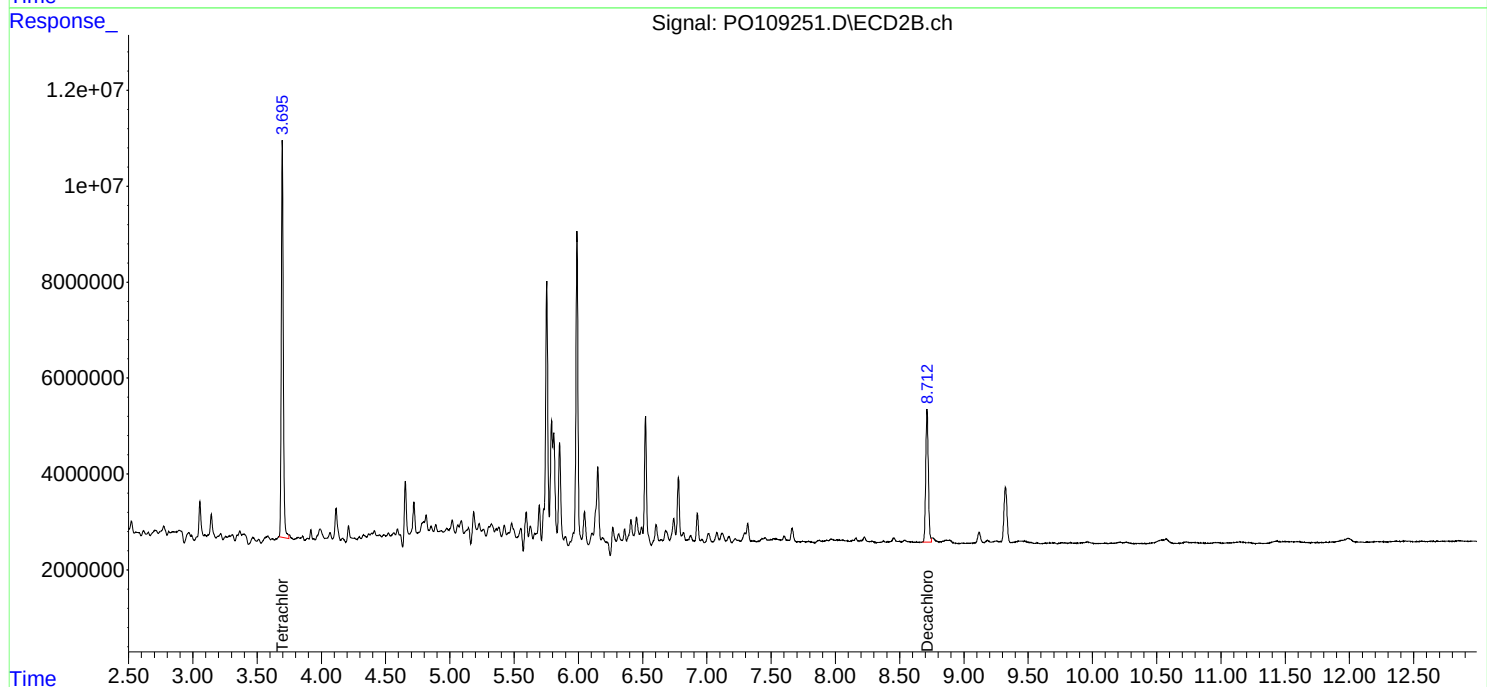
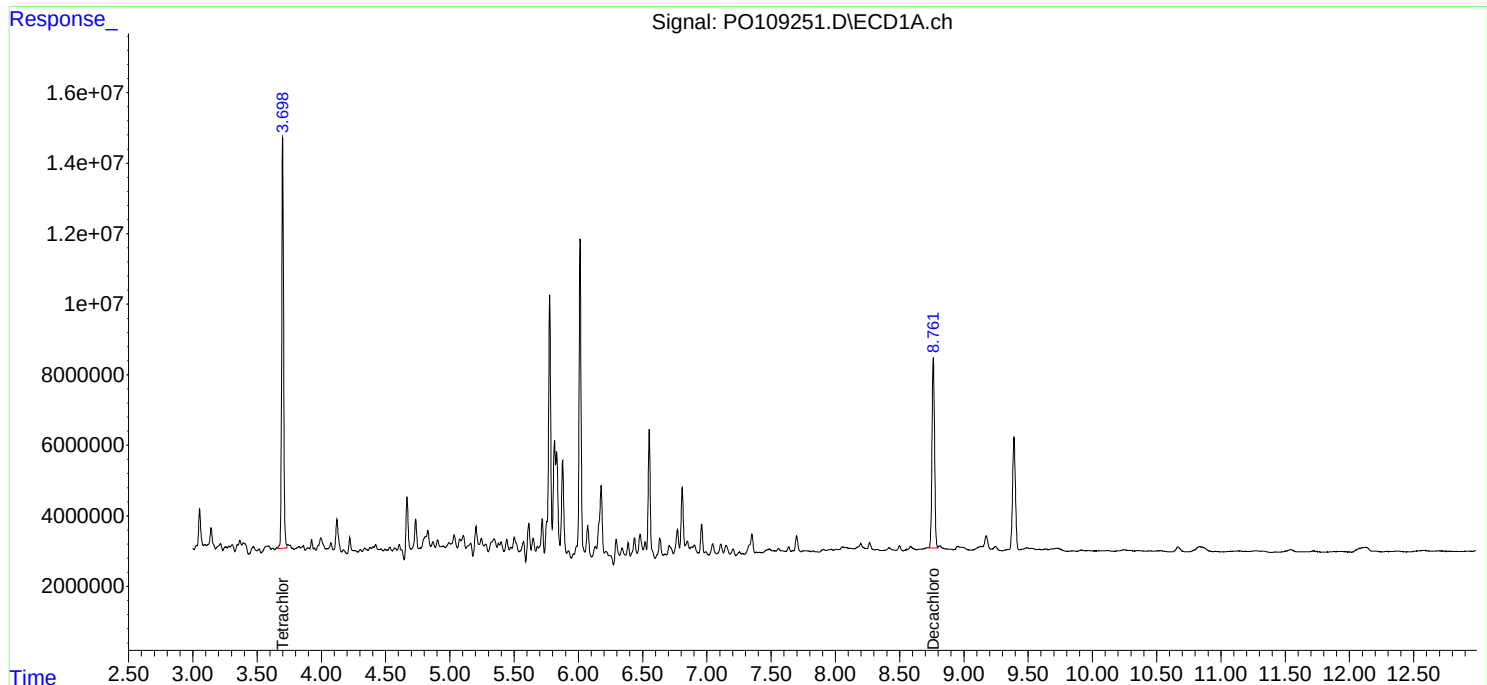
APPROVED

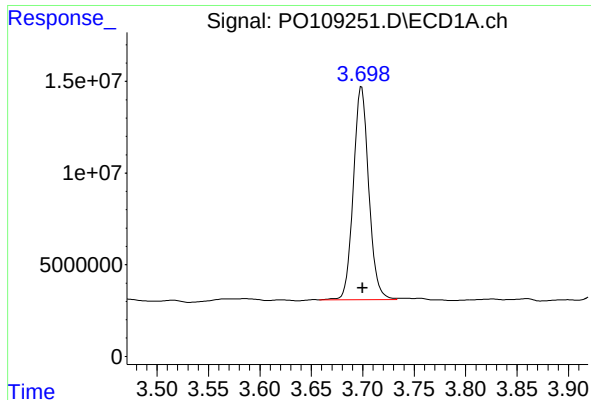
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:04:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.698 min  
Delta R.T.: -0.002 min  
Response: 121334582  
Conc: 16.06 ng/ml

Instrument :

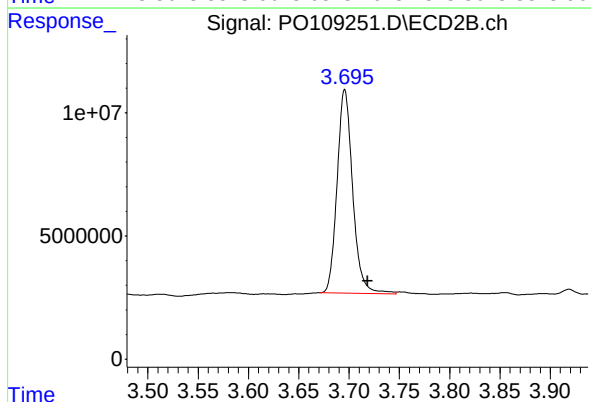
ECD\_O

ClientSampleId :

JPP-4.5-012725

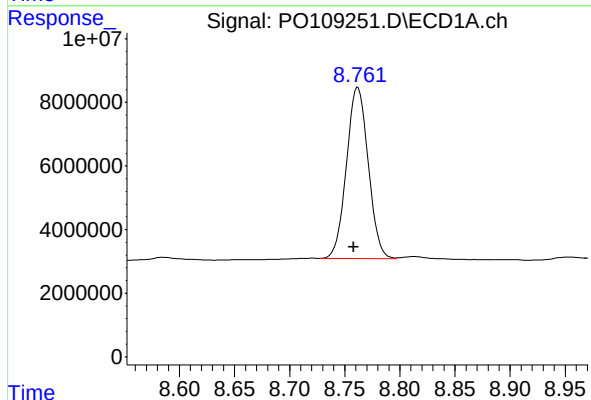
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



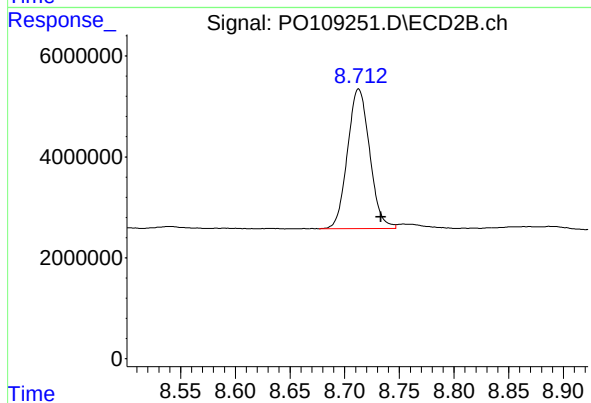
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 89091989  
Conc: 16.62 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.762 min  
Delta R.T.: 0.004 min  
Response: 74044035  
Conc: 10.69 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.713 min  
Delta R.T.: -0.020 min  
Response: 39094678  
Conc: 11.37 ng/ml

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/27/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25      |
| Client Sample ID:  | JPP-16.2-012725                       | SDG No.:           | Q1207         |
| Lab Sample ID:     | Q1207-15                              | Matrix:            | SOIL          |
| Analytical Method: | SW8082A                               | % Solid:           | 88.8          |
| Sample Wt/Vol:     | 30.03      Units:    g                | Final Vol:         | 10000      uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB           |
| Extraction Type:   |                                       | Injection Volume : |               |
| GPC Factor :       | 1.0      PH :                         |                    |               |
| Prep Method :      | SW3541B                               |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109252.D        | 1         | 01/29/25 08:55 | 01/29/25 20:44 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 19.1  | U         | 3.80     | 19.1       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 19.1  | U         | 7.20     | 19.1       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 19.1  | U         | 3.80     | 19.1       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 19.1  | U         | 3.80     | 19.1       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19.1  | U         | 8.90     | 19.1       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 19.1  | U         | 3.10     | 19.1       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 19.1  | U         | 5.10     | 19.1       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 19.1  | U         | 3.90     | 19.1       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 13.6  | J         | 3.30     | 19.1       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |           | 32 - 144 | 100%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 14.3  |           | 32 - 175 | 72%        | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109252.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 20:44  
 Operator : YP/AJ  
 Sample : Q1207-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-16.2-012725

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:04:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.698 | 3.696 | 143.4E6  | 107.7E6  | 18.979m | 20.092  |
| 2) SA Decachlor...          | 8.762 | 8.711 | 93634550 | 49203595 | 13.516  | 14.309  |
| Target Compounds            |       |       |          |          |         |         |
| 31) L7 AR-1260-1            | 6.292 | 6.264 | 14733332 | 8838380  | 38.654  | 35.066m |
| 32) L7 AR-1260-2            | 6.480 | 6.450 | 17773747 | 12189456 | 37.850  | 40.523m |
| 33) L7 AR-1260-3            | 6.849 | 6.605 | 13674456 | 9615136  | 34.923  | 34.539m |
| 34) L7 AR-1260-4            | 7.109 | 7.076 | 12501821 | 8225690  | 34.925  | 36.453m |
| 35) L7 AR-1260-5            | 7.351 | 7.317 | 29709516 | 17405149 | 35.597  | 34.763  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109252.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 20:44  
Operator : YP/AJ  
Sample : Q1207-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-16.2-012725

## Manual Integrations

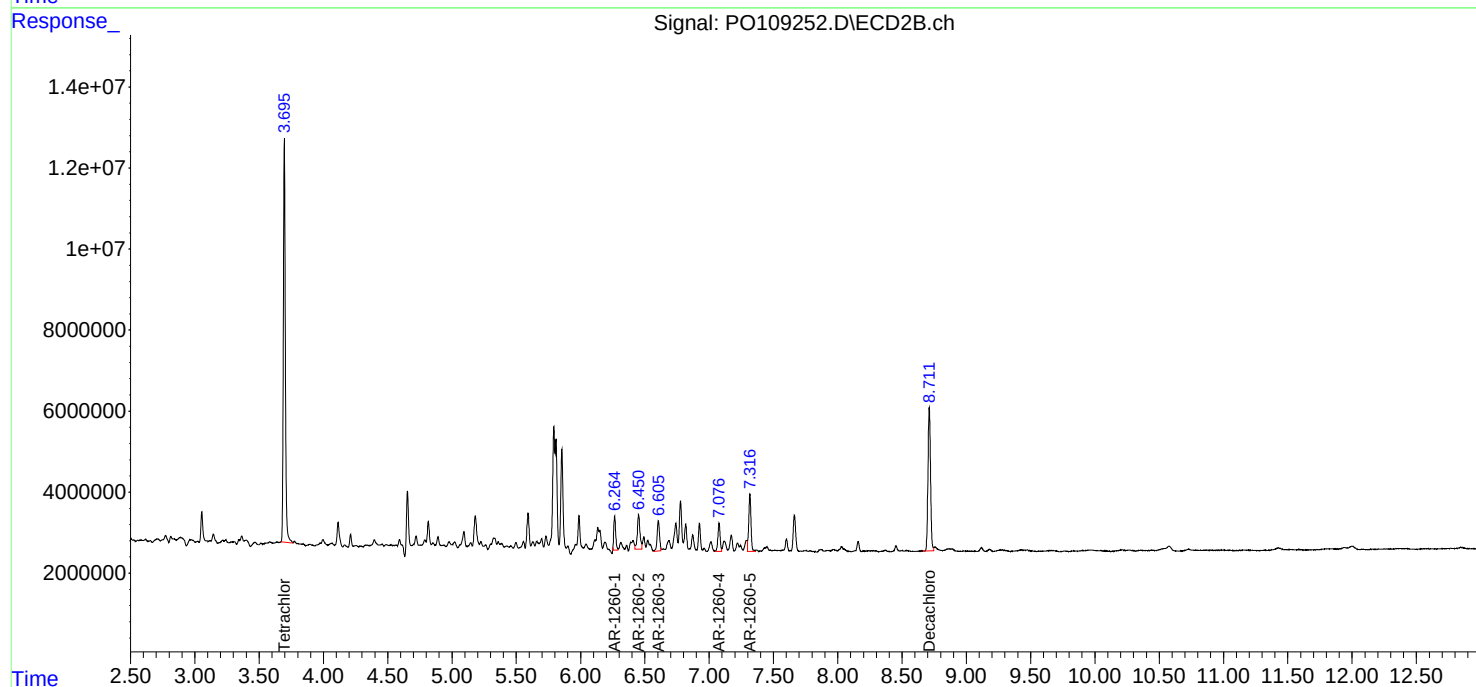
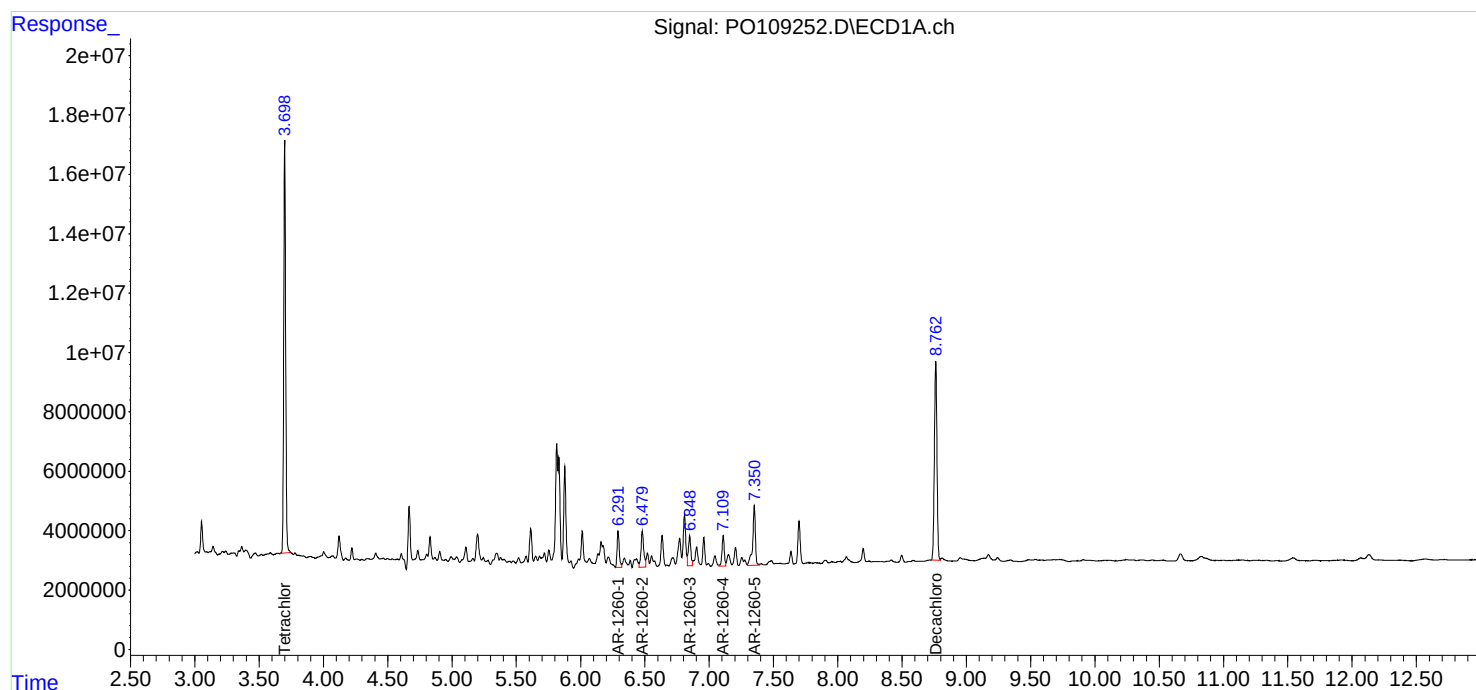
APPROVED

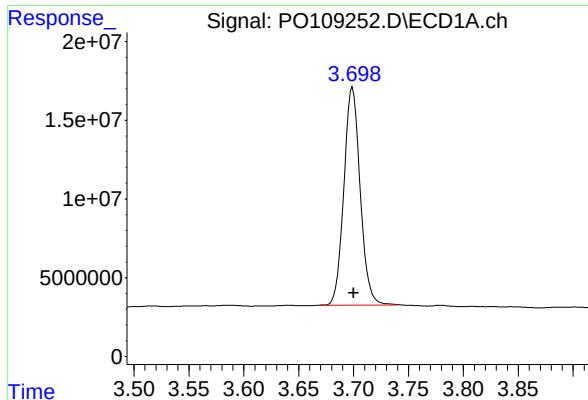
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:04:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.698 min  
Delta R.T.: -0.002 min  
Response: 143413563  
Conc: 18.98 ng/ml

Instrument :

ECD\_O

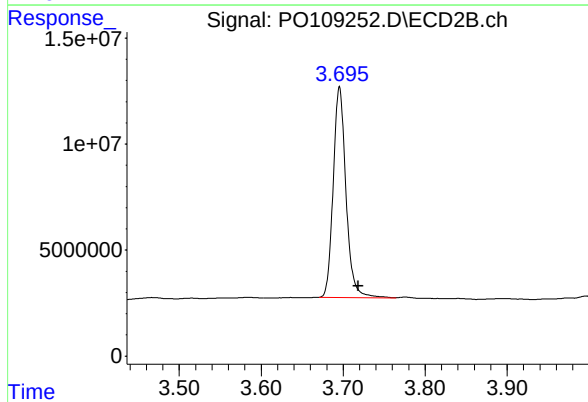
ClientSampleId :

JPP-16.2-012725

## Manual Integrations

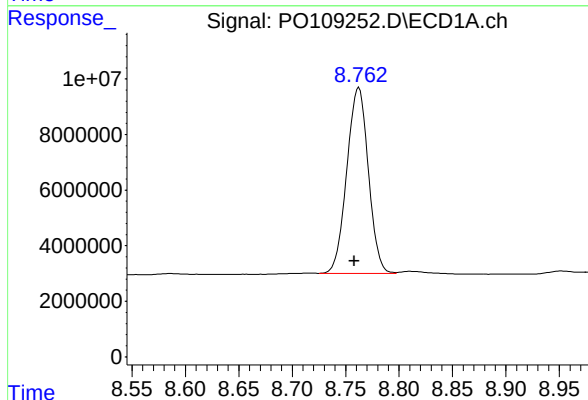
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



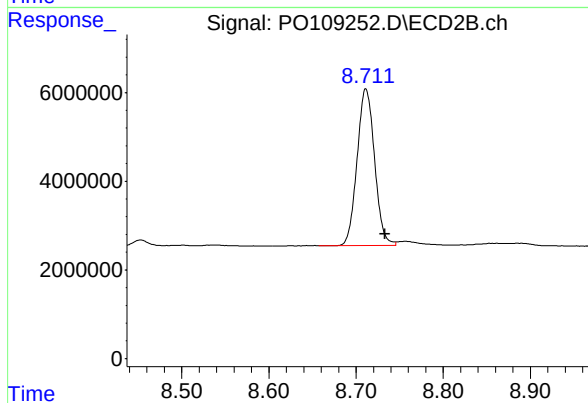
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 107699317  
Conc: 20.09 ng/ml



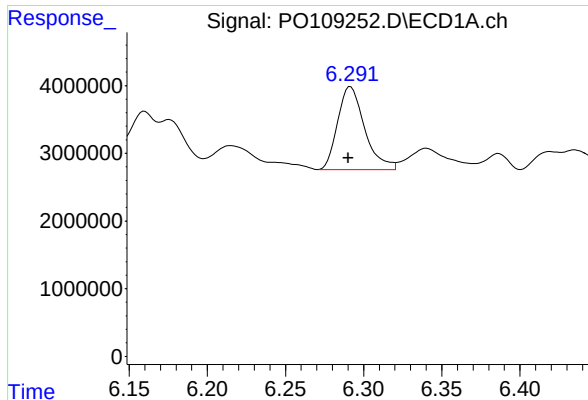
## #2 Decachlorobiphenyl

R.T.: 8.762 min  
Delta R.T.: 0.004 min  
Response: 93634550  
Conc: 13.52 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 49203595  
Conc: 14.31 ng/ml



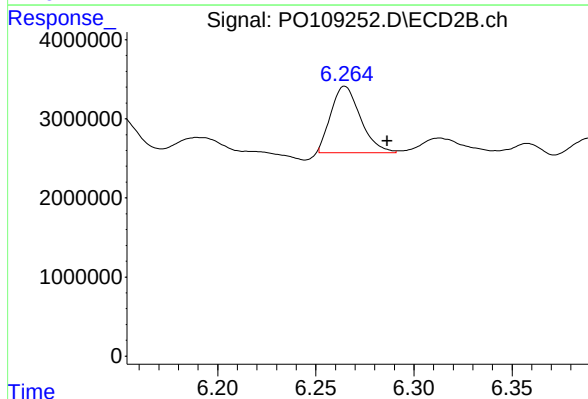
#31 AR-1260-1

R.T.: 6.292 min  
Delta R.T.: 0.001 min  
Response: 14733332  
Conc: 38.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-16.2-012725

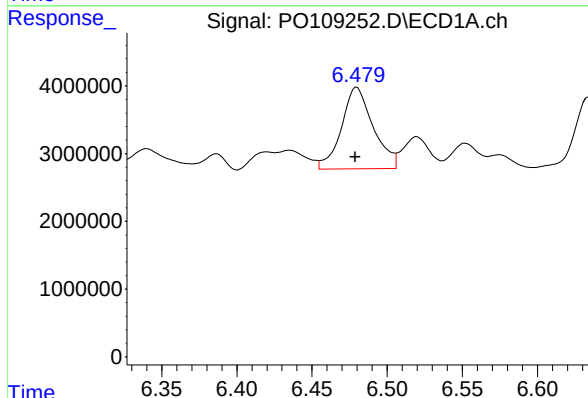
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



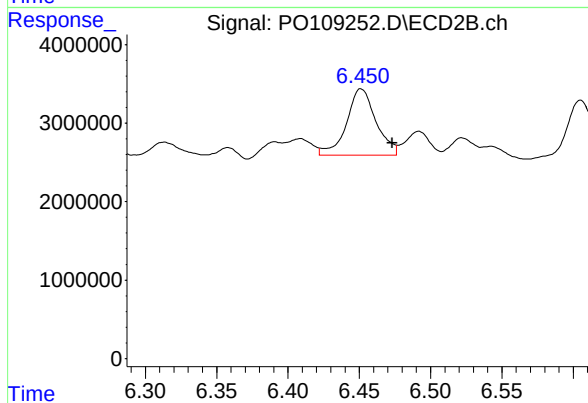
#31 AR-1260-1

R.T.: 6.264 min  
Delta R.T.: -0.022 min  
Response: 8838380  
Conc: 35.07 ng/ml m



#32 AR-1260-2

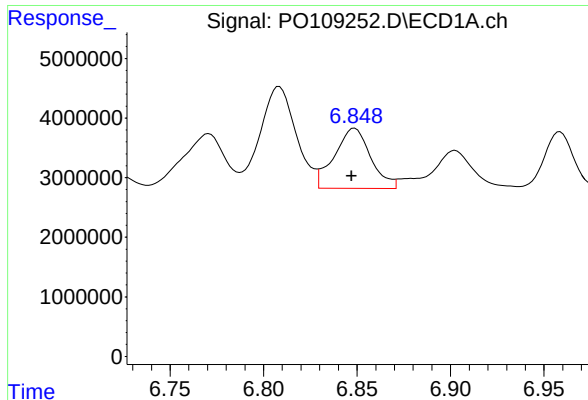
R.T.: 6.480 min  
Delta R.T.: 0.001 min  
Response: 17773747  
Conc: 37.85 ng/ml



#32 AR-1260-2

R.T.: 6.450 min  
Delta R.T.: -0.023 min  
Response: 12189456  
Conc: 40.52 ng/ml m





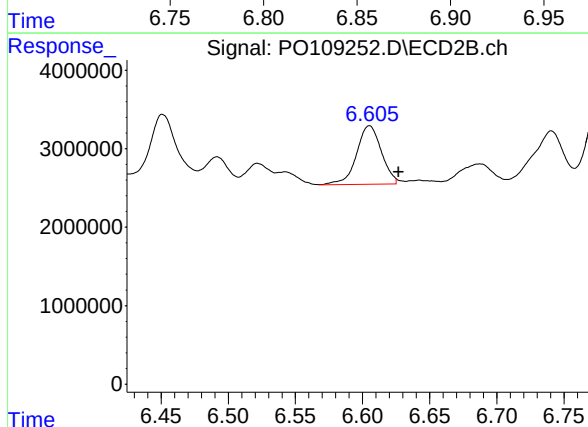
#33 AR-1260-3

R.T.: 6.849 min  
Delta R.T.: 0.002 min  
Response: 13674456  
Conc: 34.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-16.2-012725

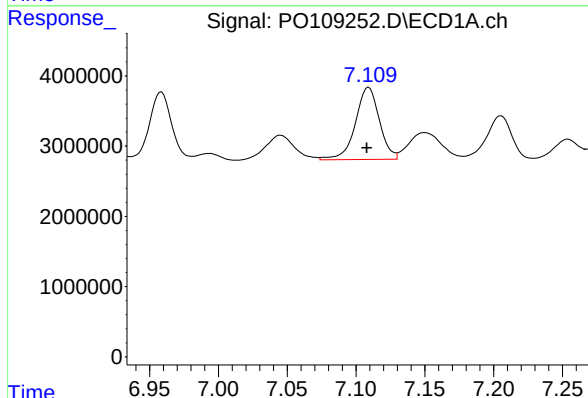
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



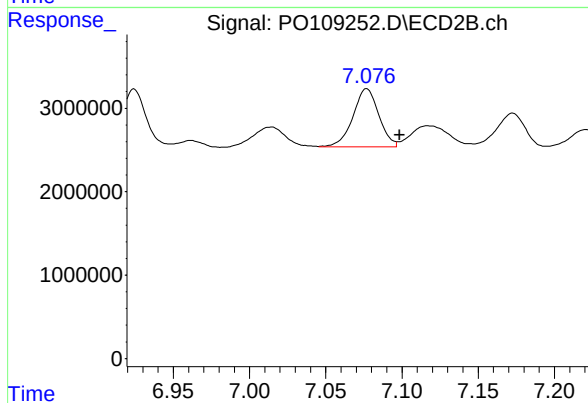
#33 AR-1260-3

R.T.: 6.605 min  
Delta R.T.: -0.022 min  
Response: 9615136  
Conc: 34.54 ng/ml



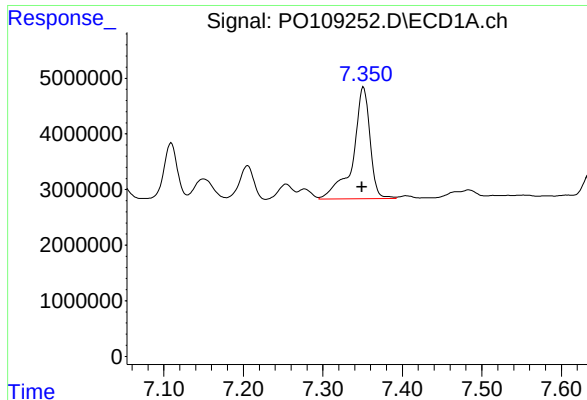
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.001 min  
Response: 12501821  
Conc: 34.93 ng/ml



#34 AR-1260-4

R.T.: 7.076 min  
Delta R.T.: -0.022 min  
Response: 8225690  
Conc: 36.45 ng/ml



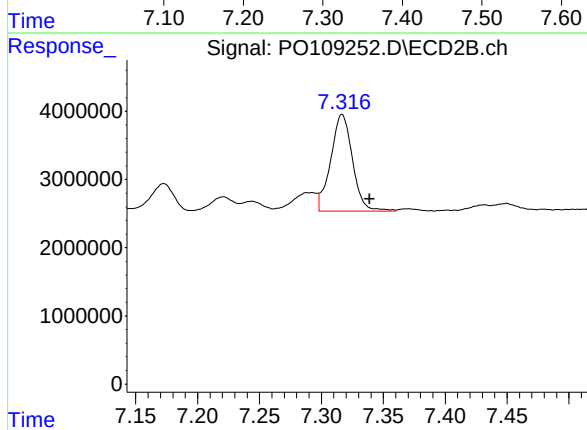
#35 AR-1260-5

R.T.: 7.351 min  
Delta R.T.: 0.002 min  
Response: 29709516  
Conc: 35.60 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-16.2-012725

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 17405149  
Conc: 34.76 ng/ml

## Report of Analysis

|                    |                                       |                    |               |
|--------------------|---------------------------------------|--------------------|---------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/27/25      |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25      |
| Client Sample ID:  | JPP-20.2-012725                       | SDG No.:           | Q1207         |
| Lab Sample ID:     | Q1207-19                              | Matrix:            | SOIL          |
| Analytical Method: | SW8082A                               | % Solid:           | 87.8          |
| Sample Wt/Vol:     | 30.06      Units:    g                | Final Vol:         | 10000      uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB           |
| Extraction Type:   |                                       | Injection Volume : |               |
| GPC Factor :       | 1.0      PH :                         |                    |               |
| Prep Method :      | SW3541B                               |                    |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109253.D        | 1         | 01/29/25 08:55 | 01/29/25 21:01 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 19.3  | U         | 3.90     | 19.3       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 19.3  | U         | 7.30     | 19.3       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 19.3  | U         | 3.90     | 19.3       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 19.3  | U         | 3.90     | 19.3       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19.3  | U         | 9.00     | 19.3       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 19.3  | U         | 3.10     | 19.3       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 19.3  | U         | 5.20     | 19.3       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 19.3  | U         | 3.90     | 19.3       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 17.0  | J         | 3.30     | 19.3       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |           | 32 - 144 | 100%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 12.0  |           | 32 - 175 | 60%        | SPK: 20           |

**Comments:**

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109253.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 21:01  
 Operator : YP/AJ  
 Sample : Q1207-19  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-20.2-012725

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:05:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.696 | 147.9E6  | 107.3E6  | 19.578m | 20.019  |
| 2) SA Decachlor...          | 8.759 | 8.712 | 77113862 | 41407120 | 11.131  | 12.041  |
| Target Compounds            |       |       |          |          |         |         |
| 31) L7 AR-1260-1            | 6.289 | 6.264 | 21484375 | 13249495 | 56.366  | 52.567m |
| 32) L7 AR-1260-2            | 6.478 | 6.450 | 21226627 | 13889959 | 45.203  | 46.176m |
| 33) L7 AR-1260-3            | 6.846 | 6.604 | 16464866 | 11209068 | 42.049  | 40.264m |
| 34) L7 AR-1260-4            | 7.107 | 7.076 | 12297628 | 8461189  | 34.355  | 37.497  |
| 35) L7 AR-1260-5            | 7.348 | 7.316 | 32473086 | 23852944 | 38.909  | 47.641  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109253.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 21:01  
Operator : YP/AJ  
Sample : Q1207-19  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

JPP-20.2-012725

## Manual Integrations

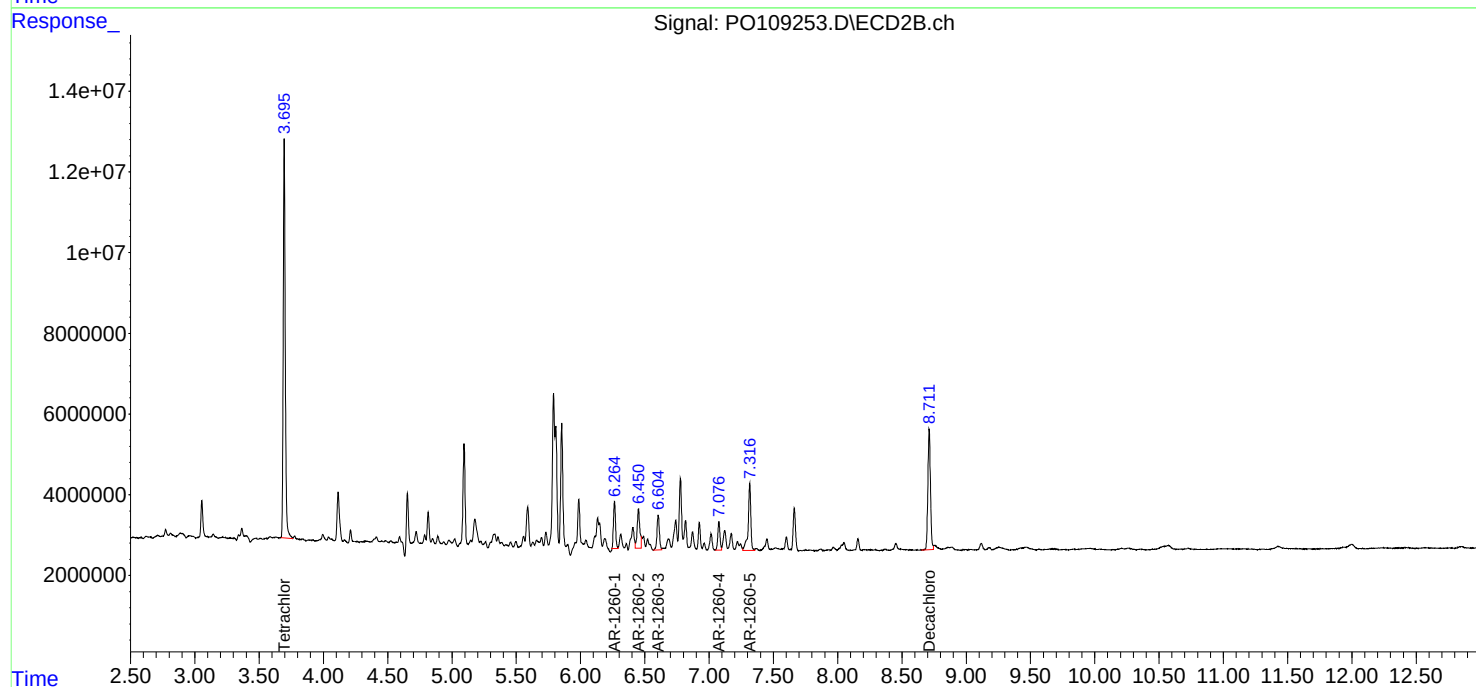
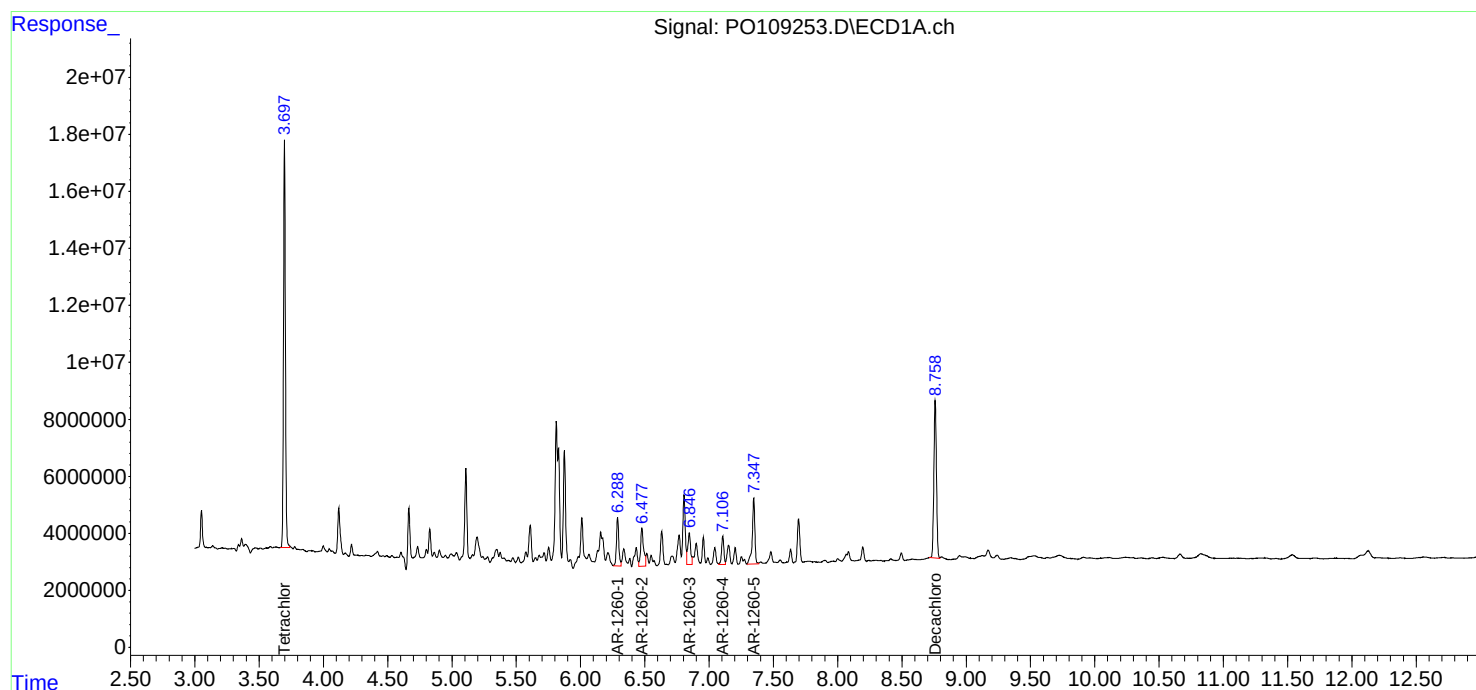
APPROVED

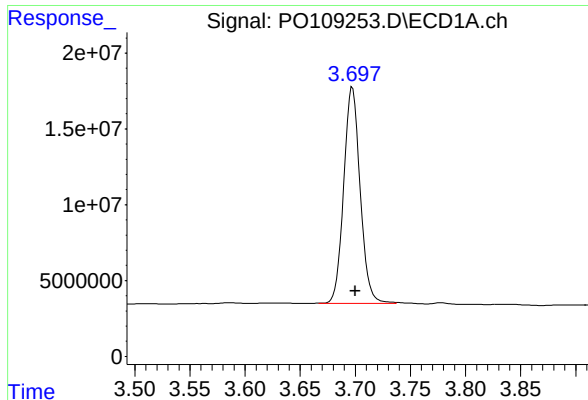
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:05:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.003 min  
Response: 147936160  
Conc: 19.58 ng/ml

Instrument :

ECD\_O

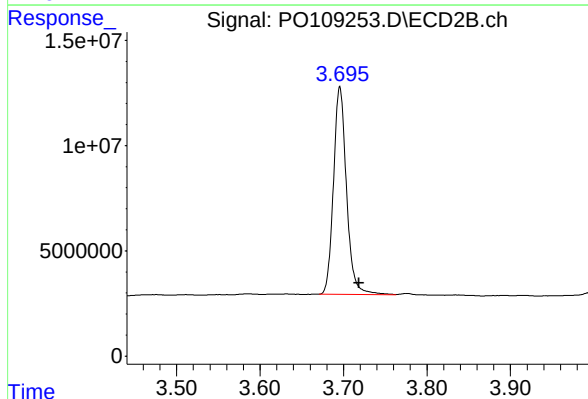
ClientSampleId :

JPP-20.2-012725

## Manual Integrations

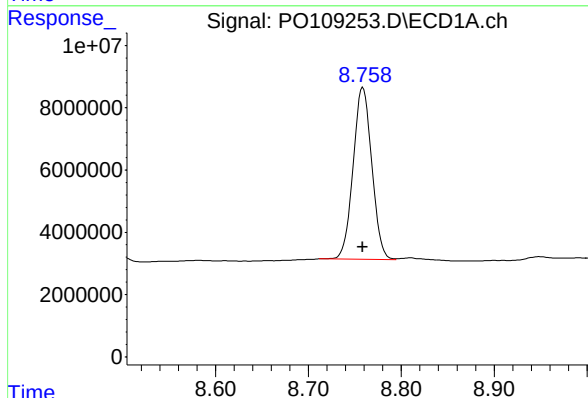
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



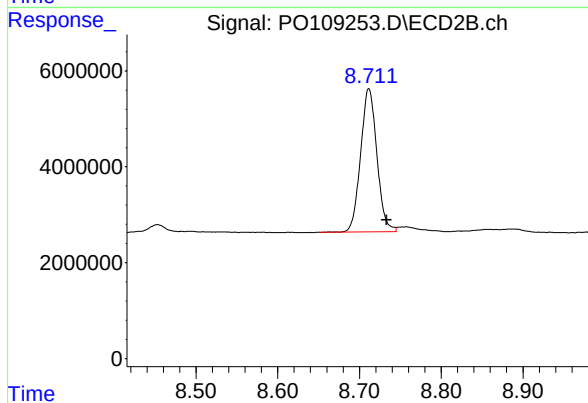
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 107310517  
Conc: 20.02 ng/ml



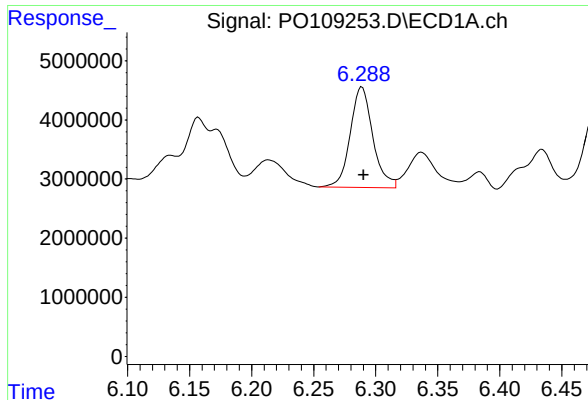
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 77113862  
Conc: 11.13 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: -0.022 min  
Response: 41407120  
Conc: 12.04 ng/ml



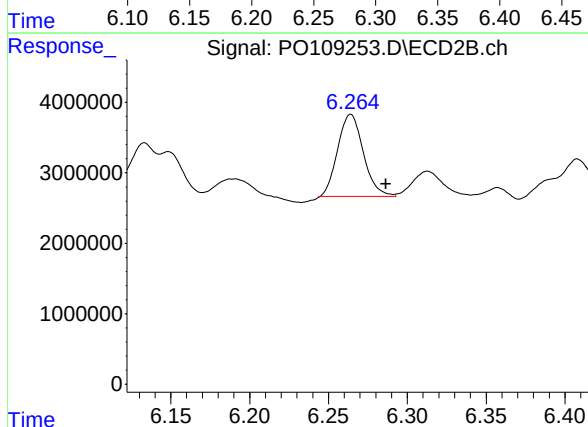
#31 AR-1260-1

R.T.: 6.289 min  
Delta R.T.: -0.001 min  
Response: 21484375  
Conc: 56.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-20.2-012725

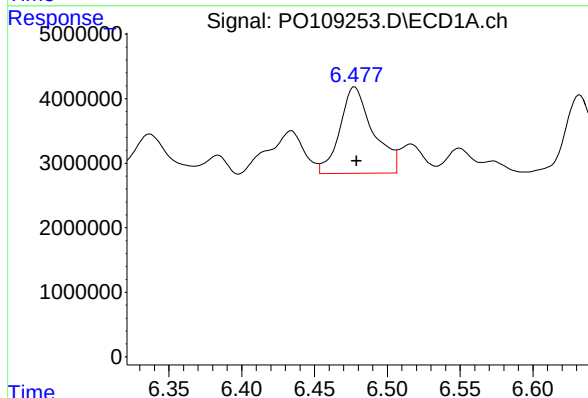
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



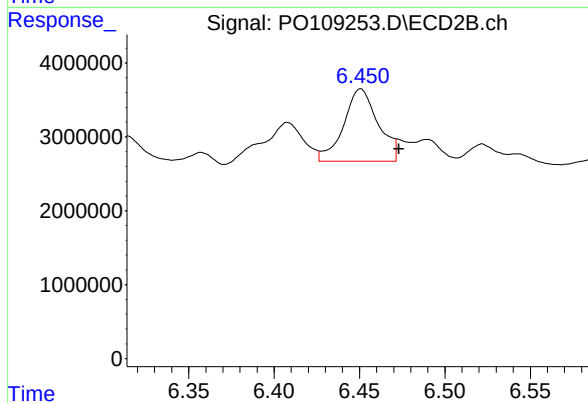
#31 AR-1260-1

R.T.: 6.264 min  
Delta R.T.: -0.023 min  
Response: 13249495  
Conc: 52.57 ng/ml m



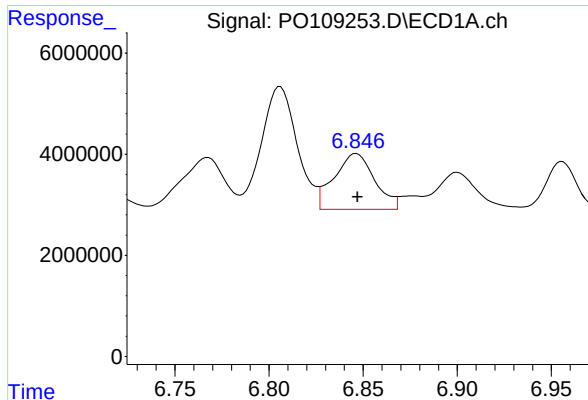
#32 AR-1260-2

R.T.: 6.478 min  
Delta R.T.: -0.001 min  
Response: 21226627  
Conc: 45.20 ng/ml



#32 AR-1260-2

R.T.: 6.450 min  
Delta R.T.: -0.023 min  
Response: 13889959  
Conc: 46.18 ng/ml m



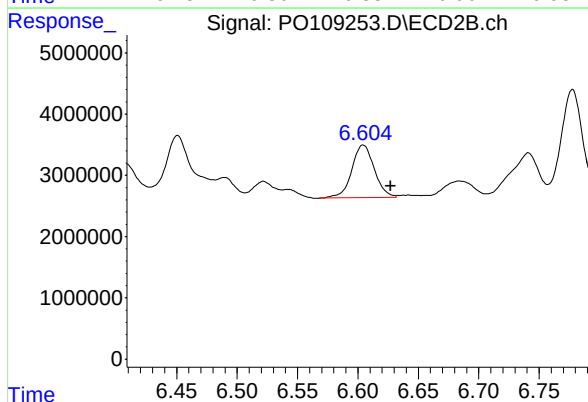
#33 AR-1260-3

R.T.: 6.846 min  
Delta R.T.: 0.000 min  
Response: 16464866  
Conc: 42.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-20.2-012725

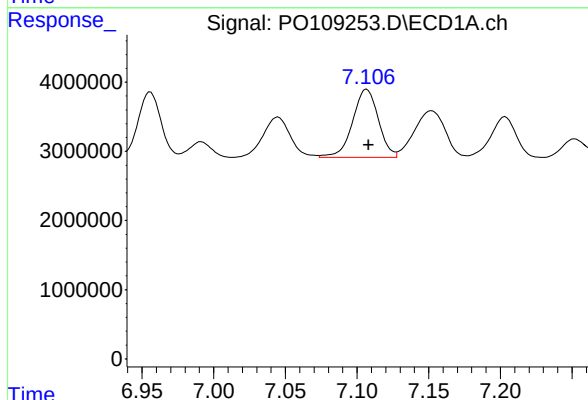
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



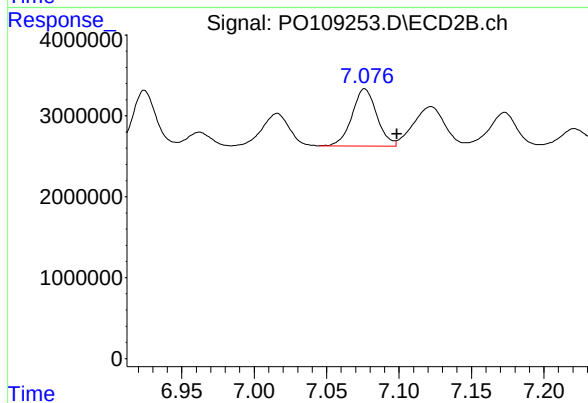
#33 AR-1260-3

R.T.: 6.604 min  
Delta R.T.: -0.023 min  
Response: 11209068  
Conc: 40.26 ng/ml



#34 AR-1260-4

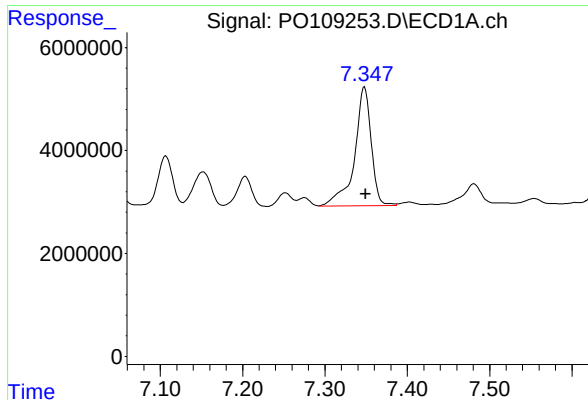
R.T.: 7.107 min  
Delta R.T.: -0.001 min  
Response: 12297628  
Conc: 34.36 ng/ml



#34 AR-1260-4

R.T.: 7.076 min  
Delta R.T.: -0.022 min  
Response: 8461189  
Conc: 37.50 ng/ml





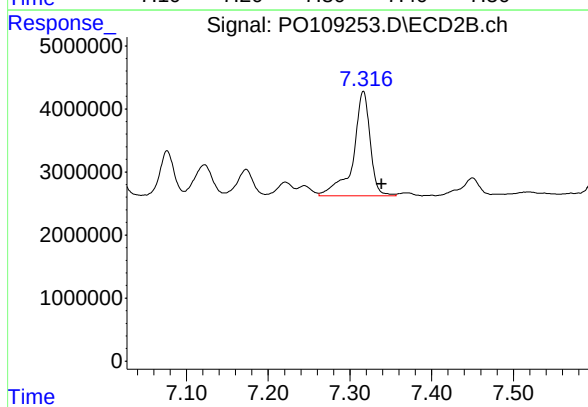
#35 AR-1260-5

R.T.: 7.348 min  
Delta R.T.: -0.001 min  
Response: 32473086  
Conc: 38.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
JPP-20.2-012725

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



#35 AR-1260-5

R.T.: 7.316 min  
Delta R.T.: -0.023 min  
Response: 23852944  
Conc: 47.64 ng/ml



# CALIBRATION SUMMARY

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## RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01Lab Code: CHEMCase No.: Q1207SAS No.: Q1207SDG NO.: Q1207Instrument ID: ECD\_OCalibration Date(s): 01/21/2025 01/22/2025Calibration Times: 17:36 01:50GC Column: ZB-MR1 ID: 0.32 (mm)

|                            |                             |                            |
|----------------------------|-----------------------------|----------------------------|
| LAB FILE ID:               | RT 1000 = <u>PO108982.D</u> | RT 750 = <u>PO108983.D</u> |
| RT 500 = <u>PO108984.D</u> | RT 250 = <u>PO108985.D</u>  | RT 050 = <u>PO108986.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|------|
|                      |     |         |        |        |        |        |            | FROM      | TO   |
| Aroclor-1016-1       | (1) | 4.79    | 4.79   | 4.80   | 4.80   | 4.80   | 4.80       | 4.70      | 4.90 |
| Aroclor-1016-2       | (2) | 4.81    | 4.82   | 4.81   | 4.81   | 4.81   | 4.81       | 4.71      | 4.91 |
| Aroclor-1016-3       | (3) | 4.87    | 4.87   | 4.87   | 4.87   | 4.87   | 4.87       | 4.77      | 4.97 |
| Aroclor-1016-4       | (4) | 4.99    | 4.99   | 4.99   | 4.99   | 4.99   | 4.99       | 4.89      | 5.09 |
| Aroclor-1016-5       | (5) | 5.25    | 5.25   | 5.25   | 5.25   | 5.25   | 5.25       | 5.15      | 5.35 |
| Aroclor-1260-1       | (1) | 6.29    | 6.29   | 6.29   | 6.29   | 6.29   | 6.29       | 6.19      | 6.39 |
| Aroclor-1260-2       | (2) | 6.48    | 6.48   | 6.48   | 6.48   | 6.48   | 6.48       | 6.38      | 6.58 |
| Aroclor-1260-3       | (3) | 6.85    | 6.85   | 6.85   | 6.85   | 6.85   | 6.85       | 6.75      | 6.95 |
| Aroclor-1260-4       | (4) | 7.11    | 7.11   | 7.11   | 7.11   | 7.11   | 7.11       | 7.01      | 7.21 |
| Aroclor-1260-5       | (5) | 7.35    | 7.35   | 7.35   | 7.35   | 7.35   | 7.35       | 7.25      | 7.45 |
| Decachlorobiphenyl   |     | 8.76    | 8.76   | 8.76   | 8.76   | 8.76   | 8.76       | 8.66      | 8.86 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60      | 3.80 |
| Aroclor-1242-1       | (1) | 4.80    | 4.80   | 4.80   | 4.80   | 4.79   | 4.80       | 4.70      | 4.90 |
| Aroclor-1242-2       | (2) | 4.82    | 4.82   | 4.82   | 4.82   | 4.81   | 4.82       | 4.72      | 4.92 |
| Aroclor-1242-3       | (3) | 4.87    | 4.87   | 4.87   | 4.87   | 4.87   | 4.87       | 4.77      | 4.97 |
| Aroclor-1242-4       | (4) | 4.99    | 4.99   | 4.99   | 4.99   | 4.99   | 4.99       | 4.89      | 5.09 |
| Aroclor-1242-5       | (5) | 5.65    | 5.65   | 5.65   | 5.65   | 5.64   | 5.65       | 5.55      | 5.75 |
| Decachlorobiphenyl   |     | 8.76    | 8.76   | 8.76   | 8.76   | 8.76   | 8.76       | 8.66      | 8.86 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60      | 3.80 |
| Aroclor-1248-1       | (1) | 4.80    | 4.79   | 4.79   | 4.80   | 4.80   | 4.80       | 4.70      | 4.90 |
| Aroclor-1248-2       | (2) | 5.03    | 5.03   | 5.03   | 5.03   | 5.03   | 5.03       | 4.93      | 5.13 |
| Aroclor-1248-3       | (3) | 5.25    | 5.25   | 5.25   | 5.25   | 5.25   | 5.25       | 5.15      | 5.35 |
| Aroclor-1248-4       | (4) | 5.60    | 5.60   | 5.60   | 5.60   | 5.60   | 5.60       | 5.50      | 5.70 |
| Aroclor-1248-5       | (5) | 5.65    | 5.65   | 5.65   | 5.65   | 5.65   | 5.65       | 5.55      | 5.75 |
| Decachlorobiphenyl   |     | 8.76    | 8.76   | 8.76   | 8.76   | 8.76   | 8.76       | 8.66      | 8.86 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60      | 3.80 |
| Aroclor-1254-1       | (1) | 5.60    | 5.61   | 5.60   | 5.61   | 5.60   | 5.60       | 5.50      | 5.70 |
| Aroclor-1254-2       | (2) | 5.75    | 5.75   | 5.75   | 5.75   | 5.75   | 5.75       | 5.65      | 5.85 |
| Aroclor-1254-3       | (3) | 6.16    | 6.16   | 6.16   | 6.16   | 6.16   | 6.16       | 6.06      | 6.26 |
| Aroclor-1254-4       | (4) | 6.39    | 6.39   | 6.39   | 6.39   | 6.39   | 6.39       | 6.29      | 6.49 |
| Aroclor-1254-5       | (5) | 6.81    | 6.81   | 6.81   | 6.81   | 6.81   | 6.81       | 6.71      | 6.91 |
| Decachlorobiphenyl   |     | 8.76    | 8.76   | 8.76   | 8.76   | 8.76   | 8.76       | 8.66      | 8.86 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60      | 3.80 |
| Aroclor-1268-1       | (1) | 7.63    | 7.64   | 7.64   | 7.64   | 7.64   | 7.64       | 7.54      | 7.74 |
| Aroclor-1268-2       | (2) | 7.70    | 7.70   | 7.70   | 7.70   | 7.70   | 7.70       | 7.60      | 7.80 |
| Aroclor-1268-3       | (3) | 7.91    | 7.91   | 7.91   | 7.91   | 7.91   | 7.91       | 7.81      | 8.01 |
| Aroclor-1268-4       | (4) | 8.20    | 8.20   | 8.20   | 8.20   | 8.20   | 8.20       | 8.10      | 8.30 |
| Aroclor-1268-5       | (5) | 8.50    | 8.50   | 8.50   | 8.50   | 8.50   | 8.50       | 8.40      | 8.60 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.76 | 8.76 | 8.76 | 8.76 | 8.76 | 8.76 | 8.66 | 8.86 |
| Tetrachloro-m-xylene | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.60 | 3.80 |

## RETENTION TIMES OF INITIAL CALIBRATION

Contract: RUTW01Lab Code: CHEMCase No.: Q1207SAS No.: Q1207SDG NO.: Q1207Instrument ID: ECD\_OCalibration Date(s): 01/21/2025 01/22/2025Calibration Times: 17:36 01:50GC Column: ZB-MR2ID: 0.32 (mm)

|                            |                             |                            |
|----------------------------|-----------------------------|----------------------------|
| LAB FILE ID:               | RT 1000 = <u>PO108982.D</u> | RT 750 = <u>PO108983.D</u> |
| RT 500 = <u>PO108984.D</u> | RT 250 = <u>PO108985.D</u>  | RT 050 = <u>PO108986.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW<br>FROM TO |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|----------------------|------|
| Aroclor-1016-1       | (1) | 4.78    | 4.78   | 4.80   | 4.78   | 4.78   | 4.79       | 4.69                 | 4.89 |
| Aroclor-1016-2       | (2) | 4.80    | 4.80   | 4.82   | 4.80   | 4.80   | 4.81       | 4.71                 | 4.91 |
| Aroclor-1016-3       | (3) | 4.98    | 4.98   | 5.00   | 4.98   | 4.98   | 4.98       | 4.88                 | 5.08 |
| Aroclor-1016-4       | (4) | 5.02    | 5.02   | 5.04   | 5.02   | 5.02   | 5.02       | 4.92                 | 5.12 |
| Aroclor-1016-5       | (5) | 5.23    | 5.23   | 5.25   | 5.23   | 5.23   | 5.24       | 5.14                 | 5.34 |
| Aroclor-1260-1       | (1) | 6.27    | 6.27   | 6.29   | 6.27   | 6.26   | 6.27       | 6.17                 | 6.37 |
| Aroclor-1260-2       | (2) | 6.45    | 6.45   | 6.47   | 6.45   | 6.45   | 6.46       | 6.36                 | 6.56 |
| Aroclor-1260-3       | (3) | 6.61    | 6.61   | 6.63   | 6.61   | 6.61   | 6.61       | 6.51                 | 6.71 |
| Aroclor-1260-4       | (4) | 7.08    | 7.08   | 7.10   | 7.08   | 7.08   | 7.08       | 6.98                 | 7.18 |
| Aroclor-1260-5       | (5) | 7.32    | 7.32   | 7.34   | 7.32   | 7.32   | 7.32       | 7.22                 | 7.42 |
| Decachlorobiphenyl   |     | 8.71    | 8.71   | 8.73   | 8.71   | 8.71   | 8.72       | 8.62                 | 8.82 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.72   | 3.70   | 3.70   | 3.70       | 3.60                 | 3.80 |
| Aroclor-1242-1       | (1) | 4.78    | 4.78   | 4.78   | 4.78   | 4.78   | 4.78       | 4.68                 | 4.88 |
| Aroclor-1242-2       | (2) | 4.80    | 4.80   | 4.80   | 4.80   | 4.80   | 4.80       | 4.70                 | 4.90 |
| Aroclor-1242-3       | (3) | 4.98    | 4.98   | 4.98   | 4.98   | 4.98   | 4.98       | 4.88                 | 5.08 |
| Aroclor-1242-4       | (4) | 5.06    | 5.06   | 5.06   | 5.06   | 5.06   | 5.06       | 4.96                 | 5.16 |
| Aroclor-1242-5       | (5) | 5.58    | 5.58   | 5.58   | 5.58   | 5.58   | 5.58       | 5.48                 | 5.68 |
| Decachlorobiphenyl   |     | 8.71    | 8.71   | 8.71   | 8.71   | 8.71   | 8.71       | 8.61                 | 8.81 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60                 | 3.80 |
| Aroclor-1248-1       | (1) | 4.78    | 4.78   | 4.78   | 4.78   | 4.78   | 4.78       | 4.68                 | 4.88 |
| Aroclor-1248-2       | (2) | 5.02    | 5.02   | 5.02   | 5.02   | 5.02   | 5.02       | 4.92                 | 5.12 |
| Aroclor-1248-3       | (3) | 5.06    | 5.06   | 5.06   | 5.06   | 5.06   | 5.06       | 4.96                 | 5.16 |
| Aroclor-1248-4       | (4) | 5.23    | 5.23   | 5.23   | 5.23   | 5.23   | 5.23       | 5.13                 | 5.33 |
| Aroclor-1248-5       | (5) | 5.62    | 5.62   | 5.62   | 5.63   | 5.62   | 5.62       | 5.52                 | 5.72 |
| Decachlorobiphenyl   |     | 8.71    | 8.71   | 8.71   | 8.71   | 8.71   | 8.71       | 8.61                 | 8.81 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60                 | 3.80 |
| Aroclor-1254-1       | (1) | 5.58    | 5.58   | 5.58   | 5.59   | 5.58   | 5.58       | 5.48                 | 5.68 |
| Aroclor-1254-2       | (2) | 5.73    | 5.73   | 5.73   | 5.73   | 5.73   | 5.73       | 5.63                 | 5.83 |
| Aroclor-1254-3       | (3) | 6.13    | 6.14   | 6.13   | 6.14   | 6.13   | 6.14       | 6.04                 | 6.24 |
| Aroclor-1254-4       | (4) | 6.36    | 6.36   | 6.36   | 6.36   | 6.36   | 6.36       | 6.26                 | 6.46 |
| Aroclor-1254-5       | (5) | 6.78    | 6.78   | 6.78   | 6.78   | 6.78   | 6.78       | 6.68                 | 6.88 |
| Decachlorobiphenyl   |     | 8.71    | 8.71   | 8.71   | 8.71   | 8.71   | 8.71       | 8.61                 | 8.81 |
| Tetrachloro-m-xylene |     | 3.70    | 3.70   | 3.70   | 3.70   | 3.70   | 3.70       | 3.60                 | 3.80 |
| Aroclor-1268-1       | (1) | 7.60    | 7.60   | 7.60   | 7.60   | 7.60   | 7.60       | 7.50                 | 7.70 |
| Aroclor-1268-2       | (2) | 7.67    | 7.67   | 7.67   | 7.67   | 7.66   | 7.67       | 7.57                 | 7.77 |
| Aroclor-1268-3       | (3) | 7.87    | 7.87   | 7.87   | 7.88   | 7.87   | 7.87       | 7.77                 | 7.97 |
| Aroclor-1268-4       | (4) | 8.16    | 8.16   | 8.16   | 8.16   | 8.16   | 8.16       | 8.06                 | 8.26 |
| Aroclor-1268-5       | (5) | 8.45    | 8.45   | 8.45   | 8.45   | 8.45   | 8.45       | 8.35                 | 8.55 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.71 | 8.61 | 8.81 |
| Tetrachloro-m-xylene | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.60 | 3.80 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1207 **SAS No.:** Q1207 **SDG NO.:** Q1207  
**Instrument ID:** ECD\_O  
**Calibration Date(s):** 01/21/2025 01/22/2025  
**Calibration Times:** 17:36 01:50

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

| LAB FILE ID:               |     | CF 1000 = <u>PO108982.D</u> |            | CF 750 = <u>PO108983.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PO108984.D</u> |     | CF 250 = <u>PO108985.D</u>  |            | CF 050 = <u>PO108986.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 233065045                   | 244410019  | 248250902                  | 263810212  | 271896440  | 252286524  |
| Aroclor-1016-2             | (2) | 325363679                   | 338972765  | 344308556                  | 357996712  | 357782160  | 344884774  |
| Aroclor-1016-3             | (3) | 223049536                   | 234801713  | 240773660                  | 257313424  | 264644780  | 244116623  |
| Aroclor-1016-4             | (4) | 175974311                   | 184579665  | 189100190                  | 198987084  | 205504880  | 190829226  |
| Aroclor-1016-5             | (5) | 190134930                   | 199311205  | 207066494                  | 222947156  | 224348000  | 208761557  |
| Aroclor-1260-1             | (1) | 348800771                   | 364882765  | 375462458                  | 399932624  | 416699380  | 381155600  |
| Aroclor-1260-2             | (2) | 430525248                   | 448276513  | 461774946                  | 488220872  | 519105560  | 469580628  |
| Aroclor-1260-3             | (3) | 359859412                   | 378331397  | 386511394                  | 408169100  | 424938760  | 391562013  |
| Aroclor-1260-4             | (4) | 332481764                   | 347292652  | 354683668                  | 372951676  | 382377400  | 357957432  |
| Aroclor-1260-5             | (5) | 803151986                   | 830038244  | 833771178                  | 853559688  | 852457760  | 834595771  |
| Decachlorobiphenyl         |     | 6434348190                  | 6661231787 | 6830111140                 | 7188416880 | 7524624800 | 6927746559 |
| Tetrachloro-m-xylene       |     | 7601276640                  | 7501278947 | 7481675880                 | 7644109480 | 7553803600 | 7556428909 |
| Aroclor-1242-1             | (1) | 195196952                   | 201389908  | 214304986                  | 226003920  | 225308640  | 212440881  |
| Aroclor-1242-2             | (2) | 268098195                   | 278641713  | 289244872                  | 304071824  | 293574460  | 286726213  |
| Aroclor-1242-3             | (3) | 186201466                   | 194711956  | 206440658                  | 220830688  | 215362160  | 204709386  |
| Aroclor-1242-4             | (4) | 146339247                   | 152438169  | 160415562                  | 170237596  | 164916200  | 158869355  |
| Aroclor-1242-5             | (5) | 154300112                   | 158580243  | 167963632                  | 178401740  | 175909460  | 167031037  |
| Decachlorobiphenyl         |     | 6093757170                  | 6273163067 | 6555969800                 | 6873050240 | 6988220200 | 6556832095 |
| Tetrachloro-m-xylene       |     | 7302831450                  | 7496516067 | 7696349800                 | 7451780120 | 6586958200 | 7306887127 |
| Aroclor-1248-1             | (1) | 145246997                   | 150453889  | 157781164                  | 170519664  | 173855120  | 159571367  |
| Aroclor-1248-2             | (2) | 197265768                   | 209686637  | 218963792                  | 239048120  | 252482700  | 223489403  |
| Aroclor-1248-3             | (3) | 248188978                   | 257855635  | 270690240                  | 293270108  | 299294900  | 273859972  |
| Aroclor-1248-4             | (4) | 351583188                   | 362624208  | 379215116                  | 402583304  | 426725120  | 384546187  |
| Aroclor-1248-5             | (5) | 245666962                   | 251879323  | 262640736                  | 279614828  | 288543680  | 265669106  |
| Decachlorobiphenyl         |     | 6072639940                  | 6272001520 | 6560139460                 | 6944778840 | 7129210800 | 6595754112 |
| Tetrachloro-m-xylene       |     | 7184593920                  | 7370395840 | 7484351680                 | 7653720840 | 7312573400 | 7401127136 |
| Aroclor-1254-1             | (1) | 374847163                   | 389452248  | 410697836                  | 433454068  | 459205320  | 413531327  |
| Aroclor-1254-2             | (2) | 325342531                   | 339278107  | 358066768                  | 381289080  | 405152620  | 361825821  |
| Aroclor-1254-3             | (3) | 522141746                   | 540493293  | 562618572                  | 587400960  | 607950820  | 564121078  |
| Aroclor-1254-4             | (4) | 328382284                   | 332039301  | 348673262                  | 361037032  | 352970440  | 344620464  |
| Aroclor-1254-5             | (5) | 475331089                   | 489980032  | 515035558                  | 537655848  | 547482260  | 513096957  |
| Decachlorobiphenyl         |     | 6154630290                  | 6360969147 | 6655043100                 | 6960677720 | 7204237800 | 6667111611 |
| Tetrachloro-m-xylene       |     | 7266635340                  | 7453080907 | 7677404800                 | 7686251640 | 7337350200 | 7484144577 |
| Aroclor-1268-1             | (1) | 1033690630                  | 1036942464 | 1067670602                 | 1080273708 | 1104982020 | 1064711885 |

### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 952087675   | 951155156   | 979561020   | 979388044   | 983362060   | 969110791   | 2 |
| Aroclor-1268-3       | (3) | 786406202   | 784932265   | 807859298   | 814292396   | 834332900   | 805564612   | 3 |
| Aroclor-1268-4       | (4) | 327369336   | 328395845   | 341390382   | 351699060   | 363994160   | 342569757   | 5 |
| Aroclor-1268-5       | (5) | 2419252053  | 2385425329  | 2430042174  | 2398845144  | 2323360200  | 2391384980  | 2 |
| Decachlorobiphenyl   |     | 11036128070 | 11026162653 | 11389192500 | 11664983320 | 12135593800 | 11450412069 | 4 |
| Tetrachloro-m-xylene |     | 7546638300  | 7604080347  | 7812040940  | 7844017680  | 7509481400  | 7663251733  | 2 |



**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** RUTW01  
**Lab Code:** CHEM **Case No.:** Q1207 **SAS No.:** Q1207 **SDG NO.:** Q1207  
**Instrument ID:** ECD\_O  
**Calibration Date(s):** 01/21/2025 01/22/2025  
**Calibration Times:** 17:36 01:50  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PO108982.D</u> |            | CF 750 = <u>PO108983.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO108984.D</u> |     | CF 250 = <u>PO108985.D</u>  |            | CF 050 = <u>PO108986.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 145518803                   | 142573049  | 166649690                  | 172900172  | 181948120  | 11    |
| Aroclor-1016-2             | (2) | 223129267                   | 236622256  | 232122136                  | 250011316  | 249296120  | 5     |
| Aroclor-1016-3             | (3) | 121270732                   | 126119179  | 128693642                  | 138175620  | 137629920  | 6     |
| Aroclor-1016-4             | (4) | 98703058                    | 105288716  | 109289440                  | 120650588  | 118660940  | 8     |
| Aroclor-1016-5             | (5) | 130939362                   | 136319948  | 141694888                  | 155164716  | 153595760  | 7     |
| Aroclor-1260-1             | (1) | 229857010                   | 239931019  | 247217984                  | 265407312  | 277830920  | 8     |
| Aroclor-1260-2             | (2) | 274616892                   | 283537992  | 291890314                  | 314812824  | 339164440  | 9     |
| Aroclor-1260-3             | (3) | 255547157                   | 264550967  | 272530098                  | 288370904  | 310931080  | 8     |
| Aroclor-1260-4             | (4) | 210034482                   | 216033343  | 222462830                  | 233977972  | 245747280  | 6     |
| Aroclor-1260-5             | (5) | 481178354                   | 492665984  | 499979908                  | 514637484  | 514938920  | 3     |
| Decachlorobiphenyl         |     | 3156544800                  | 3289680693 | 3391332080                 | 3623383520 | 3732817400 | 7     |
| Tetrachloro-m-xylene       |     | 5315746230                  | 5437498093 | 5428207440                 | 5462079080 | 5158066000 | 2     |
| Aroclor-1242-1             | (1) | 130294727                   | 135534199  | 142873858                  | 151389892  | 154466220  | 7     |
| Aroclor-1242-2             | (2) | 183791222                   | 188978371  | 198913930                  | 207089908  | 207312700  | 5     |
| Aroclor-1242-3             | (3) | 100083291                   | 104057155  | 110676450                  | 116018292  | 114379700  | 6     |
| Aroclor-1242-4             | (4) | 101694040                   | 106737525  | 114342192                  | 123447428  | 121997980  | 8     |
| Aroclor-1242-5             | (5) | 124175329                   | 128045065  | 135895568                  | 145256248  | 150561360  | 8     |
| Decachlorobiphenyl         |     | 2975923130                  | 3104041173 | 3249737920                 | 3444762080 | 3552503800 | 7     |
| Tetrachloro-m-xylene       |     | 5146305370                  | 5269389160 | 5422425040                 | 5452266880 | 4942424000 | 4     |
| Aroclor-1248-1             | (1) | 97508588                    | 101198119  | 106540372                  | 114549420  | 116802080  | 8     |
| Aroclor-1248-2             | (2) | 135954819                   | 143343636  | 151605960                  | 164947764  | 174030220  | 10    |
| Aroclor-1248-3             | (3) | 145968318                   | 152945292  | 161442194                  | 176334456  | 190180940  | 11    |
| Aroclor-1248-4             | (4) | 171715835                   | 178859555  | 187881420                  | 202639424  | 216432800  | 9     |
| Aroclor-1248-5             | (5) | 167823607                   | 172638881  | 180053168                  | 192035492  | 203508660  | 8     |
| Decachlorobiphenyl         |     | 3009595400                  | 3126029333 | 3260555920                 | 3479534800 | 3551272200 | 7     |
| Tetrachloro-m-xylene       |     | 5072748910                  | 5224226253 | 5283938200                 | 5402921120 | 5021628000 | 3     |
| Aroclor-1254-1             | (1) | 253547823                   | 264686405  | 278940988                  | 295164372  | 313075680  | 8     |
| Aroclor-1254-2             | (2) | 223099297                   | 232757513  | 247383274                  | 262896088  | 285176280  | 10    |
| Aroclor-1254-3             | (3) | 362340991                   | 375750797  | 393412880                  | 409817176  | 422789620  | 6     |
| Aroclor-1254-4             | (4) | 207964031                   | 212728924  | 222445680                  | 231289600  | 227332320  | 4     |
| Aroclor-1254-5             | (5) | 302636627                   | 313319767  | 329146572                  | 343115096  | 345356740  | 6     |
| Decachlorobiphenyl         |     | 3009418030                  | 3125275440 | 3274408080                 | 3481058080 | 3592269800 | 7     |
| Tetrachloro-m-xylene       |     | 5157782560                  | 5318511973 | 5462257400                 | 5454366480 | 5168021000 | 3     |
| Aroclor-1268-1             | (1) | 605633372                   | 613614913  | 625929052                  | 644237020  | 658094440  | 3     |

### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 555793036  | 560357999  | 571244564  | 587032548  | 581198500  | 571125329  | 2 |
| Aroclor-1268-3       | (3) | 443116844  | 448542784  | 458393734  | 471576124  | 481232120  | 460572321  | 3 |
| Aroclor-1268-4       | (4) | 171795401  | 175640587  | 181667170  | 188528320  | 184928840  | 180512064  | 4 |
| Aroclor-1268-5       | (5) | 1182764439 | 1191499568 | 1205466938 | 1214359780 | 1189190120 | 1196656169 | 1 |
| Decachlorobiphenyl   |     | 5296716160 | 5425177360 | 5590471540 | 5802552800 | 5997123200 | 5622408212 | 5 |
| Tetrachloro-m-xylene |     | 5377448880 | 5418716973 | 5531134800 | 5564772080 | 5234786600 | 5425371867 | 2 |



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

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Instrument ID: ECD\_O Date(s) Analyzed: 01/21/2025 01/22/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 3.91 | 3.81      | 4.01 | 100101000             |
|              |                | 2    | 4.00 | 3.90      | 4.10 | 74407200              |
|              |                | 3    | 4.08 | 3.98      | 4.18 | 208014000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.08 | 3.98      | 4.18 | 165122000             |
|              |                | 2    | 4.57 | 4.47      | 4.67 | 90981600              |
|              |                | 3    | 4.81 | 4.71      | 4.91 | 160152000             |
|              |                | 4    | 4.99 | 4.89      | 5.09 | 88001400              |
|              |                | 5    | 5.03 | 4.93      | 5.13 | 64818200              |
| Aroclor-1262 | 500            | 1    | 6.85 | 6.75      | 6.95 | 534016000             |
|              |                | 2    | 7.35 | 7.25      | 7.45 | 919466000             |
|              |                | 3    | 7.64 | 7.54      | 7.74 | 364572000             |
|              |                | 4    | 7.70 | 7.60      | 7.80 | 687626000             |
|              |                | 5    | 8.20 | 8.10      | 8.30 | 302118000             |



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Fax : 908 789 8922

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Instrument ID: ECD\_O Date(s) Analyzed: 01/21/2025 01/22/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 3.91 | 3.81      | 4.01 | 65489800              |
|              |                | 2    | 4.00 | 3.90      | 4.10 | 49387600              |
|              |                | 3    | 4.07 | 3.97      | 4.17 | 145160000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.07 | 3.97      | 4.17 | 115508000             |
|              |                | 2    | 4.80 | 4.70      | 4.90 | 108913000             |
|              |                | 3    | 4.98 | 4.88      | 5.08 | 59967000              |
|              |                | 4    | 5.06 | 4.96      | 5.16 | 57262000              |
|              |                | 5    | 5.23 | 5.13      | 5.33 | 60672000              |
| Aroclor-1262 | 500            | 1    | 6.82 | 6.72      | 6.92 | 340358000             |
|              |                | 2    | 7.32 | 7.22      | 7.42 | 554604000             |
|              |                | 3    | 7.60 | 7.50      | 7.70 | 214440000             |
|              |                | 4    | 7.67 | 7.57      | 7.77 | 391888000             |
|              |                | 5    | 8.16 | 8.06      | 8.26 | 159461000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108982.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 17:36  
 Operator : YP/AJ  
 Sample : AR1660ICC1000  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC1000

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 23:47:37 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 21 23:33:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|---------|----------|---------|----------|
| -----                       |       |       |         |          |         |          |
| System Monitoring Compounds |       |       |         |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 760.1E6 | 531.6E6  | 100.743 | 98.963   |
| 2) SA Decachlor...          | 8.760 | 8.711 | 643.4E6 | 315.7E6  | 91.253  | 89.948   |
| Target Compounds            |       |       |         |          |         |          |
| 3) L1 AR-1016-1             | 4.794 | 4.781 | 233.1E6 | 145.5E6  | 906.544 | 876.526m |
| 4) L1 AR-1016-2             | 4.814 | 4.800 | 325.4E6 | 223.1E6  | 930.235 | 921.972m |
| 5) L1 AR-1016-3             | 4.870 | 4.976 | 223.0E6 | 121.3E6  | 894.404 | 914.184m |
| 6) L1 AR-1016-4             | 4.991 | 5.017 | 176.0E6 | 98703058 | 904.552 | 869.842m |
| 7) L1 AR-1016-5             | 5.249 | 5.231 | 190.1E6 | 130.9E6  | 890.903 | 892.603m |
| 31) L7 AR-1260-1            | 6.290 | 6.265 | 348.8E6 | 229.9E6  | 896.097 | 892.313  |
| 32) L7 AR-1260-2            | 6.479 | 6.452 | 430.5E6 | 274.6E6  | 898.154 | 893.495  |
| 33) L7 AR-1260-3            | 6.848 | 6.606 | 359.9E6 | 255.5E6  | 900.802 | 899.511  |
| 34) L7 AR-1260-4            | 7.109 | 7.077 | 332.5E6 | 210.0E6  | 912.593 | 914.962m |
| 35) L7 AR-1260-5            | 7.350 | 7.317 | 803.2E6 | 481.2E6  | 953.345 | 951.781  |
| -----                       |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108982.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 17:36  
Operator : YP/AJ  
Sample : AR1660ICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC1000

## Manual Integrations

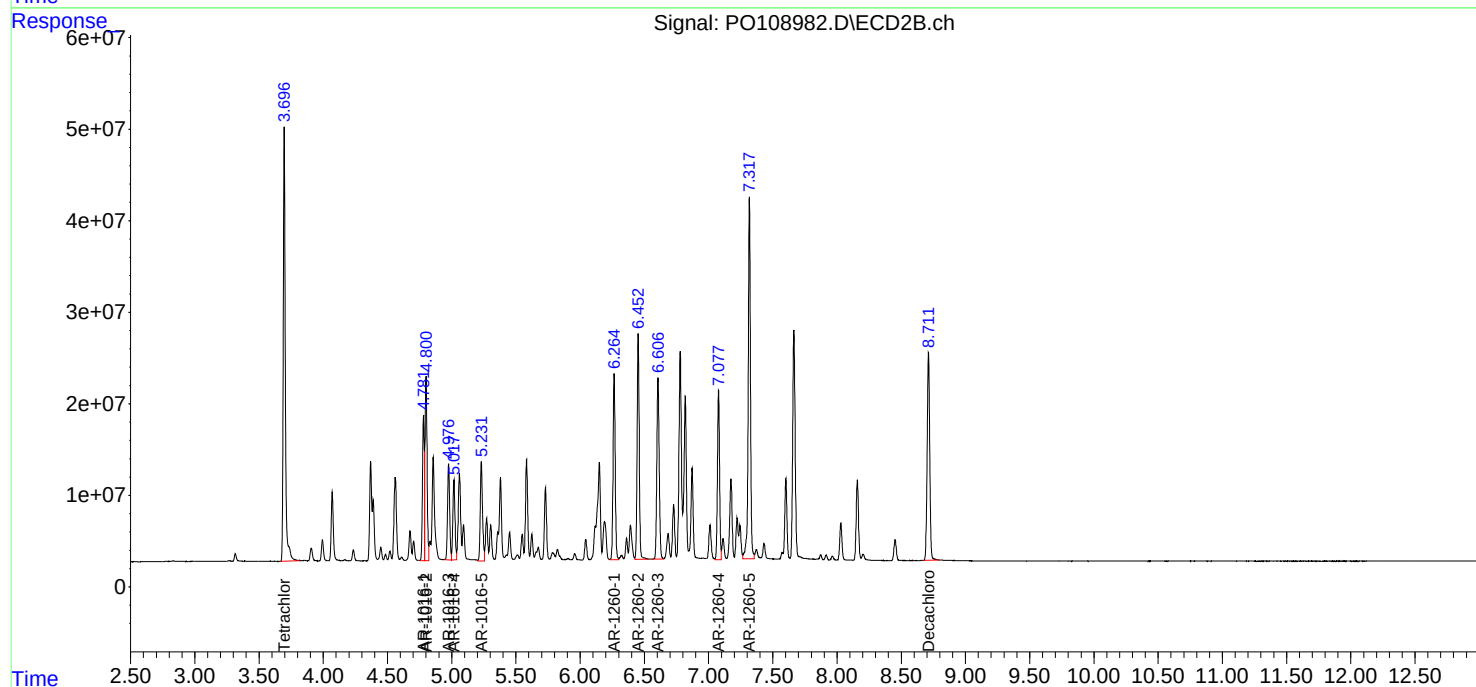
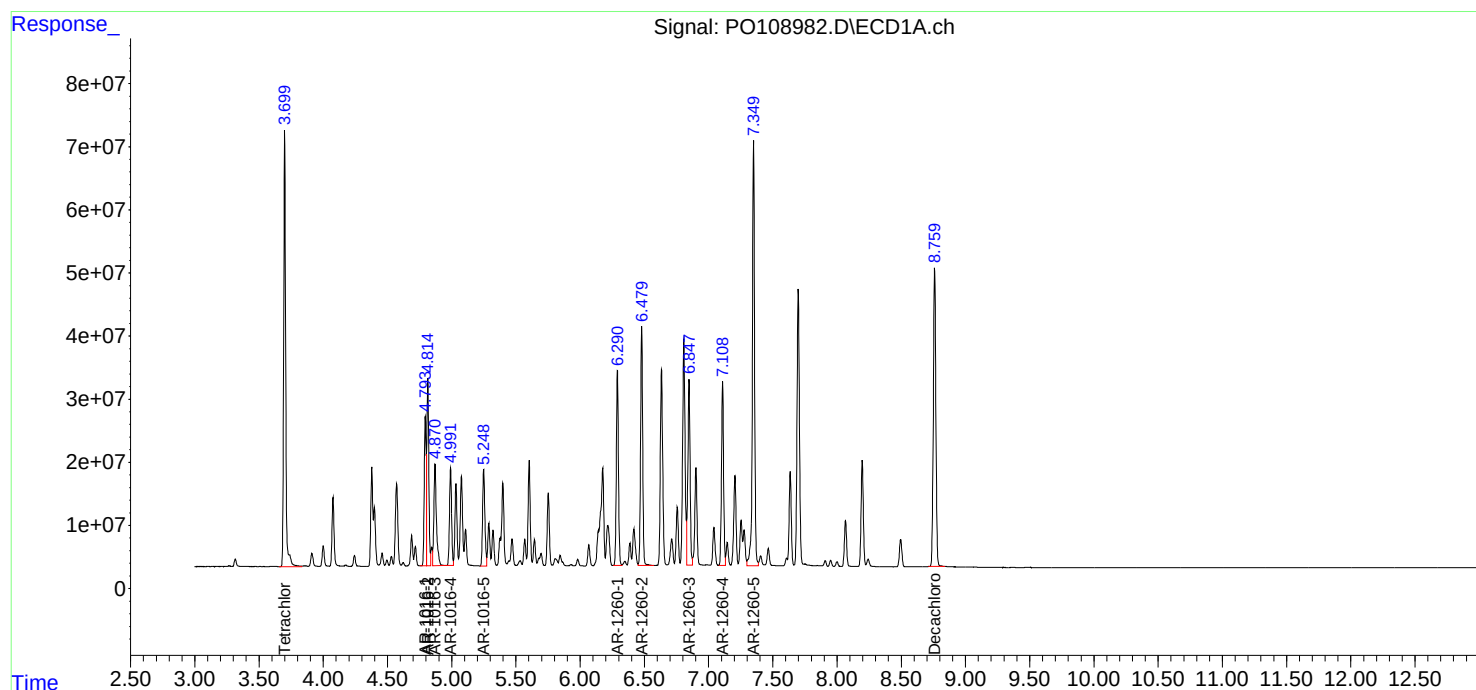
APPROVED

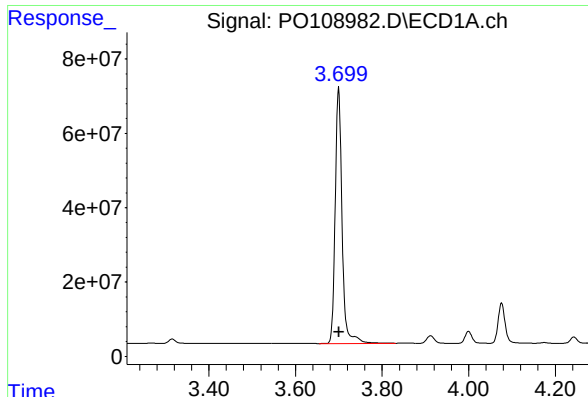
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:47:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 760127664  
Conc: 100.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025

## #1 Tetrachloro-m-xylene

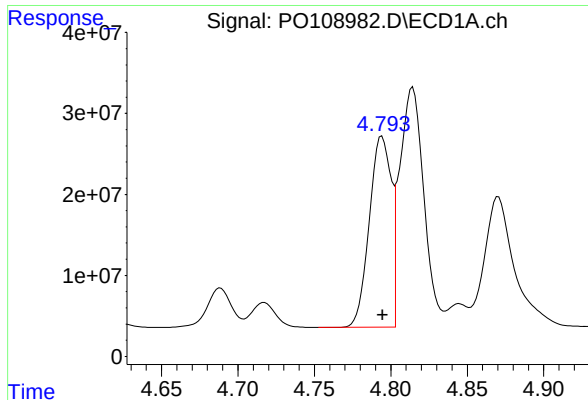
R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 531574623  
Conc: 98.96 ng/ml

## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.002 min  
Response: 643434819  
Conc: 91.25 ng/ml

## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 315654480  
Conc: 89.95 ng/ml



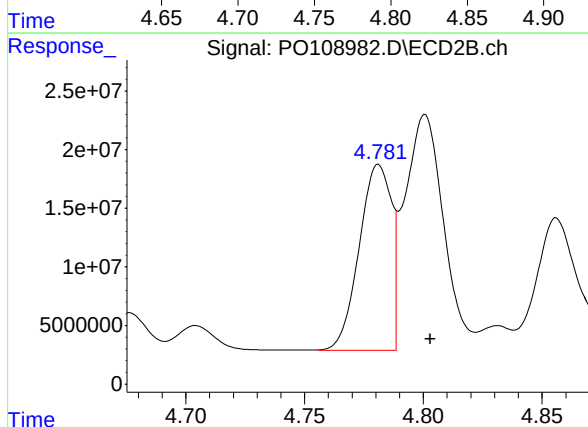
#3 AR-1016-1

R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 233065045  
Conc: 906.54 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

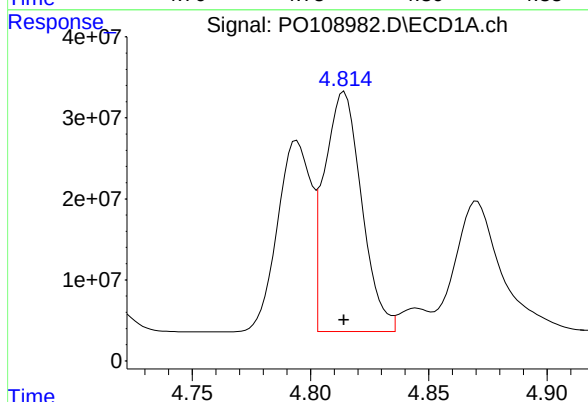
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



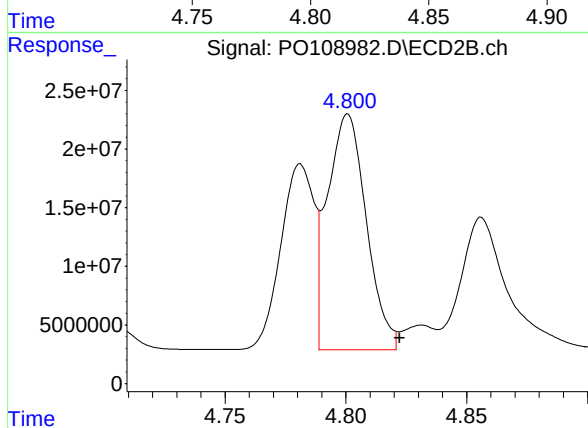
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 145518803  
Conc: 876.53 ng/ml



#4 AR-1016-2

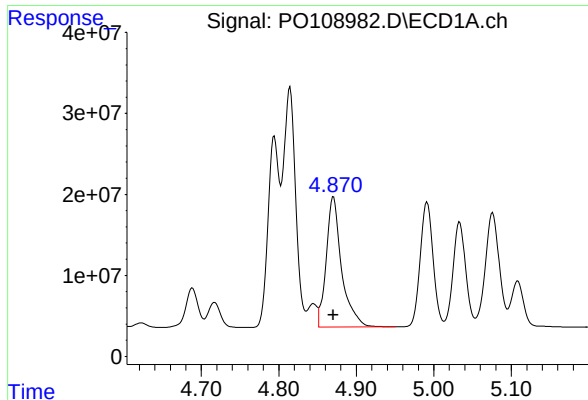
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 325363679  
Conc: 930.23 ng/ml



#4 AR-1016-2

R.T.: 4.800 min  
Delta R.T.: -0.022 min  
Response: 223129267  
Conc: 921.97 ng/ml





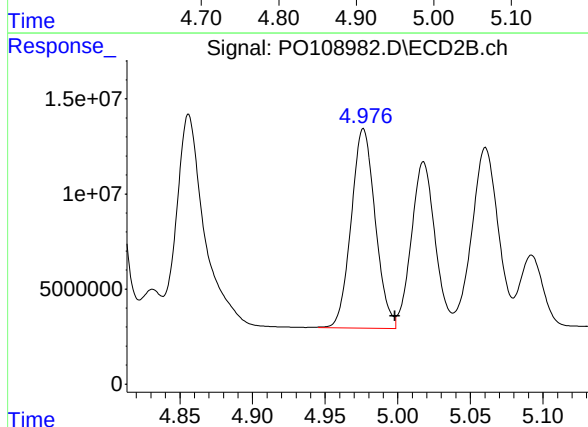
#5 AR-1016-3

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 223049536  
Conc: 894.40 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

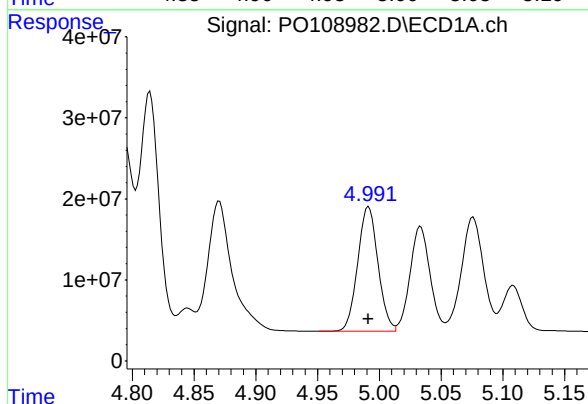
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



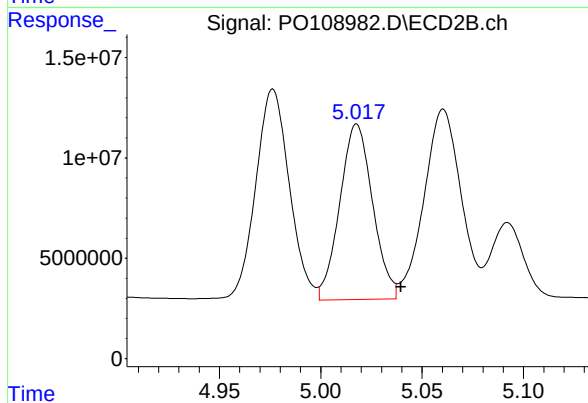
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 121270732  
Conc: 914.18 ng/ml



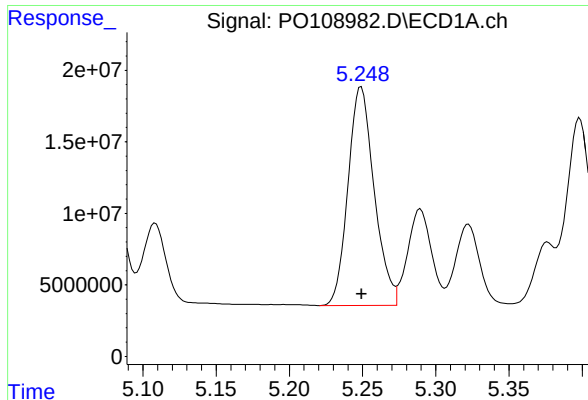
#6 AR-1016-4

R.T.: 4.991 min  
Delta R.T.: 0.000 min  
Response: 175974311  
Conc: 904.55 ng/ml



#6 AR-1016-4

R.T.: 5.017 min  
Delta R.T.: -0.022 min  
Response: 98703058  
Conc: 869.84 ng/ml



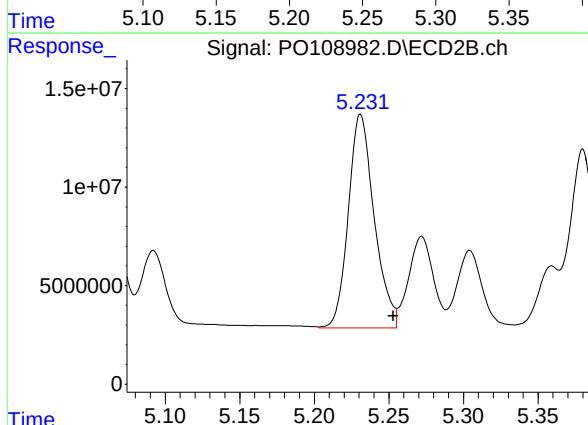
#7 AR-1016-5

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 190134930  
Conc: 890.90 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

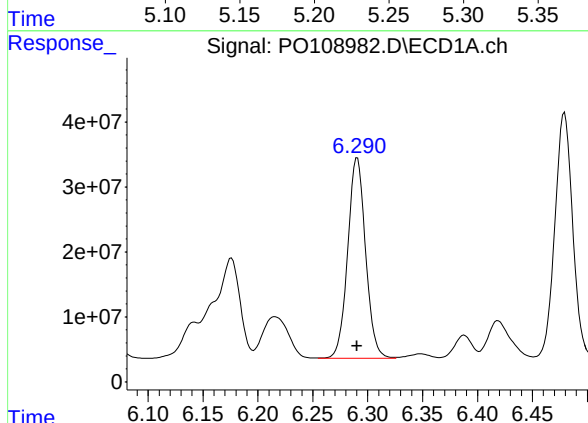
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



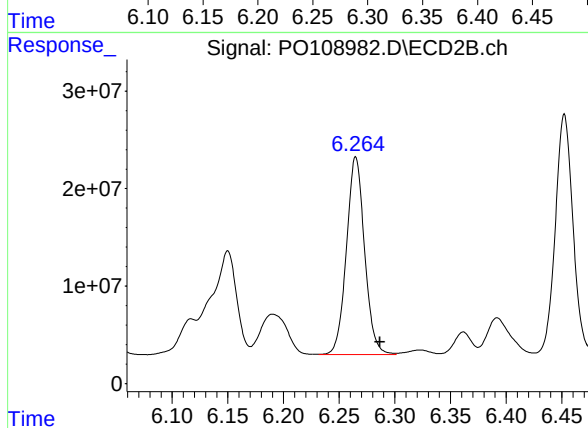
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 130939362  
Conc: 892.60 ng/ml



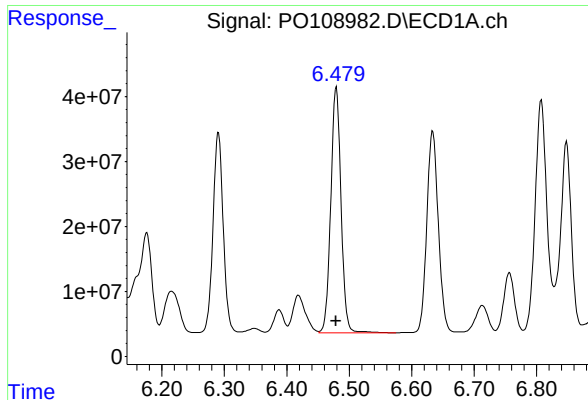
#31 AR-1260-1

R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 348800771  
Conc: 896.10 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.021 min  
Response: 229857010  
Conc: 892.31 ng/ml



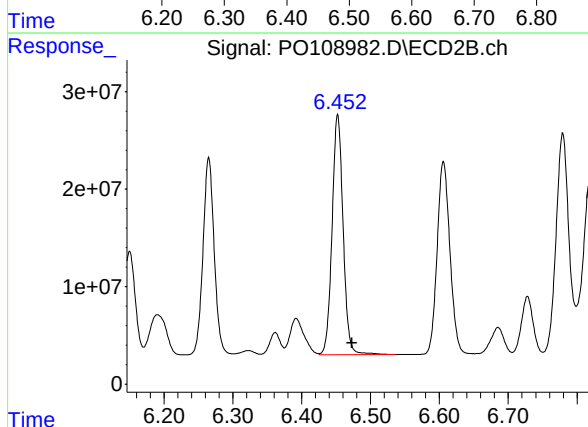
#32 AR-1260-2

R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 430525248  
Conc: 898.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



#32 AR-1260-2

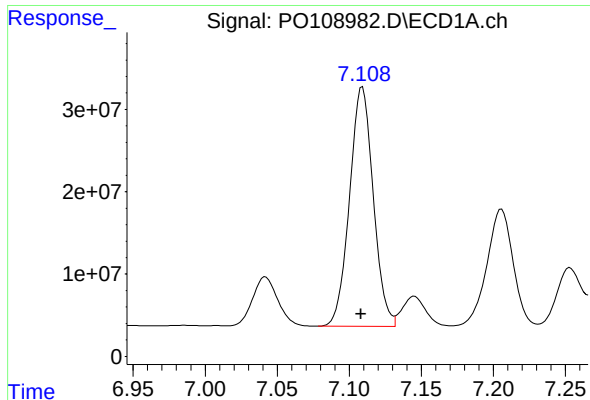
R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 274616892  
Conc: 893.49 ng/ml

#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 359859412  
Conc: 900.80 ng/ml

#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 255547157  
Conc: 899.51 ng/ml



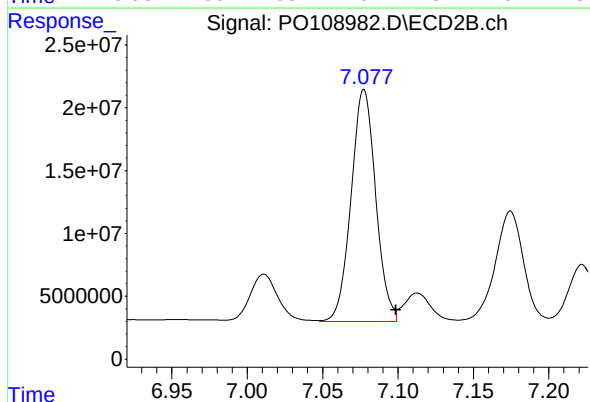
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.001 min  
Response: 332481764  
Conc: 912.59 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

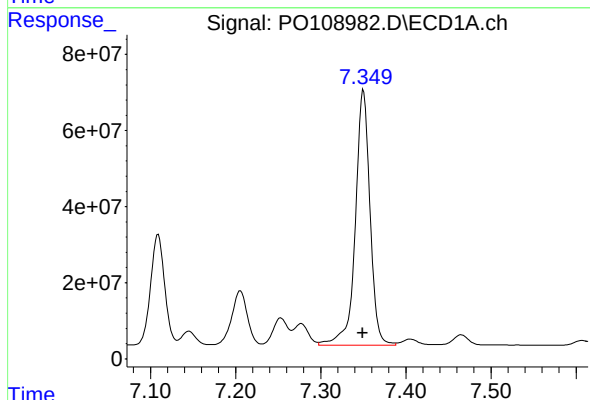
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



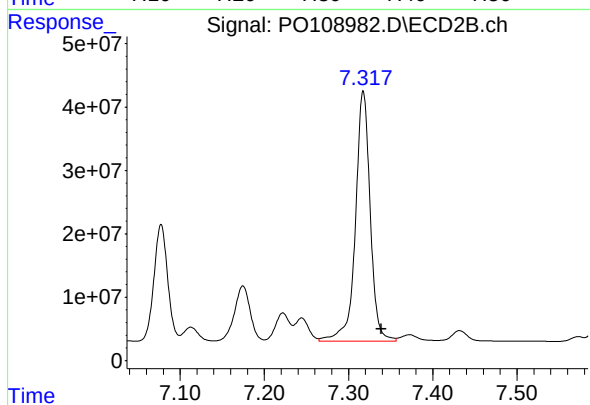
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.022 min  
Response: 210034482  
Conc: 914.96 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.001 min  
Response: 803151986  
Conc: 953.35 ng/ml



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 481178354  
Conc: 951.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108983.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 17:54  
 Operator : YP/AJ  
 Sample : AR1660ICC750  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC750

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 23:33:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 21 23:33:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|---------|----------|---------|----------|
| -----                       |       |       |         |          |         |          |
| System Monitoring Compounds |       |       |         |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 562.6E6 | 407.8E6  | 75.197  | 75.128   |
| 2) SA Decachlor...          | 8.759 | 8.711 | 499.6E6 | 246.7E6  | 73.146  | 72.752   |
| Target Compounds            |       |       |         |          |         |          |
| 3) L1 AR-1016-1             | 4.794 | 4.781 | 183.3E6 | 106.9E6  | 738.396 | 641.644m |
| 4) L1 AR-1016-2             | 4.815 | 4.801 | 254.2E6 | 177.5E6  | 738.377 | 764.540m |
| 5) L1 AR-1016-3             | 4.870 | 4.976 | 176.1E6 | 94589384 | 731.398 | 734.997m |
| 6) L1 AR-1016-4             | 4.992 | 5.019 | 138.4E6 | 78966537 | 732.071 | 722.545m |
| 7) L1 AR-1016-5             | 5.250 | 5.231 | 149.5E6 | 102.2E6  | 721.910 | 721.550m |
| 31) L7 AR-1260-1            | 6.291 | 6.265 | 273.7E6 | 179.9E6  | 728.867 | 727.893  |
| 32) L7 AR-1260-2            | 6.480 | 6.452 | 336.2E6 | 212.7E6  | 728.076 | 728.539  |
| 33) L7 AR-1260-3            | 6.848 | 6.606 | 283.7E6 | 198.4E6  | 734.127 | 728.042  |
| 34) L7 AR-1260-4            | 7.108 | 7.077 | 260.5E6 | 162.0E6  | 734.371 | 728.324m |
| 35) L7 AR-1260-5            | 7.349 | 7.317 | 622.5E6 | 369.5E6  | 746.642 | 739.029  |
| -----                       |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108983.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 17:54  
Operator : YP/AJ  
Sample : AR1660ICC750  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC750

## Manual Integrations

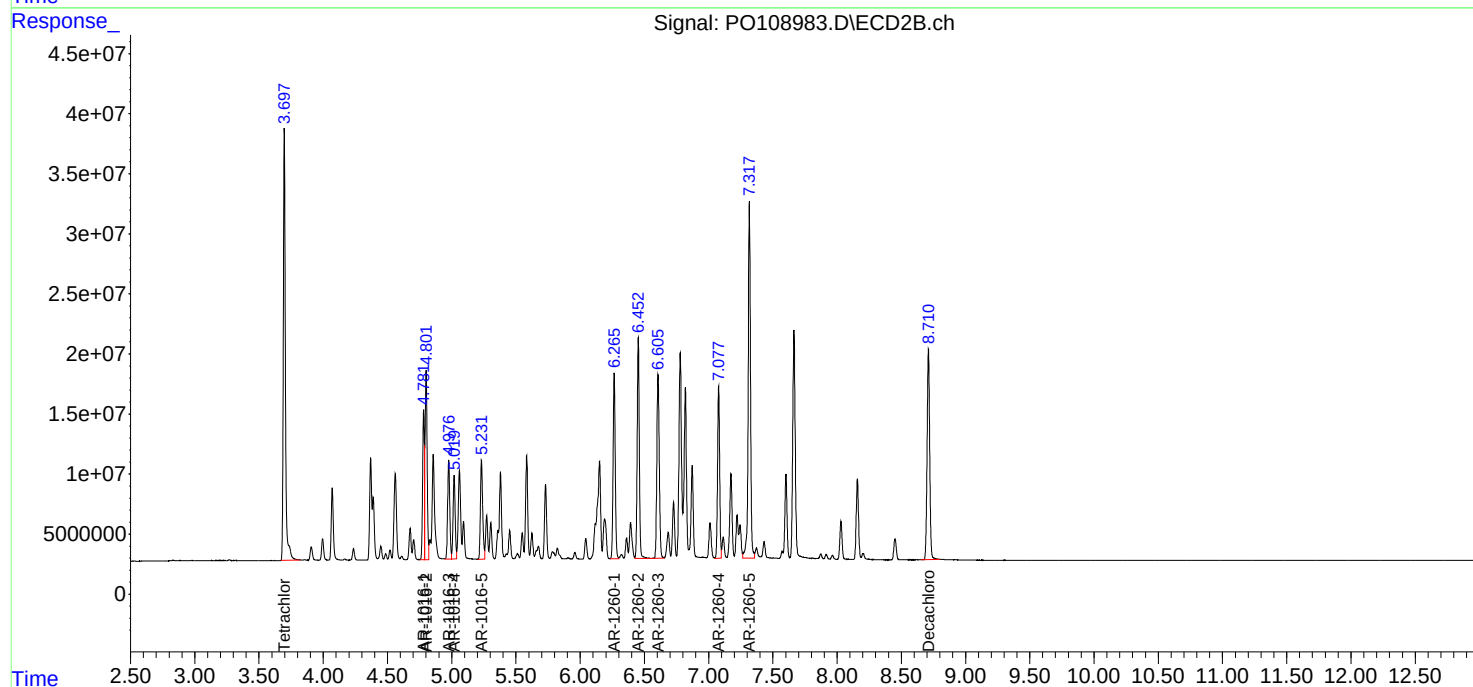
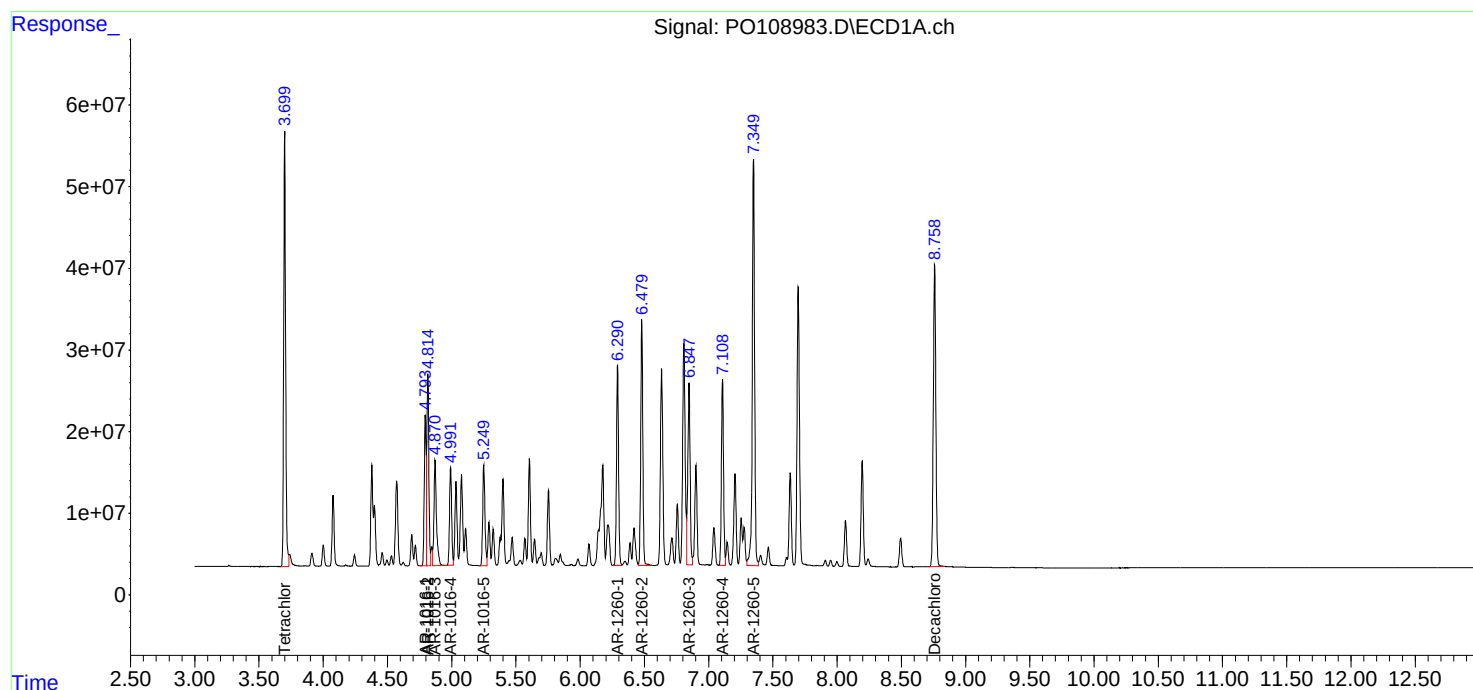
APPROVED

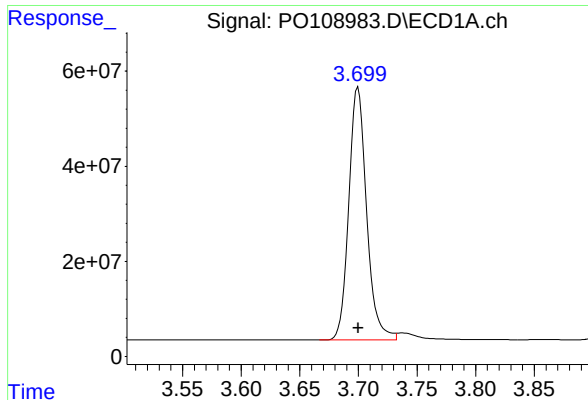
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:33:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





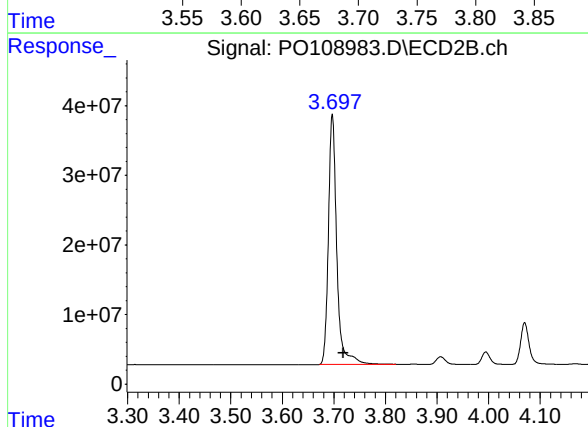
## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 562595921  
Conc: 75.20 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

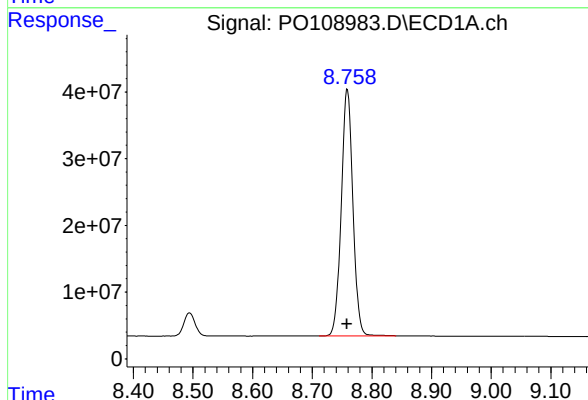
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



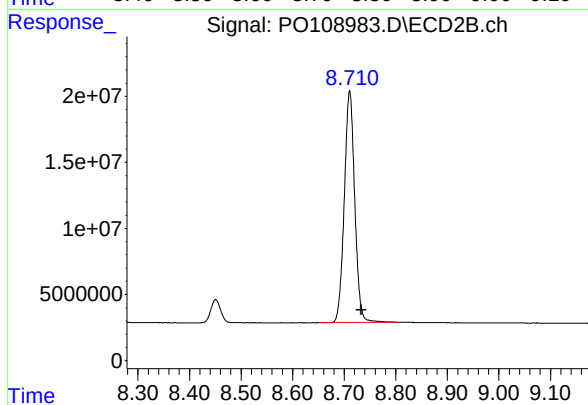
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.021 min  
Response: 407812357  
Conc: 75.13 ng/ml



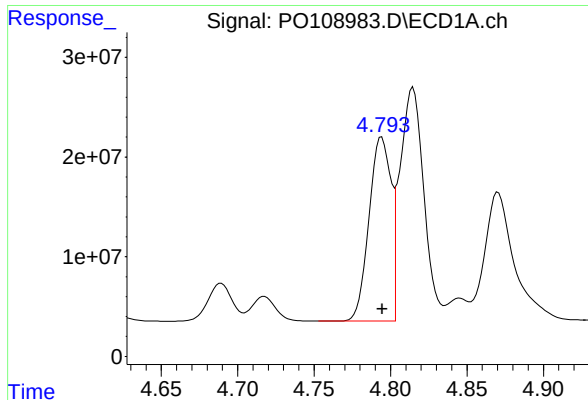
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 499592384  
Conc: 73.15 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 246726052  
Conc: 72.75 ng/ml



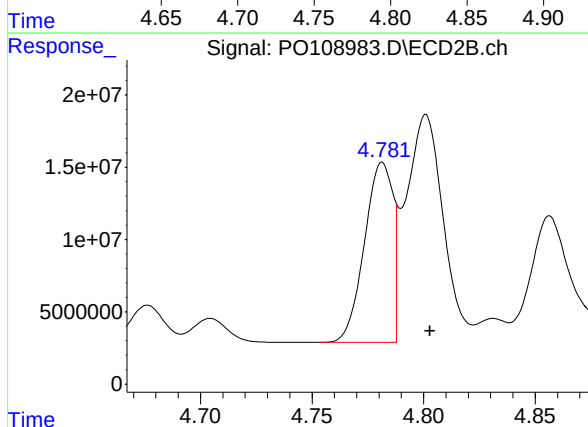
#3 AR-1016-1

R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 183307514  
Conc: 738.40 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

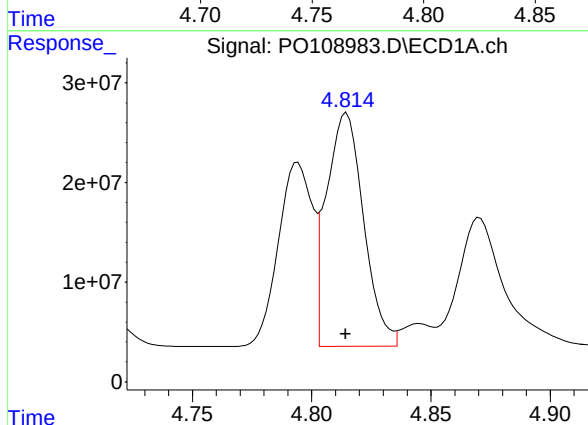
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



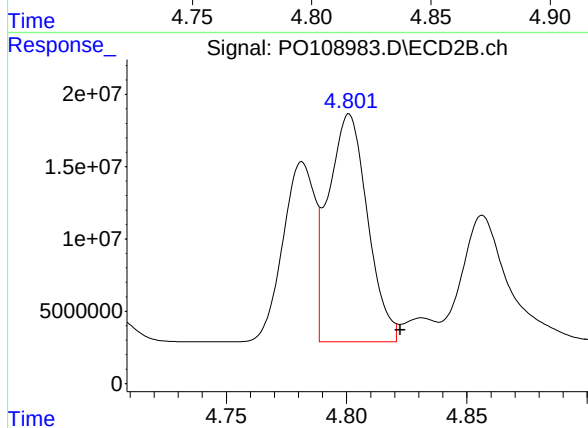
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 106929787  
Conc: 641.64 ng/ml



#4 AR-1016-2

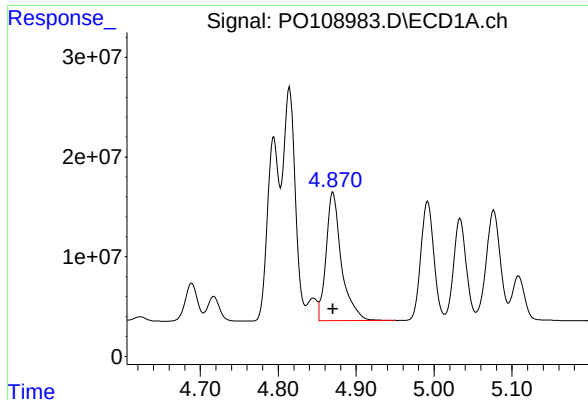
R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 254229574  
Conc: 738.38 ng/ml



#4 AR-1016-2

R.T.: 4.801 min  
Delta R.T.: -0.022 min  
Response: 177466692  
Conc: 764.54 ng/ml





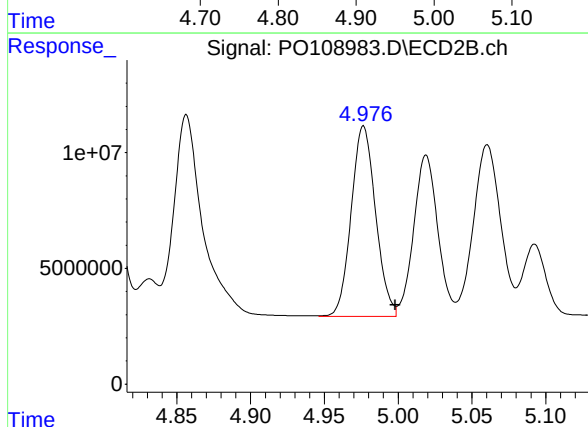
#5 AR-1016-3

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 176101285  
Conc: 731.40 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

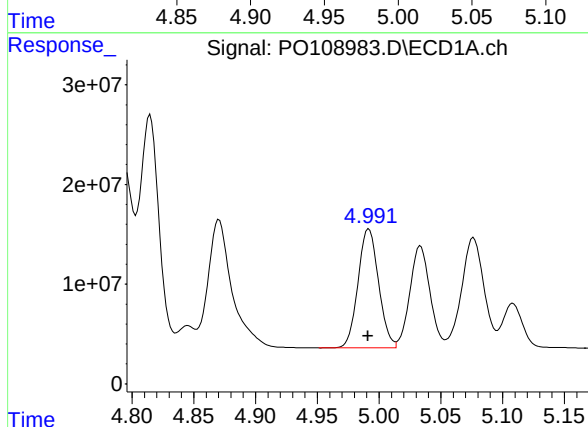
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



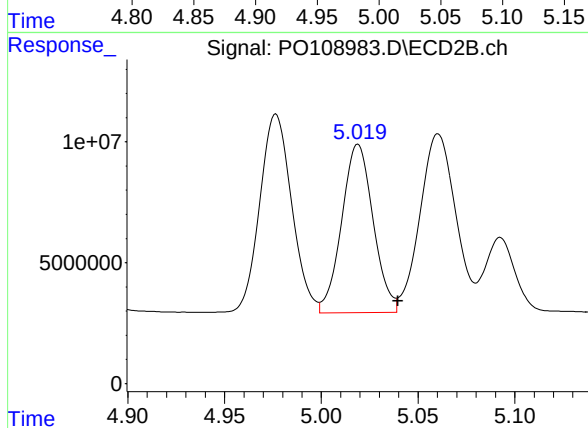
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 94589384  
Conc: 735.00 ng/ml



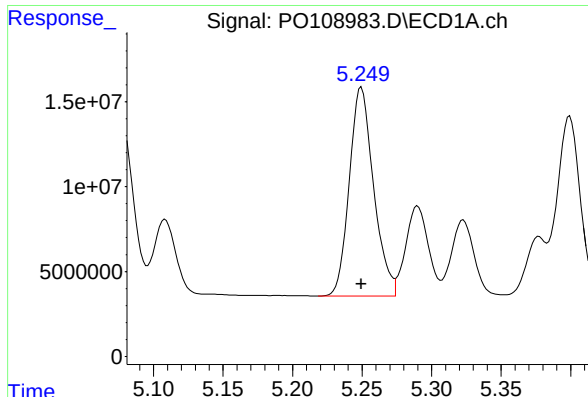
#6 AR-1016-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 138434749  
Conc: 732.07 ng/ml



#6 AR-1016-4

R.T.: 5.019 min  
Delta R.T.: -0.021 min  
Response: 78966537  
Conc: 722.54 ng/ml



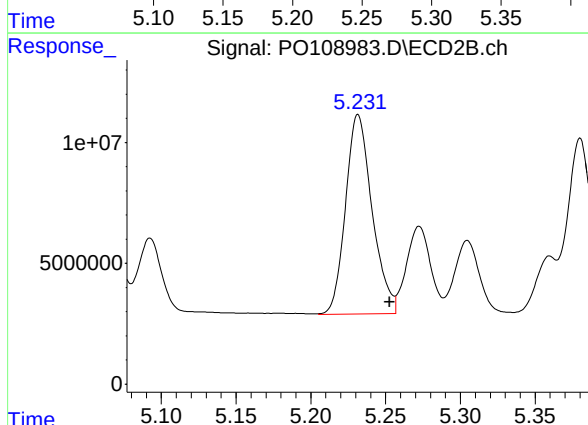
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 149483404  
Conc: 721.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

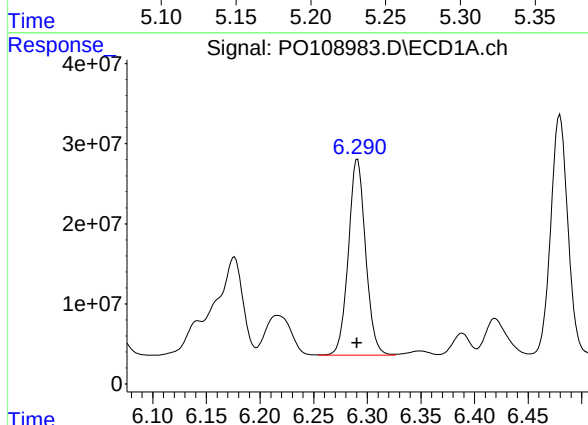
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



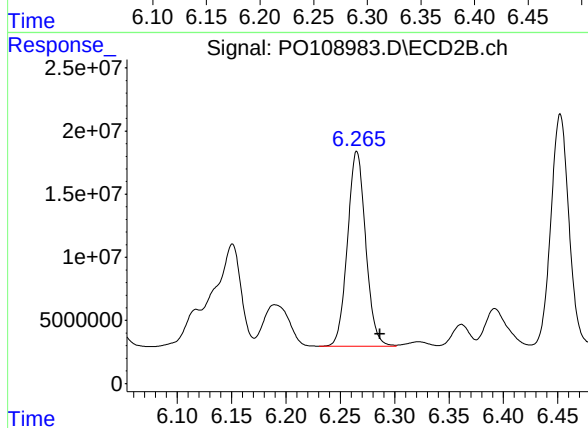
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 102239961  
Conc: 721.55 ng/ml



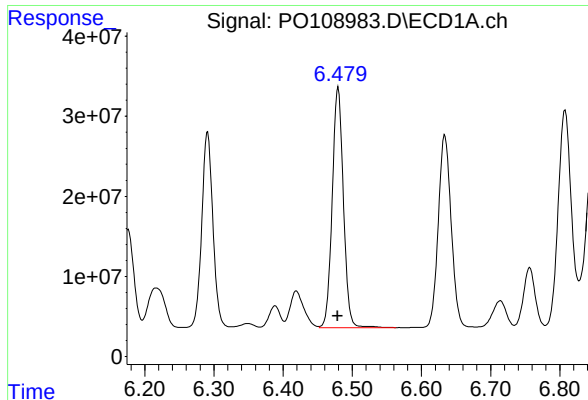
#31 AR-1260-1

R.T.: 6.291 min  
Delta R.T.: 0.000 min  
Response: 273662074  
Conc: 728.87 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.021 min  
Response: 179948264  
Conc: 727.89 ng/ml



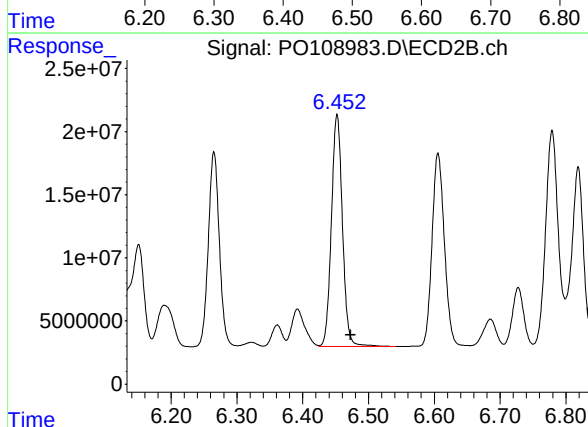
#32 AR-1260-2

R.T.: 6.480 min  
Delta R.T.: 0.000 min  
Response: 336207385  
Conc: 728.08 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

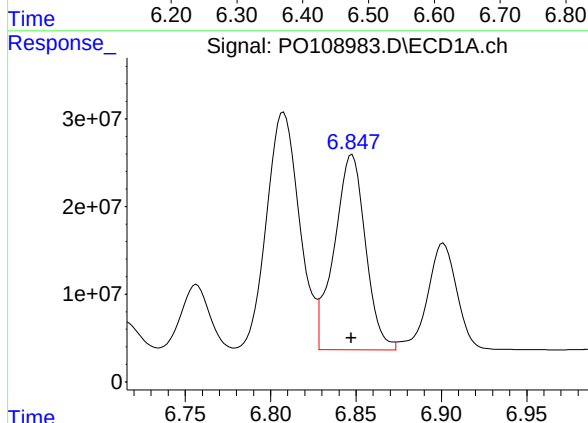
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



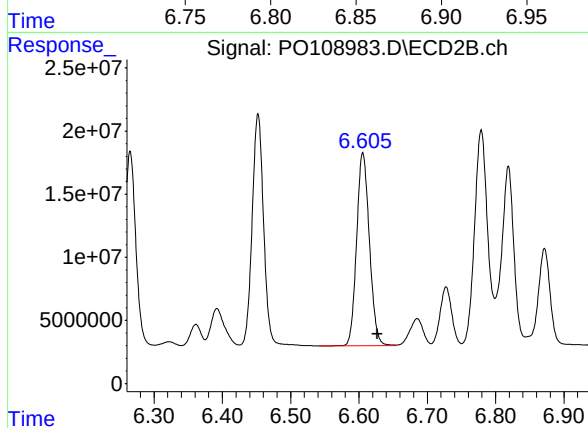
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 212653494  
Conc: 728.54 ng/ml



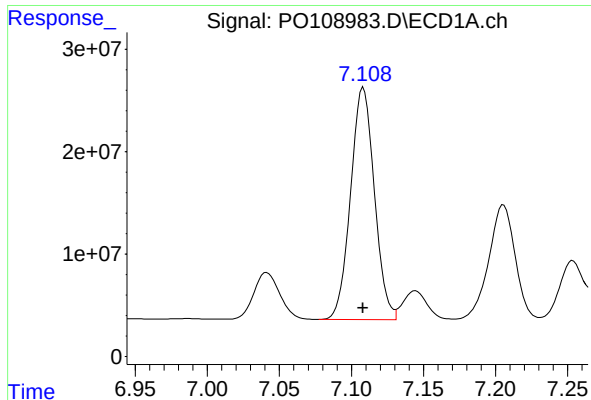
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 283748548  
Conc: 734.13 ng/ml



#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 198413225  
Conc: 728.04 ng/ml



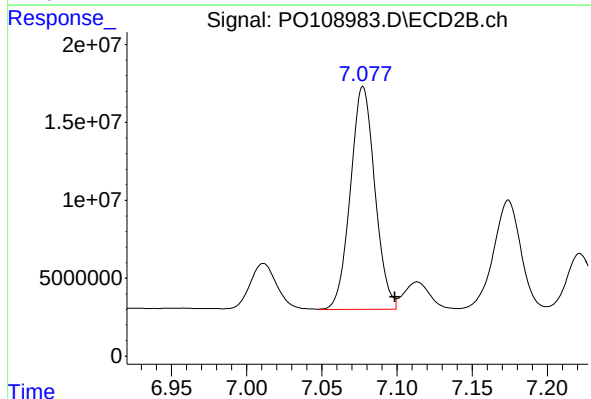
#34 AR-1260-4

R.T.: 7.108 min  
Delta R.T.: 0.000 min  
Response: 260469489  
Conc: 734.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

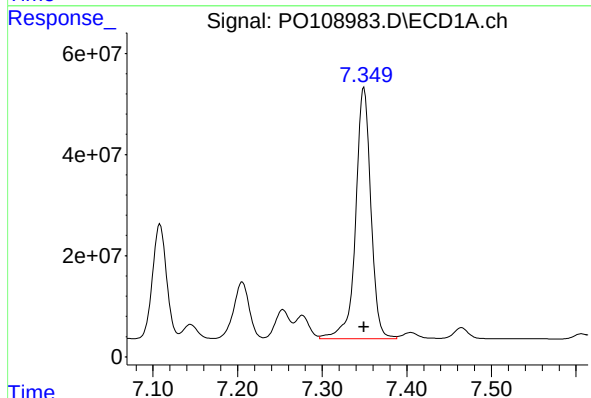
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



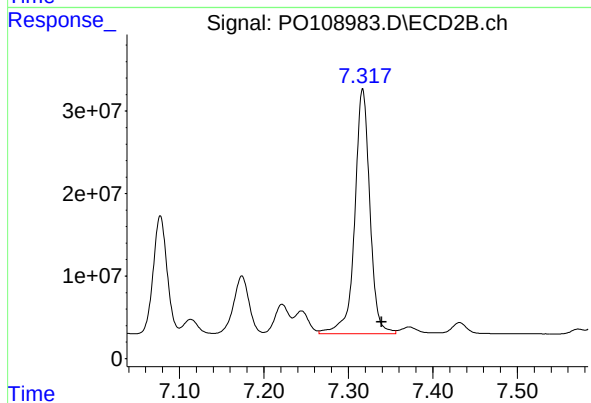
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.022 min  
Response: 162025007  
Conc: 728.32 ng/ml



#35 AR-1260-5

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 622528683  
Conc: 746.64 ng/ml



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 369499488  
Conc: 739.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108984.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 18:13  
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: Jan 21 23:34:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.718 | 374.1E6  | 271.4E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.758 | 8.733 | 341.5E6  | 169.6E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 3) L1 AR-1016-1             | 4.795 | 4.803 | 124.1E6  | 83324845 | 500.000 | 500.000 |
| 4) L1 AR-1016-2             | 4.814 | 4.822 | 172.2E6  | 116.1E6  | 500.000 | 500.000 |
| 5) L1 AR-1016-3             | 4.870 | 4.998 | 120.4E6  | 64346821 | 500.000 | 500.000 |
| 6) L1 AR-1016-4             | 4.991 | 5.040 | 94550095 | 54644720 | 500.000 | 500.000 |
| 7) L1 AR-1016-5             | 5.249 | 5.253 | 103.5E6  | 70847444 | 500.000 | 500.000 |
| 31) L7 AR-1260-1            | 6.290 | 6.286 | 187.7E6  | 123.6E6  | 500.000 | 500.000 |
| 32) L7 AR-1260-2            | 6.479 | 6.473 | 230.9E6  | 145.9E6  | 500.000 | 500.000 |
| 33) L7 AR-1260-3            | 6.847 | 6.627 | 193.3E6  | 136.3E6  | 500.000 | 500.000 |
| 34) L7 AR-1260-4            | 7.108 | 7.099 | 177.3E6  | 111.2E6  | 500.000 | 500.000 |
| 35) L7 AR-1260-5            | 7.349 | 7.339 | 416.9E6  | 250.0E6  | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

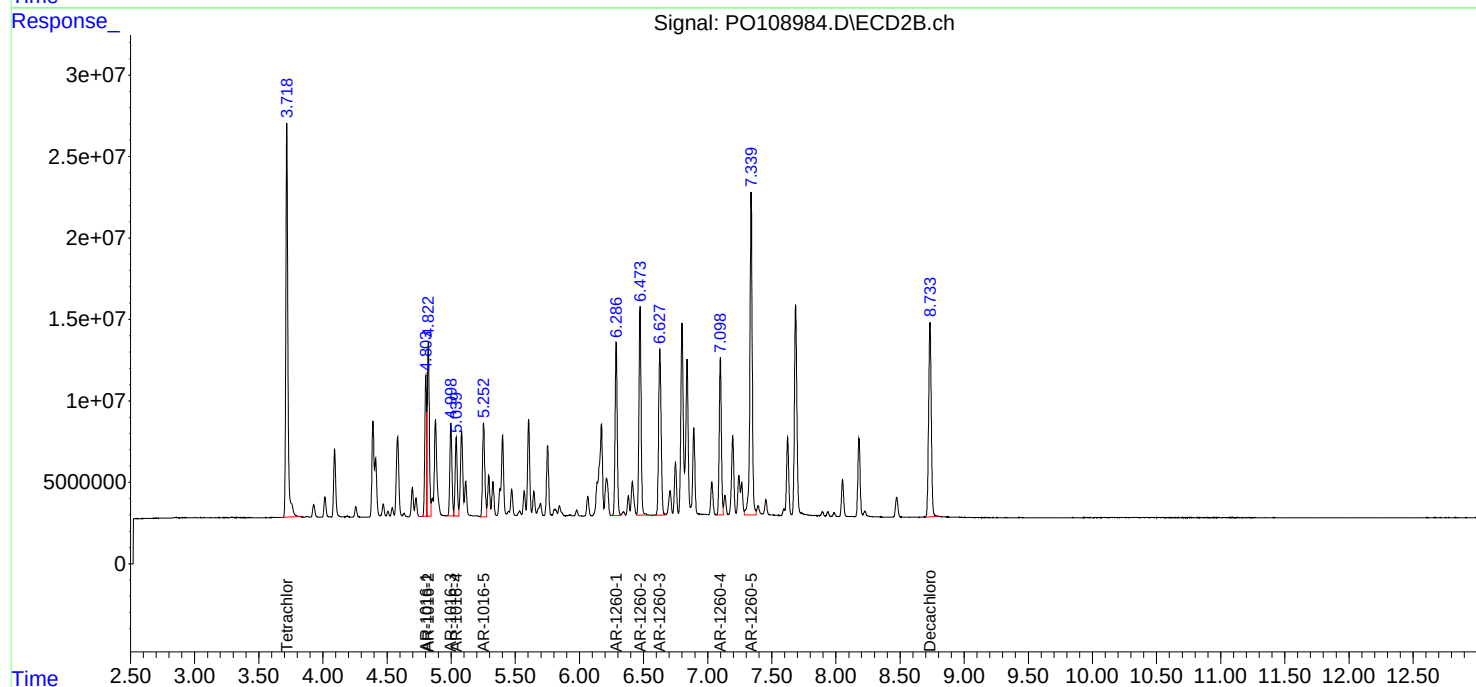
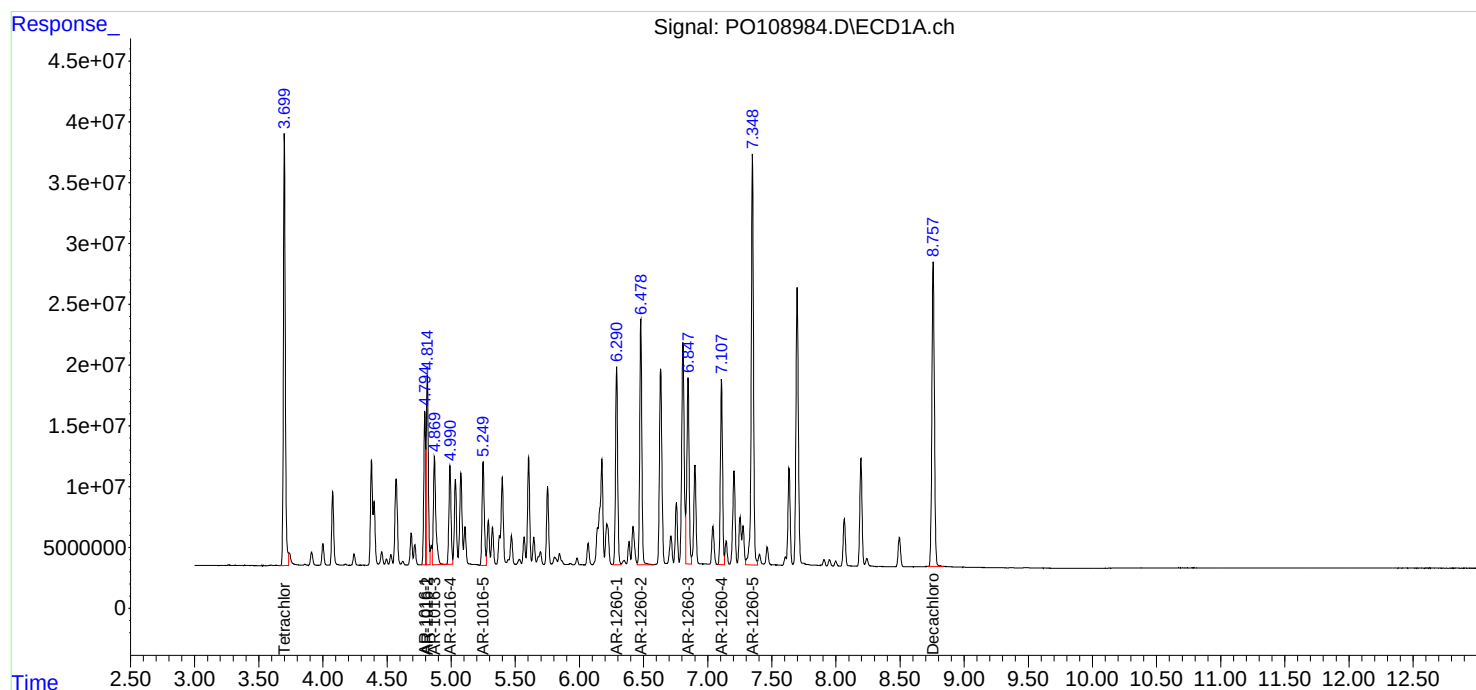
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

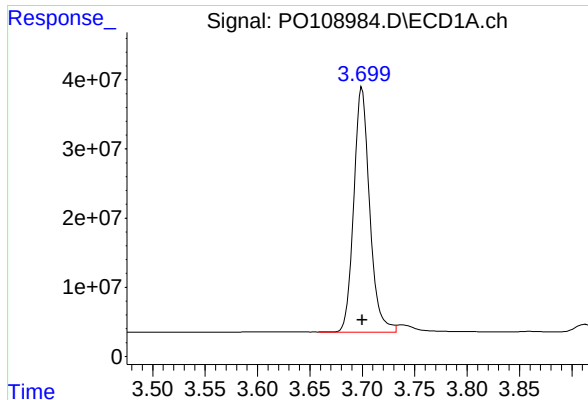
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108984.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 18:13  
Operator : YP/AJ  
Sample : AR1660ICC500  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:34:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

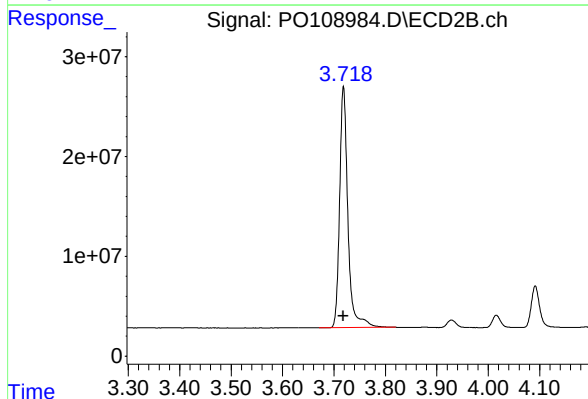




## #1 Tetrachloro-m-xylene

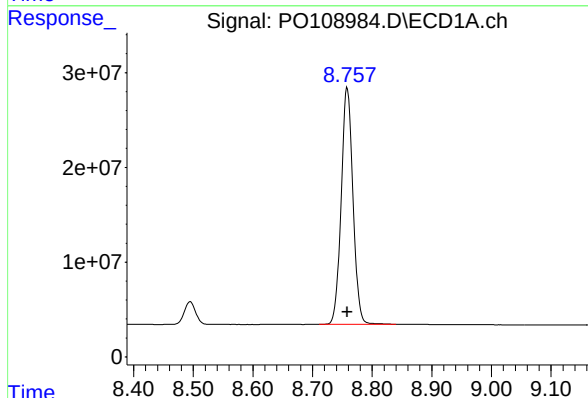
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 374083794  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



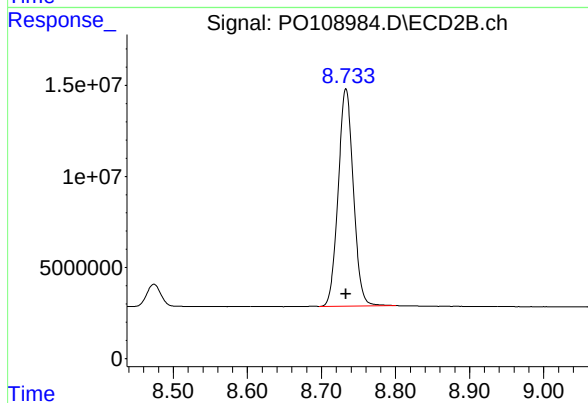
## #1 Tetrachloro-m-xylene

R.T.: 3.718 min  
Delta R.T.: 0.000 min  
Response: 271410372  
Conc: 50.00 ng/ml



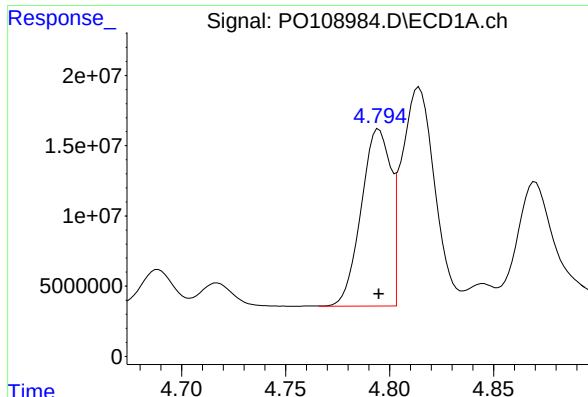
## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: 0.000 min  
Response: 341505557  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

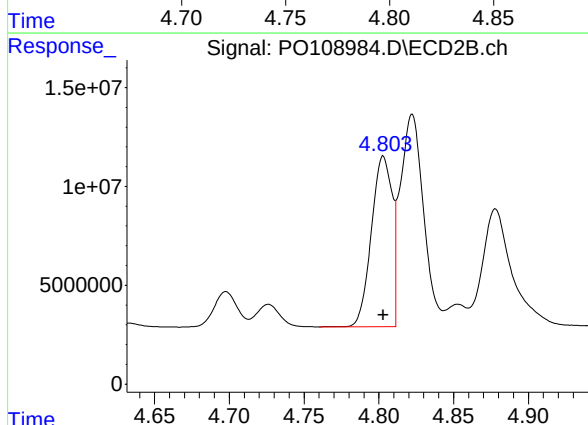
R.T.: 8.733 min  
Delta R.T.: 0.000 min  
Response: 169566604  
Conc: 50.00 ng/ml



#3 AR-1016-1

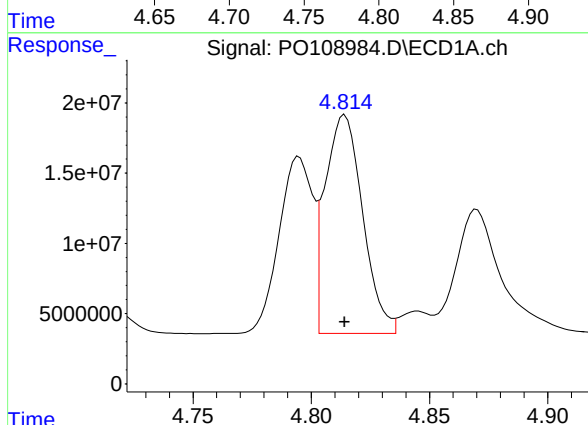
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 124125451  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



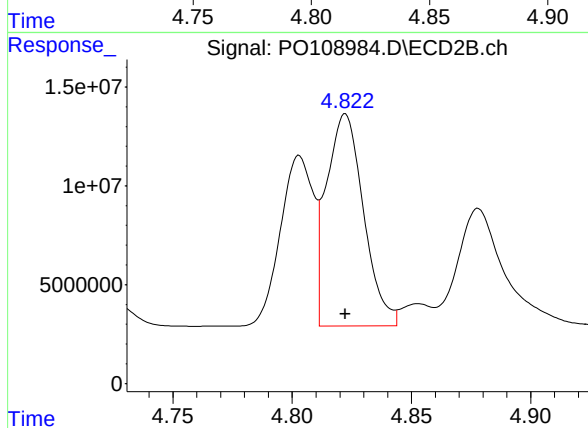
#3 AR-1016-1

R.T.: 4.803 min  
Delta R.T.: 0.000 min  
Response: 83324845  
Conc: 500.00 ng/ml



#4 AR-1016-2

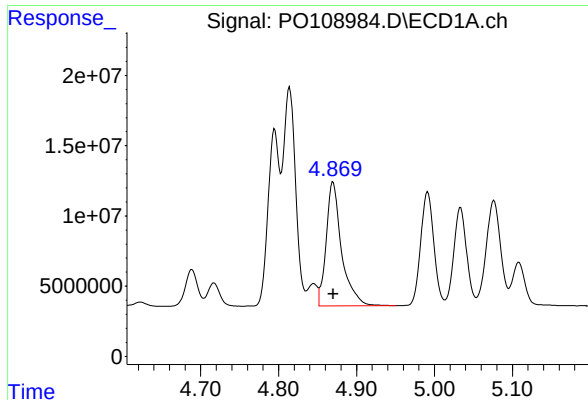
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 172154278  
Conc: 500.00 ng/ml



#4 AR-1016-2

R.T.: 4.822 min  
Delta R.T.: 0.000 min  
Response: 116061068  
Conc: 500.00 ng/ml

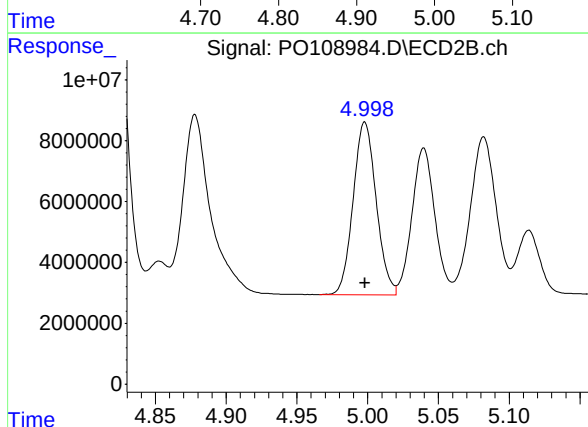




#5 AR-1016-3

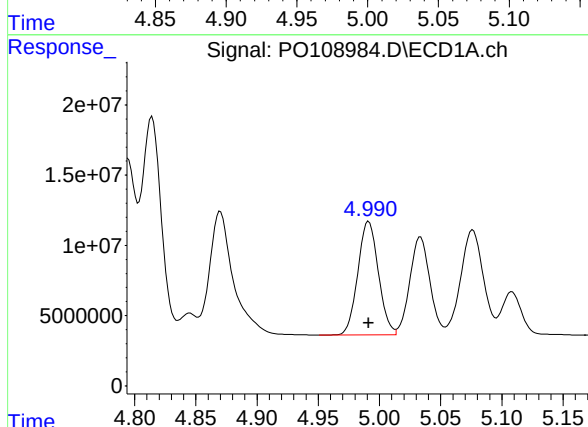
R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 120386830  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



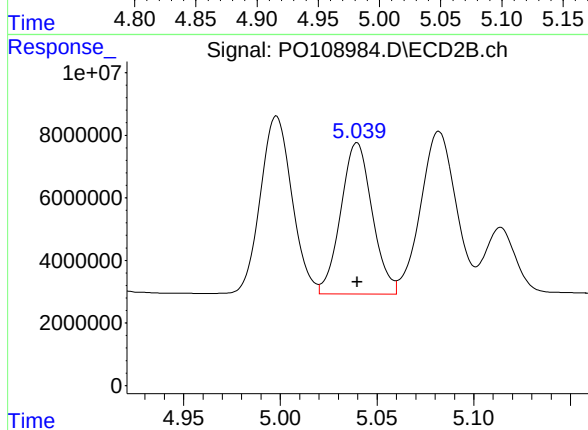
#5 AR-1016-3

R.T.: 4.998 min  
Delta R.T.: 0.000 min  
Response: 64346821  
Conc: 500.00 ng/ml



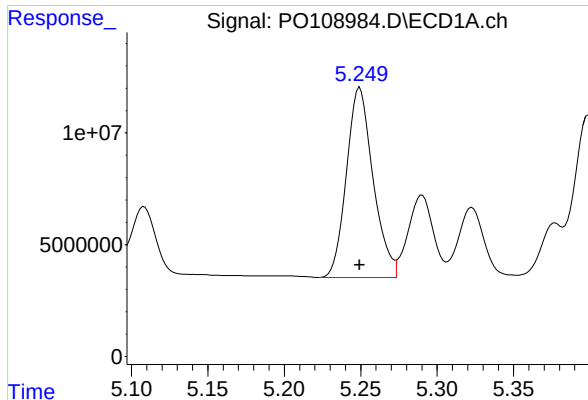
#6 AR-1016-4

R.T.: 4.991 min  
Delta R.T.: 0.000 min  
Response: 94550095  
Conc: 500.00 ng/ml



#6 AR-1016-4

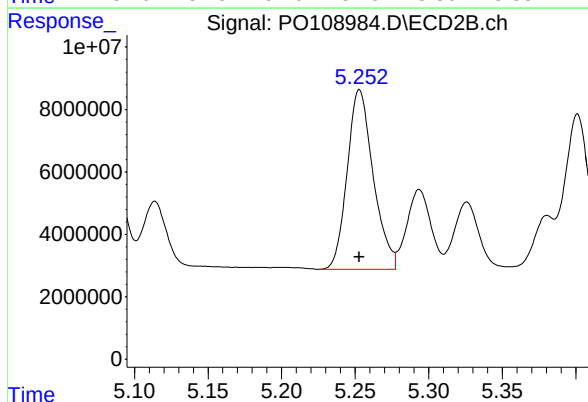
R.T.: 5.040 min  
Delta R.T.: 0.000 min  
Response: 54644720  
Conc: 500.00 ng/ml



#7 AR-1016-5

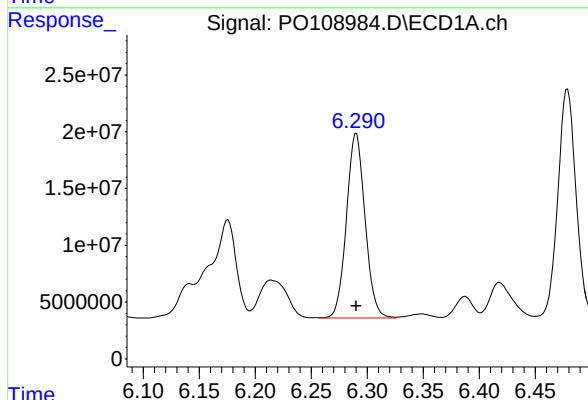
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 103533247  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



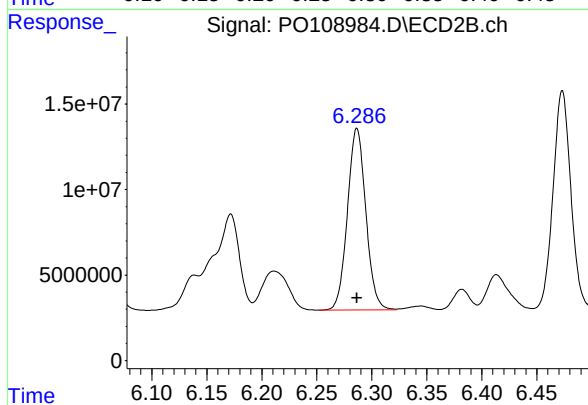
#7 AR-1016-5

R.T.: 5.253 min  
Delta R.T.: 0.000 min  
Response: 70847444  
Conc: 500.00 ng/ml



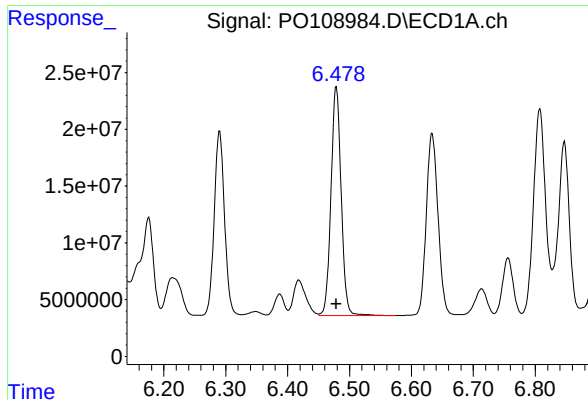
#31 AR-1260-1

R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 187731229  
Conc: 500.00 ng/ml



#31 AR-1260-1

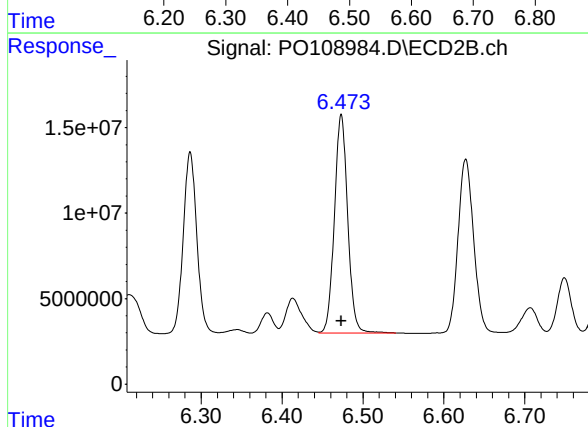
R.T.: 6.286 min  
Delta R.T.: 0.000 min  
Response: 123608992  
Conc: 500.00 ng/ml



#32 AR-1260-2

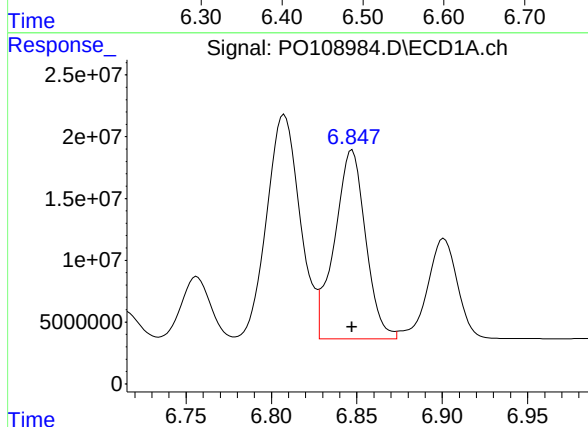
R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 230887473  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



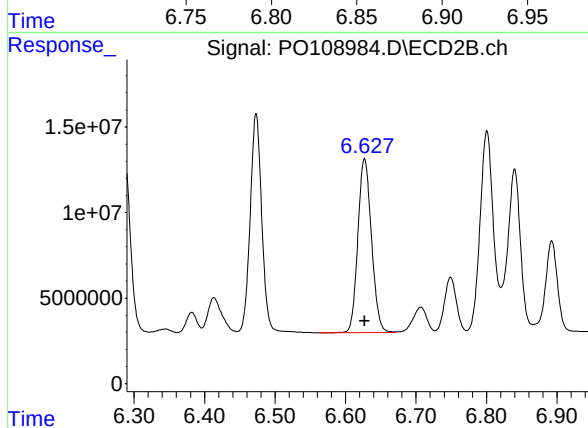
#32 AR-1260-2

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 145945157  
Conc: 500.00 ng/ml



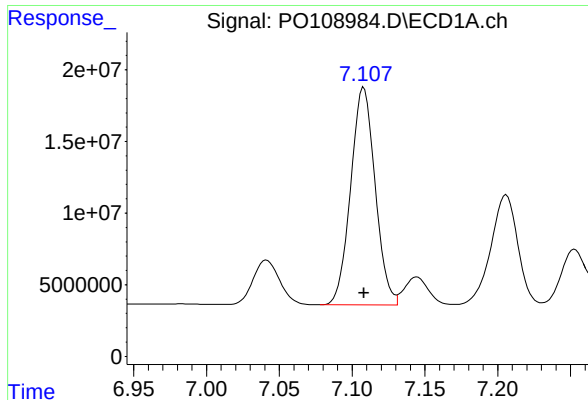
#33 AR-1260-3

R.T.: 6.847 min  
Delta R.T.: 0.000 min  
Response: 193255697  
Conc: 500.00 ng/ml



#33 AR-1260-3

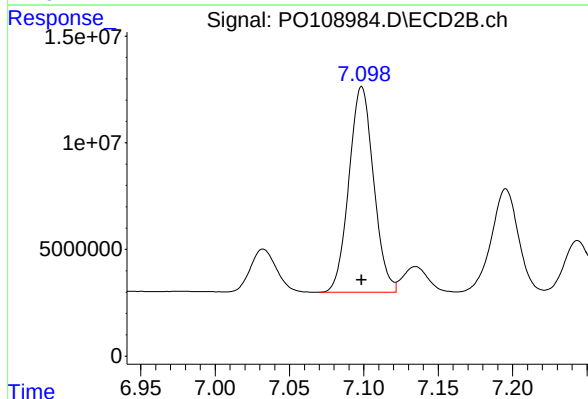
R.T.: 6.627 min  
Delta R.T.: 0.000 min  
Response: 136265049  
Conc: 500.00 ng/ml



#34 AR-1260-4

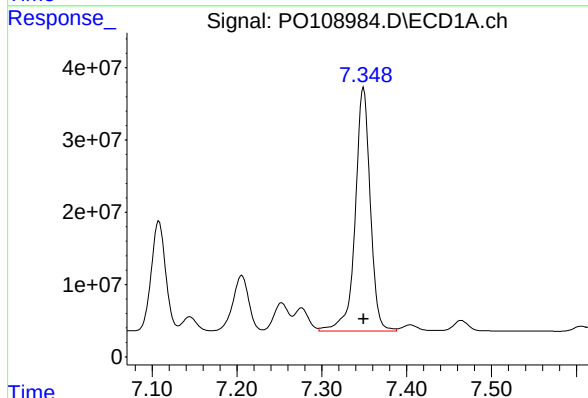
R.T.: 7.108 min  
Delta R.T.: 0.000 min  
Response: 177341834  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



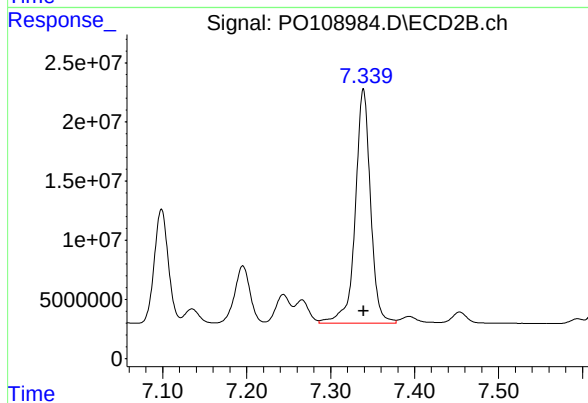
#34 AR-1260-4

R.T.: 7.099 min  
Delta R.T.: 0.000 min  
Response: 111231415  
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 416885589  
Conc: 500.00 ng/ml



#35 AR-1260-5

R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 249989954  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108985.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 18:31  
 Operator : YP/AJ  
 Sample : AR1660ICC250  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC250

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
 Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 23:34:19 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 21 23:33:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 191.1E6  | 136.6E6  | 25.543  | 25.156   |
| 2) SA Decachlor...          | 8.759 | 8.710 | 179.7E6  | 90584588 | 26.311  | 26.711   |
| Target Compounds            |       |       |          |          |         |          |
| 3) L1 AR-1016-1             | 4.795 | 4.781 | 65952553 | 43225043 | 265.669 | 259.377m |
| 4) L1 AR-1016-2             | 4.814 | 4.801 | 89499178 | 62502829 | 259.939 | 269.267m |
| 5) L1 AR-1016-3             | 4.870 | 4.976 | 64328356 | 34543905 | 267.174 | 268.420m |
| 6) L1 AR-1016-4             | 4.992 | 5.018 | 49746771 | 30162647 | 263.071 | 275.989m |
| 7) L1 AR-1016-5             | 5.250 | 5.231 | 55736789 | 38791179 | 269.173 | 273.766m |
| 31) L7 AR-1260-1            | 6.291 | 6.265 | 99983156 | 66351828 | 266.293 | 268.394  |
| 32) L7 AR-1260-2            | 6.479 | 6.452 | 122.1E6  | 78703206 | 264.318 | 269.633  |
| 33) L7 AR-1260-3            | 6.848 | 6.606 | 102.0E6  | 72092726 | 264.008 | 264.531  |
| 34) L7 AR-1260-4            | 7.109 | 7.077 | 93237919 | 58494493 | 262.876 | 262.941m |
| 35) L7 AR-1260-5            | 7.349 | 7.318 | 213.4E6  | 128.7E6  | 255.933 | 257.329  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108985.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 18:31  
Operator : YP/AJ  
Sample : AR1660ICC250  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

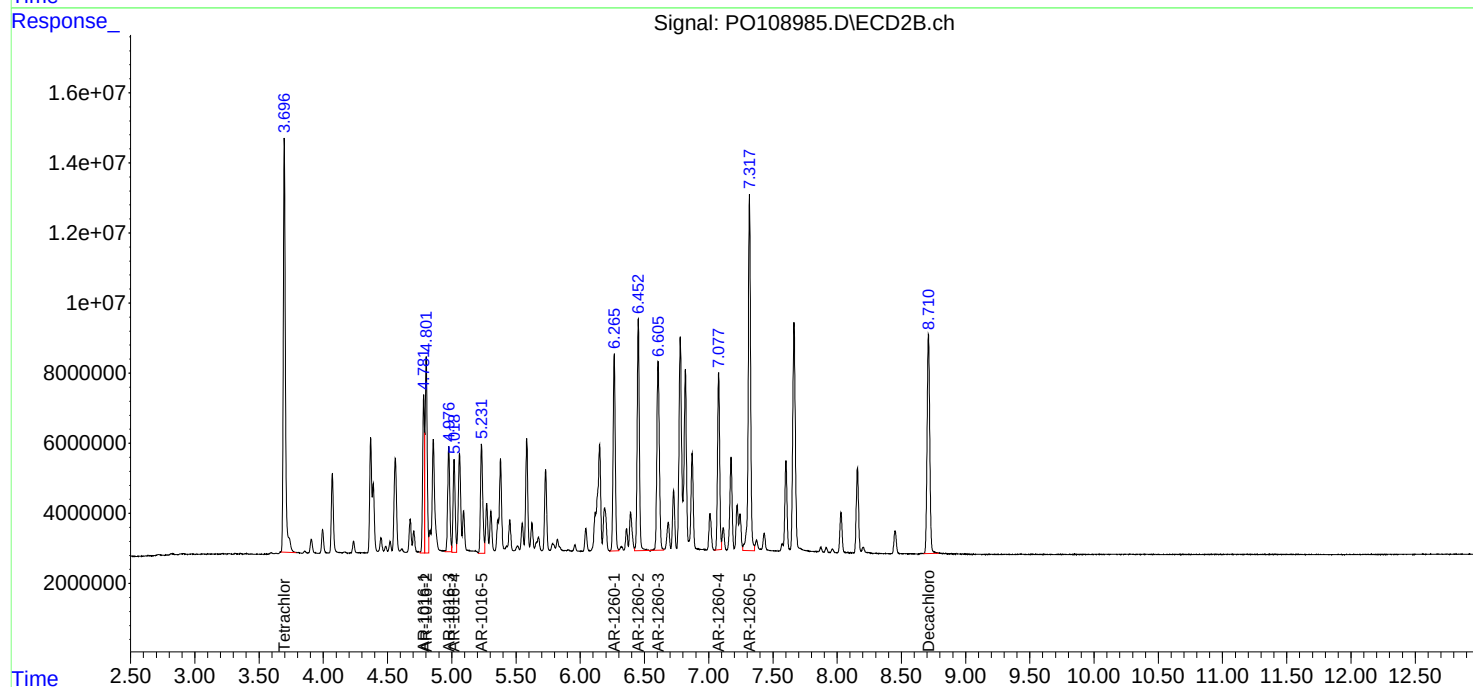
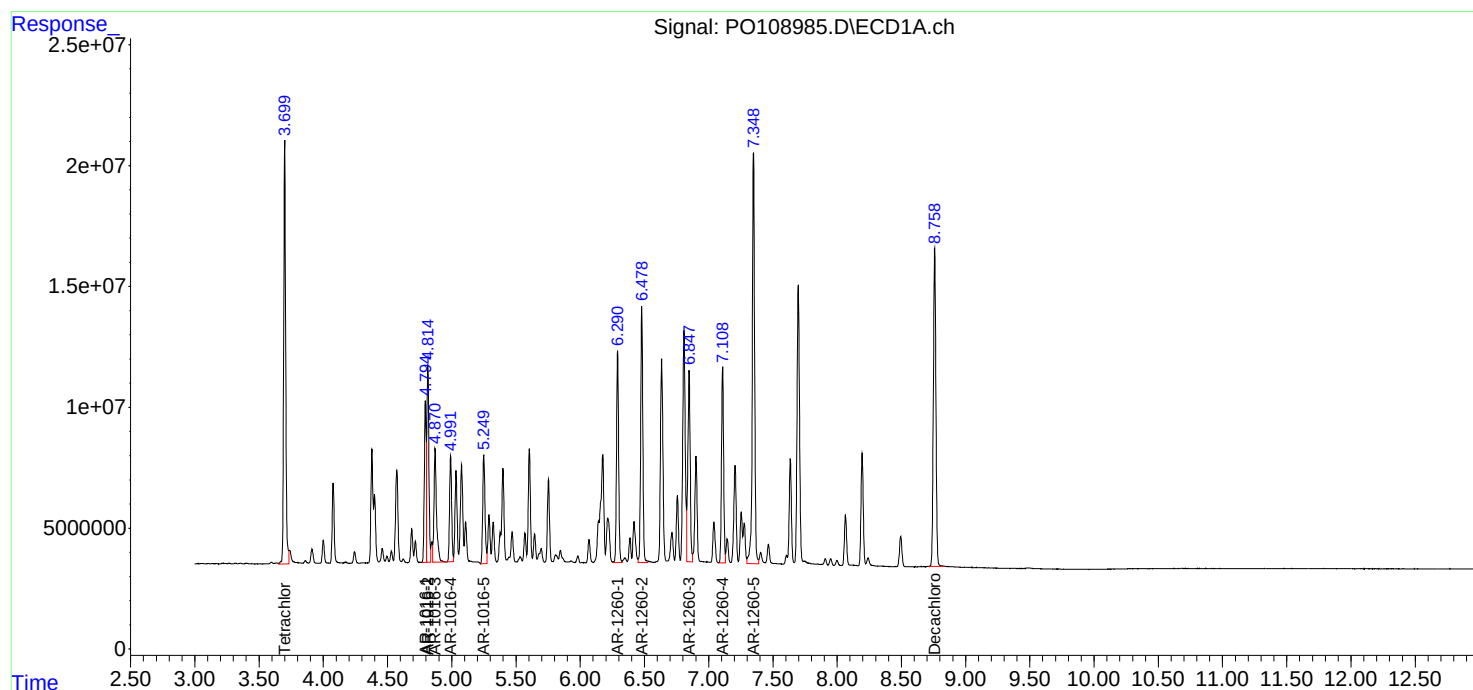
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

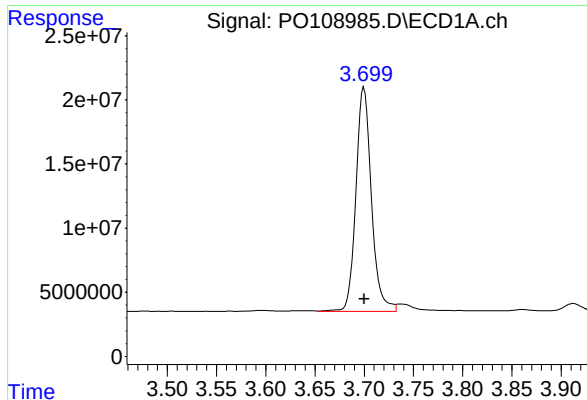
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:34:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





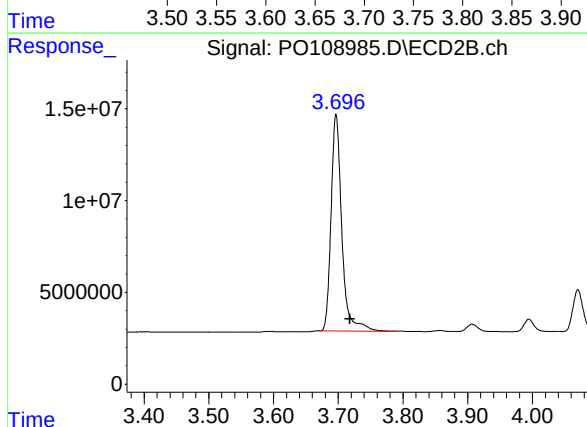
## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 191102737  
Conc: 25.54 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

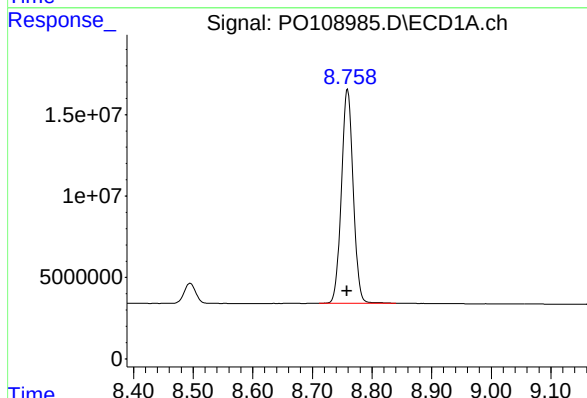
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



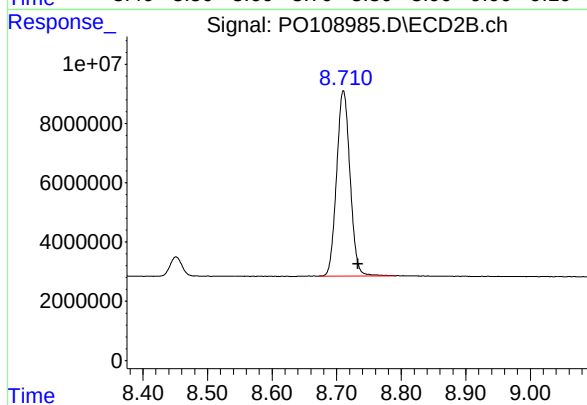
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.022 min  
Response: 136551977  
Conc: 25.16 ng/ml



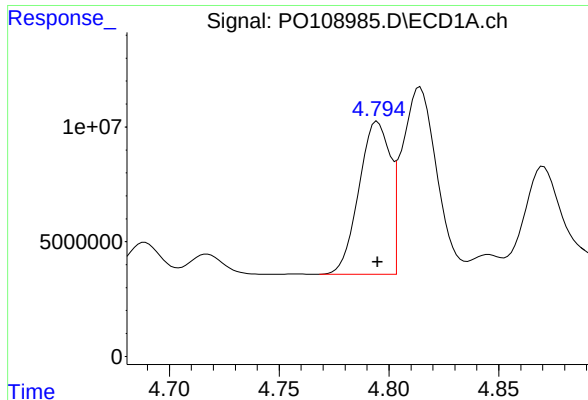
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 179710422  
Conc: 26.31 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.710 min  
Delta R.T.: -0.023 min  
Response: 90584588  
Conc: 26.71 ng/ml



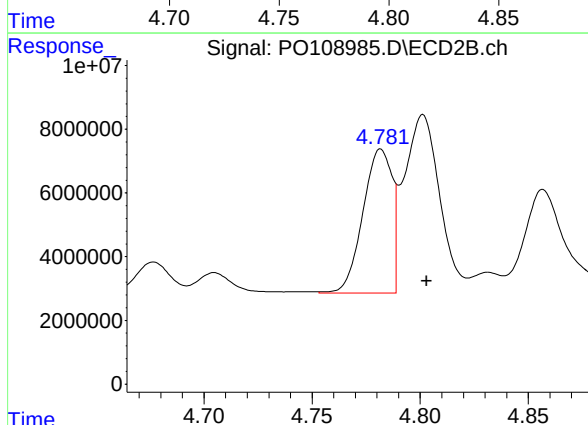
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 65952553  
Conc: 265.67 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

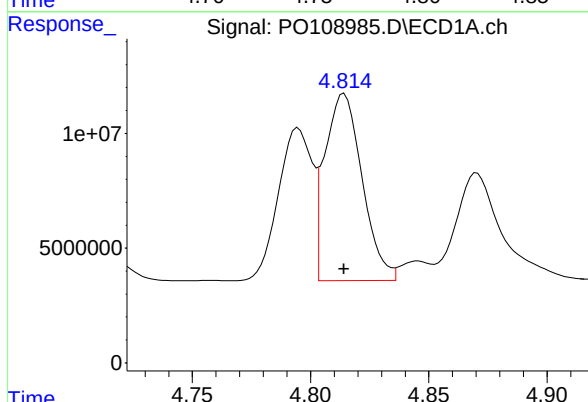
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



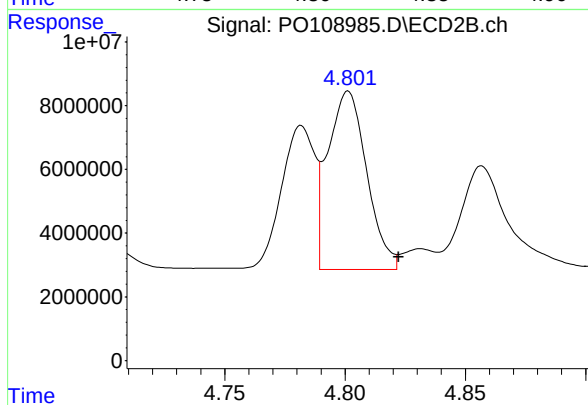
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 43225043  
Conc: 259.38 ng/ml



#4 AR-1016-2

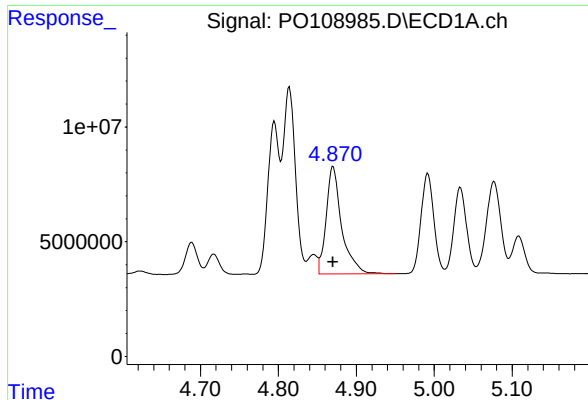
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 89499178  
Conc: 259.94 ng/ml



#4 AR-1016-2

R.T.: 4.801 min  
Delta R.T.: -0.021 min  
Response: 62502829  
Conc: 269.27 ng/ml





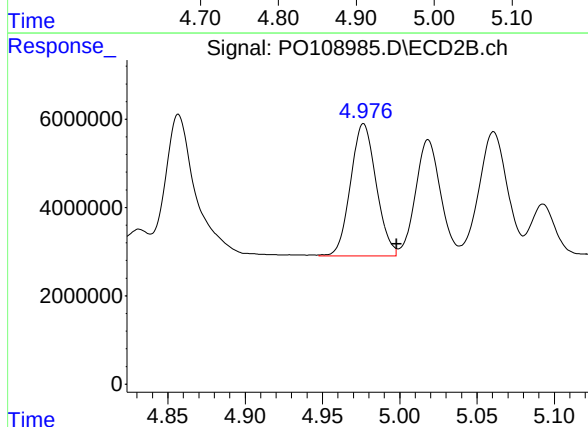
#5 AR-1016-3

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 64328356  
Conc: 267.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

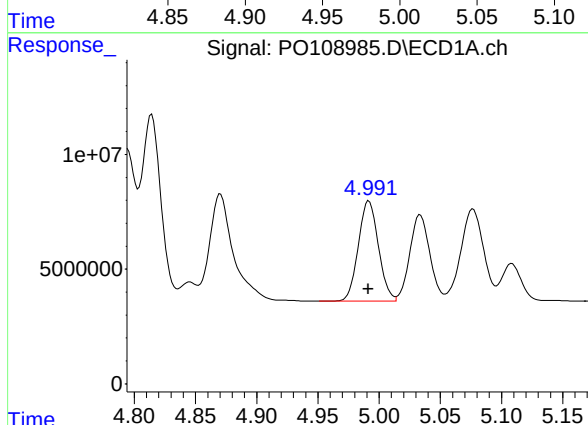
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



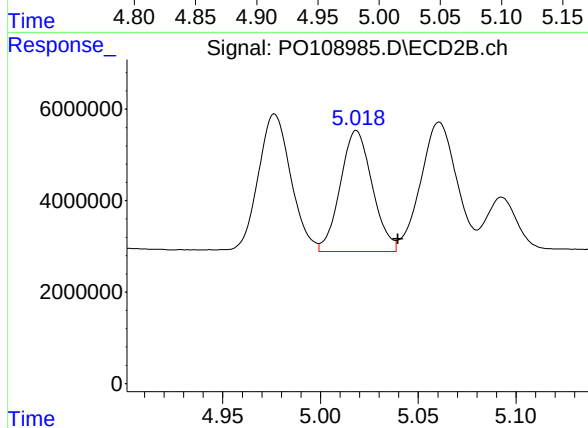
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 34543905  
Conc: 268.42 ng/ml



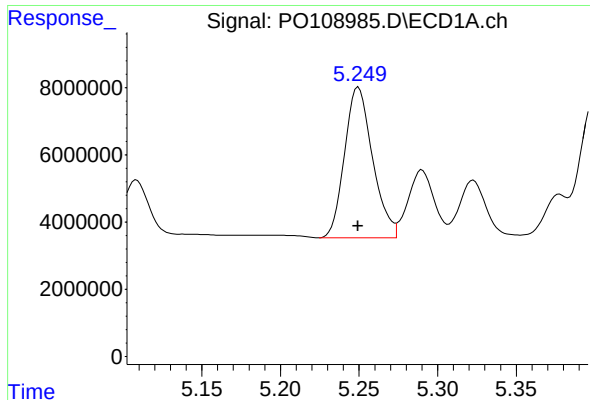
#6 AR-1016-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 49746771  
Conc: 263.07 ng/ml



#6 AR-1016-4

R.T.: 5.018 min  
Delta R.T.: -0.022 min  
Response: 30162647  
Conc: 275.99 ng/ml



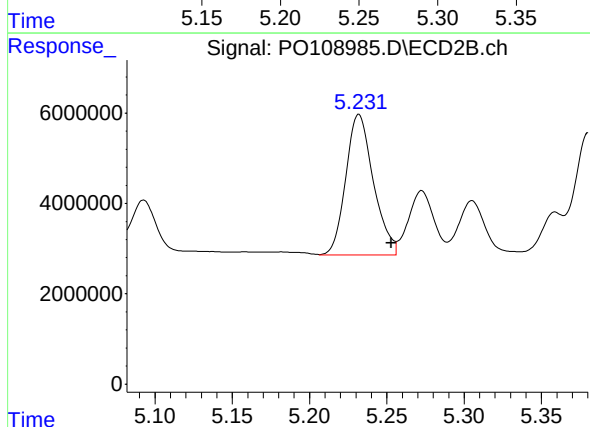
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 55736789  
Conc: 269.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

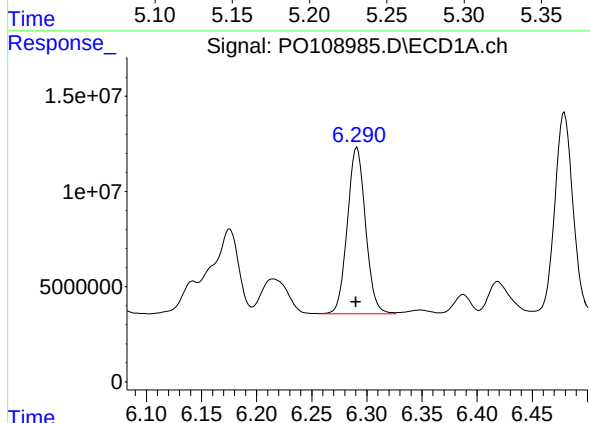
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



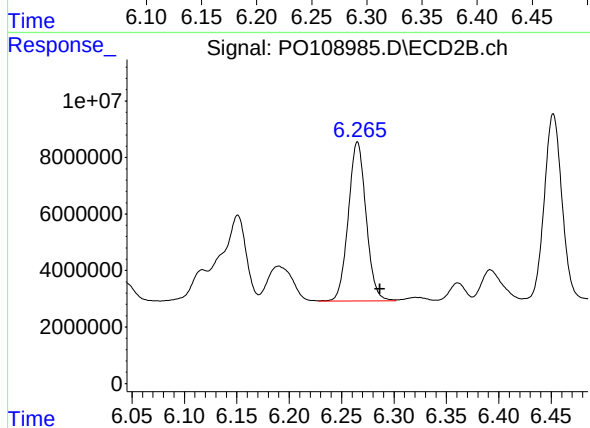
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 38791179  
Conc: 273.77 ng/ml



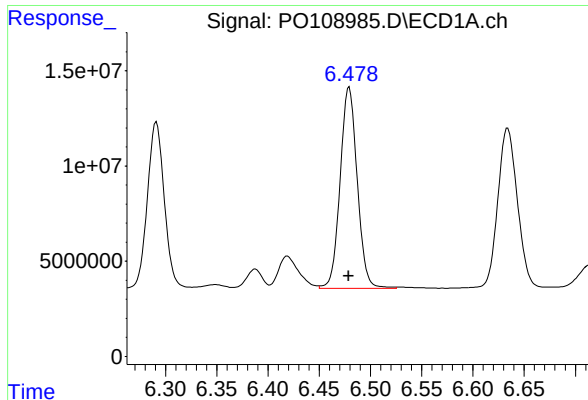
#31 AR-1260-1

R.T.: 6.291 min  
Delta R.T.: 0.000 min  
Response: 99983156  
Conc: 266.29 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.021 min  
Response: 66351828  
Conc: 268.39 ng/ml



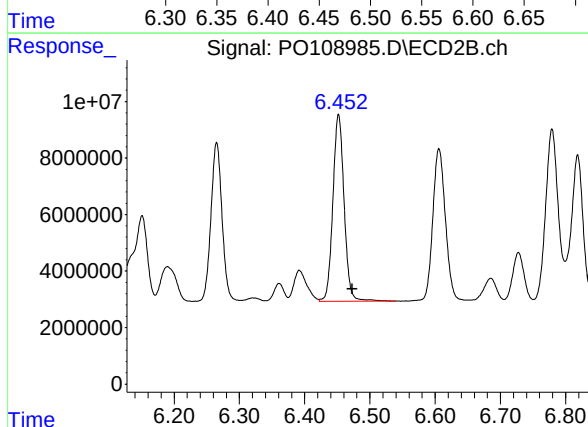
#32 AR-1260-2

R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 122055218  
Conc: 264.32 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

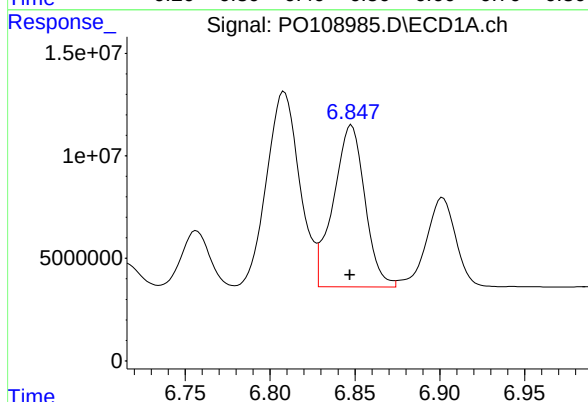
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



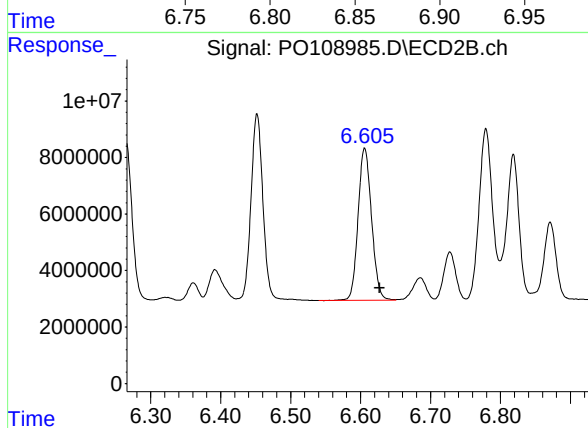
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 78703206  
Conc: 269.63 ng/ml



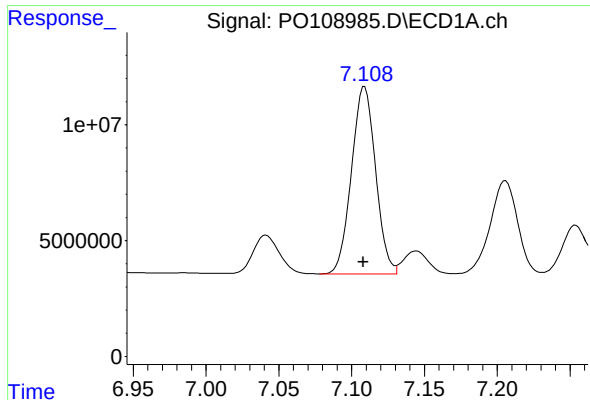
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 102042275  
Conc: 264.01 ng/ml



#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 72092726  
Conc: 264.53 ng/ml



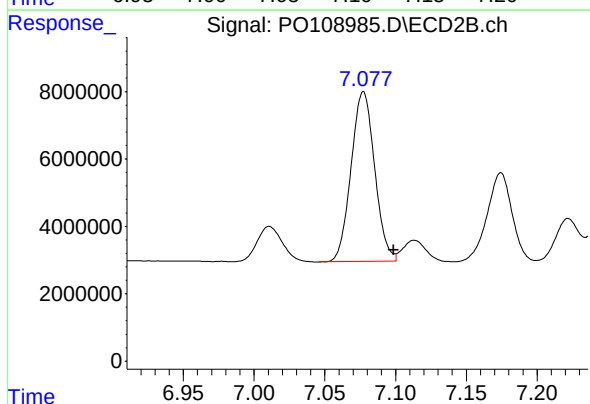
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.000 min  
Response: 93237919  
Conc: 262.88 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

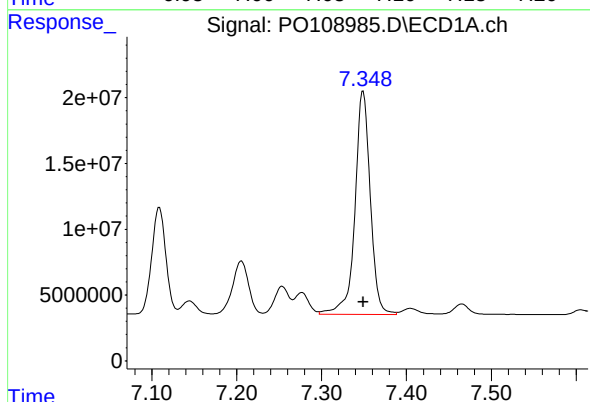
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



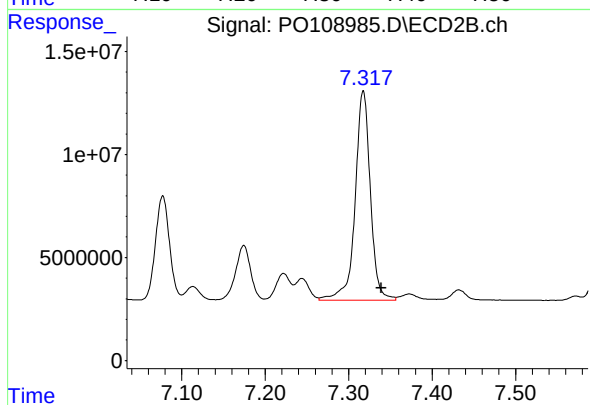
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.022 min  
Response: 58494493  
Conc: 262.94 ng/ml



#35 AR-1260-5

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 213389922  
Conc: 255.93 ng/ml



#35 AR-1260-5

R.T.: 7.318 min  
Delta R.T.: -0.021 min  
Response: 128659371  
Conc: 257.33 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108986.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 18:49  
 Operator : YP/AJ  
 Sample : AR1660ICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC050

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 23:34:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 21 23:33:02 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 37769018 | 25790330 | 5.048   | 4.751   |
| 2) SA Decachlor...          | 8.760 | 8.711 | 37623124 | 18664087 | 5.508   | 5.503   |
| Target Compounds            |       |       |          |          |         |         |
| 3) L1 AR-1016-1             | 4.795 | 4.781 | 13594822 | 9097406  | 54.762  | 54.590m |
| 4) L1 AR-1016-2             | 4.814 | 4.800 | 17889108 | 12464806 | 51.957  | 53.699m |
| 5) L1 AR-1016-3             | 4.870 | 4.975 | 13232239 | 6881496  | 54.957  | 53.472m |
| 6) L1 AR-1016-4             | 4.991 | 5.017 | 10275244 | 5933047  | 54.338  | 54.287m |
| 7) L1 AR-1016-5             | 5.248 | 5.231 | 11217400 | 7679788  | 54.173m | 54.199m |
| 31) L7 AR-1260-1            | 6.290 | 6.264 | 20834969 | 13891546 | 55.491m | 56.191m |
| 32) L7 AR-1260-2            | 6.479 | 6.451 | 25955278 | 16958222 | 56.208m | 58.098m |
| 33) L7 AR-1260-3            | 6.848 | 6.605 | 21246938 | 15546554 | 54.971  | 57.045  |
| 34) L7 AR-1260-4            | 7.108 | 7.077 | 19118870 | 12287364 | 53.904  | 55.233m |
| 35) L7 AR-1260-5            | 7.350 | 7.317 | 42622888 | 25746946 | 51.121  | 51.496  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108986.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 18:49  
Operator : YP/AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660ICC050

## Manual Integrations

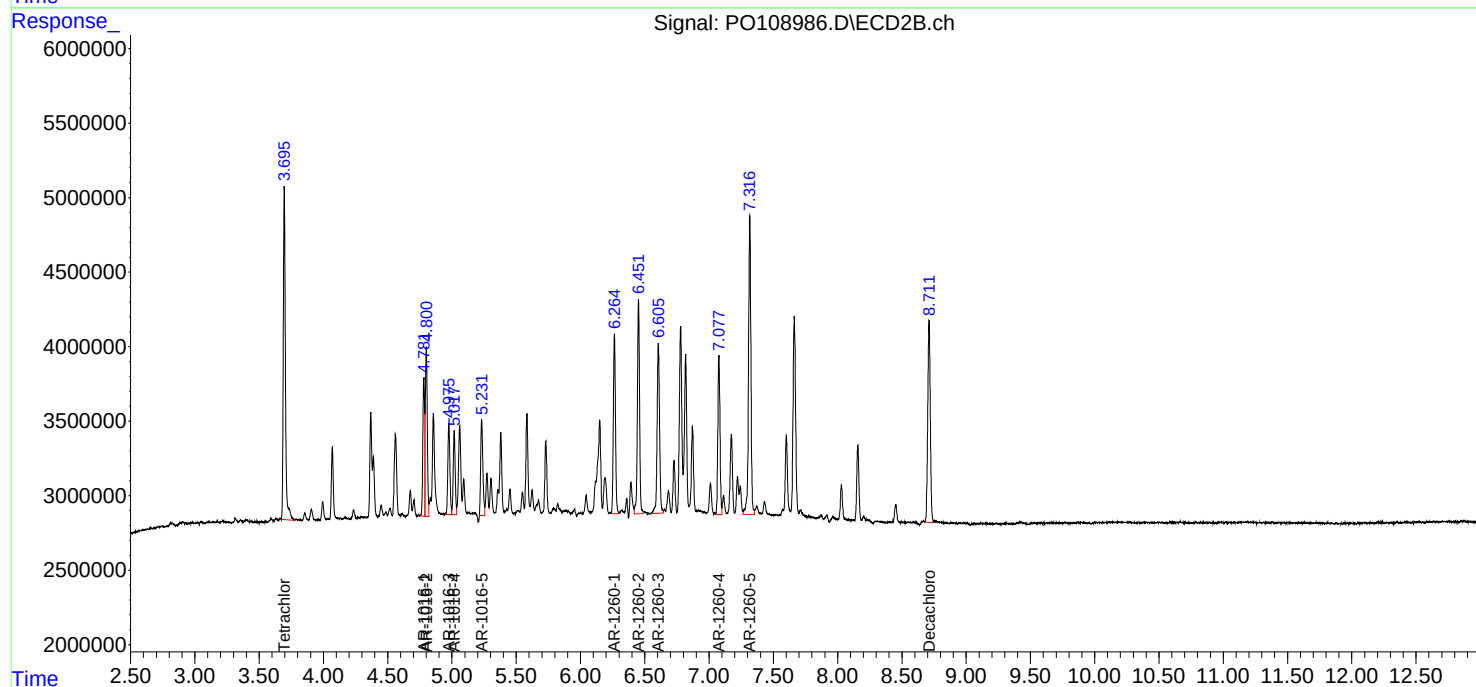
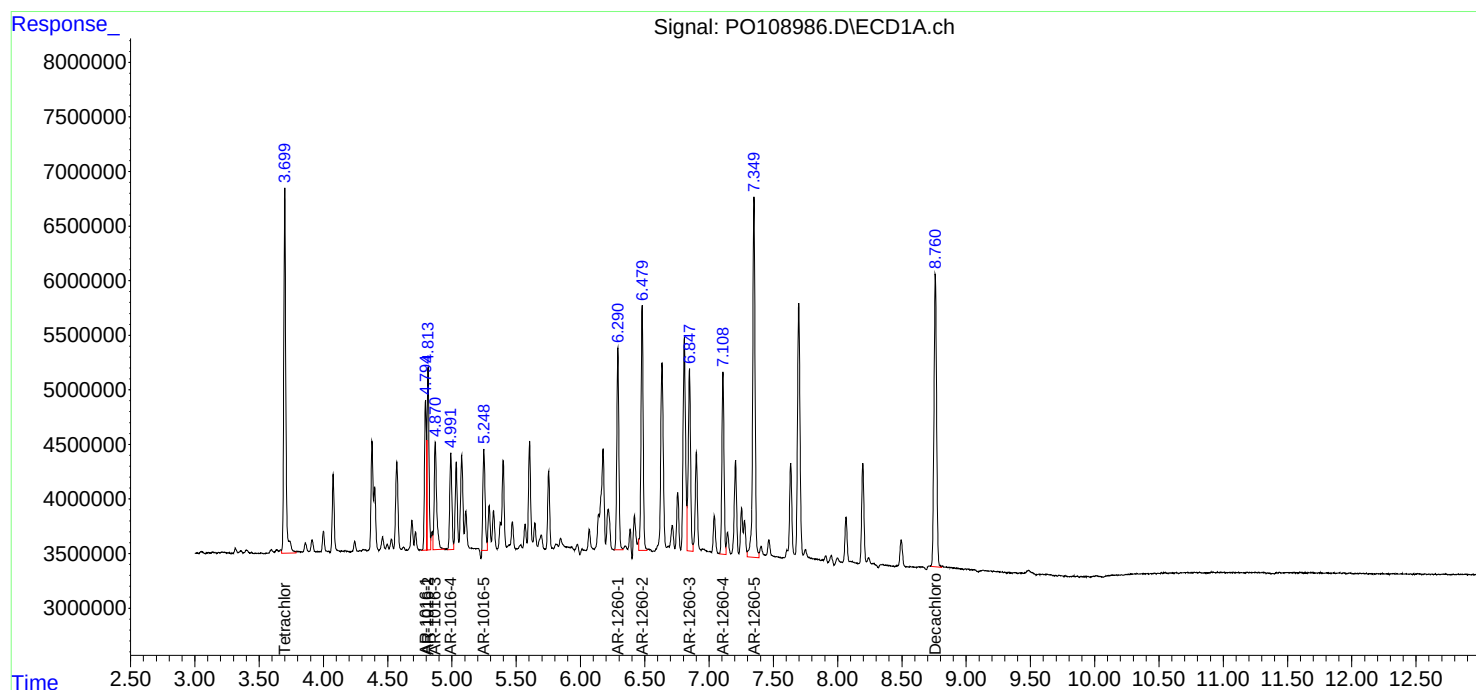
APPROVED

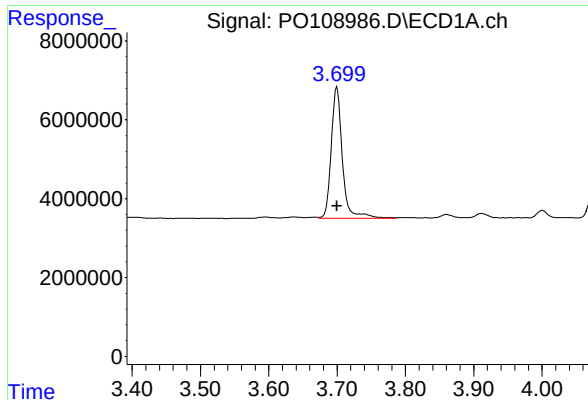
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:34:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:33:02 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





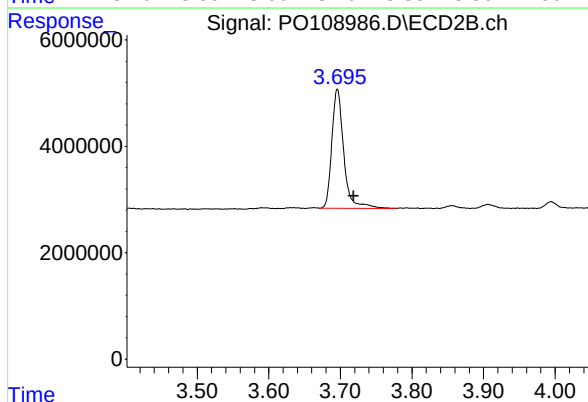
## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 37769018  
Conc: 5.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

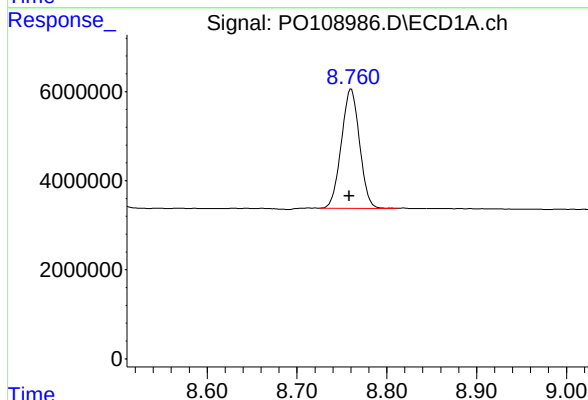
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



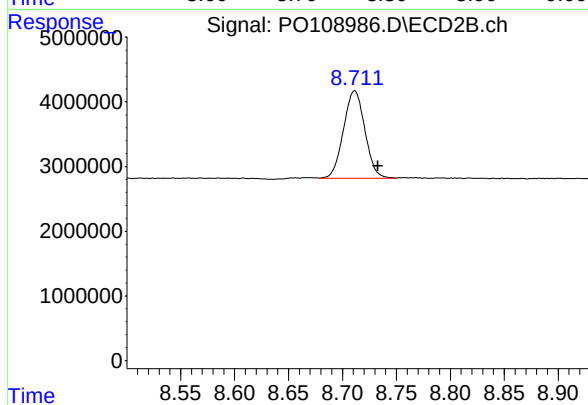
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 25790330  
Conc: 4.75 ng/ml



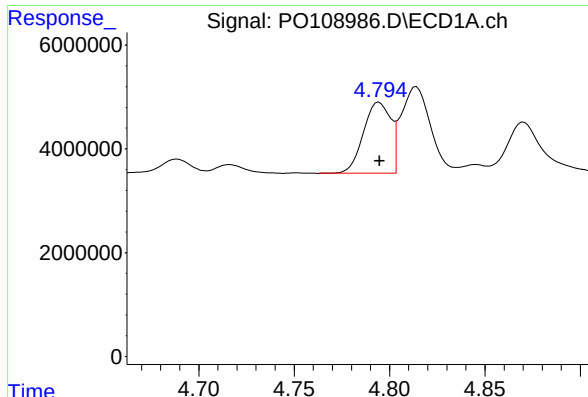
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.002 min  
Response: 37623124  
Conc: 5.51 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 18664087  
Conc: 5.50 ng/ml



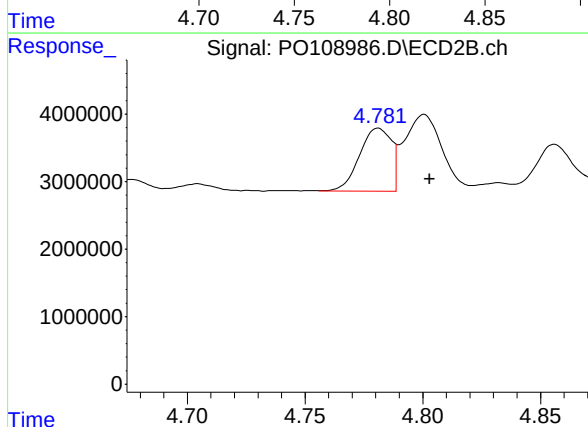
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 13594822  
Conc: 54.76 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

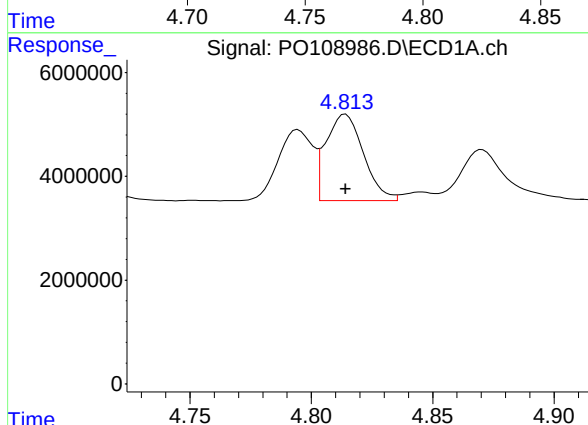
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



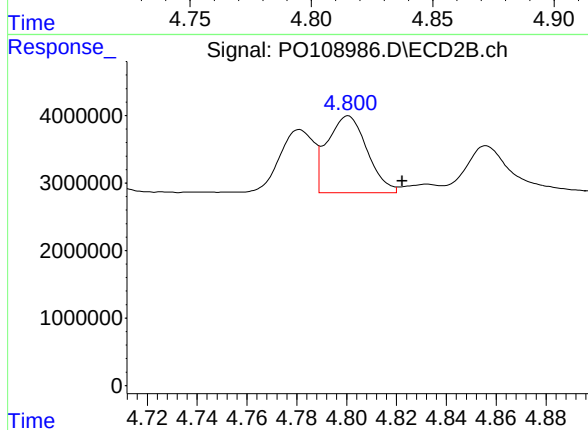
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 9097406  
Conc: 54.59 ng/ml m



#4 AR-1016-2

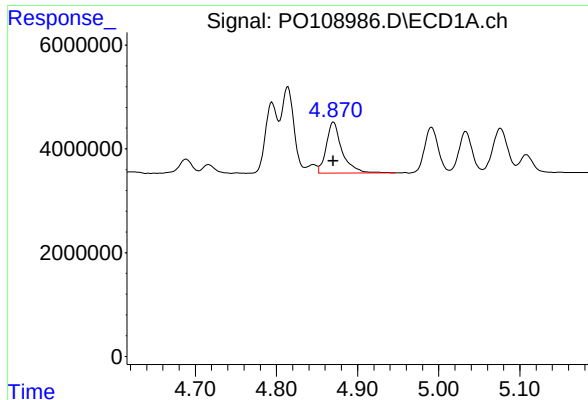
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 17889108  
Conc: 51.96 ng/ml



#4 AR-1016-2

R.T.: 4.800 min  
Delta R.T.: -0.022 min  
Response: 12464806  
Conc: 53.70 ng/ml m





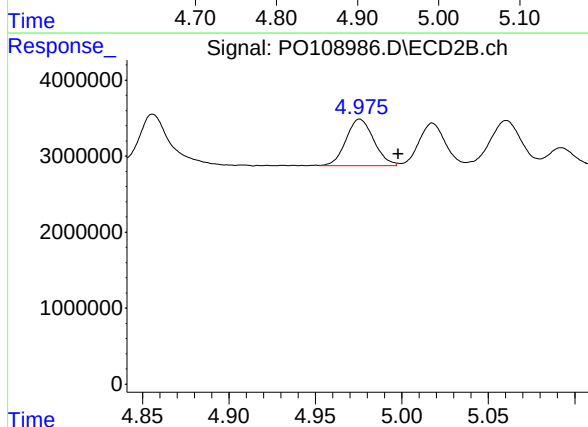
#5 AR-1016-3

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 13232239  
Conc: 54.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

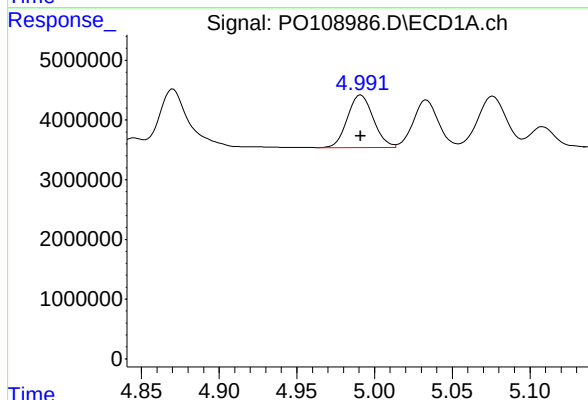
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



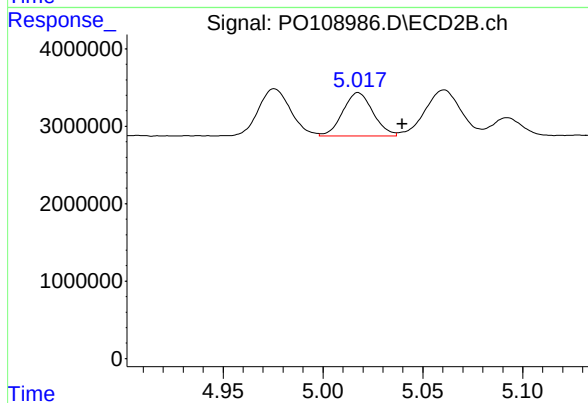
#5 AR-1016-3

R.T.: 4.975 min  
Delta R.T.: -0.023 min  
Response: 6881496  
Conc: 53.47 ng/ml m



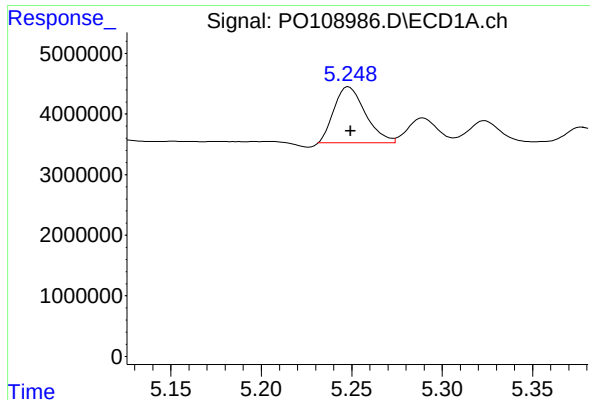
#6 AR-1016-4

R.T.: 4.991 min  
Delta R.T.: 0.000 min  
Response: 10275244  
Conc: 54.34 ng/ml



#6 AR-1016-4

R.T.: 5.017 min  
Delta R.T.: -0.023 min  
Response: 5933047  
Conc: 54.29 ng/ml m



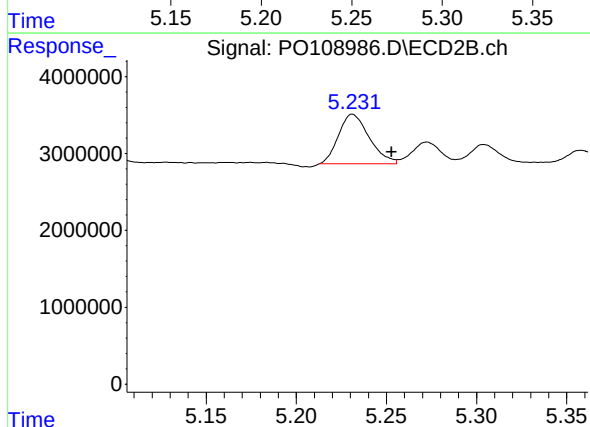
#7 AR-1016-5

R.T.: 5.248 min  
Delta R.T.: -0.002 min  
Response: 11217400  
Conc: 54.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

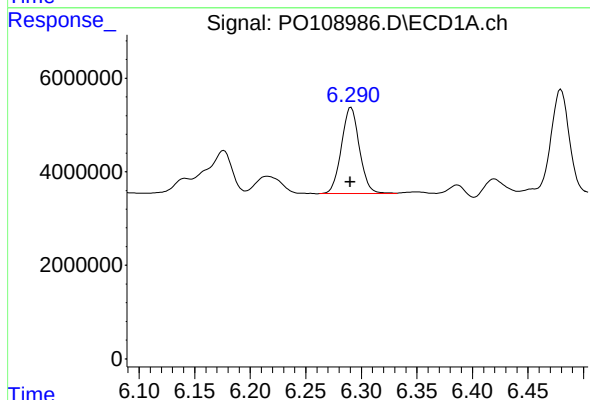
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



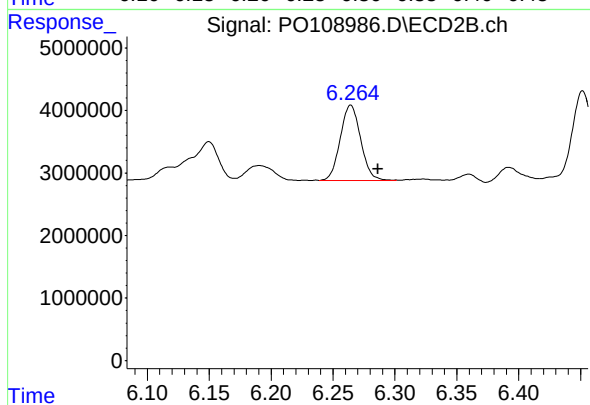
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 7679788  
Conc: 54.20 ng/ml



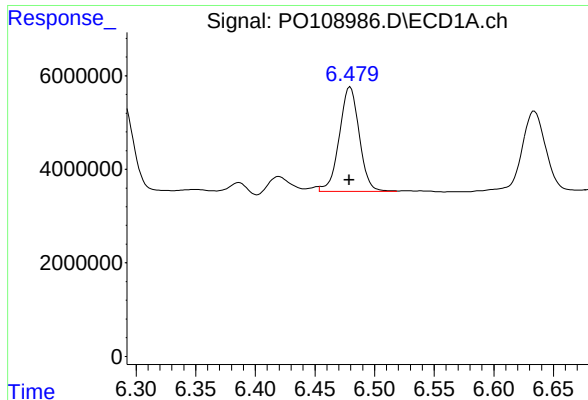
#31 AR-1260-1

R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 20834969  
Conc: 55.49 ng/ml



#31 AR-1260-1

R.T.: 6.264 min  
Delta R.T.: -0.023 min  
Response: 13891546  
Conc: 56.19 ng/ml



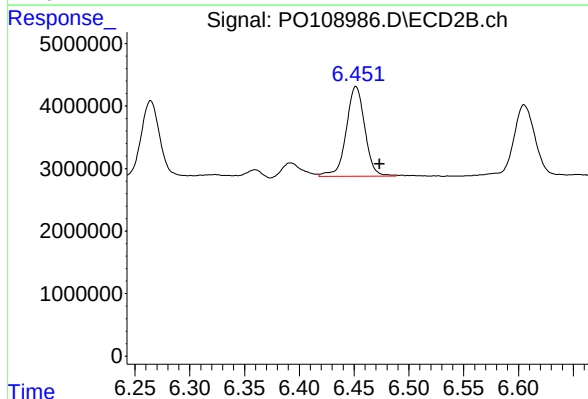
#32 AR-1260-2

R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 25955278  
Conc: 56.21 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

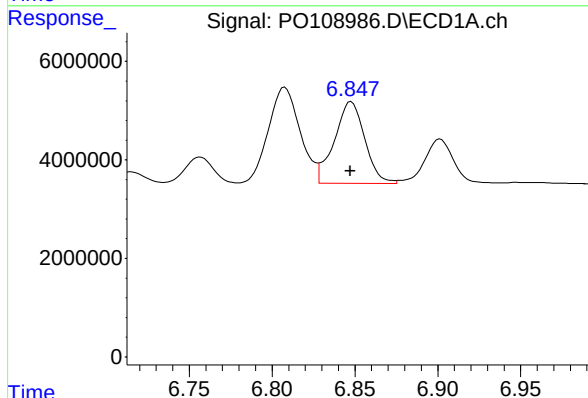
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



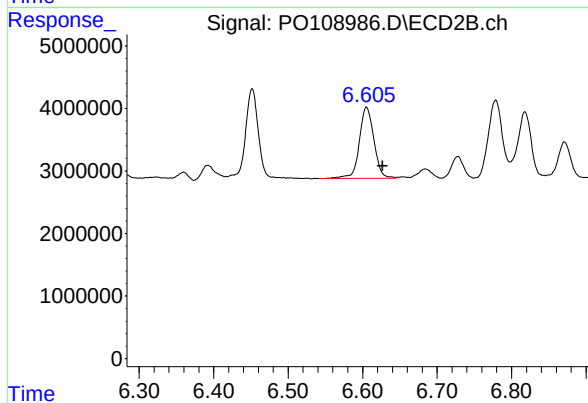
#32 AR-1260-2

R.T.: 6.451 min  
Delta R.T.: -0.022 min  
Response: 16958222  
Conc: 58.10 ng/ml



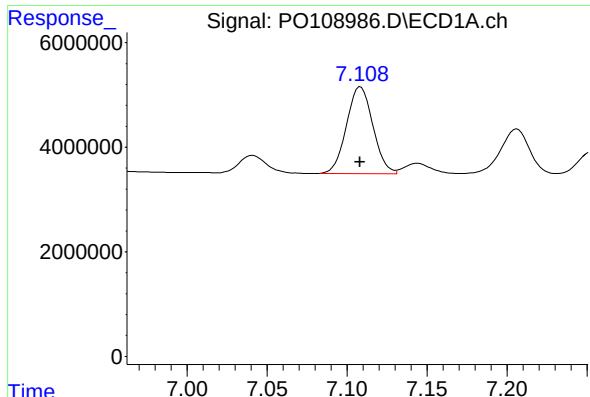
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 21246938  
Conc: 54.97 ng/ml



#33 AR-1260-3

R.T.: 6.605 min  
Delta R.T.: -0.022 min  
Response: 15546554  
Conc: 57.05 ng/ml



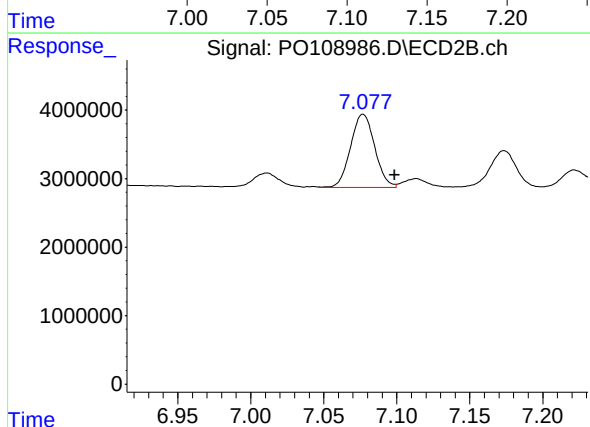
#34 AR-1260-4

R.T.: 7.108 min  
Delta R.T.: 0.000 min  
Response: 19118870  
Conc: 53.90 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

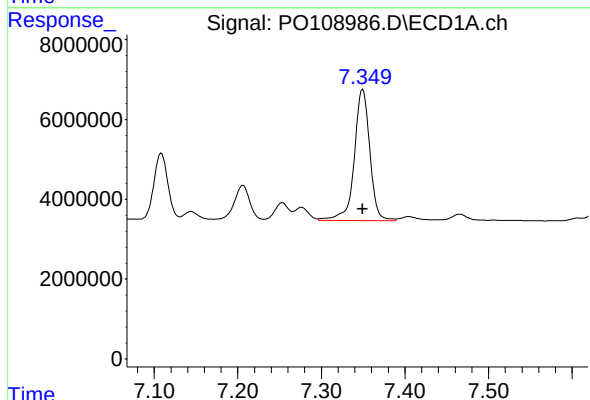
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



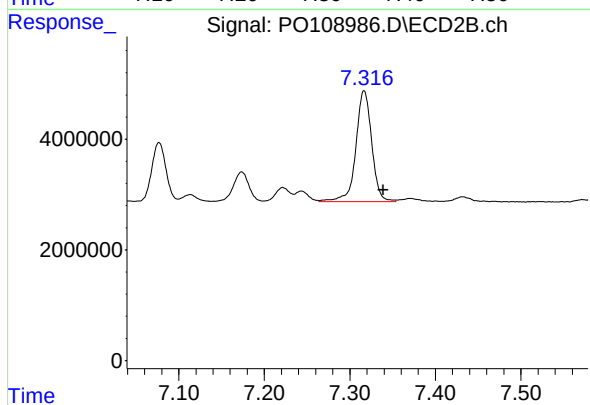
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.022 min  
Response: 12287364  
Conc: 55.23 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.000 min  
Response: 42622888  
Conc: 51.12 ng/ml



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 25746946  
Conc: 51.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108987.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:07  
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: Jan 21 23:54:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:52:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 368.0E6  | 258.4E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.758 | 8.710 | 327.8E6  | 163.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 8) L2 AR-1221-1             | 3.914 | 3.909 | 50050468 | 32744920 | 500.000 | 500.000 |
| 9) L2 AR-1221-2             | 4.000 | 3.995 | 37203615 | 24693836 | 500.000 | 500.000 |
| 10) L2 AR-1221-3            | 4.077 | 4.070 | 104.0E6  | 72580187 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

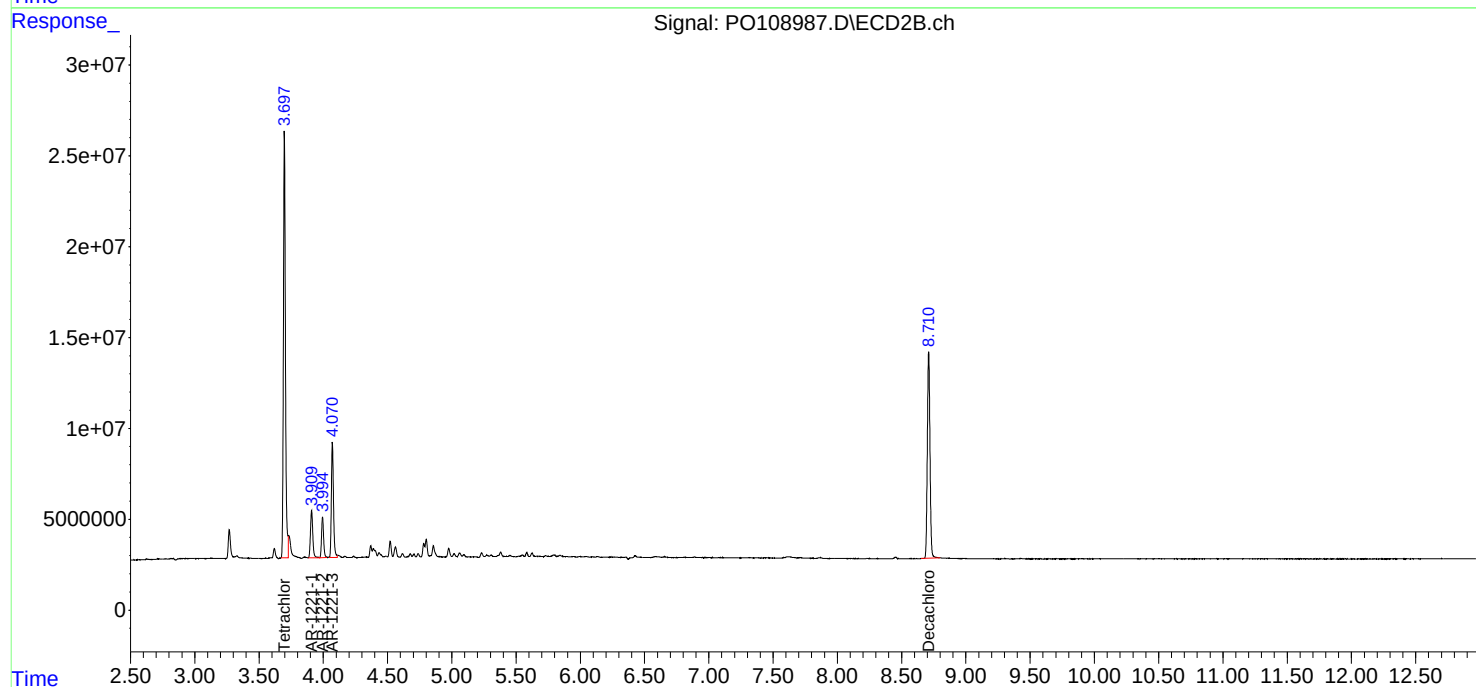
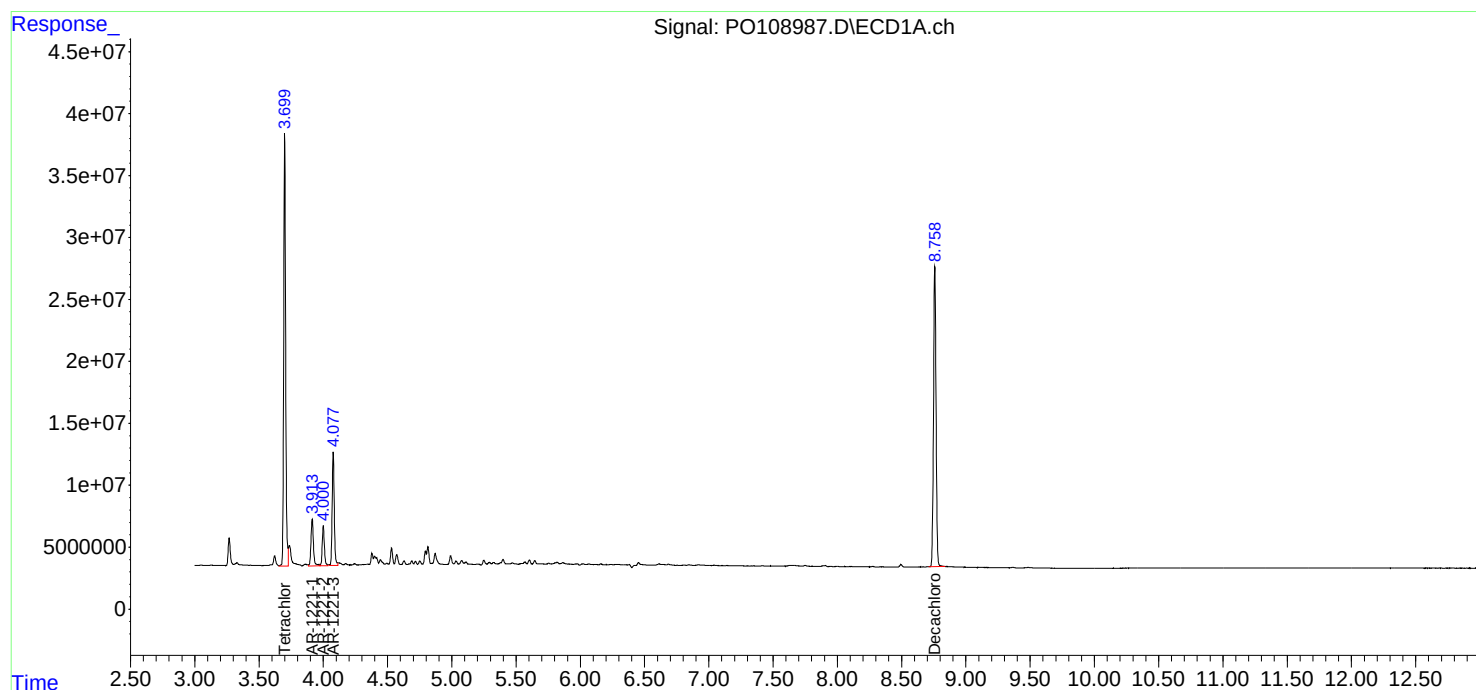
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

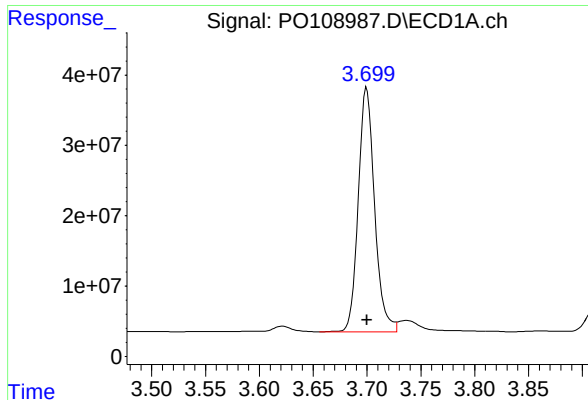
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108987.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:07  
Operator : YP/AJ  
Sample : AR1221ICC500  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 23:54:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 21 23:52:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

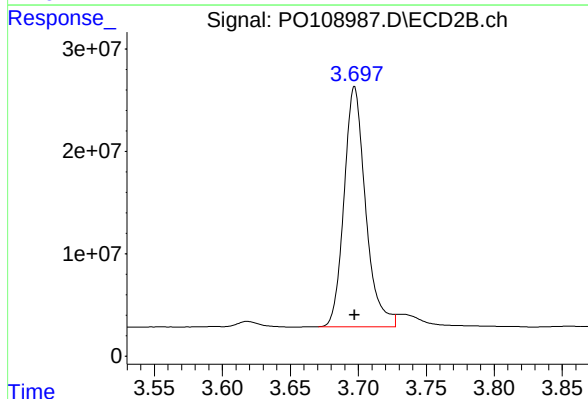




## #1 Tetrachloro-m-xylene

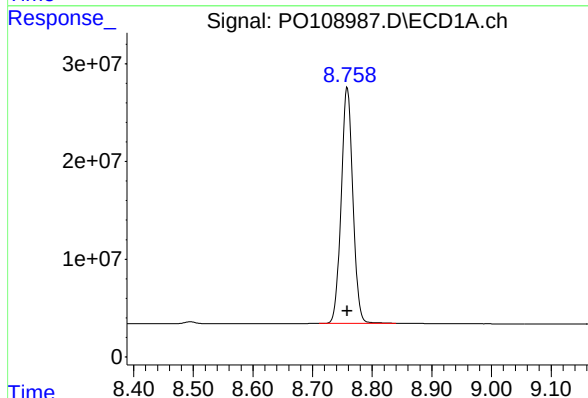
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 367966019  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500



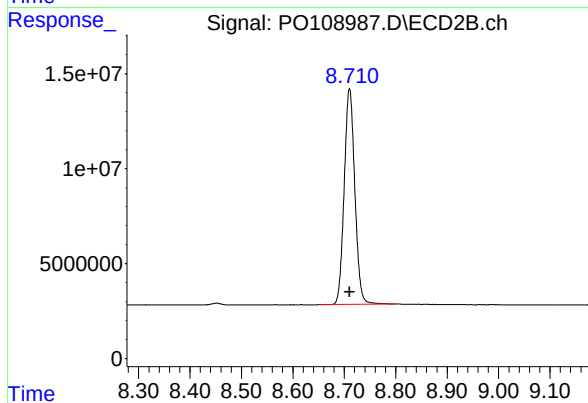
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 258427873  
Conc: 50.00 ng/ml



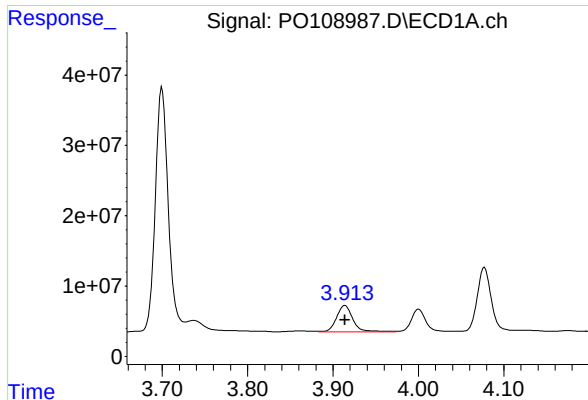
## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: 0.000 min  
Response: 327820543  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

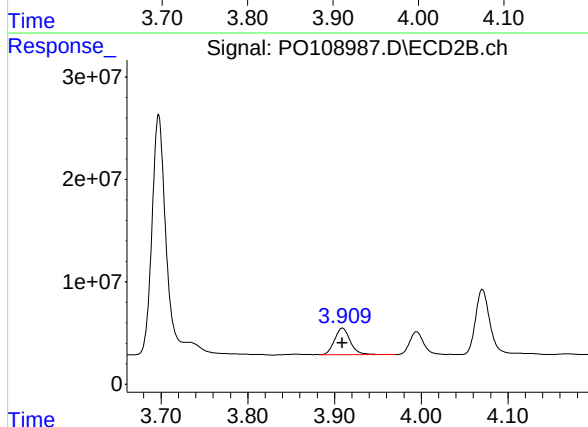
R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 163280670  
Conc: 50.00 ng/ml



#8 AR-1221-1

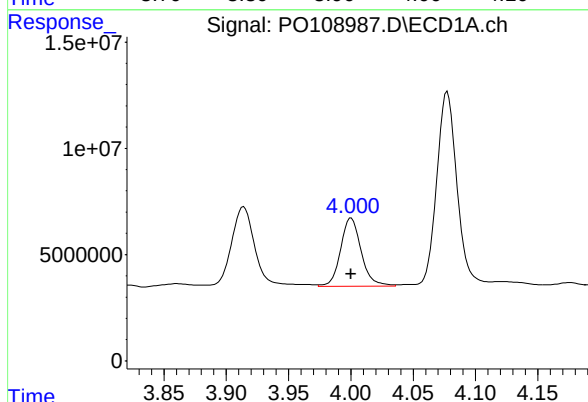
R.T.: 3.914 min  
Delta R.T.: 0.000 min  
Response: 50050468  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500



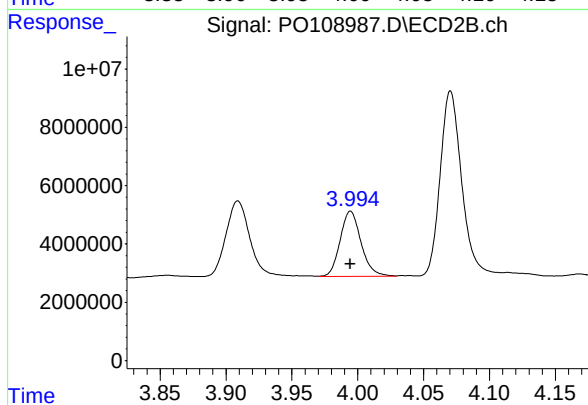
#8 AR-1221-1

R.T.: 3.909 min  
Delta R.T.: 0.000 min  
Response: 32744920  
Conc: 500.00 ng/ml



#9 AR-1221-2

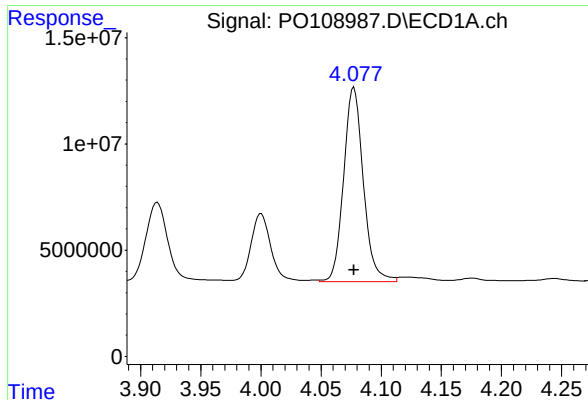
R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 37203615  
Conc: 500.00 ng/ml



#9 AR-1221-2

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 24693836  
Conc: 500.00 ng/ml

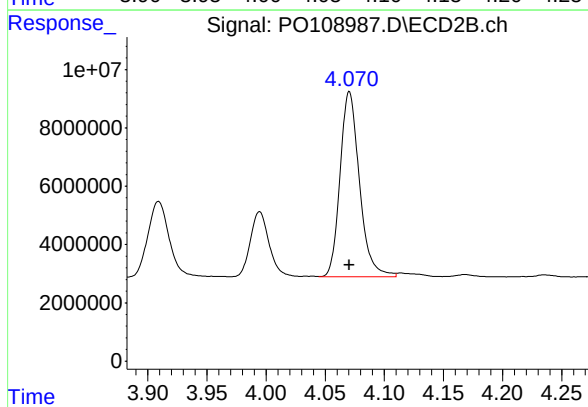




#10 AR-1221-3

R.T.: 4.077 min  
Delta R.T.: 0.000 min  
Response: 104007429  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500



#10 AR-1221-3

R.T.: 4.070 min  
Delta R.T.: 0.000 min  
Response: 72580187  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108988.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:26  
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: Jan 22 00:05:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:05:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 358.0E6  | 266.2E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 317.6E6  | 157.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 11) L3 AR-1232-1            | 4.077 | 4.070 | 82560827 | 57753952 | 500.000 | 500.000 |
| 12) L3 AR-1232-2            | 4.572 | 4.801 | 45490796 | 54456582 | 500.000 | 500.000 |
| 13) L3 AR-1232-3            | 4.814 | 4.977 | 80075889 | 29983465 | 500.000 | 500.000 |
| 14) L3 AR-1232-4            | 4.991 | 5.060 | 44000708 | 28630970 | 500.000 | 500.000 |
| 15) L3 AR-1232-5            | 5.033 | 5.232 | 32409117 | 30335972 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

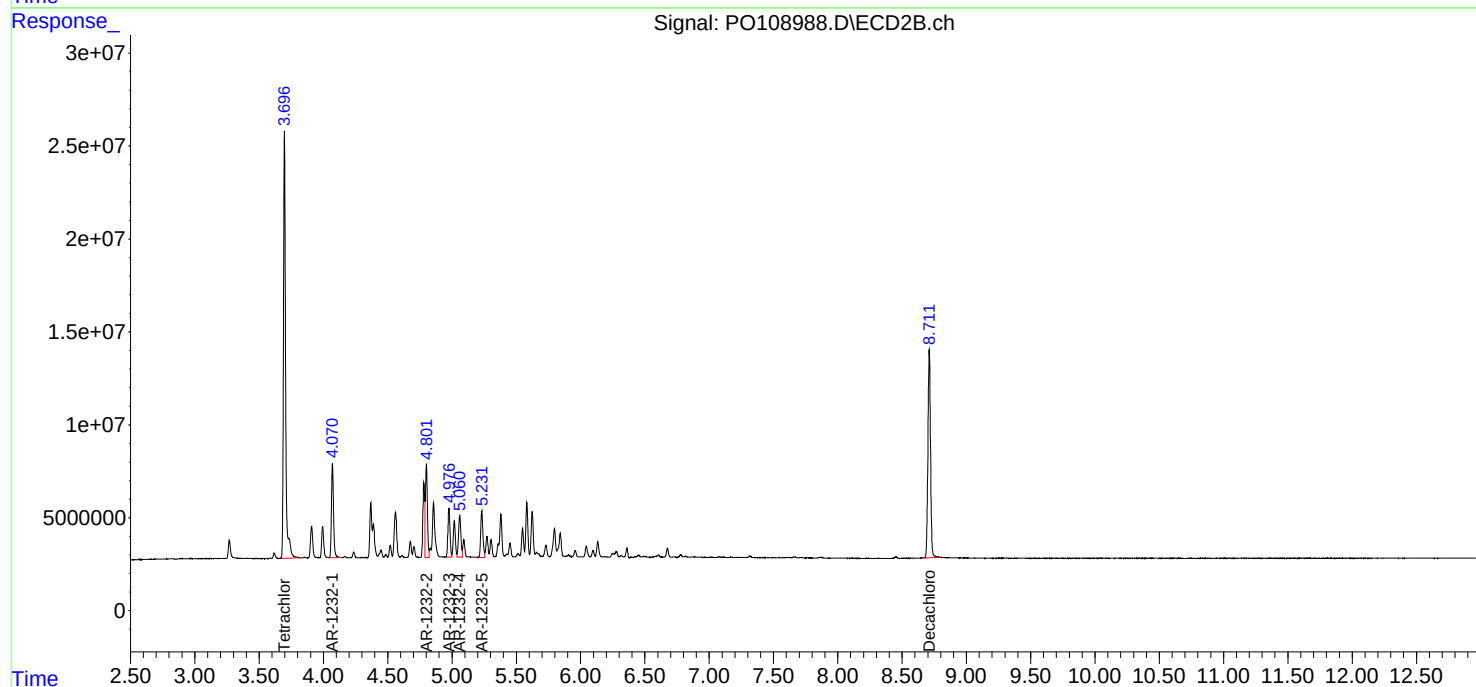
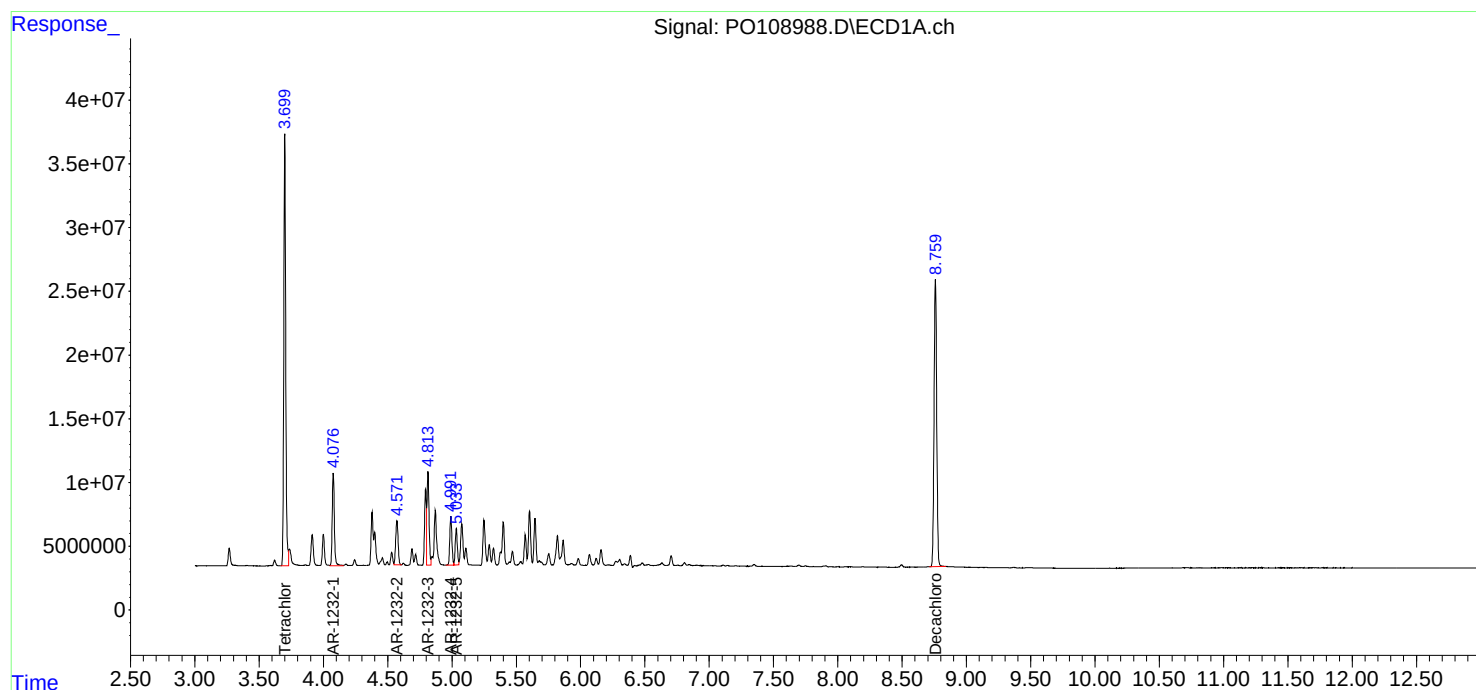
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

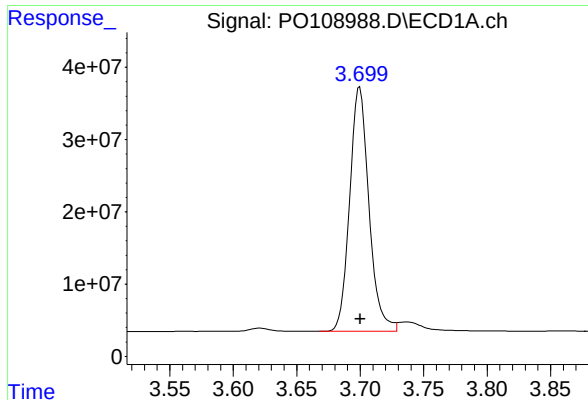
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108988.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:26  
Operator : YP/AJ  
Sample : AR1232ICC500  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:05:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:05:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

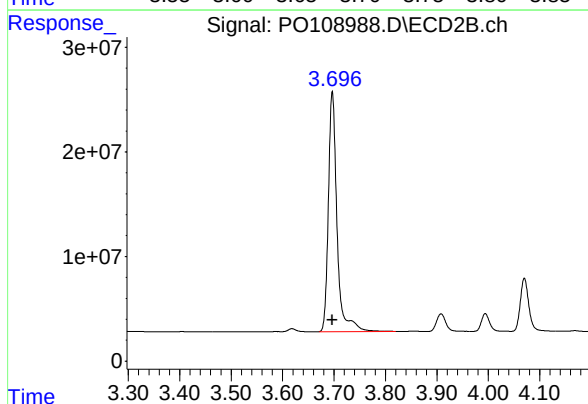




## #1 Tetrachloro-m-xylene

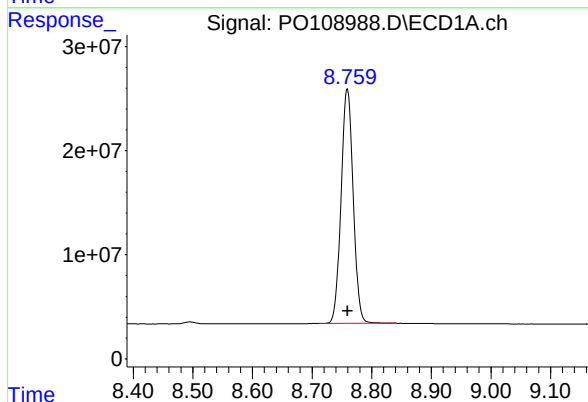
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 357952821  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



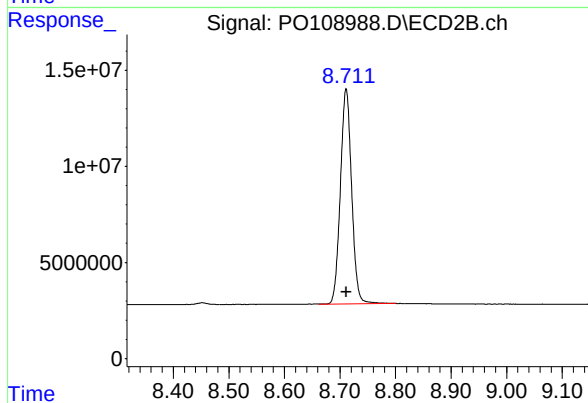
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 266161788  
Conc: 50.00 ng/ml



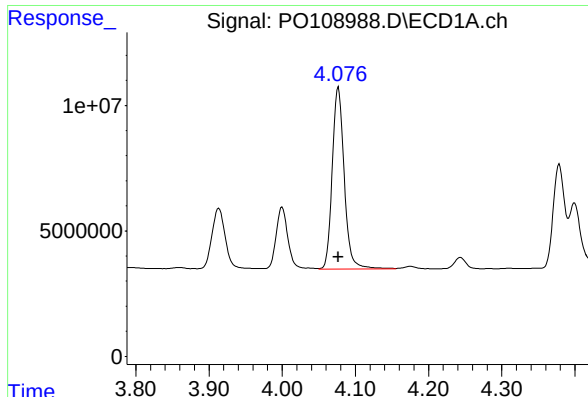
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 317619972  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

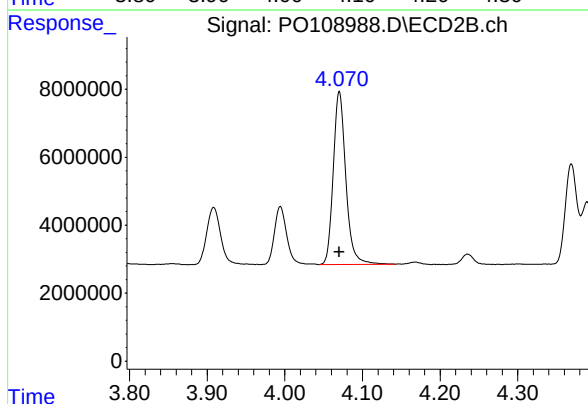
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 157333378  
Conc: 50.00 ng/ml



#11 AR-1232-1

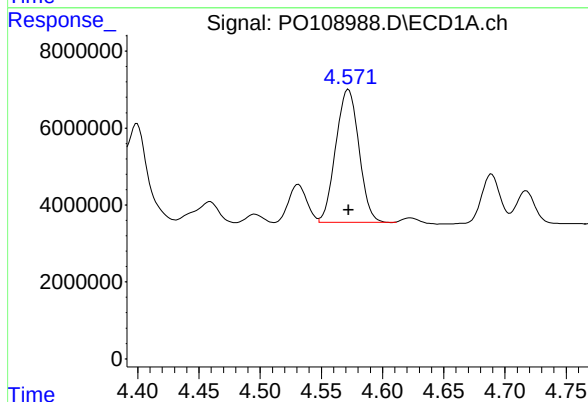
R.T.: 4.077 min  
Delta R.T.: 0.000 min  
Response: 82560827  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



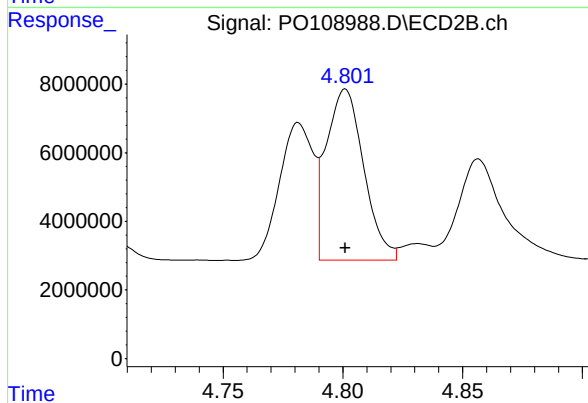
#11 AR-1232-1

R.T.: 4.070 min  
Delta R.T.: 0.000 min  
Response: 57753952  
Conc: 500.00 ng/ml



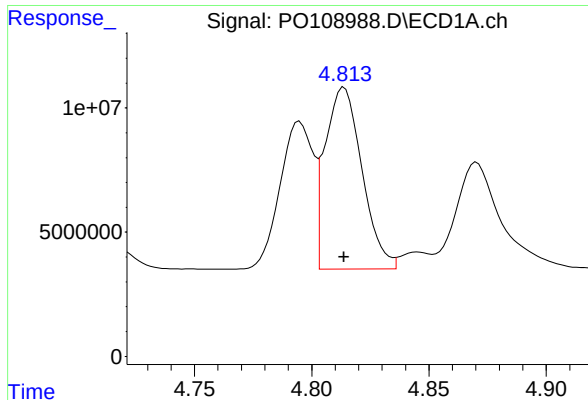
#12 AR-1232-2

R.T.: 4.572 min  
Delta R.T.: 0.000 min  
Response: 45490796  
Conc: 500.00 ng/ml



#12 AR-1232-2

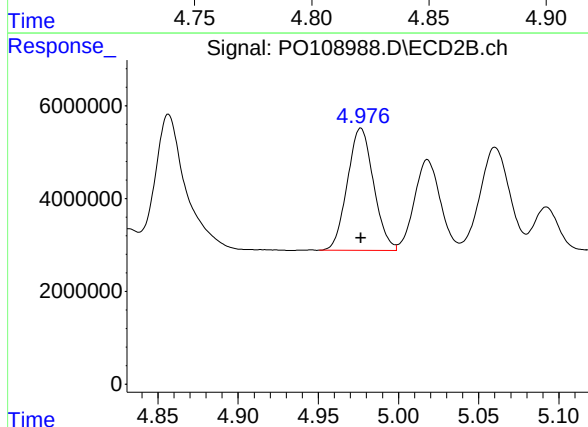
R.T.: 4.801 min  
Delta R.T.: 0.000 min  
Response: 54456582  
Conc: 500.00 ng/ml



#13 AR-1232-3

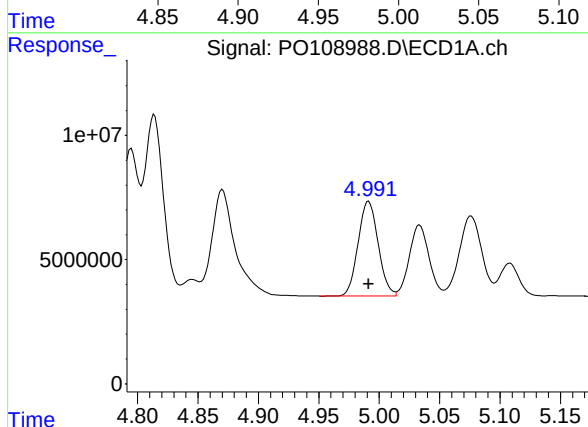
R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 80075889  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



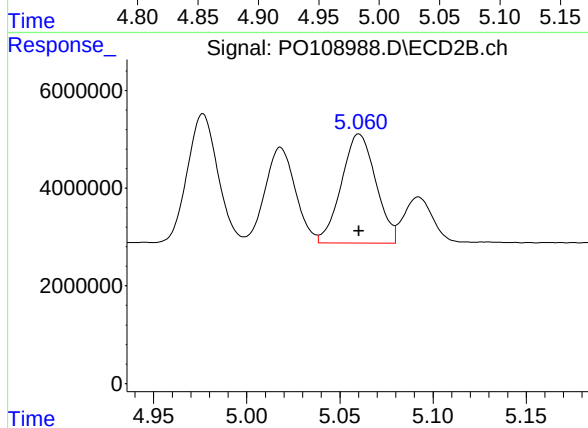
#13 AR-1232-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 29983465  
Conc: 500.00 ng/ml



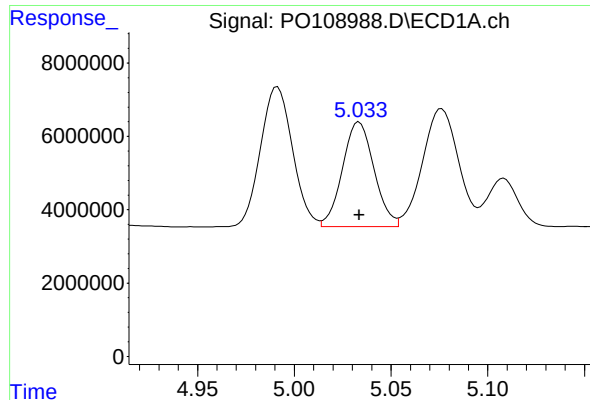
#14 AR-1232-4

R.T.: 4.991 min  
Delta R.T.: 0.000 min  
Response: 44000708  
Conc: 500.00 ng/ml



#14 AR-1232-4

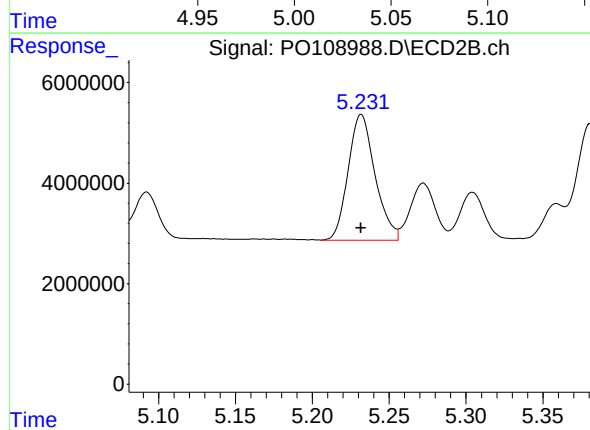
R.T.: 5.060 min  
Delta R.T.: 0.000 min  
Response: 28630970  
Conc: 500.00 ng/ml



#15 AR-1232-5

R.T.: 5.033 min  
Delta R.T.: 0.000 min  
Response: 32409117  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



#15 AR-1232-5

R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 30335972  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108989.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:44  
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: Jan 22 00:15:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 730.3E6 | 514.6E6 | 94.887  | 94.908  |
| 2) SA Decachlor...          | 8.760 | 8.711 | 609.4E6 | 297.6E6 | 92.950  | 91.574  |
| Target Compounds            |       |       |         |         |         |         |
| 16) L4 AR-1242-1            | 4.795 | 4.782 | 195.2E6 | 130.3E6 | 910.837 | 911.956 |
| 17) L4 AR-1242-2            | 4.815 | 4.802 | 268.1E6 | 183.8E6 | 926.890 | 923.974 |
| 18) L4 AR-1242-3            | 4.870 | 4.977 | 186.2E6 | 100.1E6 | 901.961 | 904.287 |
| 19) L4 AR-1242-4            | 4.991 | 5.061 | 146.3E6 | 101.7E6 | 912.251 | 889.383 |
| 20) L4 AR-1242-5            | 5.645 | 5.583 | 154.3E6 | 124.2E6 | 918.652 | 913.756 |
| -----                       |       |       |         |         |         |         |

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

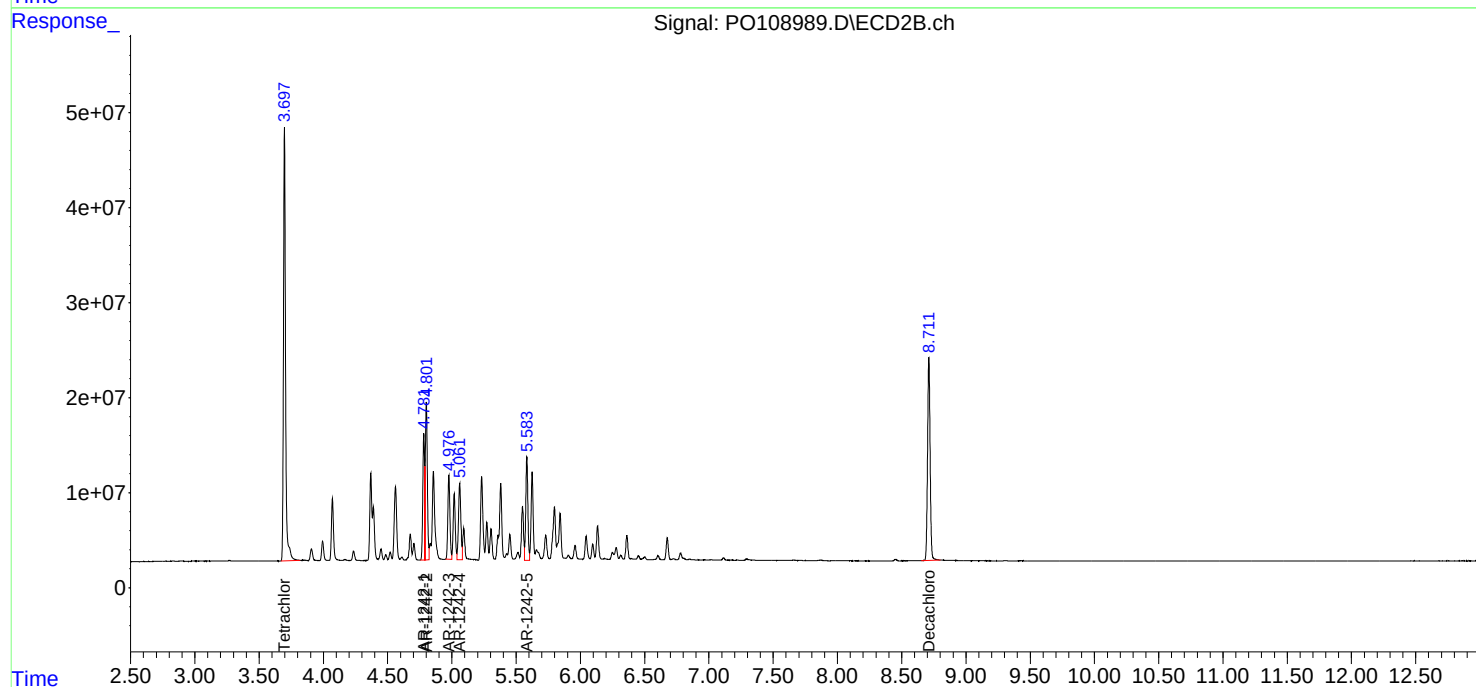
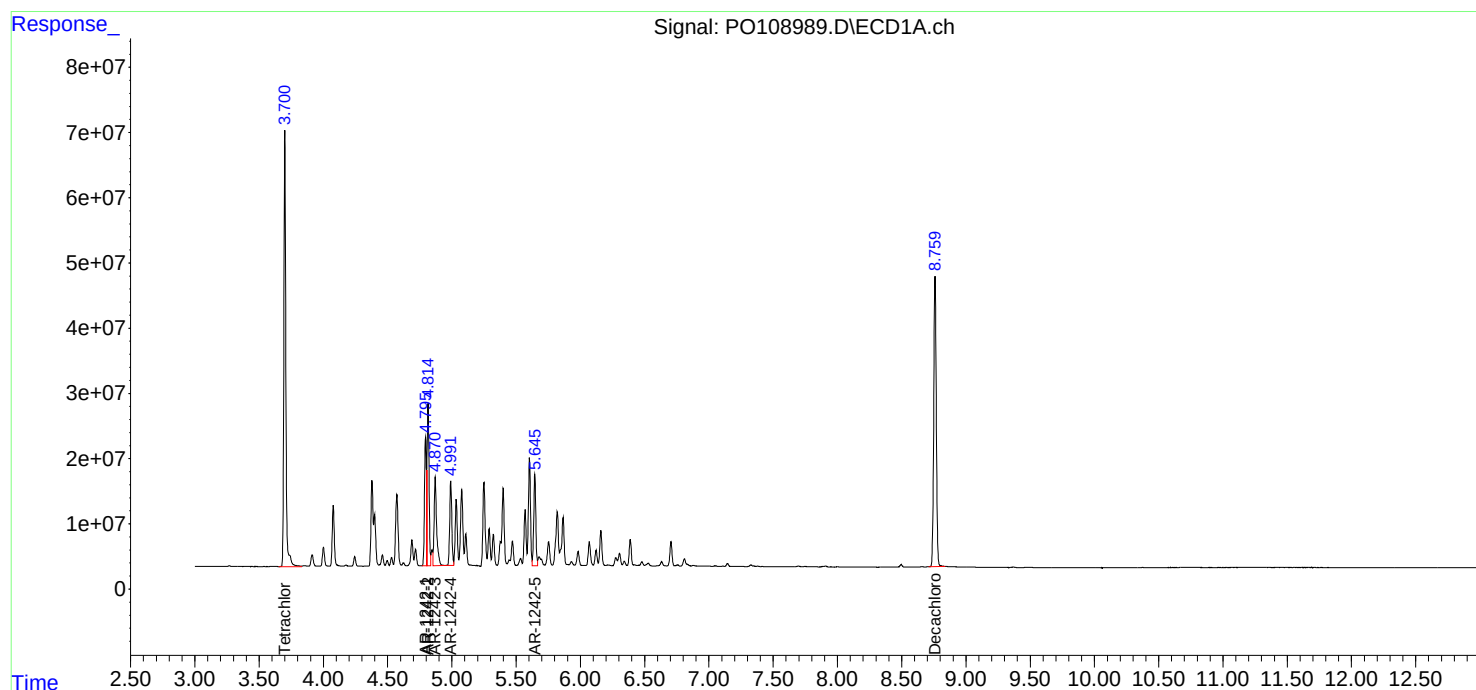


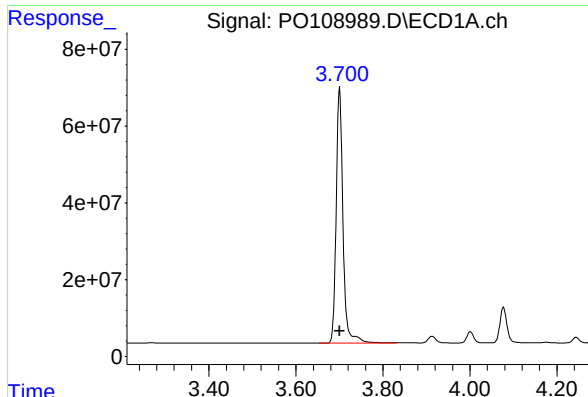
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108989.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 19:44  
Operator : YP/AJ  
Sample : AR1242ICC1000  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:15:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

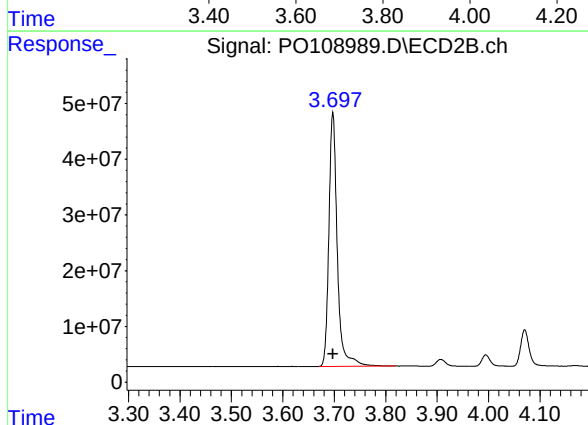




## #1 Tetrachloro-m-xylene

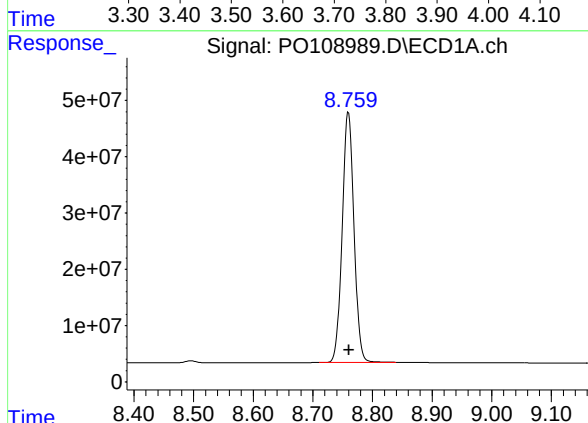
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 730283145  
Conc: 94.89 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



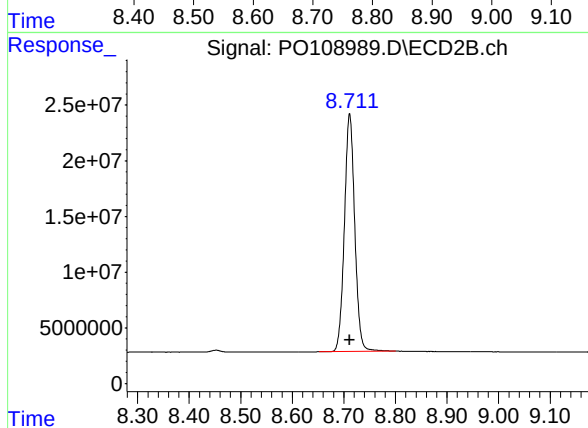
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 514630537  
Conc: 94.91 ng/ml



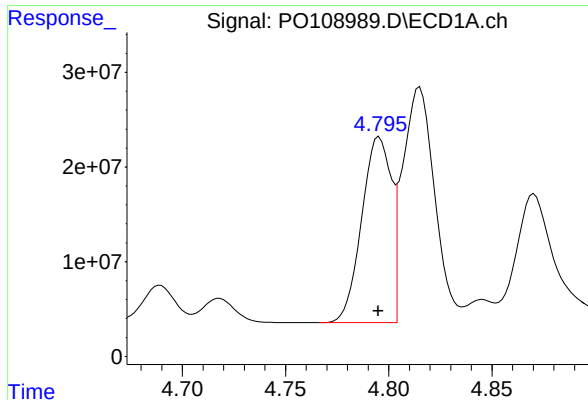
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 609375717  
Conc: 92.95 ng/ml



## #2 Decachlorobiphenyl

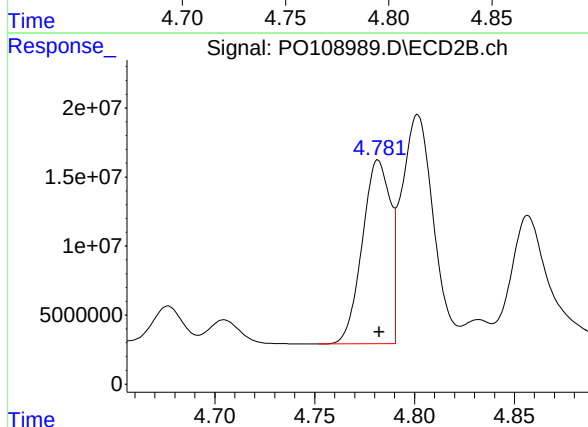
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 297592313  
Conc: 91.57 ng/ml



#16 AR-1242-1

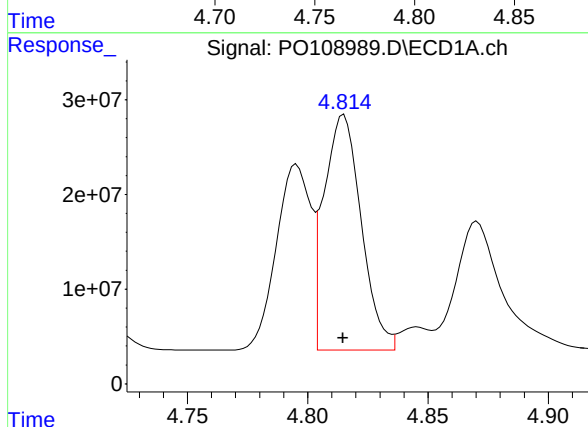
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 195196952  
Conc: 910.84 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



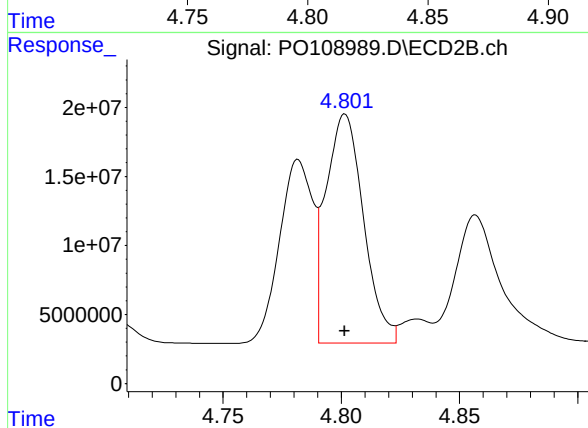
#16 AR-1242-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 130294727  
Conc: 911.96 ng/ml



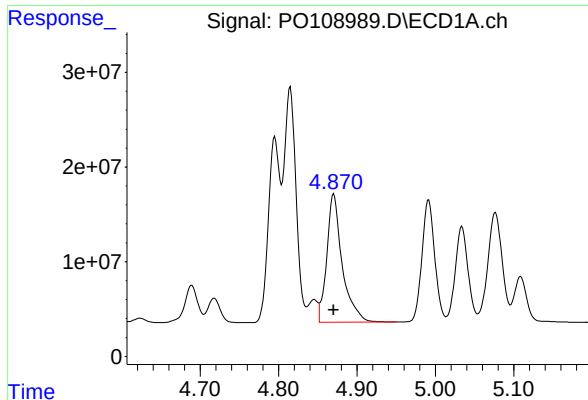
#17 AR-1242-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 268098195  
Conc: 926.89 ng/ml



#17 AR-1242-2

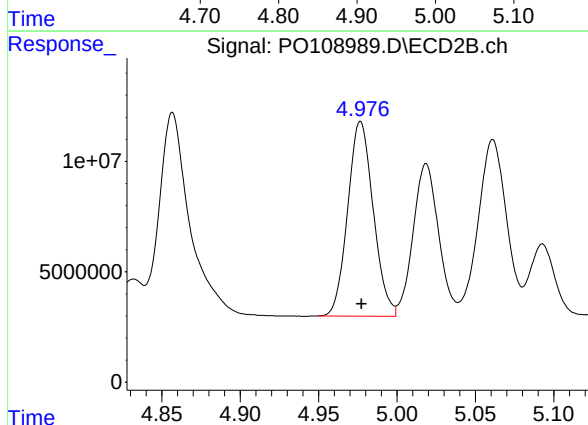
R.T.: 4.802 min  
Delta R.T.: 0.000 min  
Response: 183791222  
Conc: 923.97 ng/ml



#18 AR-1242-3

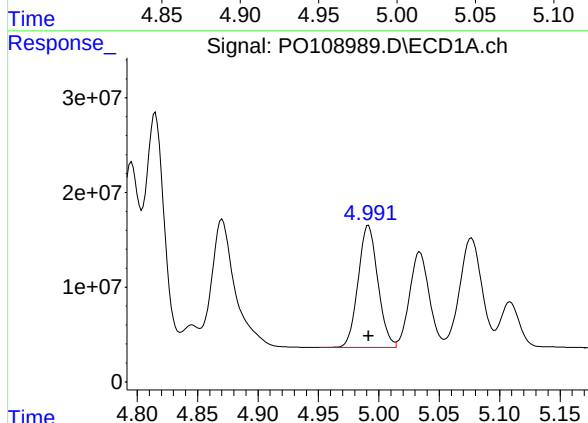
R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 186201466  
Conc: 901.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



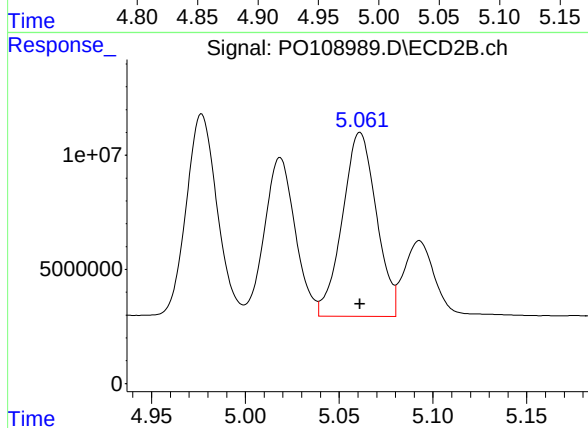
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 100083291  
Conc: 904.29 ng/ml



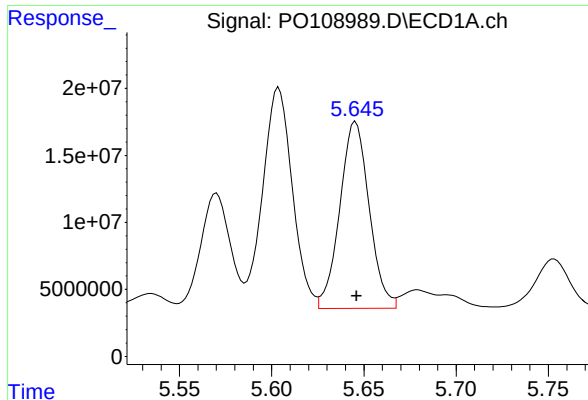
#19 AR-1242-4

R.T.: 4.991 min  
Delta R.T.: 0.000 min  
Response: 146339247  
Conc: 912.25 ng/ml



#19 AR-1242-4

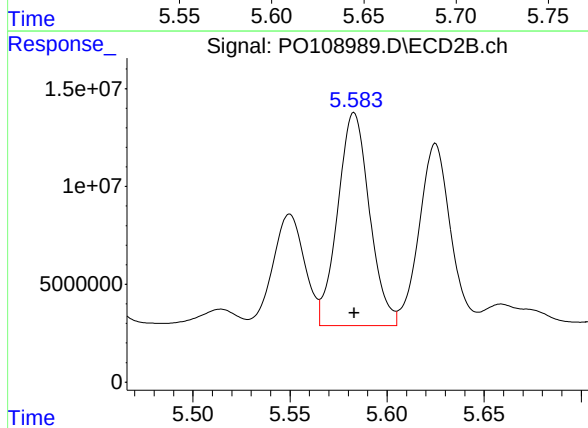
R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 101694040  
Conc: 889.38 ng/ml



#20 AR-1242-5

R.T.: 5.645 min  
Delta R.T.: 0.000 min  
Response: 154300112  
Conc: 918.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



#20 AR-1242-5

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 124175329  
Conc: 913.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108990.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:02  
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: Jan 22 00:15:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 562.2E6 | 395.2E6  | 73.053  | 72.883  |
| 2) SA Decachlor...          | 8.761 | 8.711 | 470.5E6 | 232.8E6  | 71.765  | 71.637  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.795 | 4.782 | 151.0E6 | 101.7E6  | 704.801 | 711.471 |
| 17) L4 AR-1242-2            | 4.815 | 4.802 | 209.0E6 | 141.7E6  | 722.506 | 712.538 |
| 18) L4 AR-1242-3            | 4.871 | 4.977 | 146.0E6 | 78042866 | 707.390 | 705.144 |
| 19) L4 AR-1242-4            | 4.992 | 5.061 | 114.3E6 | 80053144 | 712.703 | 700.119 |
| 20) L4 AR-1242-5            | 5.647 | 5.583 | 118.9E6 | 96033799 | 708.101 | 706.674 |
| -----                       |       |       |         |          |         |         |

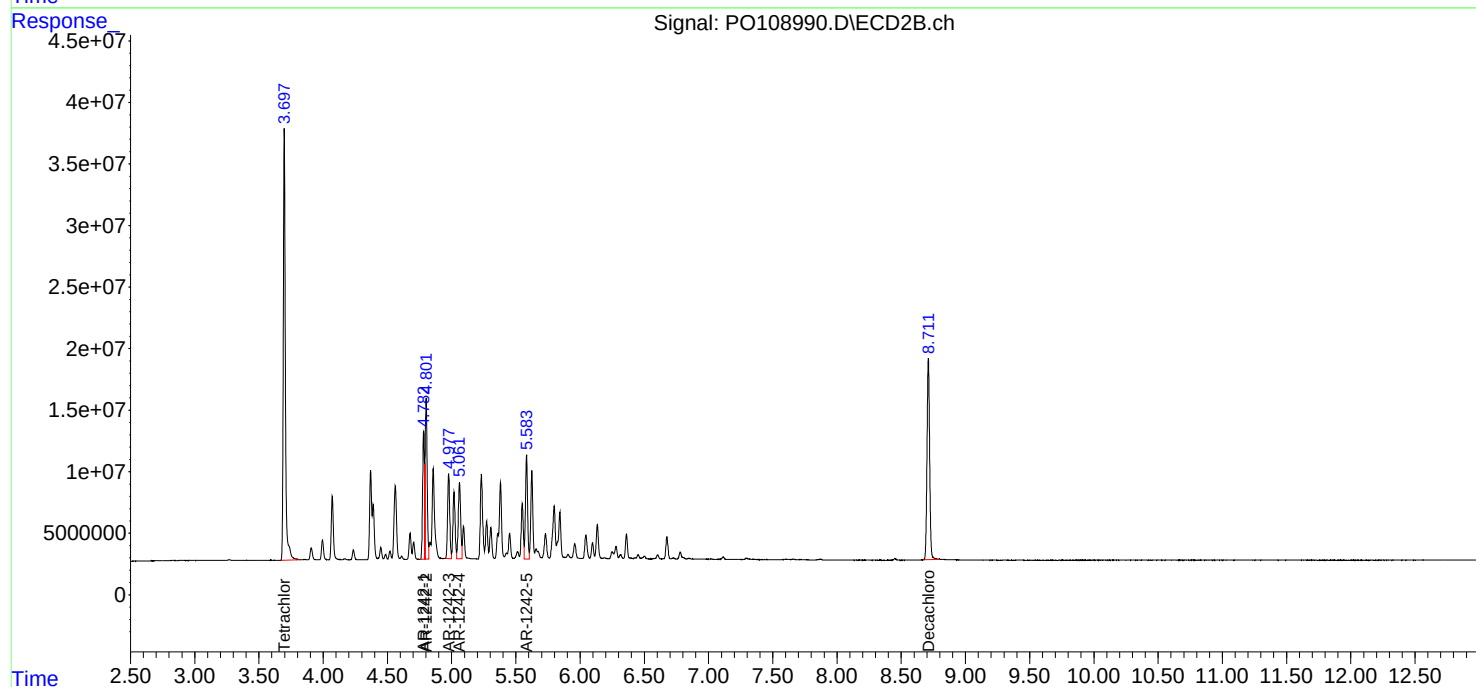
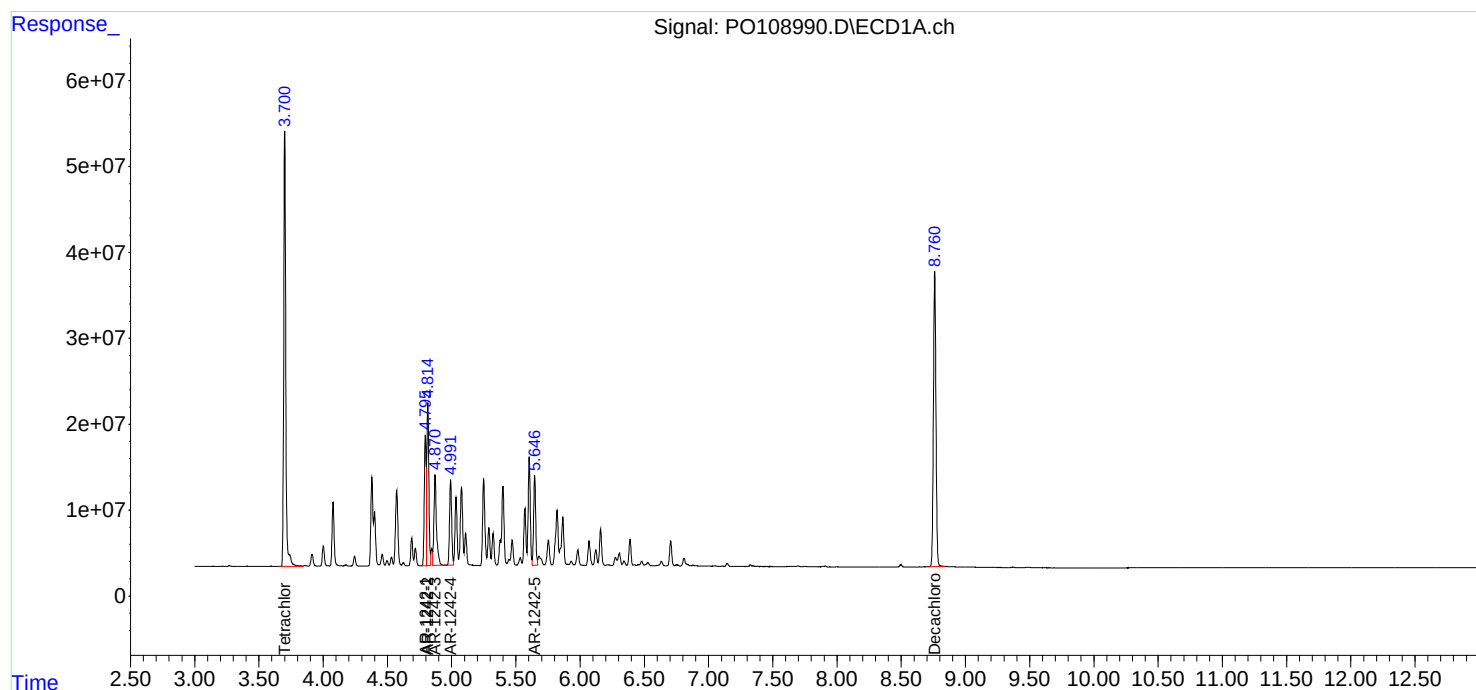
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

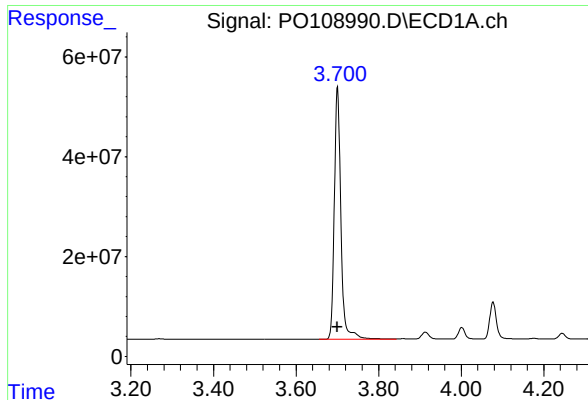
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108990.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:02  
Operator : YP/AJ  
Sample : AR1242ICC750  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:15:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

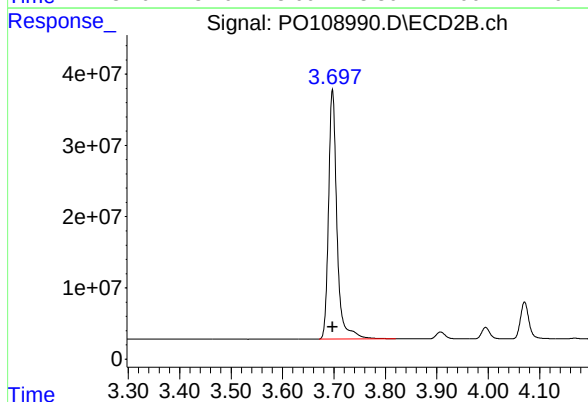




## #1 Tetrachloro-m-xylene

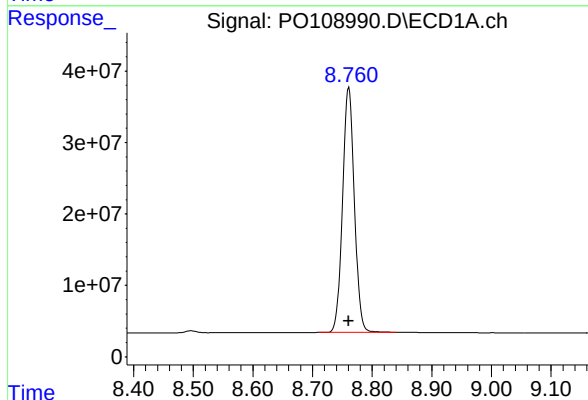
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 562238705  
Conc: 73.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750



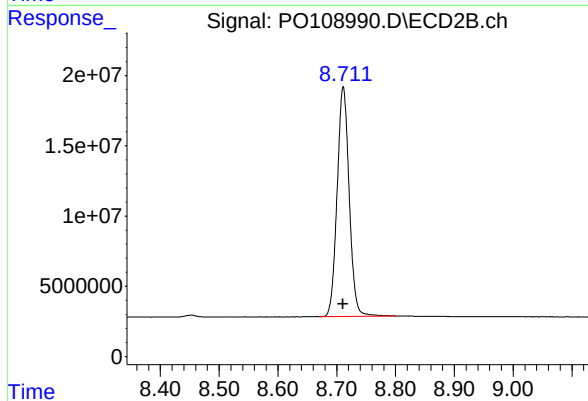
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 395204187  
Conc: 72.88 ng/ml



## #2 Decachlorobiphenyl

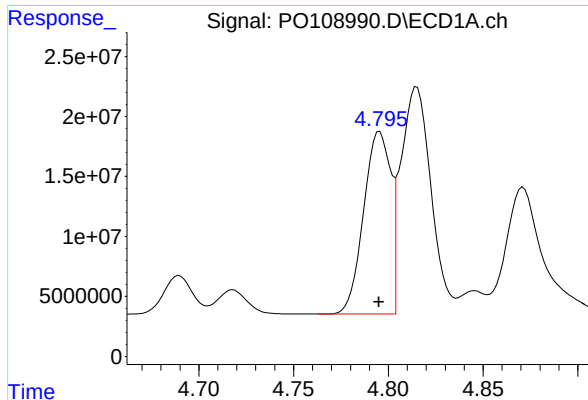
R.T.: 8.761 min  
Delta R.T.: 0.000 min  
Response: 470487230  
Conc: 71.76 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 232803088  
Conc: 71.64 ng/ml

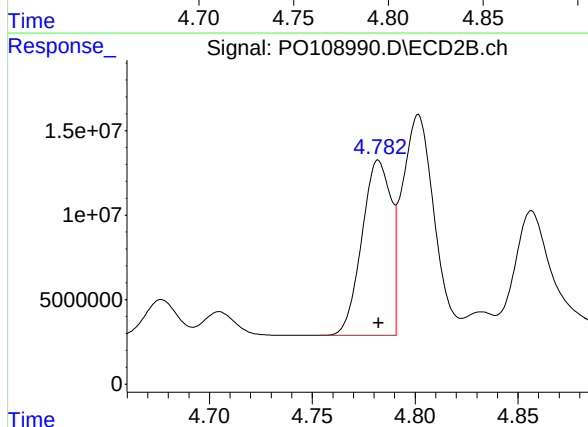




#16 AR-1242-1

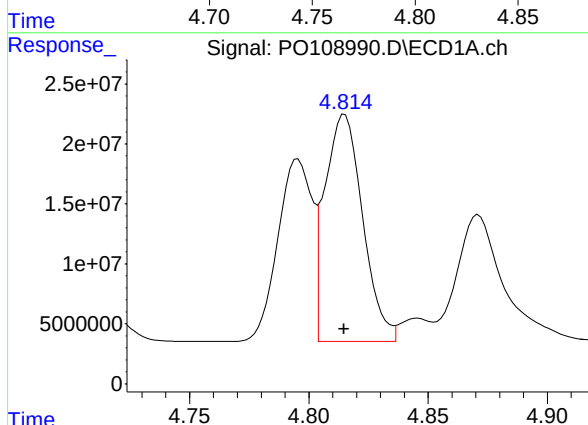
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 151042431  
Conc: 704.80 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750



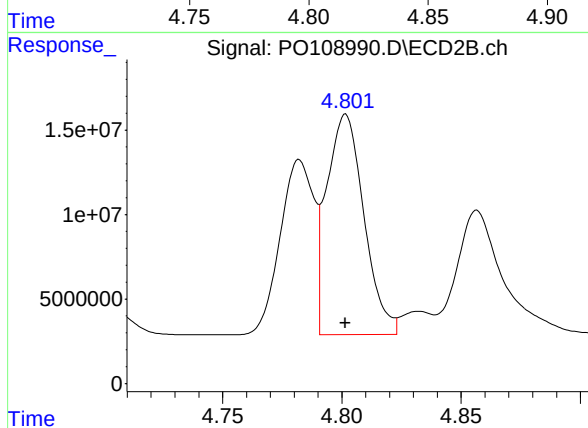
#16 AR-1242-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 101650649  
Conc: 711.47 ng/ml



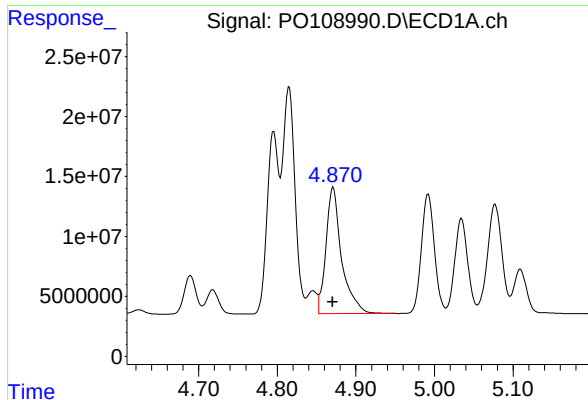
#17 AR-1242-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 208981285  
Conc: 722.51 ng/ml



#17 AR-1242-2

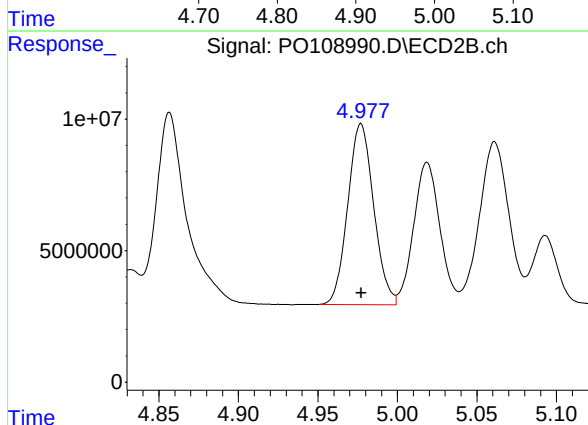
R.T.: 4.802 min  
Delta R.T.: 0.000 min  
Response: 141733778  
Conc: 712.54 ng/ml



#18 AR-1242-3

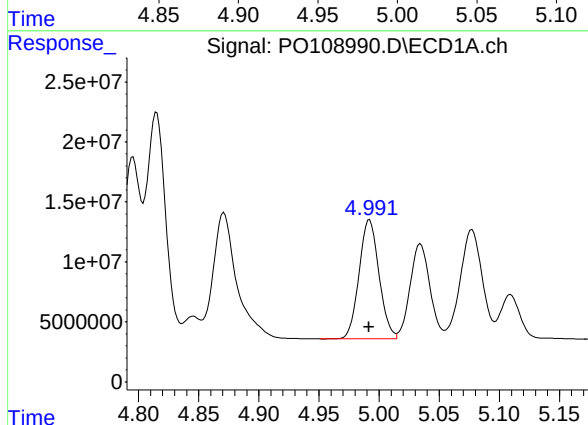
R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 146033967  
Conc: 707.39 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750



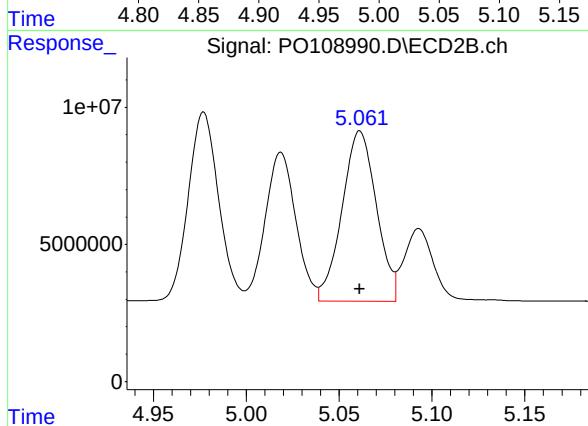
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 78042866  
Conc: 705.14 ng/ml



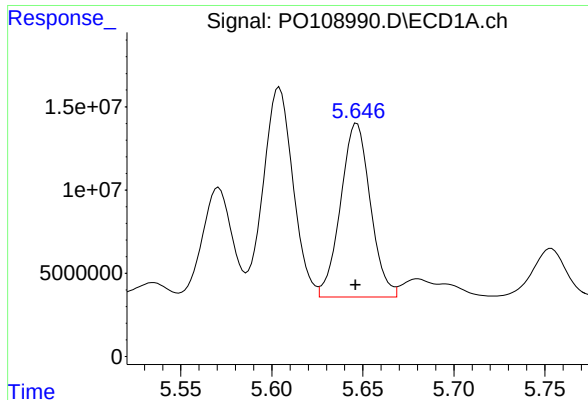
#19 AR-1242-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 114328627  
Conc: 712.70 ng/ml



#19 AR-1242-4

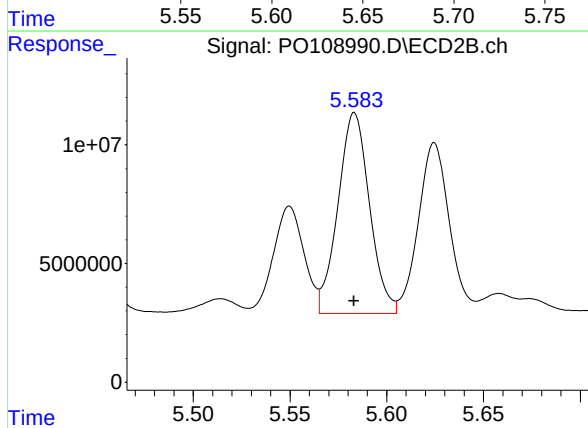
R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 80053144  
Conc: 700.12 ng/ml



#20 AR-1242-5

R.T.: 5.647 min  
Delta R.T.: 0.000 min  
Response: 118935182  
Conc: 708.10 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750



#20 AR-1242-5

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 96033799  
Conc: 706.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108991.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:21  
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: Jan 22 00:16:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 384.8E6  | 271.1E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.760 | 8.711 | 327.8E6  | 162.5E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.795 | 4.782 | 107.2E6  | 71436929 | 500.000 | 500.000 |
| 17) L4 AR-1242-2            | 4.815 | 4.801 | 144.6E6  | 99456965 | 500.000 | 500.000 |
| 18) L4 AR-1242-3            | 4.870 | 4.977 | 103.2E6  | 55338225 | 500.000 | 500.000 |
| 19) L4 AR-1242-4            | 4.992 | 5.061 | 80207781 | 57171096 | 500.000 | 500.000 |
| 20) L4 AR-1242-5            | 5.646 | 5.583 | 83981816 | 67947784 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

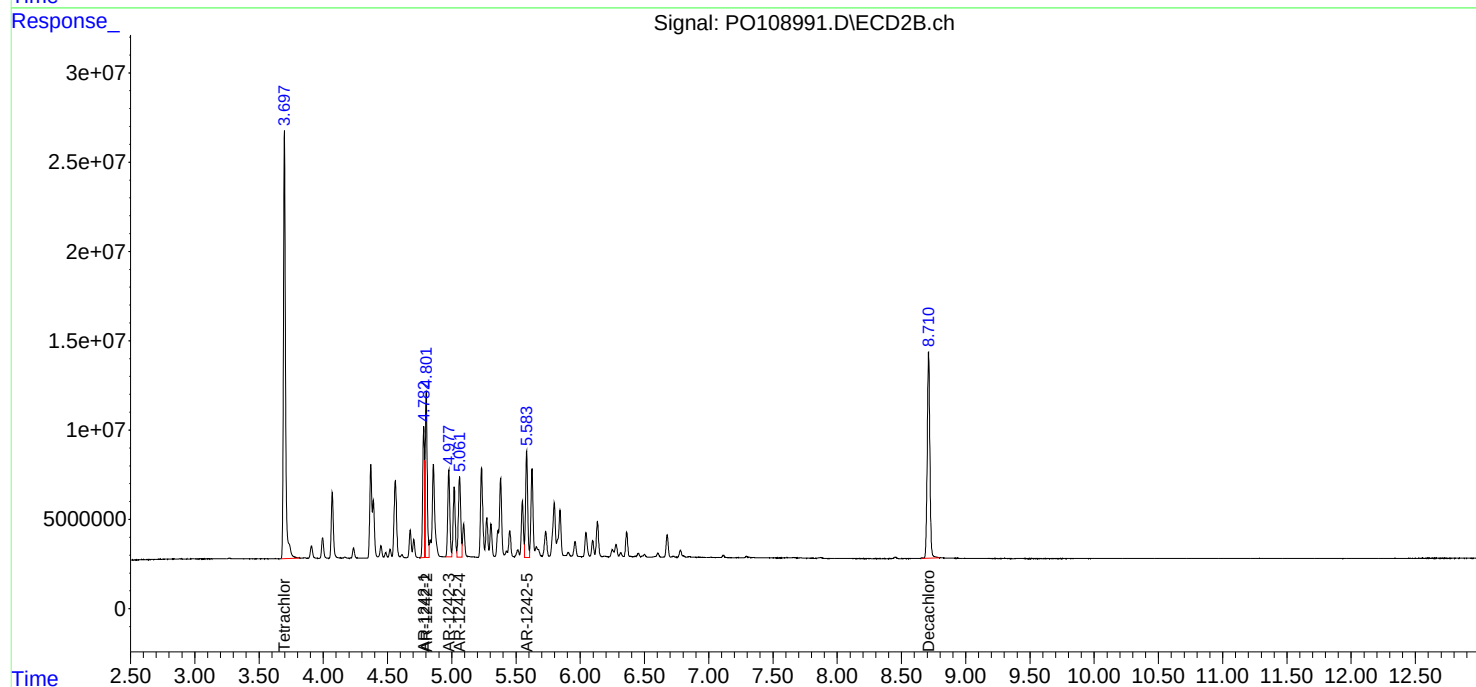
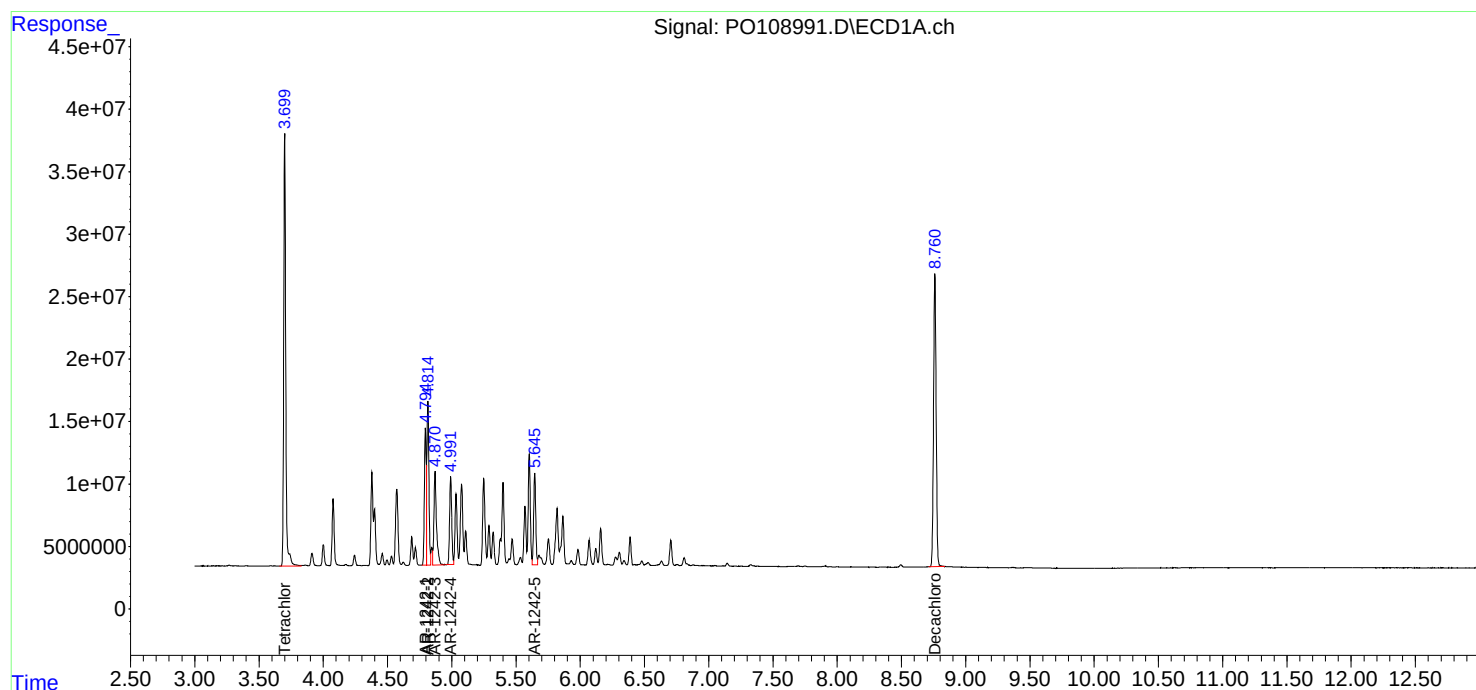
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

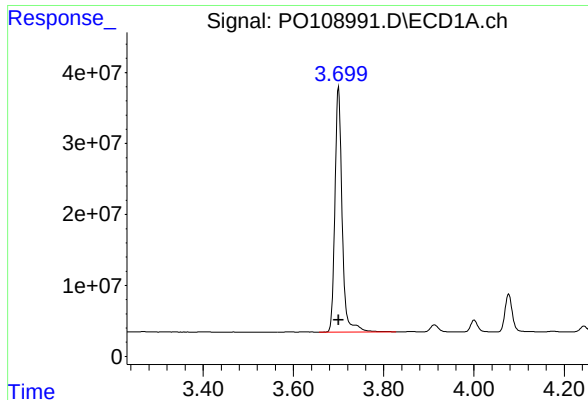
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108991.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:21  
Operator : YP/AJ  
Sample : AR1242ICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:16:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

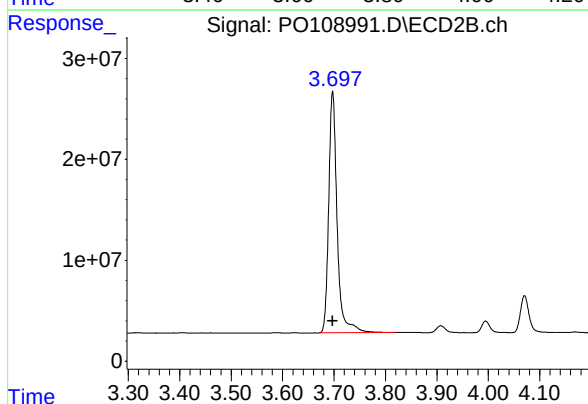




## #1 Tetrachloro-m-xylene

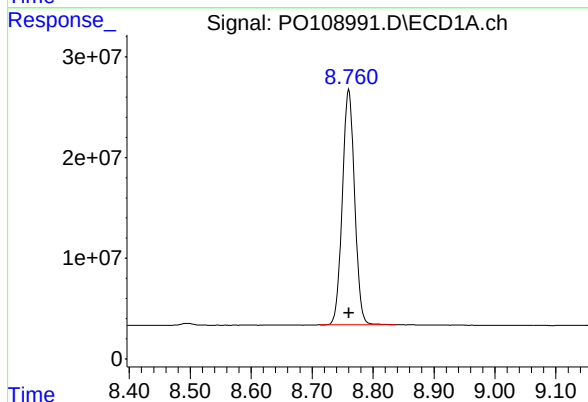
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 384817490  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



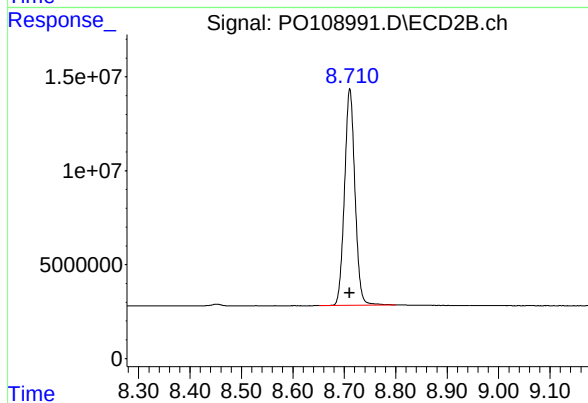
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 271121252  
Conc: 50.00 ng/ml



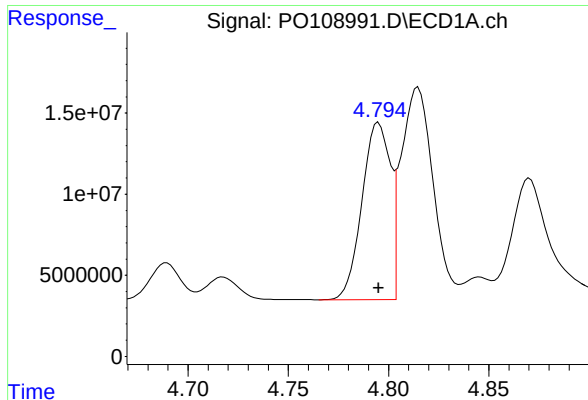
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 327798490  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

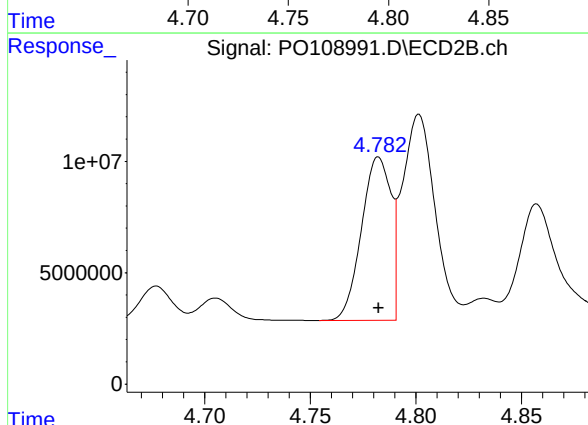
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 162486896  
Conc: 50.00 ng/ml



#16 AR-1242-1

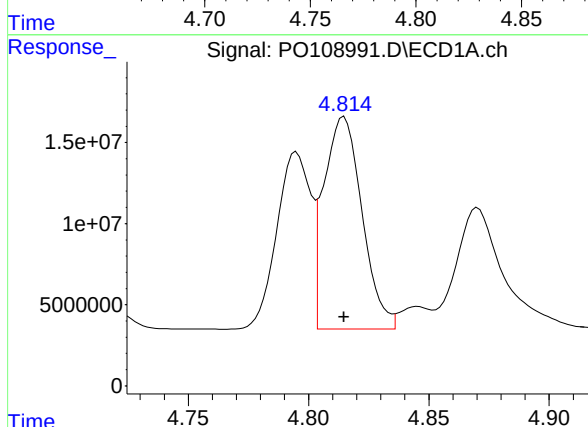
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 107152493  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



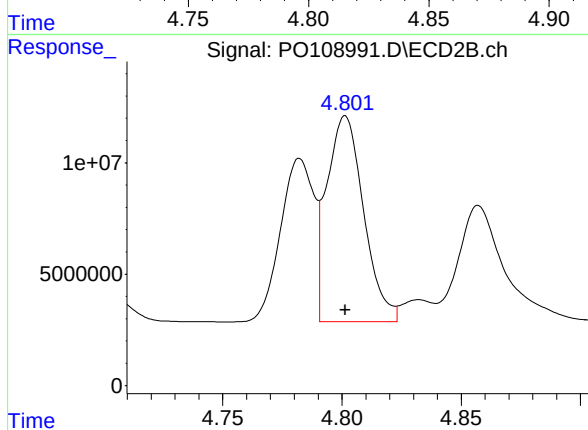
#16 AR-1242-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 71436929  
Conc: 500.00 ng/ml



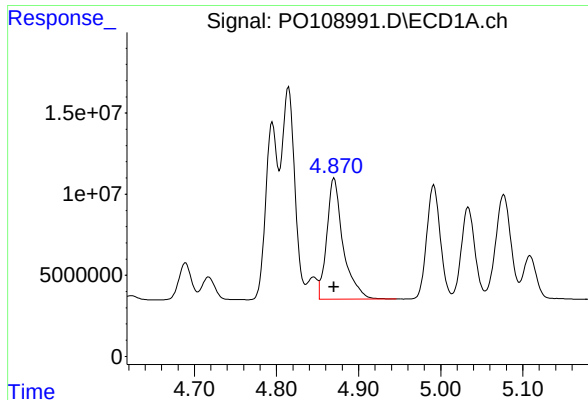
#17 AR-1242-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 144622436  
Conc: 500.00 ng/ml



#17 AR-1242-2

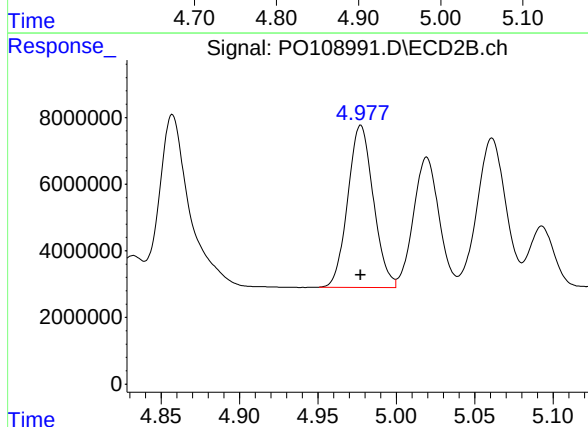
R.T.: 4.801 min  
Delta R.T.: 0.000 min  
Response: 99456965  
Conc: 500.00 ng/ml



#18 AR-1242-3

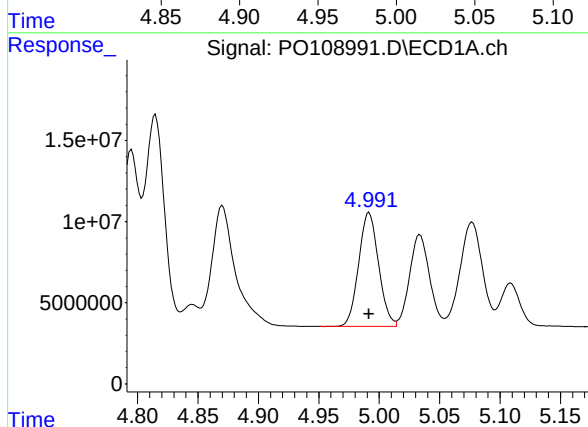
R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 103220329  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



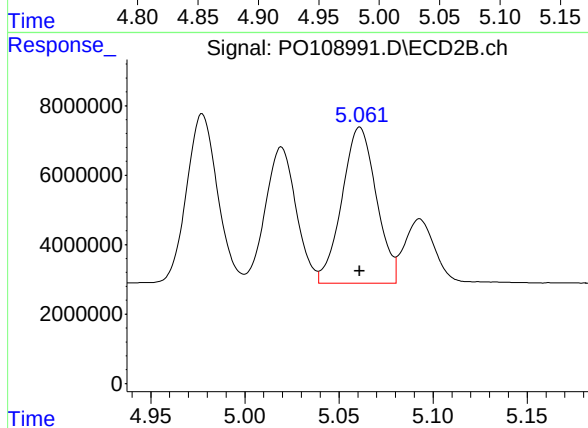
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 55338225  
Conc: 500.00 ng/ml



#19 AR-1242-4

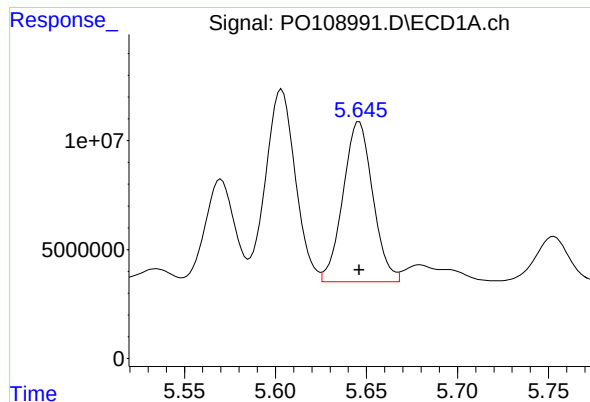
R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 80207781  
Conc: 500.00 ng/ml



#19 AR-1242-4

R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 57171096  
Conc: 500.00 ng/ml

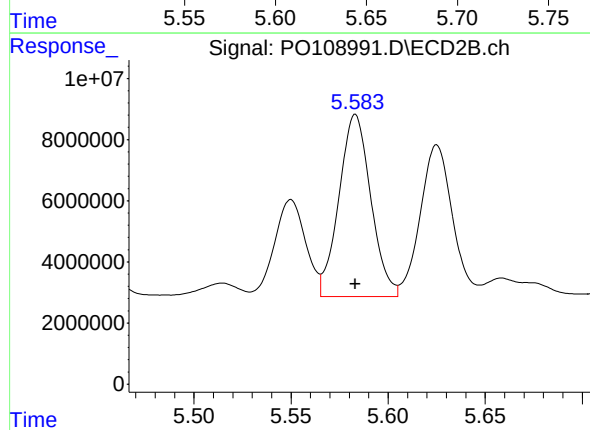




#20 AR-1242-5

R.T.: 5.646 min  
Delta R.T.: 0.000 min  
Response: 83981816  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



#20 AR-1242-5

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 67947784  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108992.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:39  
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: Jan 22 00:16:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.701 | 3.697 | 186.3E6  | 136.3E6  | 24.206  | 25.138  |
| 2) SA Decachlor...          | 8.760 | 8.712 | 171.8E6  | 86119052 | 26.209  | 26.500  |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.795 | 4.782 | 56500980 | 37847473 | 263.648 | 264.901 |
| 17) L4 AR-1242-2            | 4.815 | 4.801 | 76017956 | 51772477 | 262.815 | 260.276 |
| 18) L4 AR-1242-3            | 4.871 | 4.977 | 55207672 | 29004573 | 267.426 | 262.066 |
| 19) L4 AR-1242-4            | 4.992 | 5.061 | 42559399 | 30861857 | 265.307 | 269.908 |
| 20) L4 AR-1242-5            | 5.646 | 5.582 | 44600435 | 36314062 | 265.536 | 267.220 |
| -----                       |       |       |          |          |         |         |

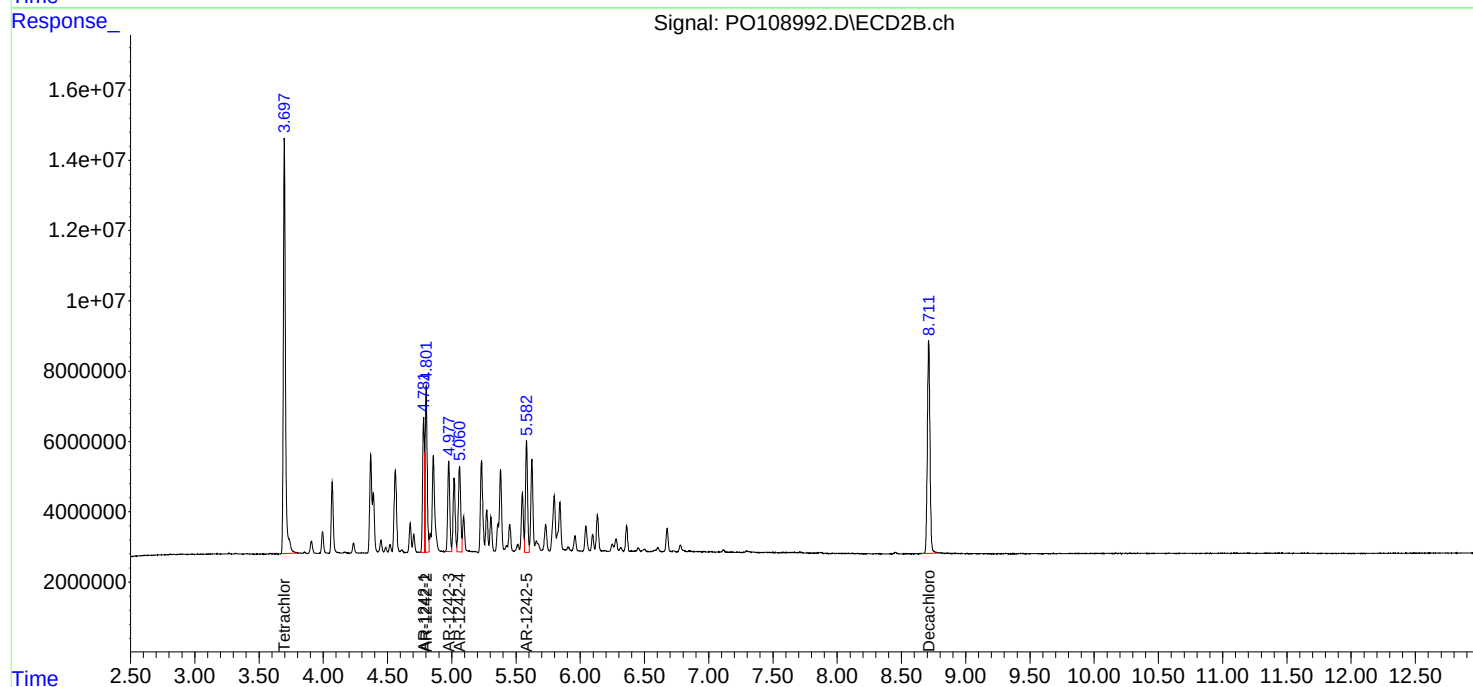
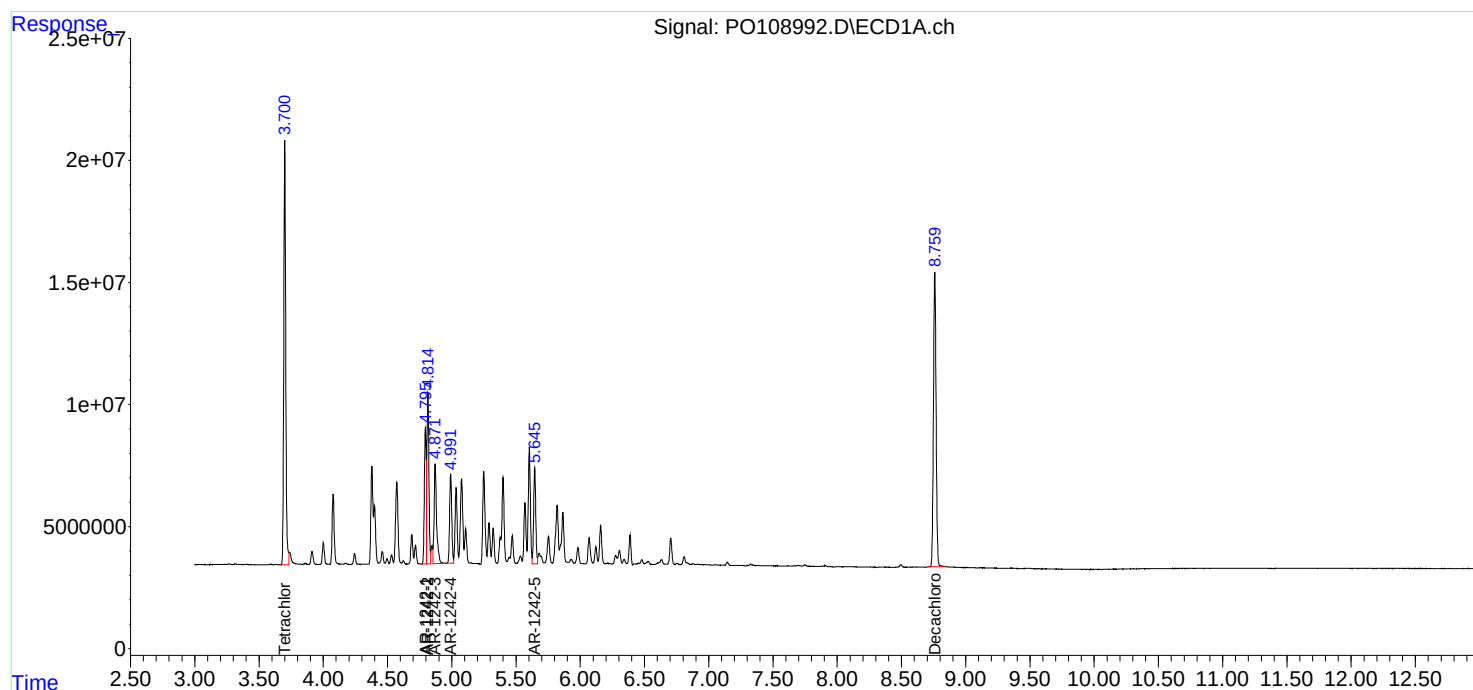
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

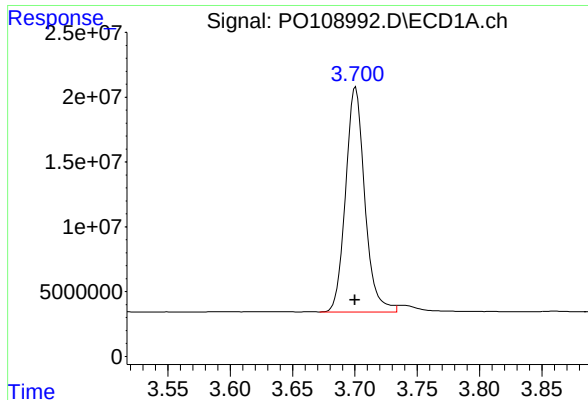
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108992.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:39  
Operator : YP/AJ  
Sample : AR1242ICC250  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:16:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

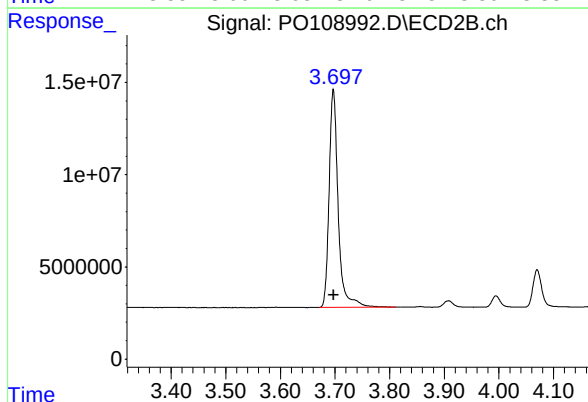




## #1 Tetrachloro-m-xylene

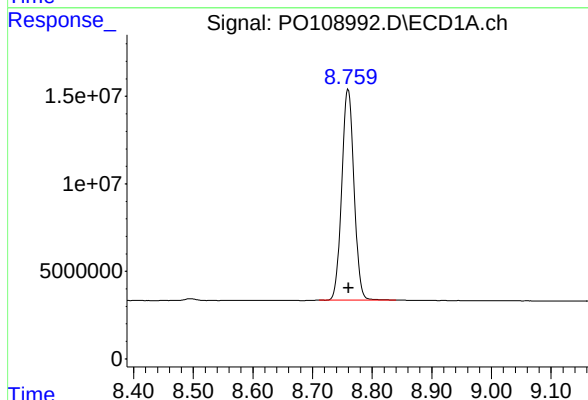
R.T.: 3.701 min  
Delta R.T.: 0.000 min  
Response: 186294503  
Conc: 24.21 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



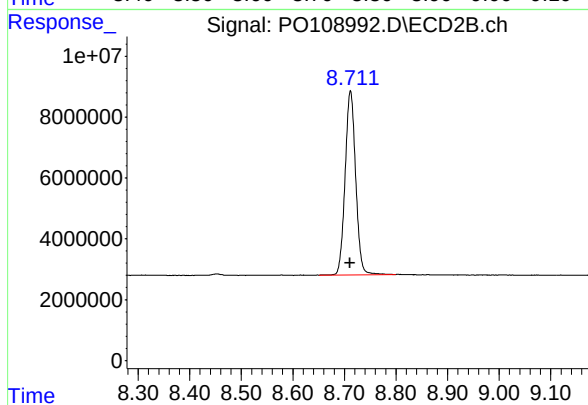
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 136306672  
Conc: 25.14 ng/ml



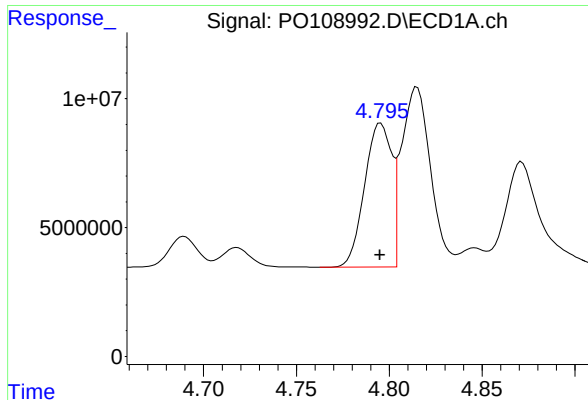
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 171826256  
Conc: 26.21 ng/ml



## #2 Decachlorobiphenyl

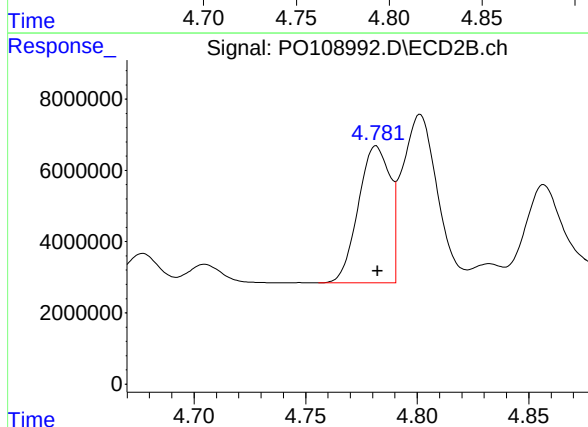
R.T.: 8.712 min  
Delta R.T.: 0.000 min  
Response: 86119052  
Conc: 26.50 ng/ml



#16 AR-1242-1

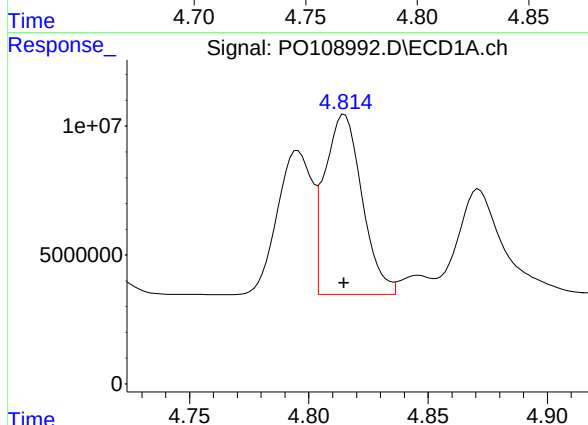
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 56500980  
Conc: 263.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



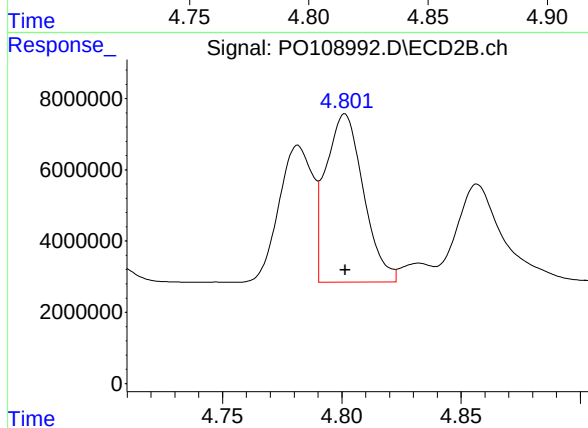
#16 AR-1242-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 37847473  
Conc: 264.90 ng/ml



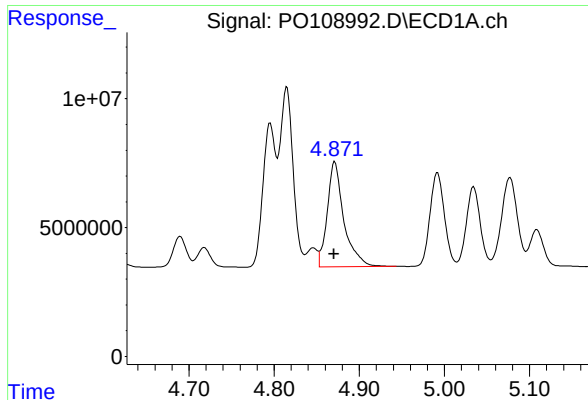
#17 AR-1242-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 76017956  
Conc: 262.82 ng/ml



#17 AR-1242-2

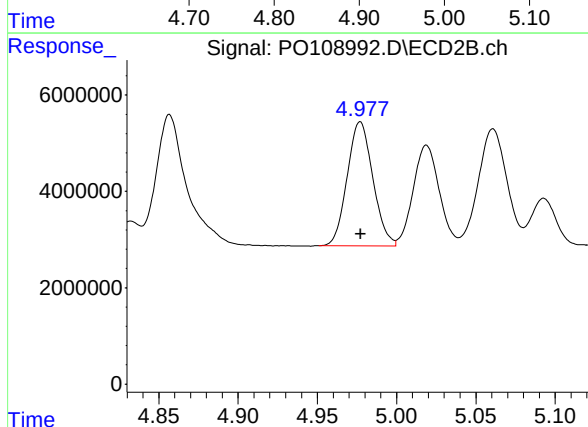
R.T.: 4.801 min  
Delta R.T.: 0.000 min  
Response: 51772477  
Conc: 260.28 ng/ml



#18 AR-1242-3

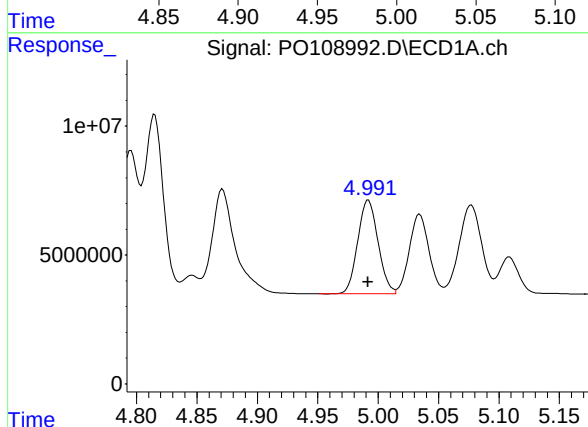
R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 55207672  
Conc: 267.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



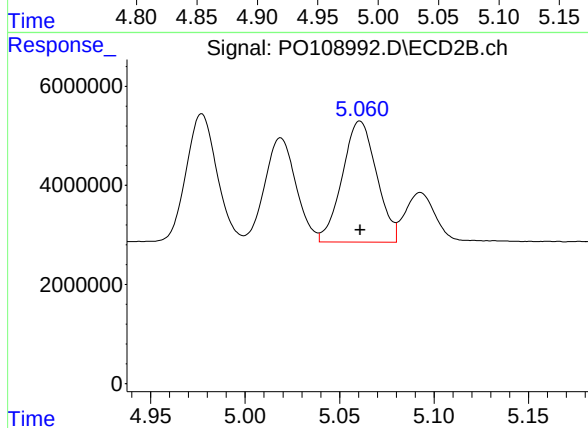
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 29004573  
Conc: 262.07 ng/ml



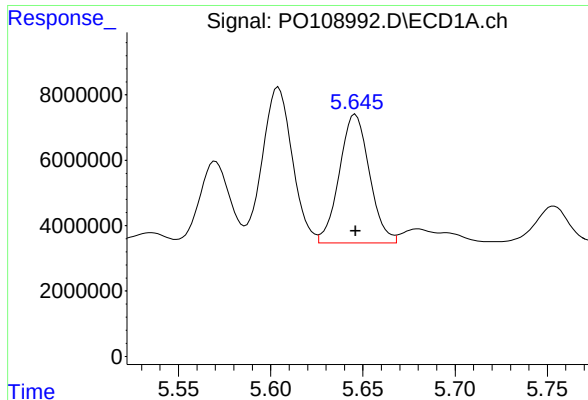
#19 AR-1242-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 42559399  
Conc: 265.31 ng/ml



#19 AR-1242-4

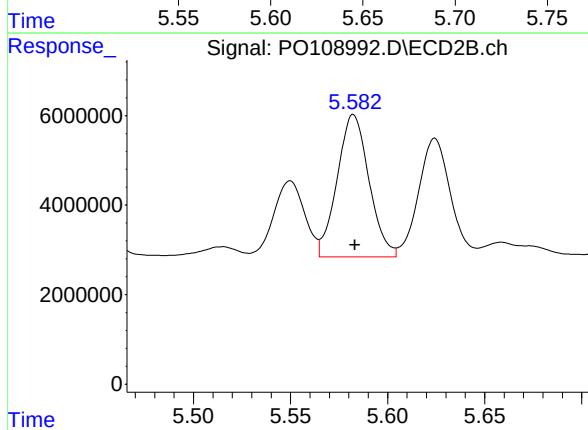
R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 30861857  
Conc: 269.91 ng/ml



#20 AR-1242-5

R.T.: 5.646 min  
Delta R.T.: 0.000 min  
Response: 44600435  
Conc: 265.54 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



#20 AR-1242-5

R.T.: 5.582 min  
Delta R.T.: 0.000 min  
Response: 36314062  
Conc: 267.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108993.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 20:57  
 Operator : YP/AJ  
 Sample : AR1242ICC050  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
 Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 22 00:16:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 00:13:30 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.698 | 3.696 | 32934791 | 24712120 | 4.279m  | 4.557   |
| 2) SA Decachlor...          | 8.759 | 8.710 | 34941101 | 17762519 | 5.330   | 5.466   |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.794 | 4.781 | 11265432 | 7723311  | 52.567  | 54.057  |
| 17) L4 AR-1242-2            | 4.814 | 4.800 | 14678723 | 10365635 | 50.748  | 52.111  |
| 18) L4 AR-1242-3            | 4.870 | 4.976 | 10768108 | 5718985  | 52.161  | 51.673  |
| 19) L4 AR-1242-4            | 4.990 | 5.060 | 8245810  | 6099899  | 51.403m | 53.348m |
| 20) L4 AR-1242-5            | 5.644 | 5.581 | 8795473  | 7528068  | 52.365  | 55.396m |
| -----                       |       |       |          |          |         |         |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108993.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 20:57  
Operator : YP/AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

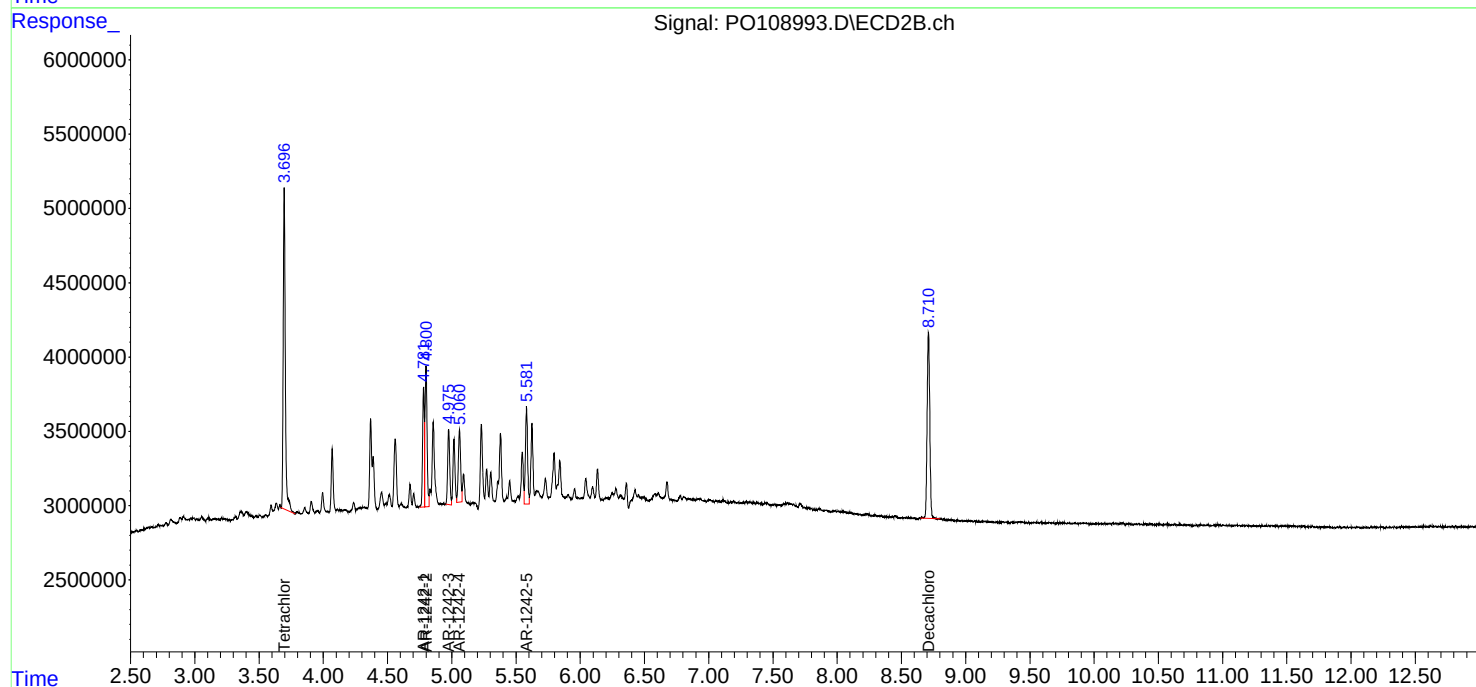
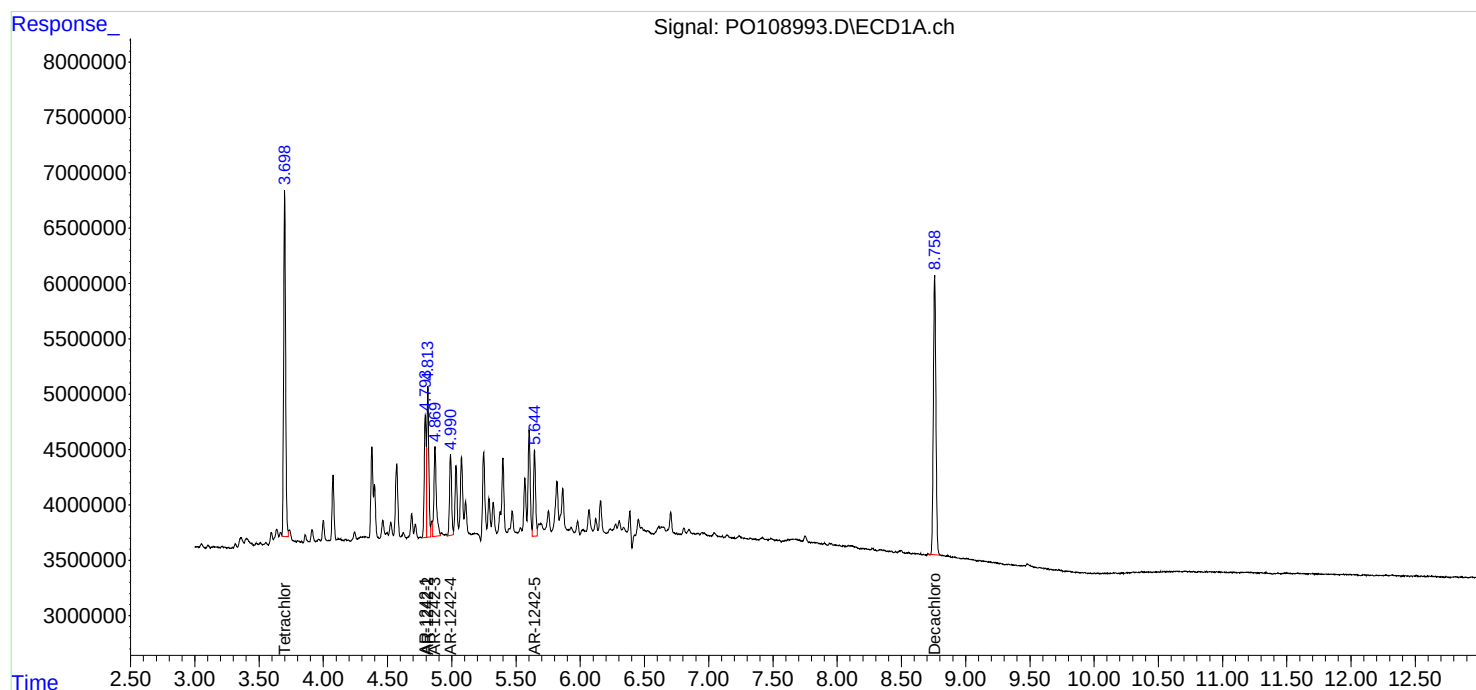
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

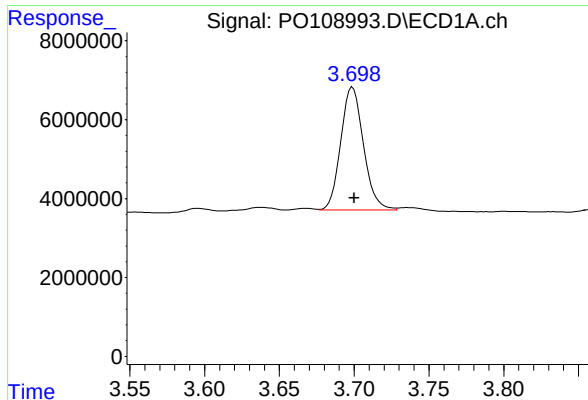
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:16:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:13:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





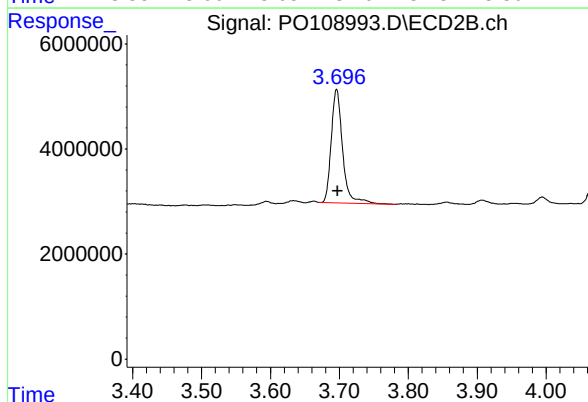
## #1 Tetrachloro-m-xylene

R.T.: 3.698 min  
Delta R.T.: -0.002 min  
Response: 32934791  
Conc: 4.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

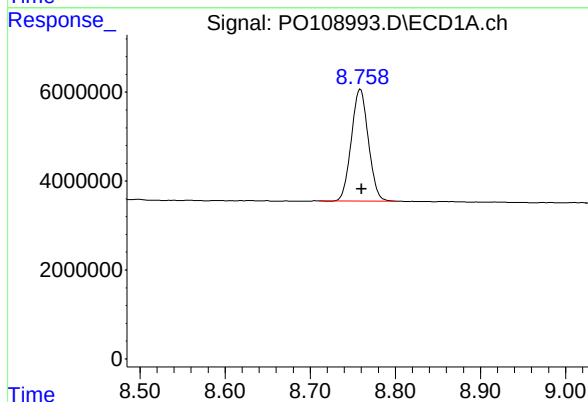
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



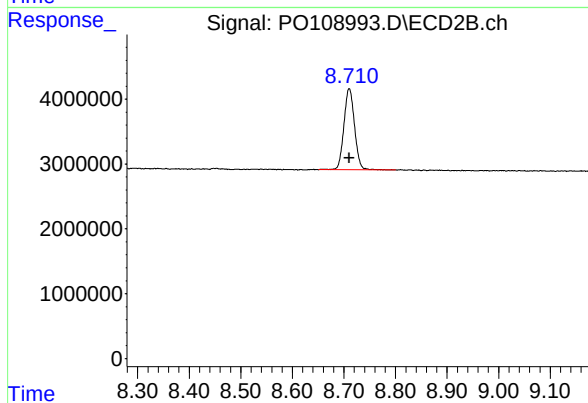
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.001 min  
Response: 24712120  
Conc: 4.56 ng/ml



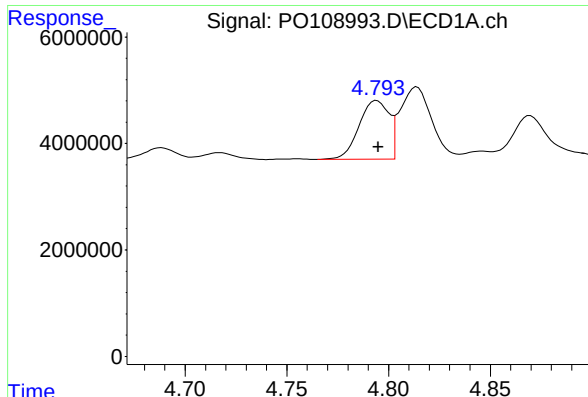
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: -0.001 min  
Response: 34941101  
Conc: 5.33 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 17762519  
Conc: 5.47 ng/ml



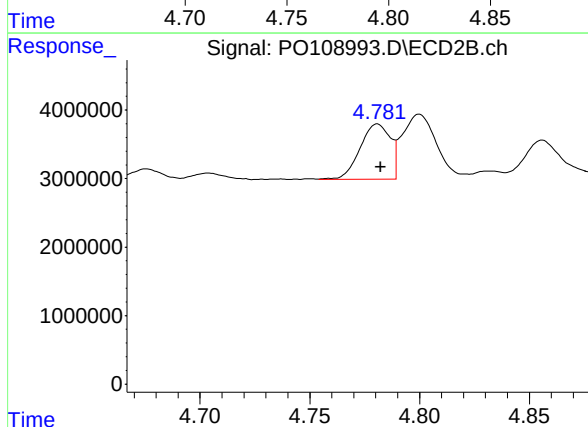
#16 AR-1242-1

R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 11265432  
Conc: 52.57 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

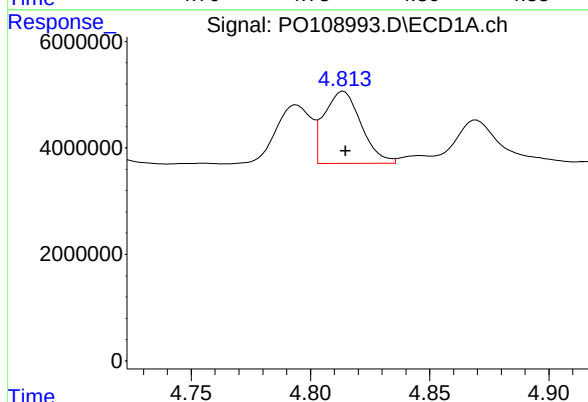
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



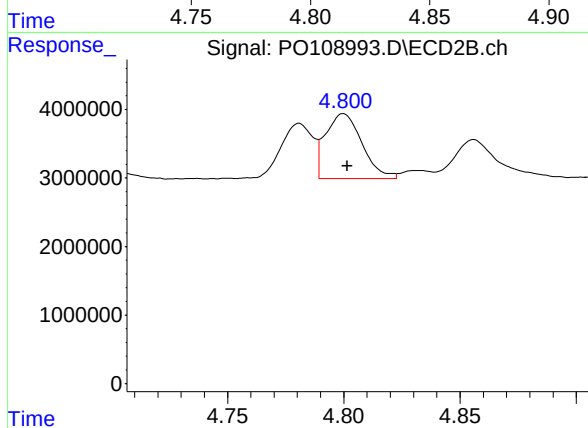
#16 AR-1242-1

R.T.: 4.781 min  
Delta R.T.: -0.001 min  
Response: 7723311  
Conc: 54.06 ng/ml



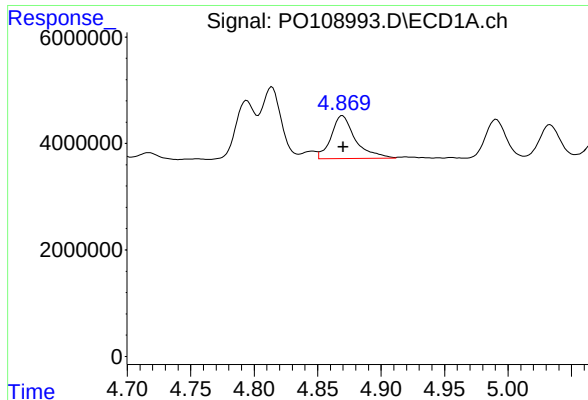
#17 AR-1242-2

R.T.: 4.814 min  
Delta R.T.: 0.000 min  
Response: 14678723  
Conc: 50.75 ng/ml



#17 AR-1242-2

R.T.: 4.800 min  
Delta R.T.: -0.001 min  
Response: 10365635  
Conc: 52.11 ng/ml



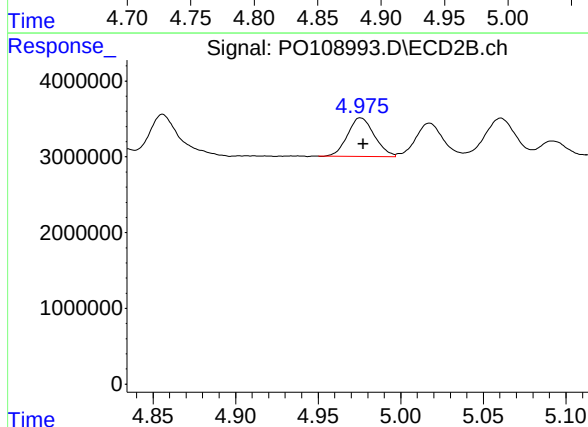
#18 AR-1242-3

R.T.: 4.870 min  
Delta R.T.: 0.000 min  
Response: 10768108  
Conc: 52.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Manual Integrations  
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Supervised By :Ankita Jodhani 01/22/2025

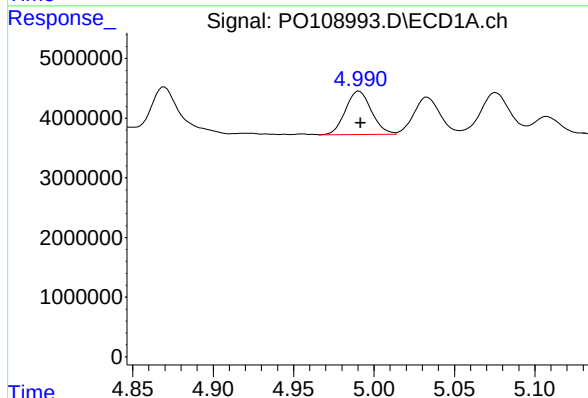


#18 AR-1242-3

R.T.: 4.976 min  
Delta R.T.: -0.002 min  
Response: 5718985  
Conc: 51.67 ng/ml

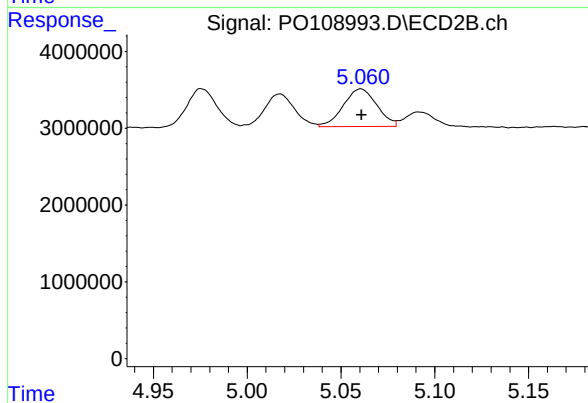
01/22/2025  
Supervised By :Ankita  
Jodhani

01/22/2025



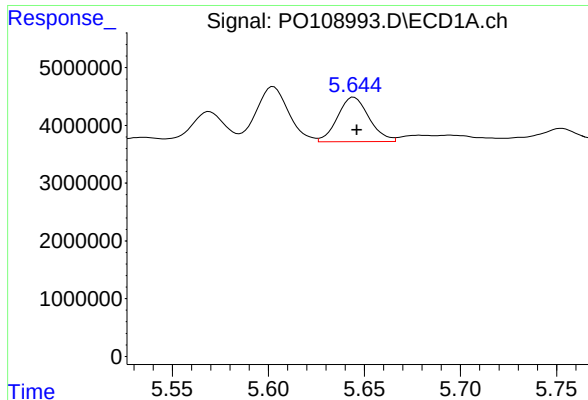
#19 AR-1242-4

R.T.: 4.990 min  
Delta R.T.: -0.002 min  
Response: 8245810  
Conc: 51.40 ng/ml m



#19 AR-1242-4

R.T.: 5.060 min  
Delta R.T.: 0.000 min  
Response: 6099899  
Conc: 53.35 ng/ml m



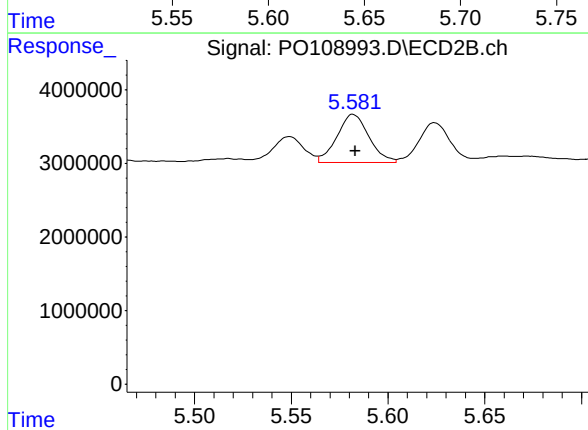
#20 AR-1242-5

R.T.: 5.644 min  
Delta R.T.: -0.002 min  
Response: 8795473  
Conc: 52.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



#20 AR-1242-5

R.T.: 5.581 min  
Delta R.T.: -0.002 min  
Response: 7528068  
Conc: 55.40 ng/ml

01/22/2025  
Supervised By :Ankita  
Jodhani

01/22/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108994.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:16  
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: Jan 22 00:27:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 718.5E6 | 507.3E6  | 95.995  | 96.003  |
| 2) SA Decachlor...          | 8.760 | 8.712 | 607.3E6 | 301.0E6  | 92.569  | 92.303  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.795 | 4.781 | 145.2E6 | 97508588 | 920.560 | 915.227 |
| 22) L5 AR-1248-2            | 5.033 | 5.019 | 197.3E6 | 136.0E6  | 900.906 | 896.764 |
| 23) L5 AR-1248-3            | 5.249 | 5.061 | 248.2E6 | 146.0E6  | 916.874 | 904.152 |
| 24) L5 AR-1248-4            | 5.604 | 5.232 | 351.6E6 | 171.7E6  | 927.134 | 913.959 |
| 25) L5 AR-1248-5            | 5.646 | 5.624 | 245.7E6 | 167.8E6  | 935.373 | 932.078 |
| -----                       |       |       |         |          |         |         |

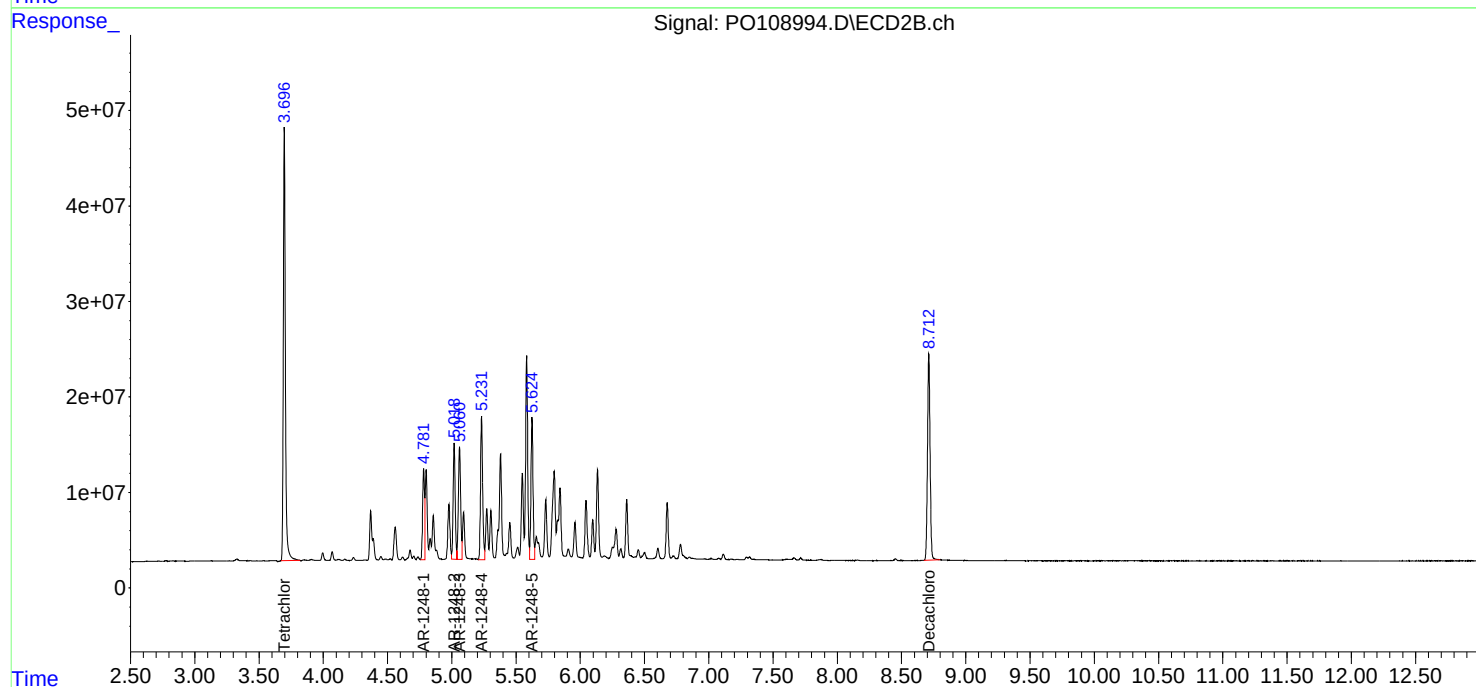
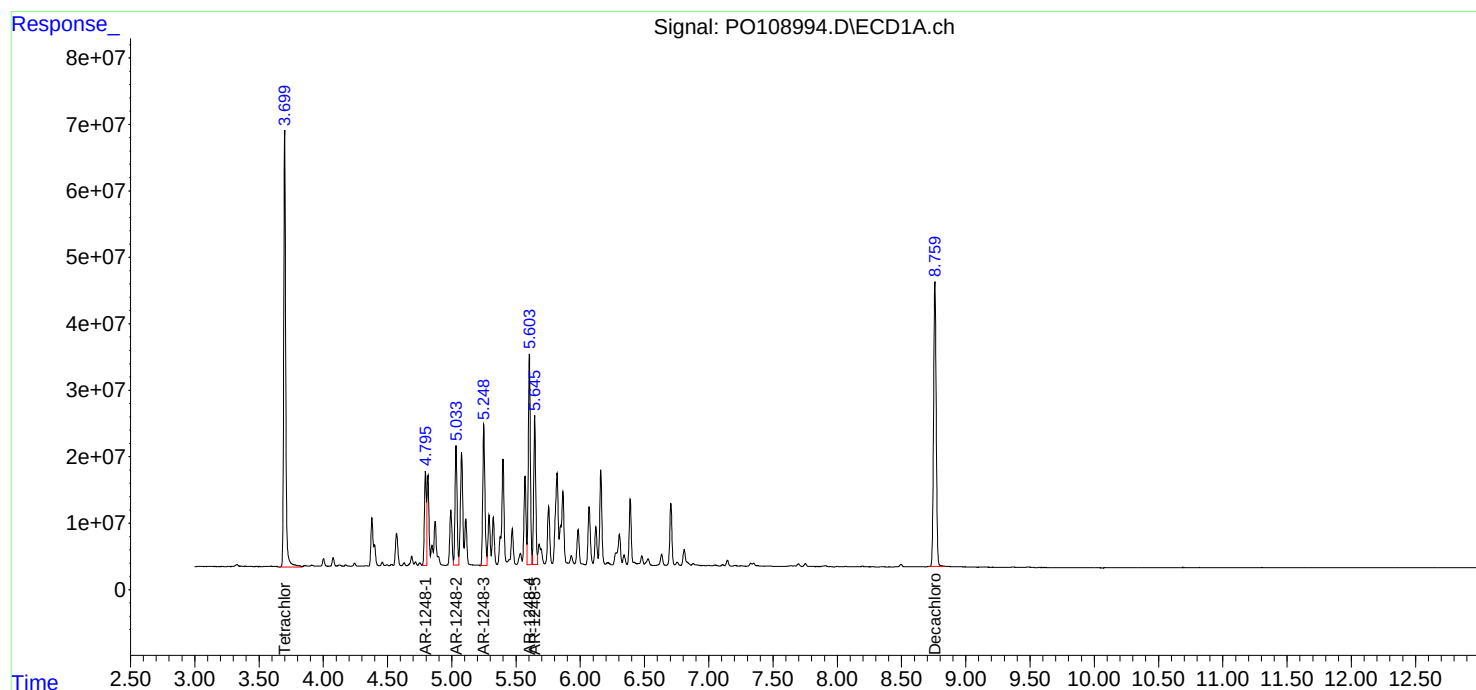
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

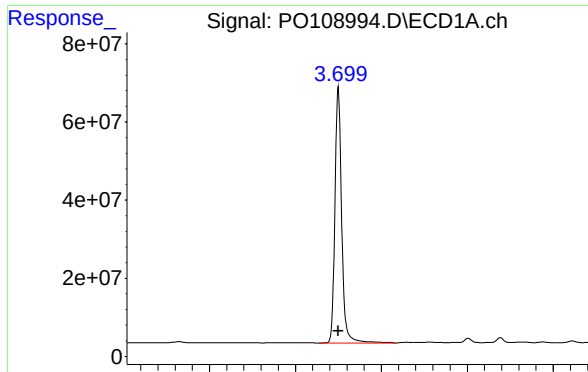
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108994.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:16  
Operator : YP/AJ  
Sample : AR1248ICC1000  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:27:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

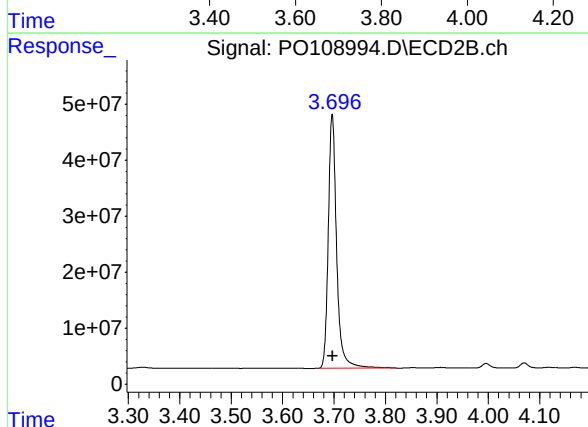




## #1 Tetrachloro-m-xylene

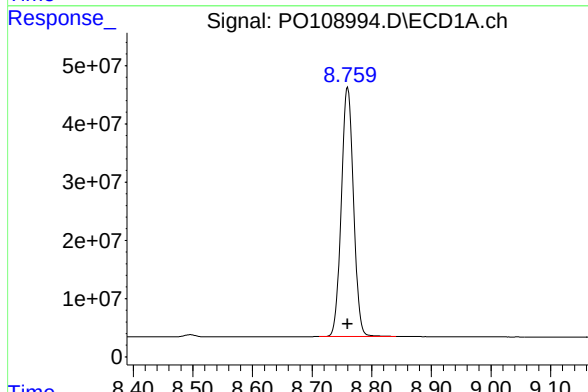
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 718459392  
Conc: 95.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



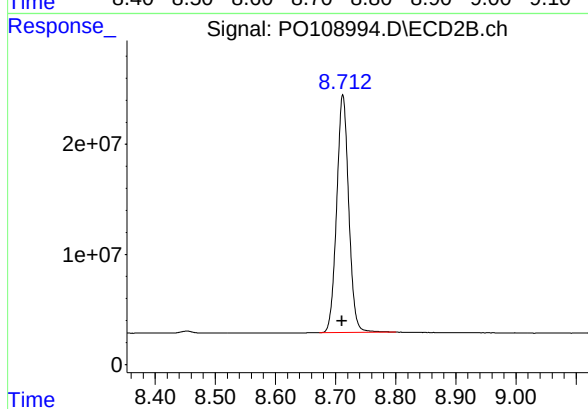
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 507274891  
Conc: 96.00 ng/ml



## #2 Decachlorobiphenyl

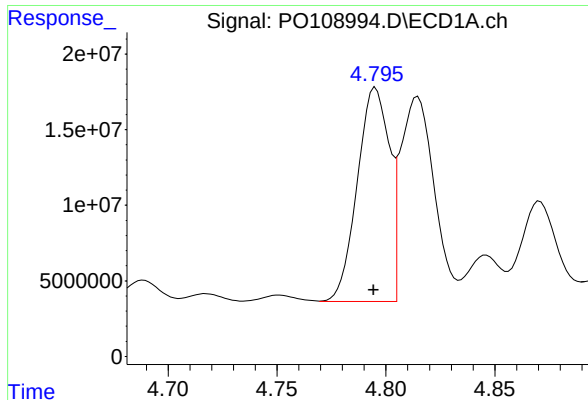
R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 607263994  
Conc: 92.57 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: 0.001 min  
Response: 300959540  
Conc: 92.30 ng/ml

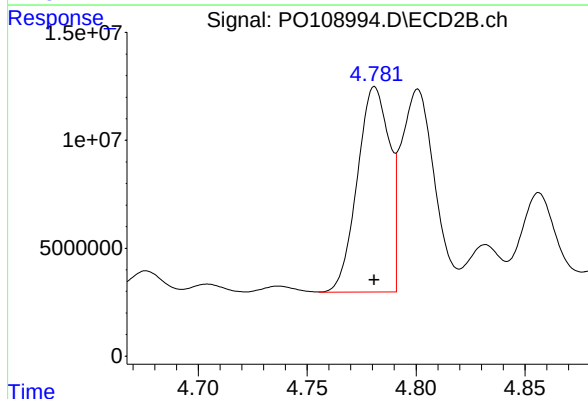




#21 AR-1248-1

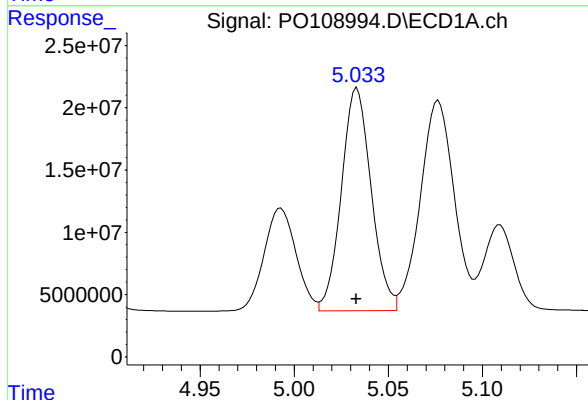
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 145246997  
Conc: 920.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



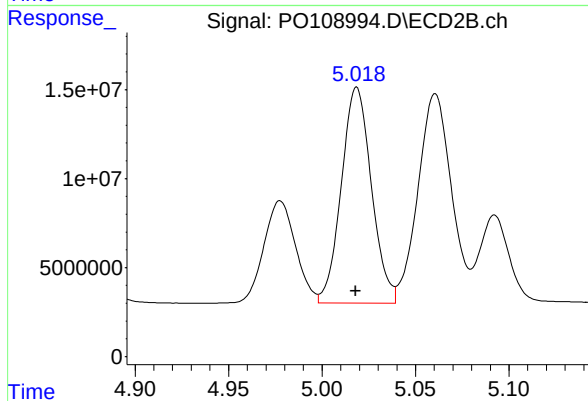
#21 AR-1248-1

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 97508588  
Conc: 915.23 ng/ml



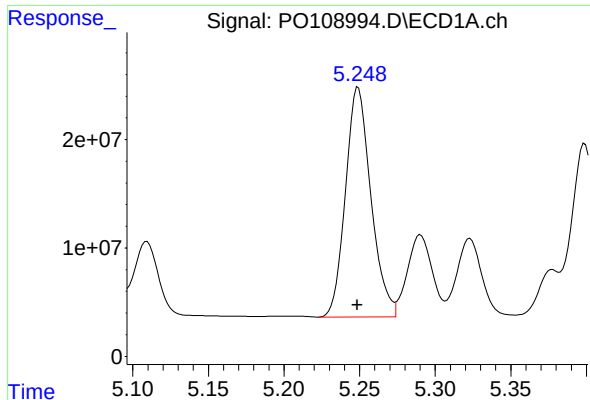
#22 AR-1248-2

R.T.: 5.033 min  
Delta R.T.: 0.000 min  
Response: 197265768  
Conc: 900.91 ng/ml



#22 AR-1248-2

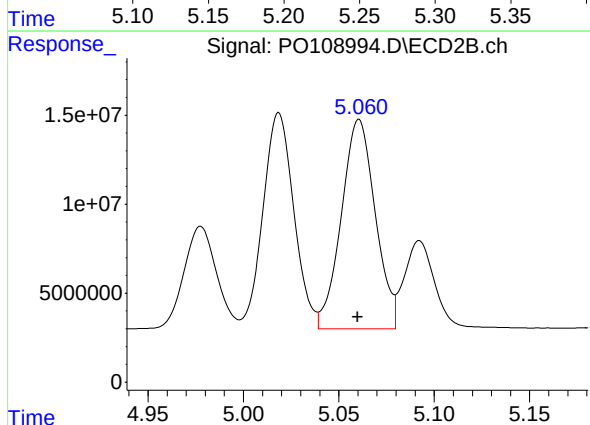
R.T.: 5.019 min  
Delta R.T.: 0.000 min  
Response: 135954819  
Conc: 896.76 ng/ml



#23 AR-1248-3

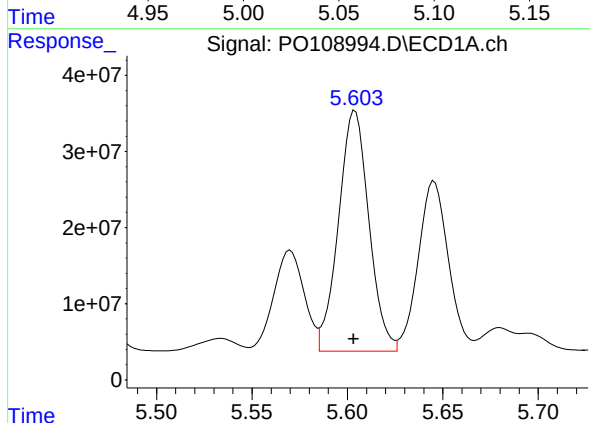
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 248188978  
Conc: 916.87 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



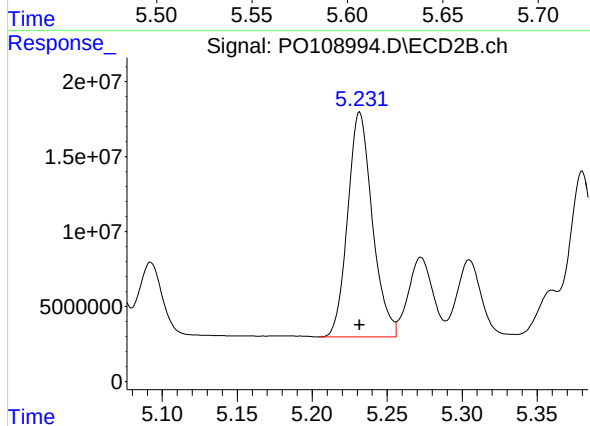
#23 AR-1248-3

R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 145968318  
Conc: 904.15 ng/ml



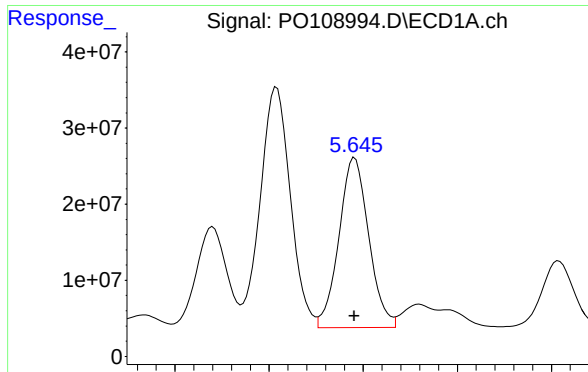
#24 AR-1248-4

R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 351583188  
Conc: 927.13 ng/ml



#24 AR-1248-4

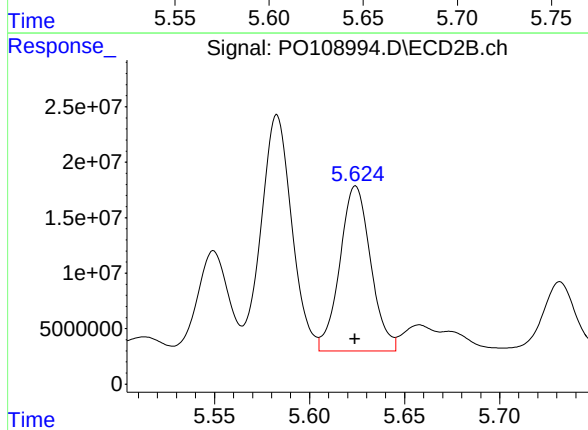
R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 171715835  
Conc: 913.96 ng/ml



#25 AR-1248-5

R.T.: 5.646 min  
Delta R.T.: 0.000 min  
Response: 245666962  
Conc: 935.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.624 min  
Delta R.T.: 0.000 min  
Response: 167823607  
Conc: 932.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108995.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:34  
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: Jan 22 00:27:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 552.8E6 | 391.8E6  | 73.858  | 74.152  |
| 2) SA Decachlor...          | 8.758 | 8.711 | 470.4E6 | 234.5E6  | 71.706  | 71.906  |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.794 | 4.781 | 112.8E6 | 75898589 | 715.170 | 712.393 |
| 22) L5 AR-1248-2            | 5.033 | 5.018 | 157.3E6 | 107.5E6  | 718.224 | 709.126 |
| 23) L5 AR-1248-3            | 5.249 | 5.060 | 193.4E6 | 114.7E6  | 714.439 | 710.527 |
| 24) L5 AR-1248-4            | 5.603 | 5.231 | 272.0E6 | 134.1E6  | 717.187 | 713.986 |
| 25) L5 AR-1248-5            | 5.645 | 5.624 | 188.9E6 | 129.5E6  | 719.270 | 719.116 |
| -----                       |       |       |         |          |         |         |

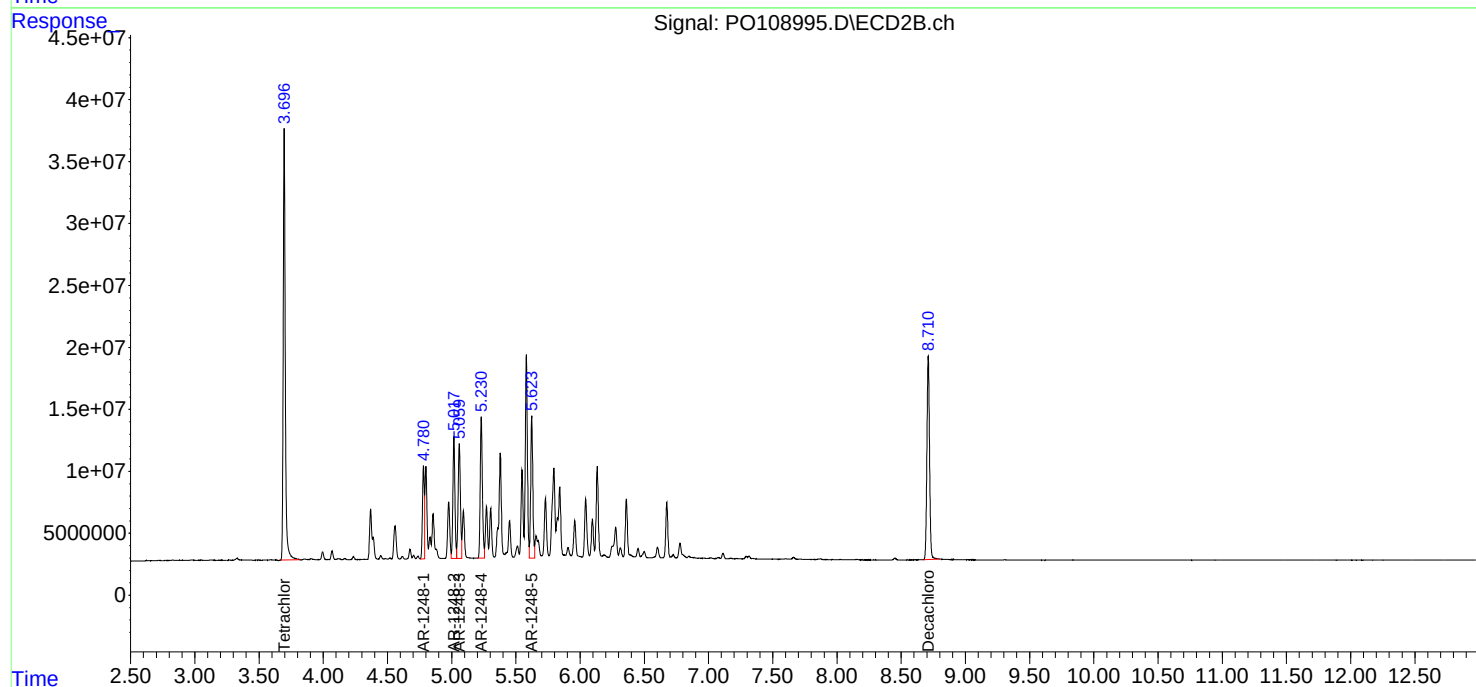
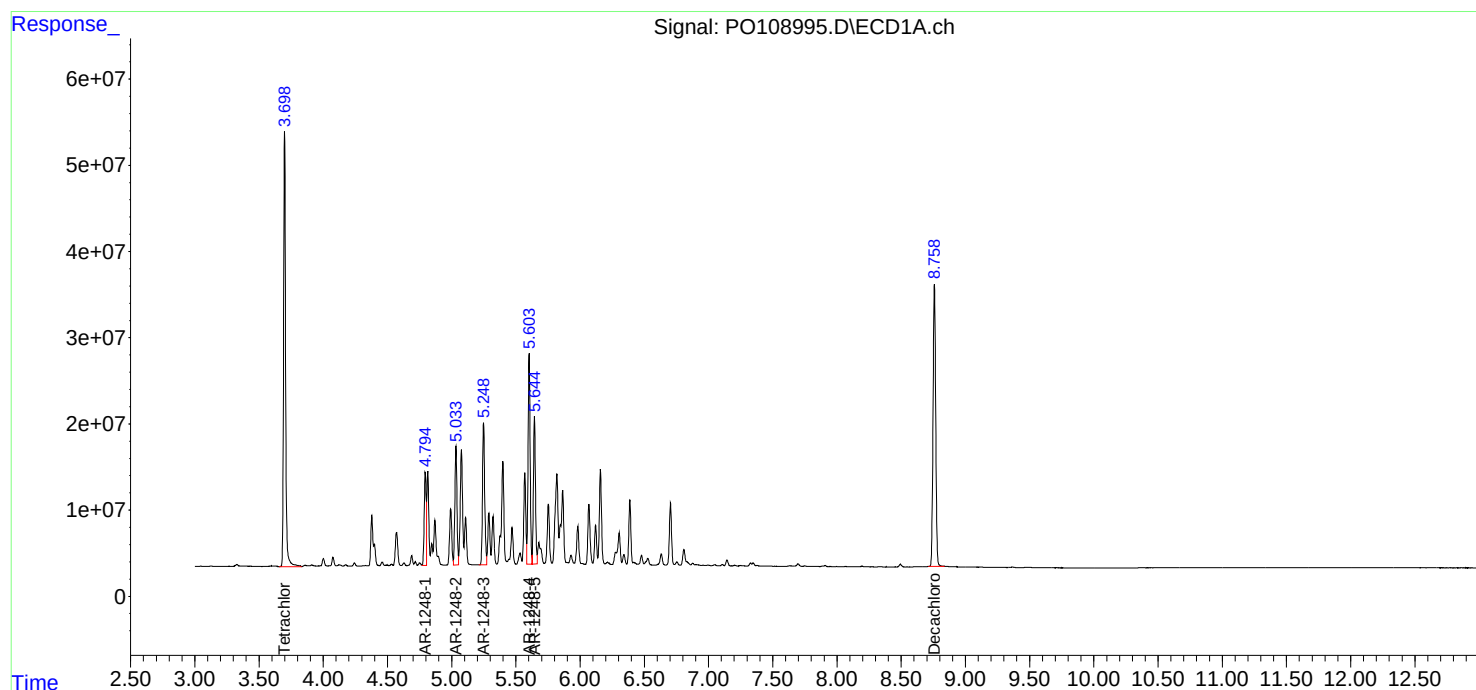
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

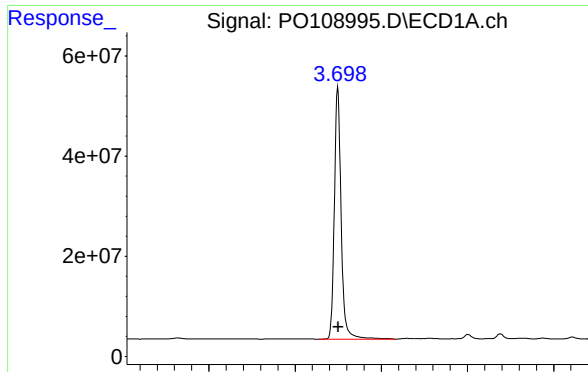
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108995.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:34  
Operator : YP/AJ  
Sample : AR1248ICC750  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:27:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

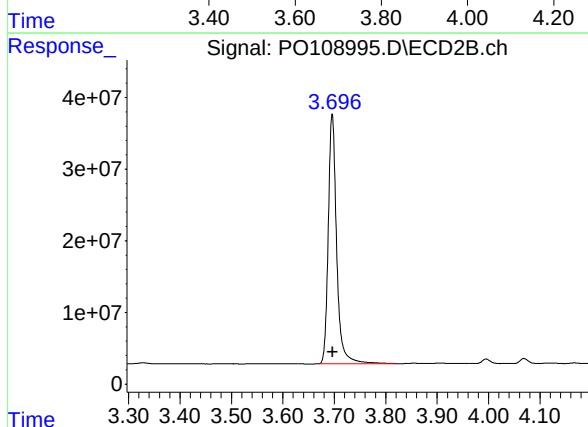




## #1 Tetrachloro-m-xylene

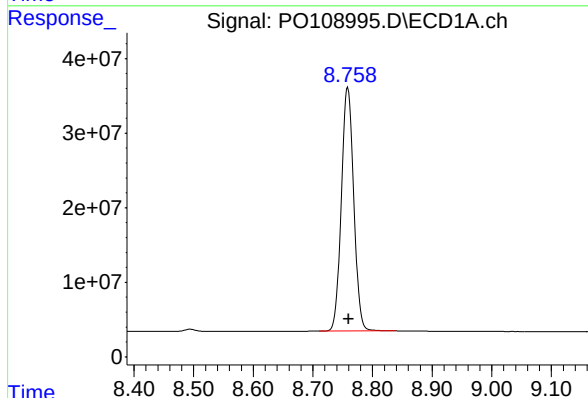
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 552779688  
Conc: 73.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



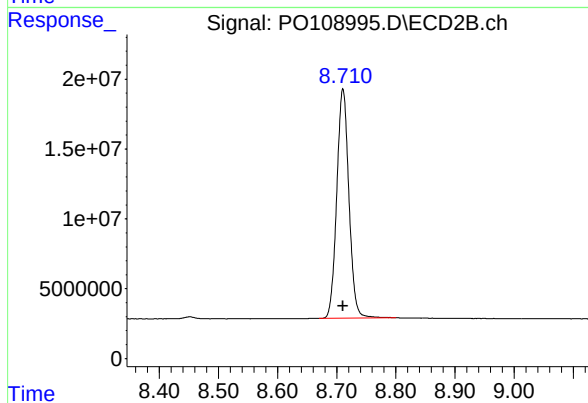
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 391816969  
Conc: 74.15 ng/ml



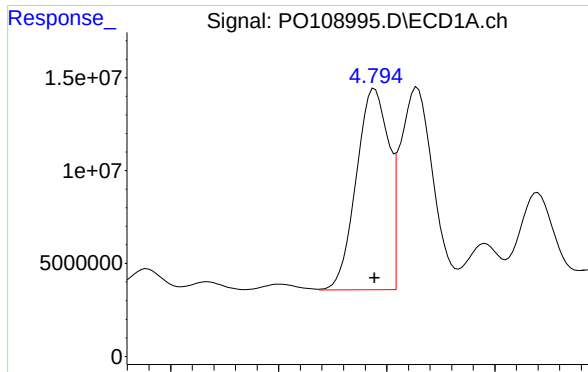
## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: -0.001 min  
Response: 470400114  
Conc: 71.71 ng/ml



## #2 Decachlorobiphenyl

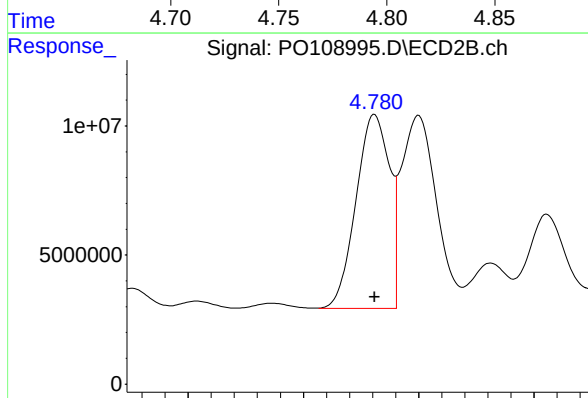
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 234452200  
Conc: 71.91 ng/ml



#21 AR-1248-1

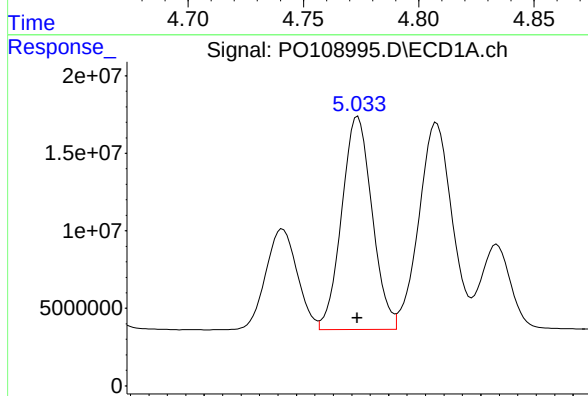
R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 112840417  
Conc: 715.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



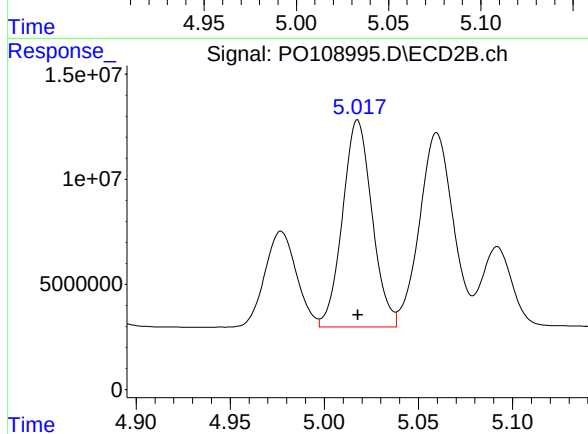
#21 AR-1248-1

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 75898589  
Conc: 712.39 ng/ml



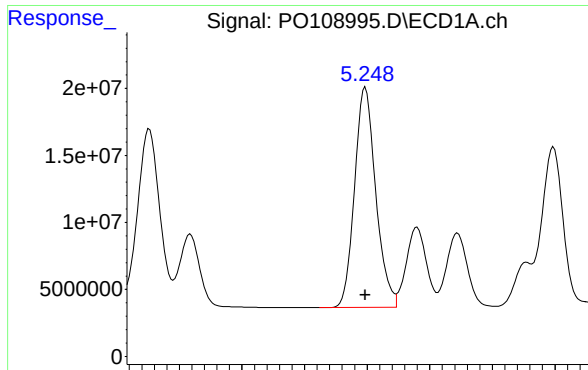
#22 AR-1248-2

R.T.: 5.033 min  
Delta R.T.: 0.000 min  
Response: 157264978  
Conc: 718.22 ng/ml



#22 AR-1248-2

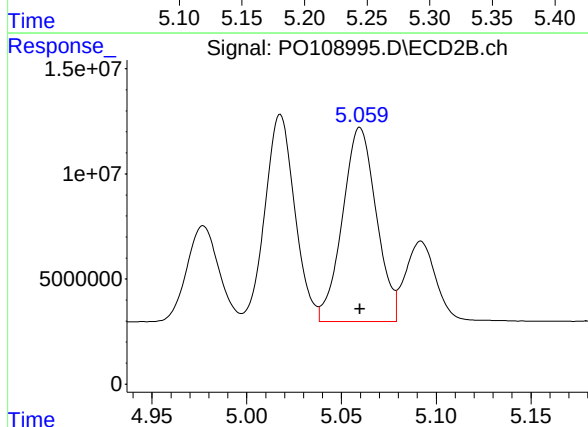
R.T.: 5.018 min  
Delta R.T.: 0.000 min  
Response: 107507727  
Conc: 709.13 ng/ml



#23 AR-1248-3

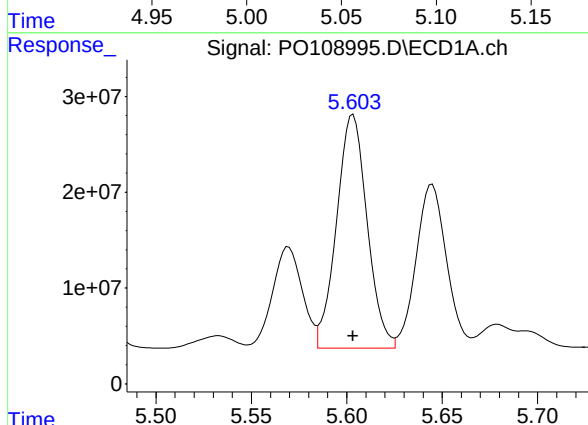
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 193391726  
Conc: 714.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



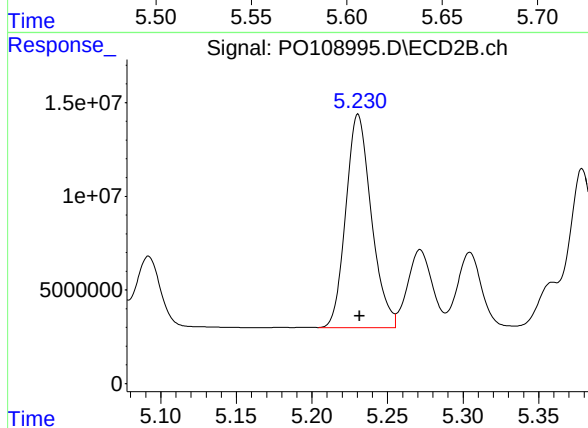
#23 AR-1248-3

R.T.: 5.060 min  
Delta R.T.: 0.000 min  
Response: 114708969  
Conc: 710.53 ng/ml



#24 AR-1248-4

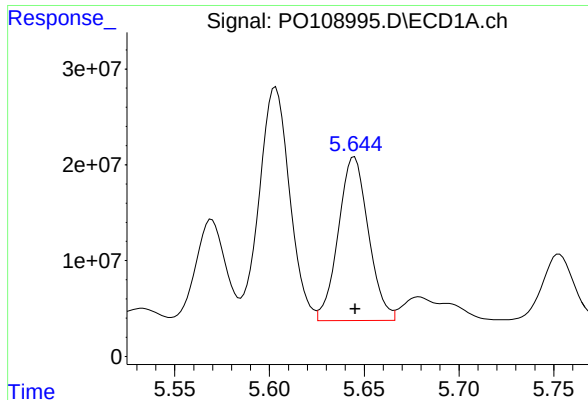
R.T.: 5.603 min  
Delta R.T.: 0.000 min  
Response: 271968156  
Conc: 717.19 ng/ml



#24 AR-1248-4

R.T.: 5.231 min  
Delta R.T.: -0.001 min  
Response: 134144666  
Conc: 713.99 ng/ml

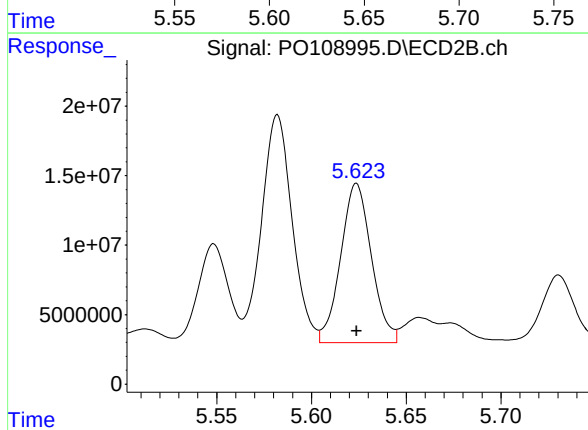




#25 AR-1248-5

R.T.: 5.645 min  
Delta R.T.: 0.000 min  
Response: 188909492  
Conc: 719.27 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



#25 AR-1248-5

R.T.: 5.624 min  
Delta R.T.: 0.000 min  
Response: 129479161  
Conc: 719.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108996.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:52  
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: Jan 22 00:27:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 374.2E6  | 264.2E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.760 | 8.711 | 328.0E6  | 163.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.794 | 4.781 | 78890582 | 53270186 | 500.000 | 500.000 |
| 22) L5 AR-1248-2            | 5.033 | 5.018 | 109.5E6  | 75802980 | 500.000 | 500.000 |
| 23) L5 AR-1248-3            | 5.248 | 5.060 | 135.3E6  | 80721097 | 500.000 | 500.000 |
| 24) L5 AR-1248-4            | 5.603 | 5.232 | 189.6E6  | 93940710 | 500.000 | 500.000 |
| 25) L5 AR-1248-5            | 5.645 | 5.624 | 131.3E6  | 90026584 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

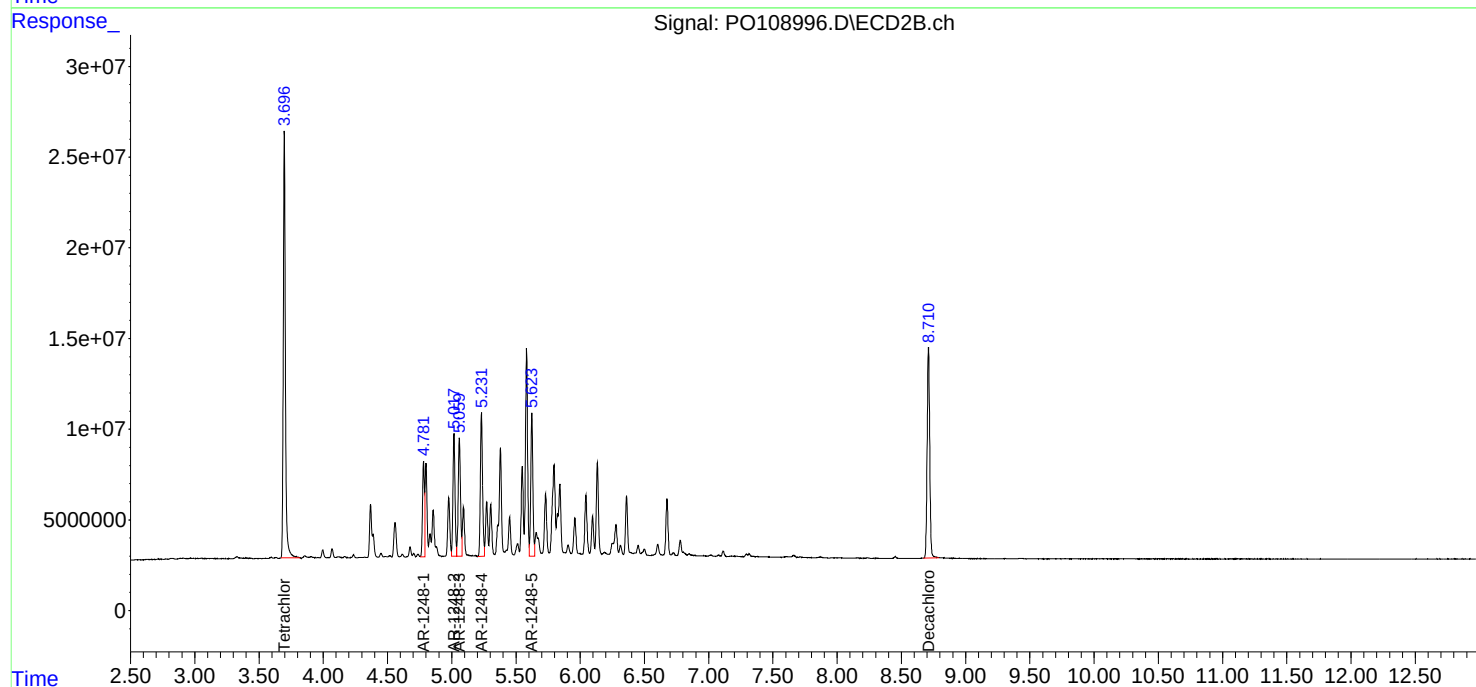
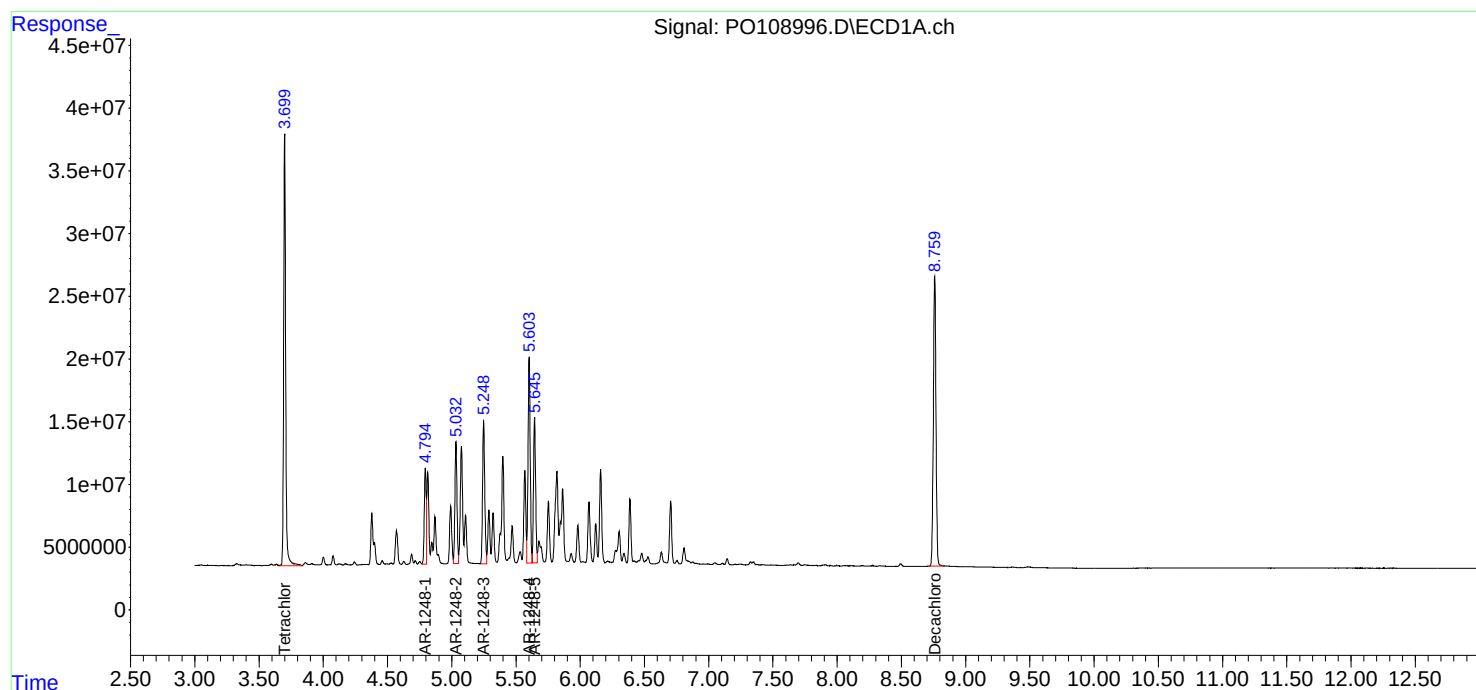
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

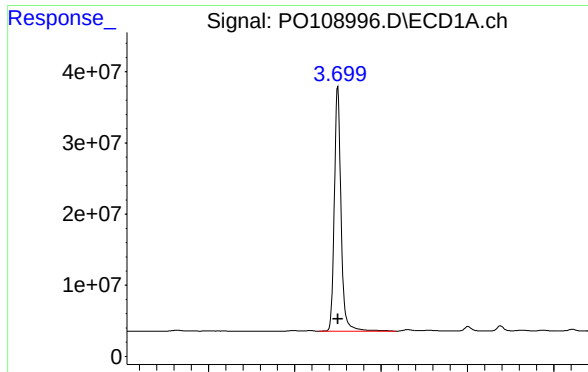
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108996.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 21:52  
Operator : YP/AJ  
Sample : AR1248ICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:27:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

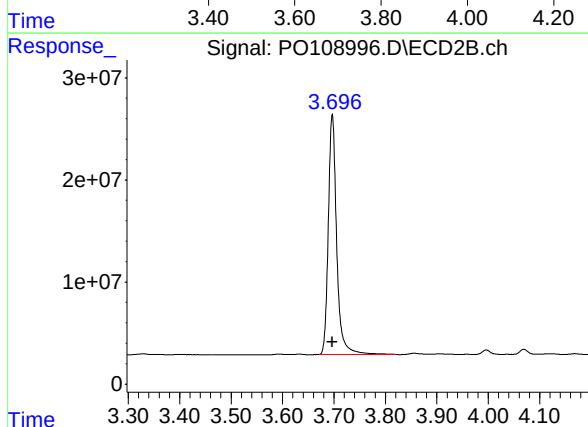




## #1 Tetrachloro-m-xylene

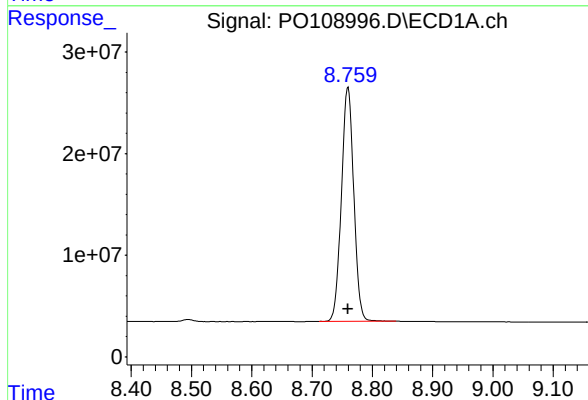
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 374217584  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



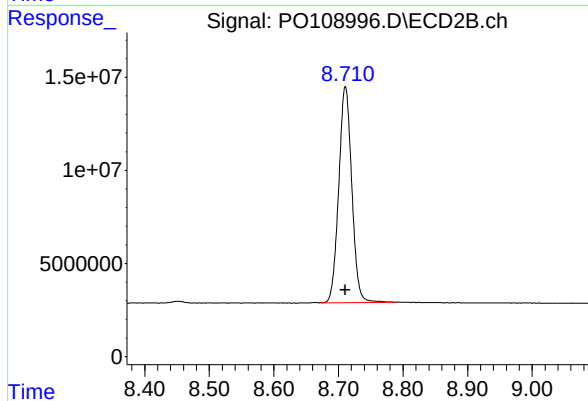
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 264196910  
Conc: 50.00 ng/ml



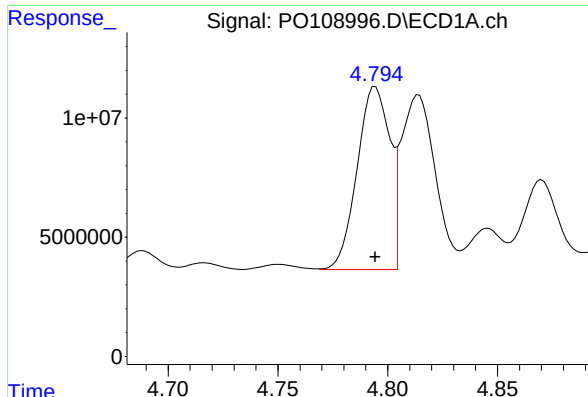
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 328006973  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

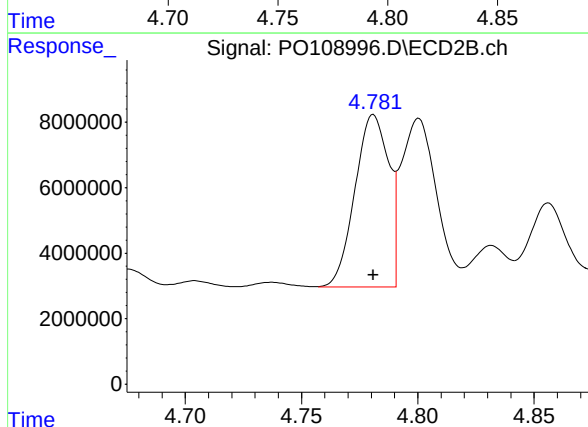
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 163027796  
Conc: 50.00 ng/ml



#21 AR-1248-1

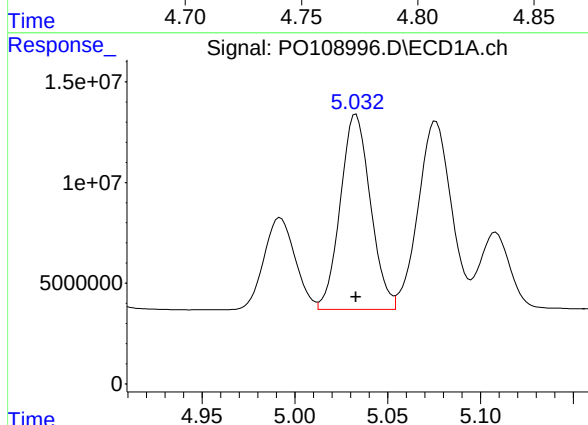
R.T.: 4.794 min  
Delta R.T.: 0.000 min  
Response: 78890582  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



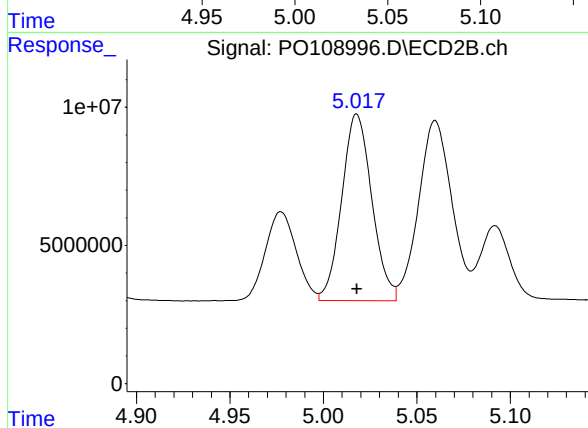
#21 AR-1248-1

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 53270186  
Conc: 500.00 ng/ml



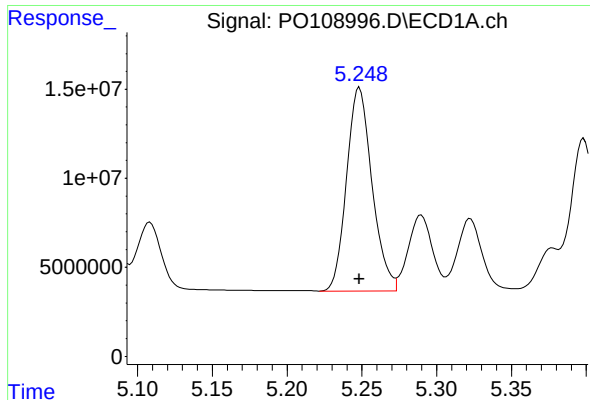
#22 AR-1248-2

R.T.: 5.033 min  
Delta R.T.: 0.000 min  
Response: 109481896  
Conc: 500.00 ng/ml



#22 AR-1248-2

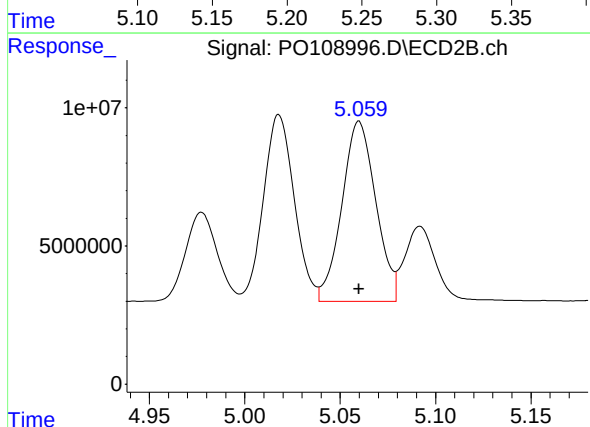
R.T.: 5.018 min  
Delta R.T.: 0.000 min  
Response: 75802980  
Conc: 500.00 ng/ml



#23 AR-1248-3

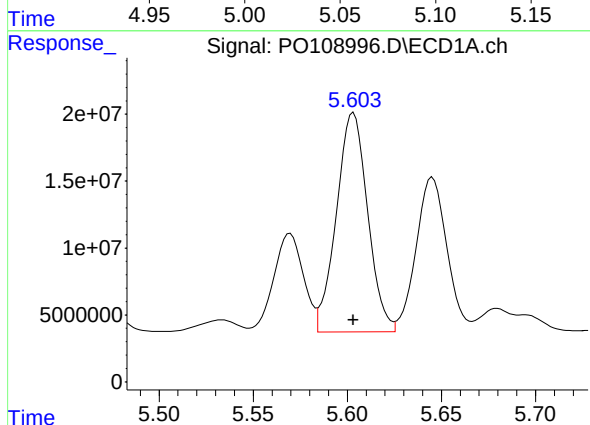
R.T.: 5.248 min  
Delta R.T.: 0.000 min  
Response: 135345120  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



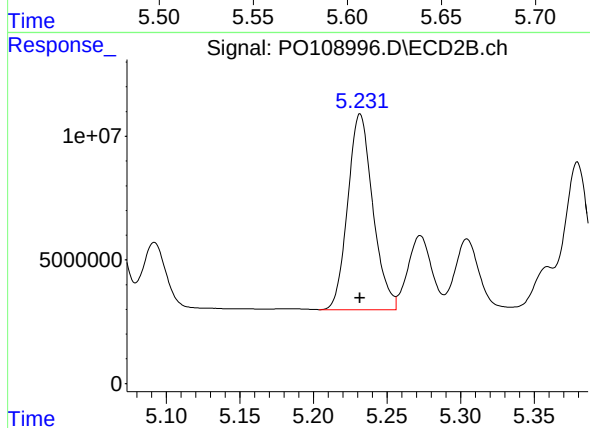
#23 AR-1248-3

R.T.: 5.060 min  
Delta R.T.: 0.000 min  
Response: 80721097  
Conc: 500.00 ng/ml



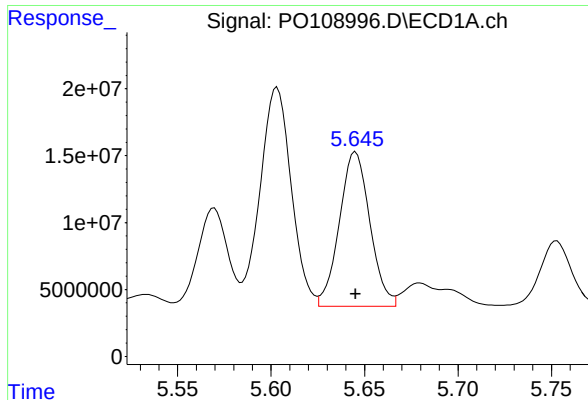
#24 AR-1248-4

R.T.: 5.603 min  
Delta R.T.: 0.000 min  
Response: 189607558  
Conc: 500.00 ng/ml



#24 AR-1248-4

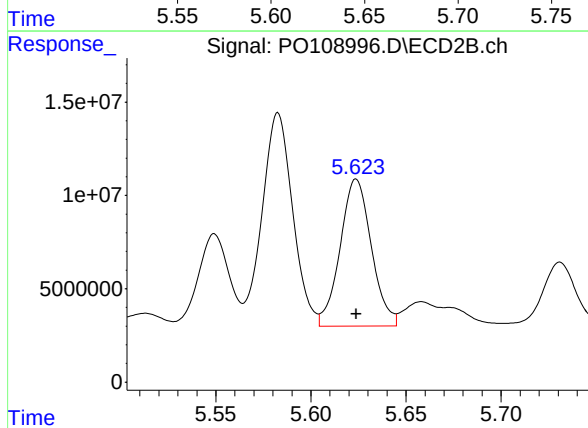
R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 93940710  
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.645 min  
Delta R.T.: 0.000 min  
Response: 131320368  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



#25 AR-1248-5

R.T.: 5.624 min  
Delta R.T.: 0.000 min  
Response: 90026584  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108997.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 22:10  
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: Jan 22 00:27:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 191.3E6  | 135.1E6  | 25.566  | 25.563  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 173.6E6  | 86988370 | 26.466  | 26.679  |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.795 | 4.781 | 42629916 | 28637355 | 270.184 | 268.793 |
| 22) L5 AR-1248-2            | 5.033 | 5.019 | 59762030 | 41236941 | 272.931 | 272.001 |
| 23) L5 AR-1248-3            | 5.249 | 5.061 | 73317527 | 44083614 | 270.854 | 273.061 |
| 24) L5 AR-1248-4            | 5.604 | 5.232 | 100.6E6  | 50659856 | 265.406 | 269.637 |
| 25) L5 AR-1248-5            | 5.645 | 5.625 | 69903707 | 48008873 | 266.157 | 266.637 |
| -----                       |       |       |          |          |         |         |

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

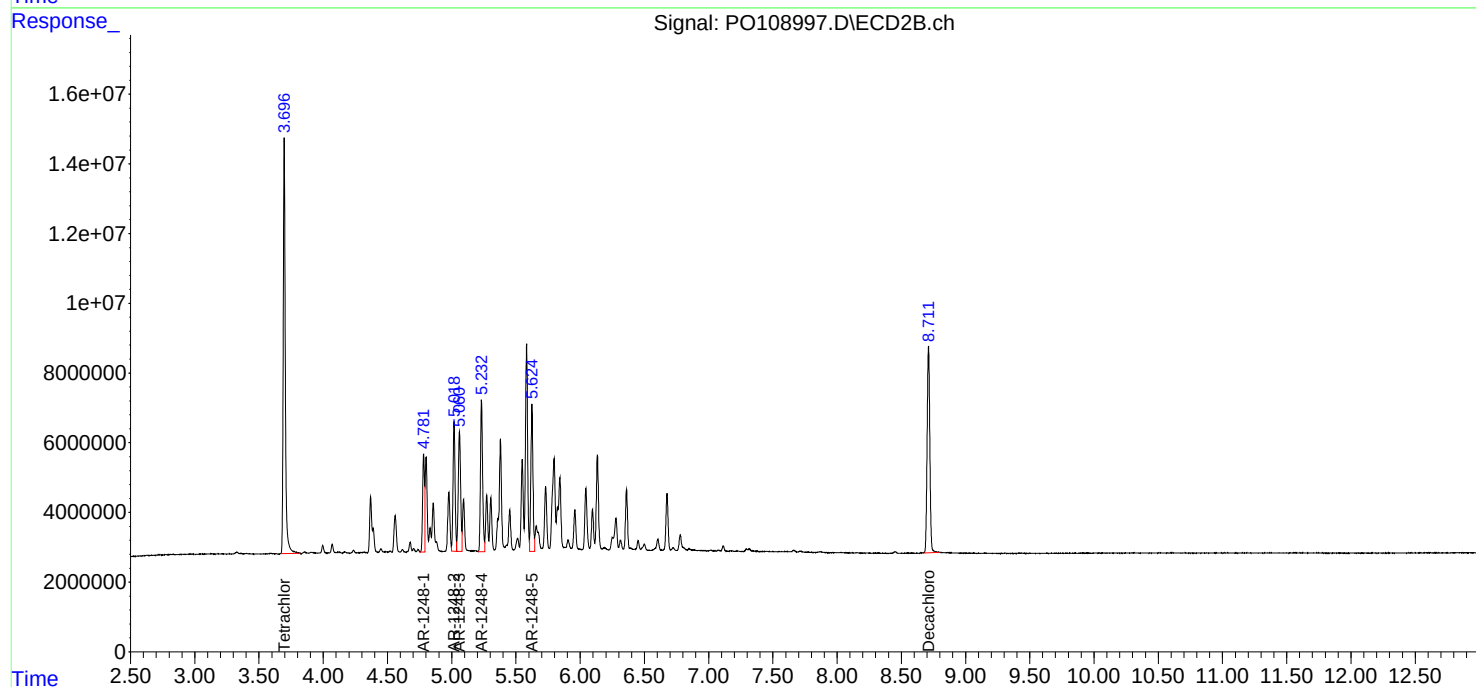
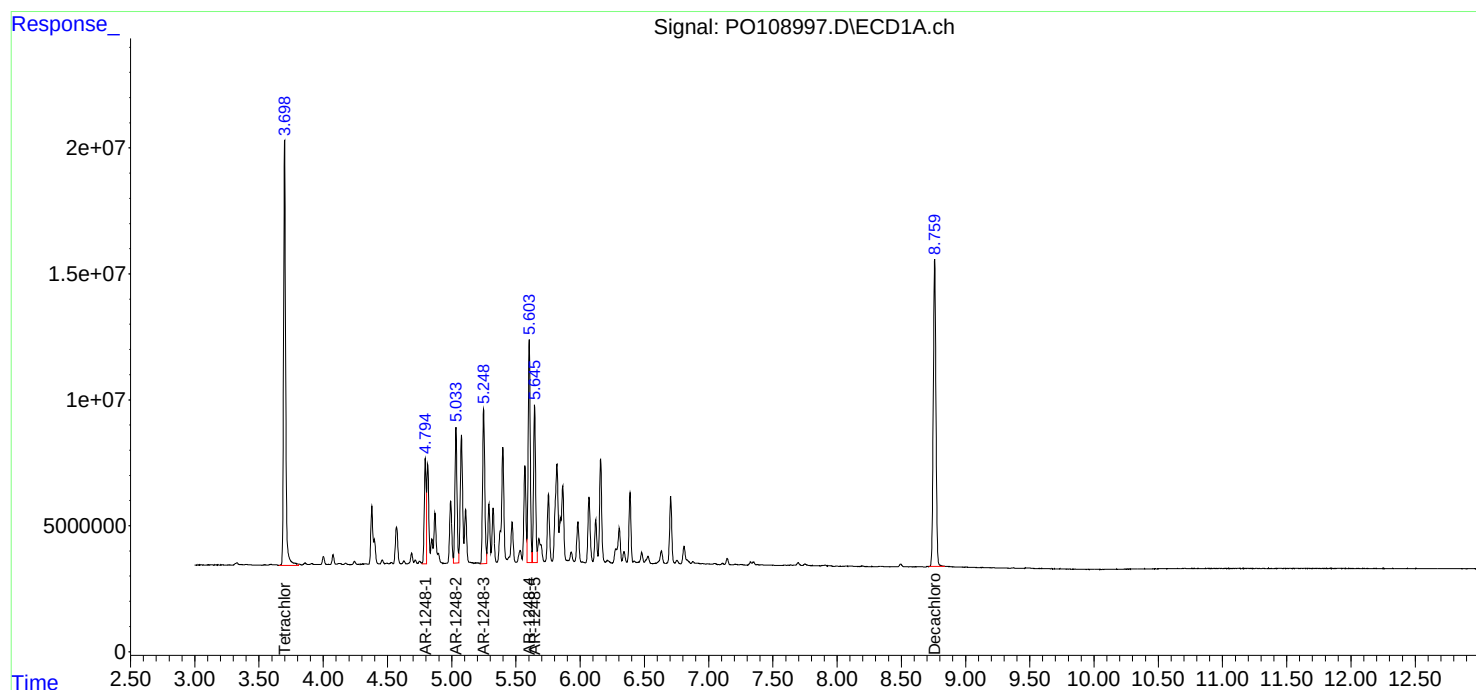


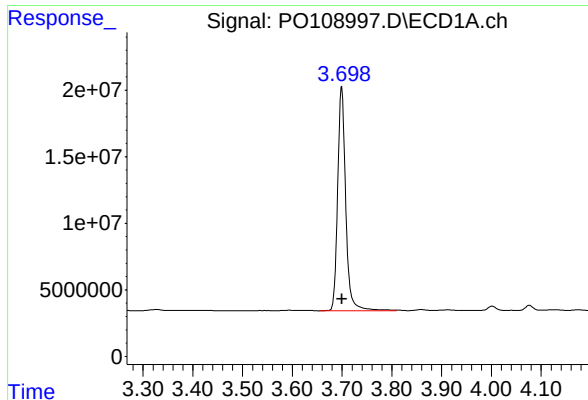
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108997.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 22:10  
Operator : YP/AJ  
Sample : AR1248ICC250  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:27:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

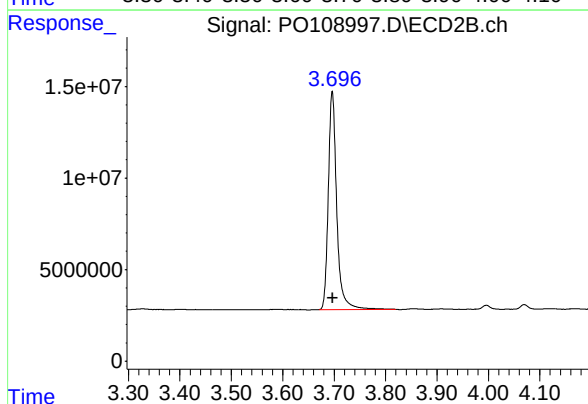




## #1 Tetrachloro-m-xylene

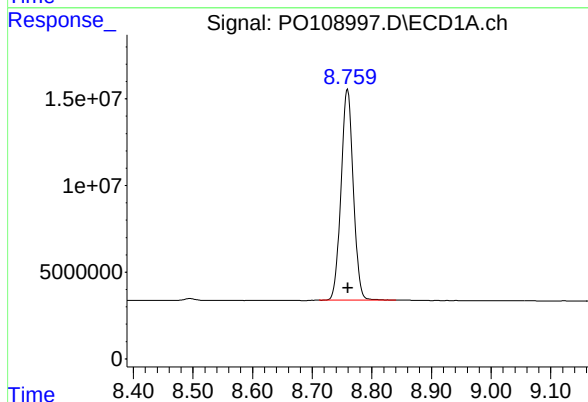
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 191343021  
Conc: 25.57 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250



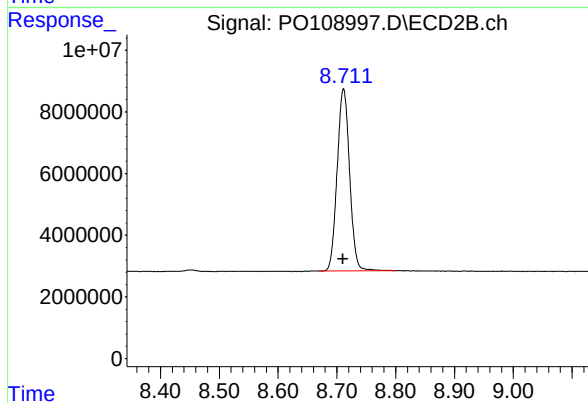
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 135073028  
Conc: 25.56 ng/ml



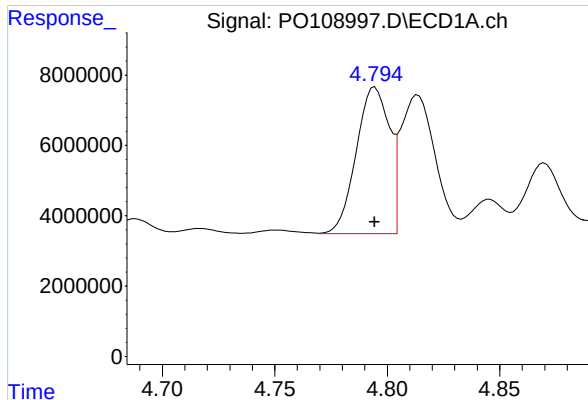
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 173619471  
Conc: 26.47 ng/ml



## #2 Decachlorobiphenyl

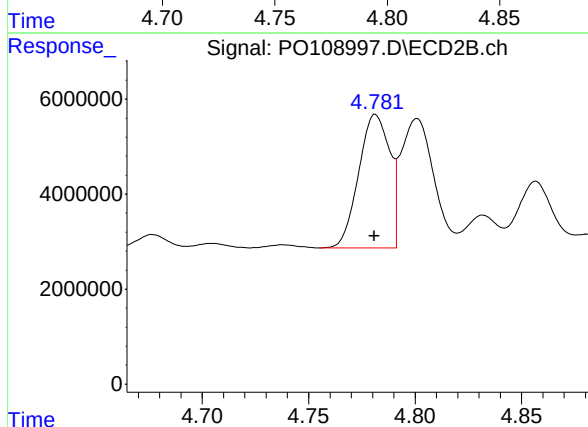
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 86988370  
Conc: 26.68 ng/ml



#21 AR-1248-1

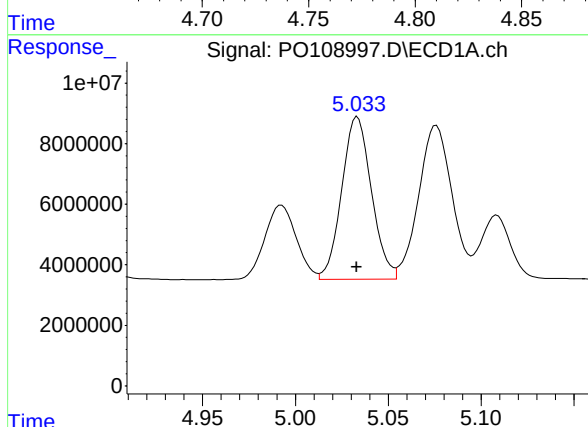
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 42629916  
Conc: 270.18 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250



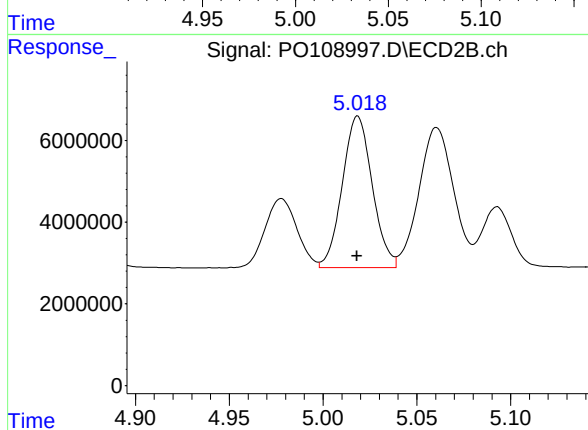
#21 AR-1248-1

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 28637355  
Conc: 268.79 ng/ml



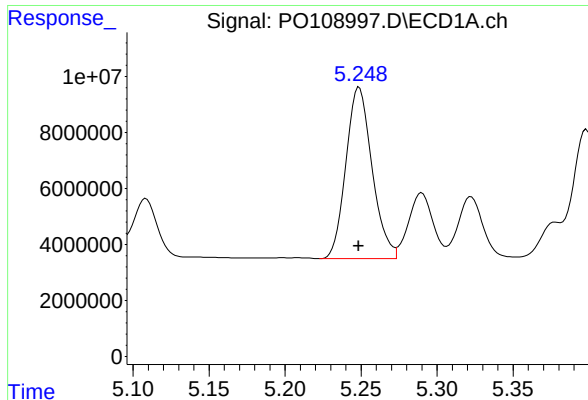
#22 AR-1248-2

R.T.: 5.033 min  
Delta R.T.: 0.000 min  
Response: 59762030  
Conc: 272.93 ng/ml



#22 AR-1248-2

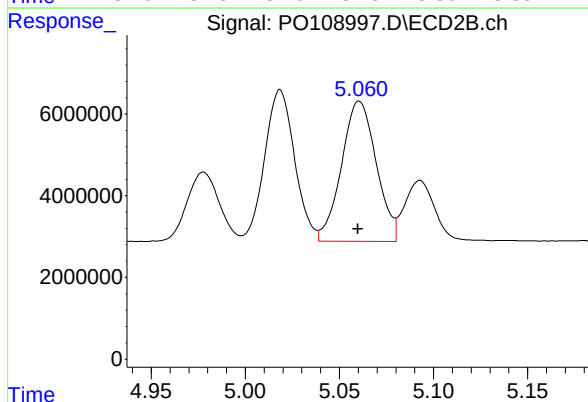
R.T.: 5.019 min  
Delta R.T.: 0.000 min  
Response: 41236941  
Conc: 272.00 ng/ml



#23 AR-1248-3

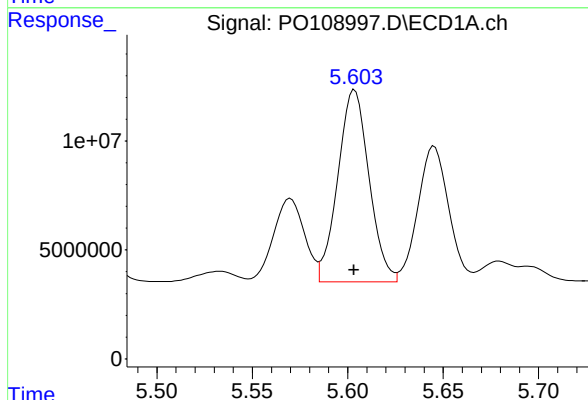
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 73317527  
Conc: 270.85 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250



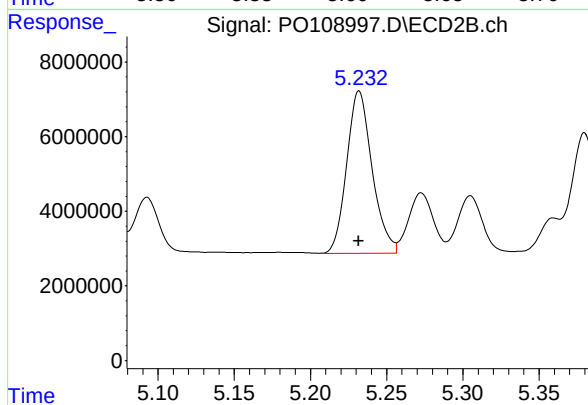
#23 AR-1248-3

R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 44083614  
Conc: 273.06 ng/ml



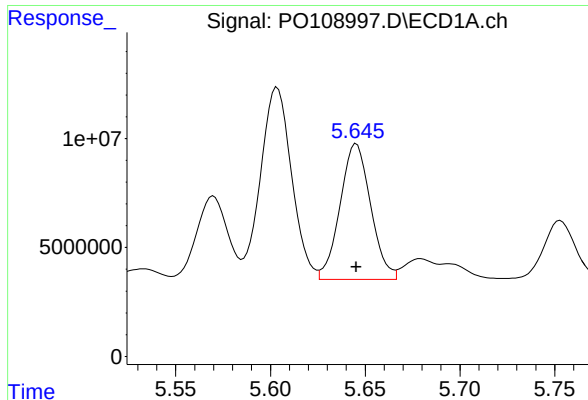
#24 AR-1248-4

R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 100645826  
Conc: 265.41 ng/ml



#24 AR-1248-4

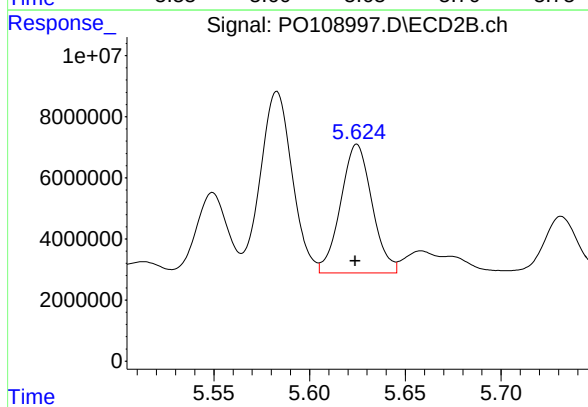
R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 50659856  
Conc: 269.64 ng/ml



#25 AR-1248-5

R.T.: 5.645 min  
Delta R.T.: 0.000 min  
Response: 69903707  
Conc: 266.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250



#25 AR-1248-5

R.T.: 5.625 min  
Delta R.T.: 0.000 min  
Response: 48008873  
Conc: 266.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0108998.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jan 2025 22:29  
 Operator : YP/AJ  
 Sample : AR1248ICC050  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

**Instrument :**

ECD\_O

**ClientSampleId :**

AR1248ICC050

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 22 00:28:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 00:26:44 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 36562867 | 25108140 | 4.885   | 4.752  |
| 2) SA Decachlor...          | 8.760 | 8.710 | 35646054 | 17756361 | 5.434   | 5.446  |
| Target Compounds            |       |       |          |          |         |        |
| 21) L5 AR-1248-1            | 4.795 | 4.781 | 8692756  | 5840104  | 55.094  | 54.816 |
| 22) L5 AR-1248-2            | 5.034 | 5.018 | 12624135 | 8701511  | 57.654  | 57.396 |
| 23) L5 AR-1248-3            | 5.248 | 5.061 | 14964745 | 9509047  | 55.284m | 58.901 |
| 24) L5 AR-1248-4            | 5.604 | 5.231 | 21336256 | 10821640 | 56.264  | 57.598 |
| 25) L5 AR-1248-5            | 5.645 | 5.624 | 14427184 | 10175433 | 54.931  | 56.513 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108998.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 22:29  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1248ICC050

## Manual Integrations

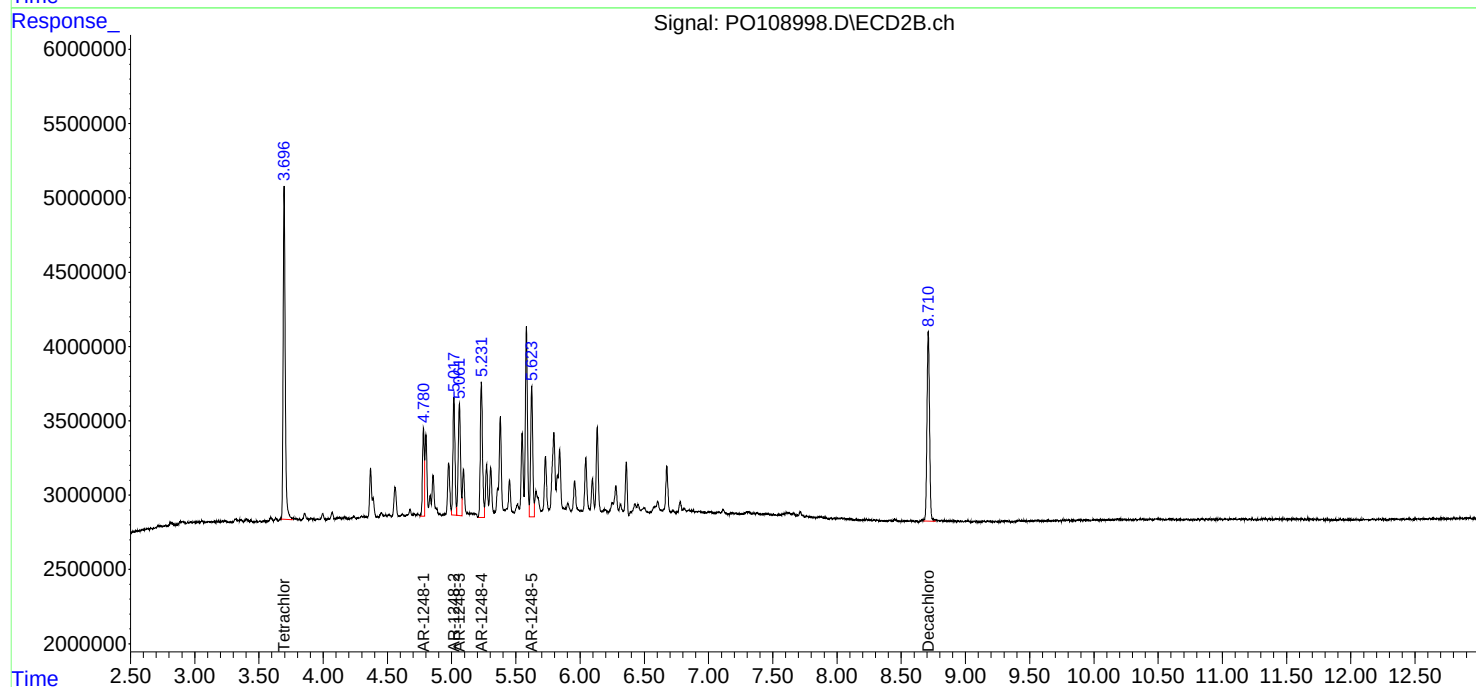
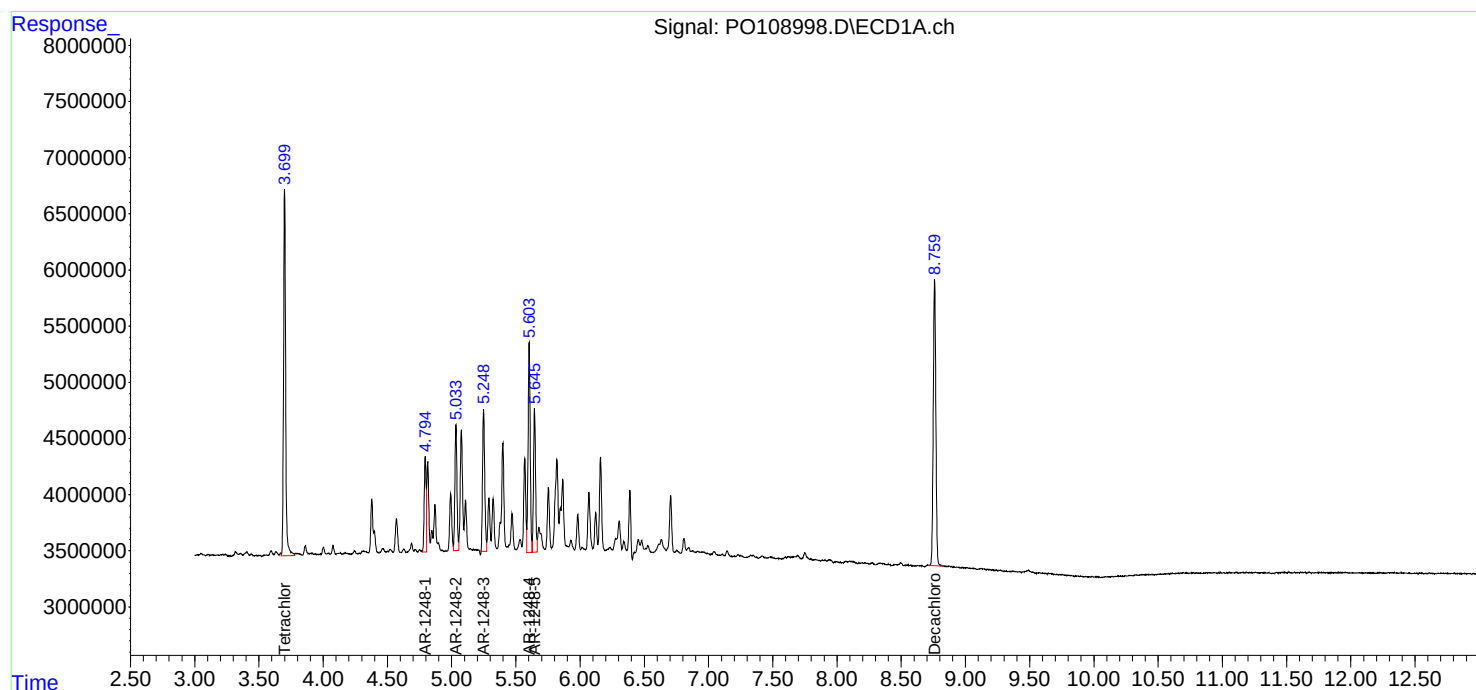
## APPROVED

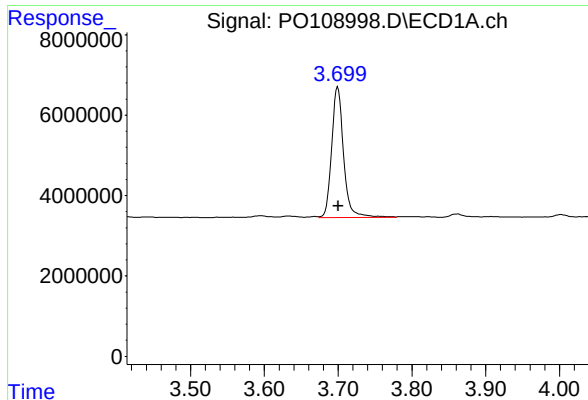
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 00:28:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 00:26:44 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





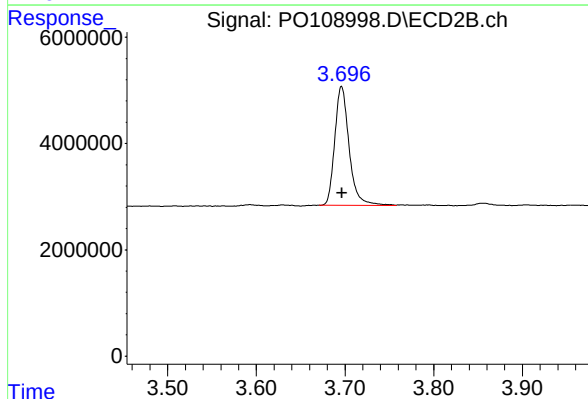
## #1 Tetrachloro-m-xylene

R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 36562867  
Conc: 4.89 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

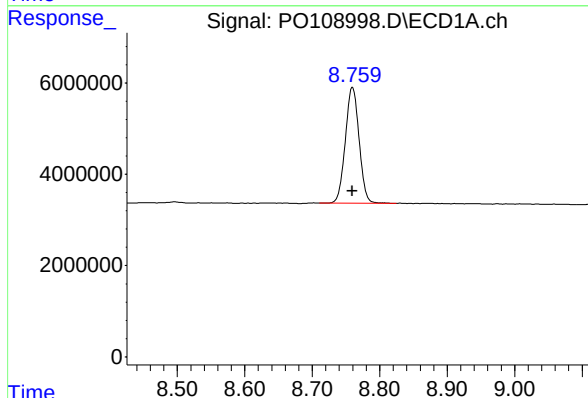
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



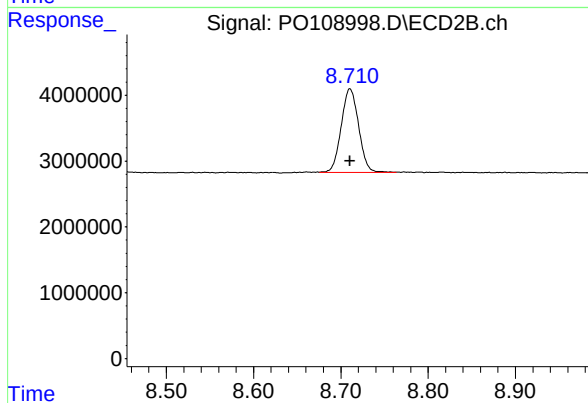
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 25108140  
Conc: 4.75 ng/ml



## #2 Decachlorobiphenyl

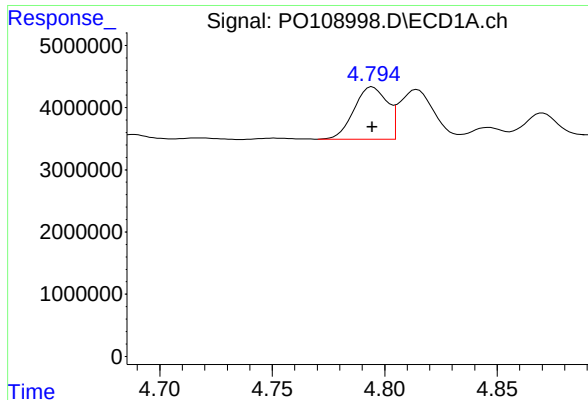
R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 35646054  
Conc: 5.43 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 17756361  
Conc: 5.45 ng/ml





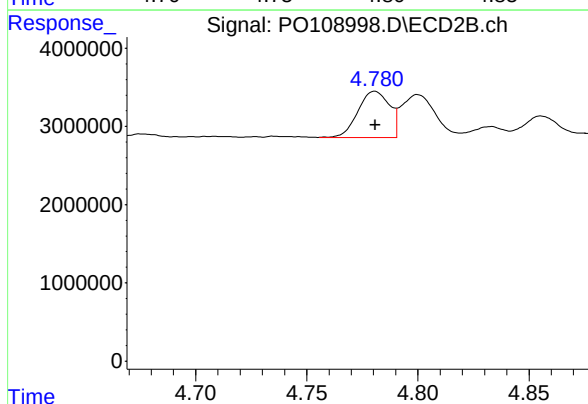
#21 AR-1248-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 8692756  
Conc: 55.09 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

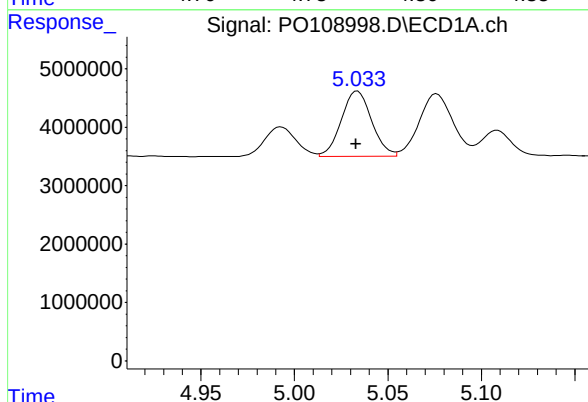
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



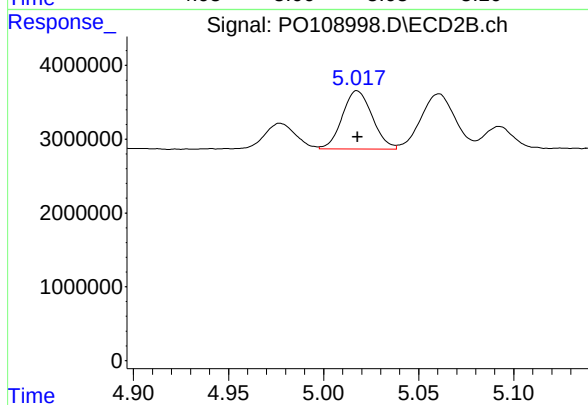
#21 AR-1248-1

R.T.: 4.781 min  
Delta R.T.: 0.000 min  
Response: 5840104  
Conc: 54.82 ng/ml



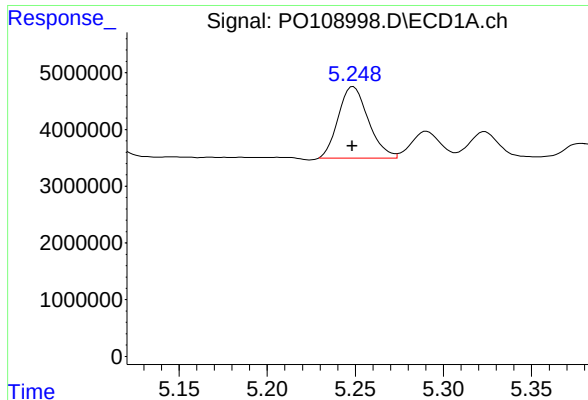
#22 AR-1248-2

R.T.: 5.034 min  
Delta R.T.: 0.000 min  
Response: 12624135  
Conc: 57.65 ng/ml



#22 AR-1248-2

R.T.: 5.018 min  
Delta R.T.: 0.000 min  
Response: 8701511  
Conc: 57.40 ng/ml



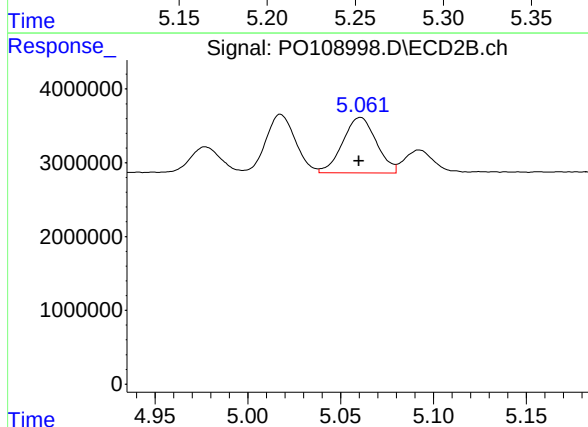
#23 AR-1248-3

R.T.: 5.248 min  
Delta R.T.: 0.000 min  
Response: 14964745  
Conc: 55.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

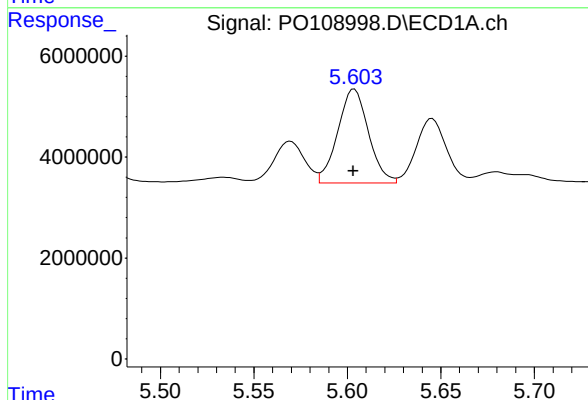
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



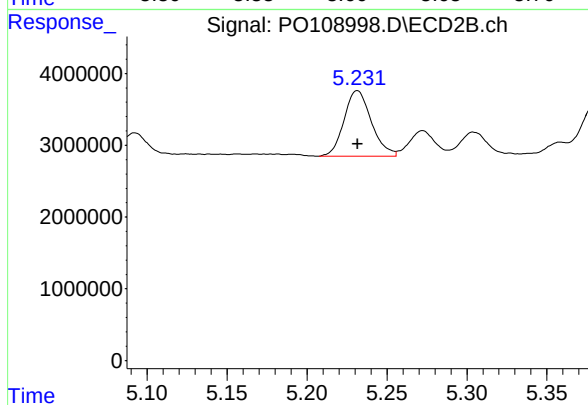
#23 AR-1248-3

R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 9509047  
Conc: 58.90 ng/ml



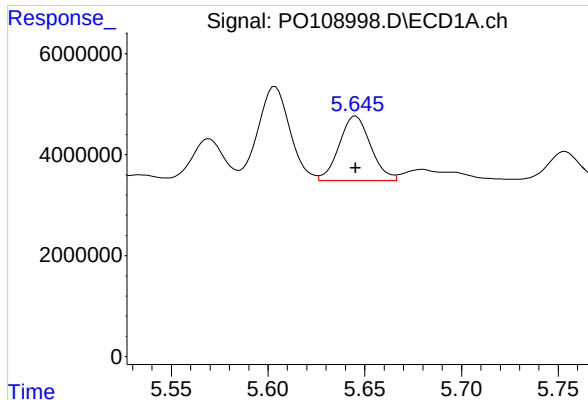
#24 AR-1248-4

R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 21336256  
Conc: 56.26 ng/ml



#24 AR-1248-4

R.T.: 5.231 min  
Delta R.T.: 0.000 min  
Response: 10821640  
Conc: 57.60 ng/ml



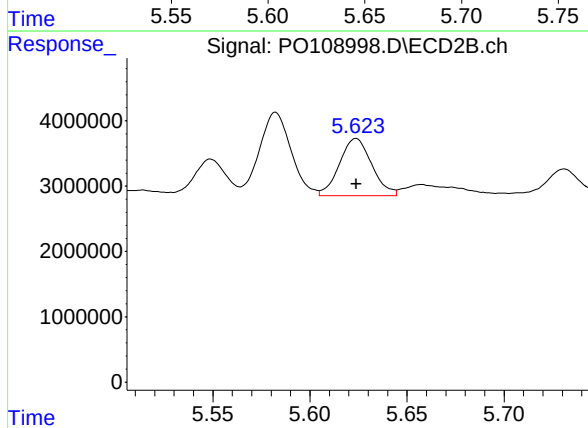
#25 AR-1248-5

R.T.: 5.645 min  
Delta R.T.: 0.000 min  
Response: 14427184  
Conc: 54.93 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



#25 AR-1248-5

R.T.: 5.624 min  
Delta R.T.: 0.000 min  
Response: 10175433  
Conc: 56.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0108999.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 22:47  
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: Jan 22 01:31:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.697 | 726.7E6 | 515.8E6 | 94.650  | 94.426  |
| 2) SA Decachlor...          | 8.759 | 8.710 | 615.5E6 | 300.9E6 | 92.481  | 91.907  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.604 | 5.584 | 374.8E6 | 253.5E6 | 912.708 | 908.966 |
| 27) L6 AR-1254-2            | 5.753 | 5.731 | 325.3E6 | 223.1E6 | 908.609 | 901.837 |
| 28) L6 AR-1254-3            | 6.159 | 6.134 | 522.1E6 | 362.3E6 | 928.056 | 921.020 |
| 29) L6 AR-1254-4            | 6.388 | 6.362 | 328.4E6 | 208.0E6 | 941.805 | 934.898 |
| 30) L6 AR-1254-5            | 6.809 | 6.779 | 475.3E6 | 302.6E6 | 922.909 | 919.459 |
| -----                       |       |       |         |         |         |         |

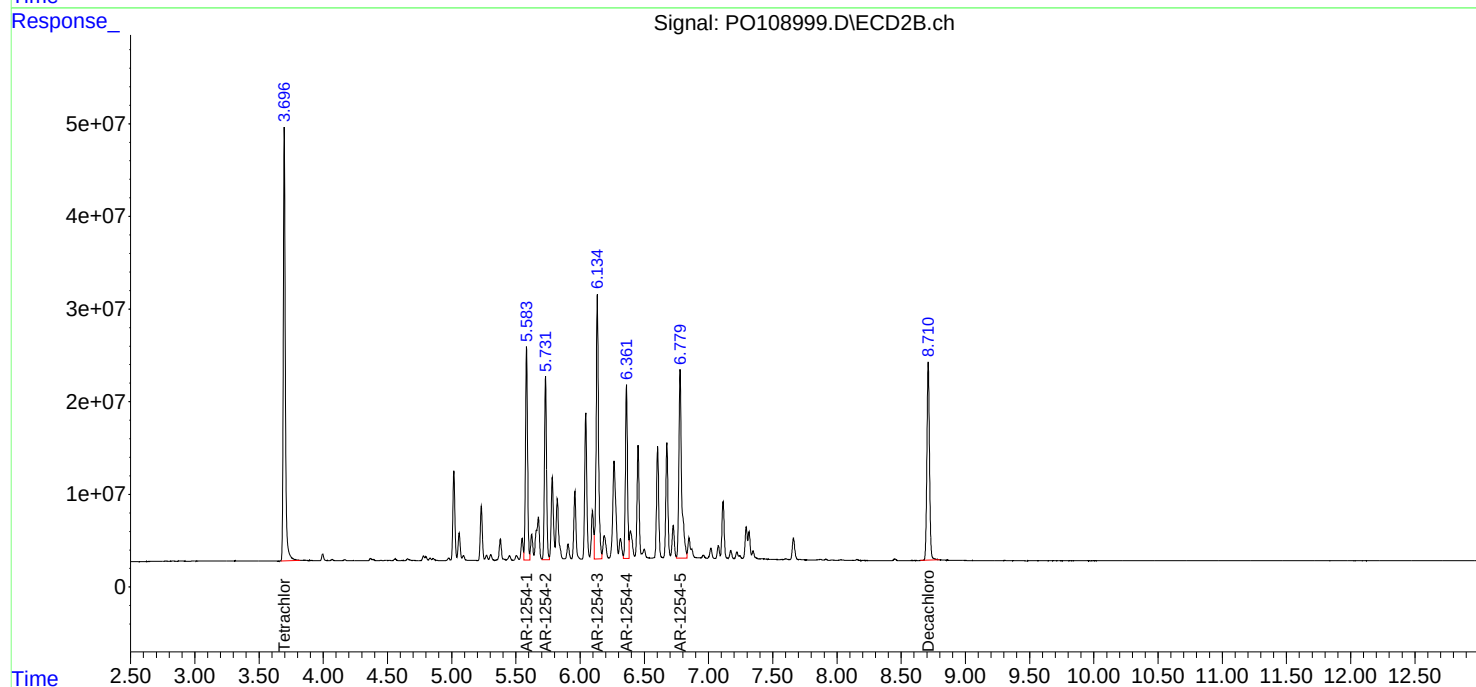
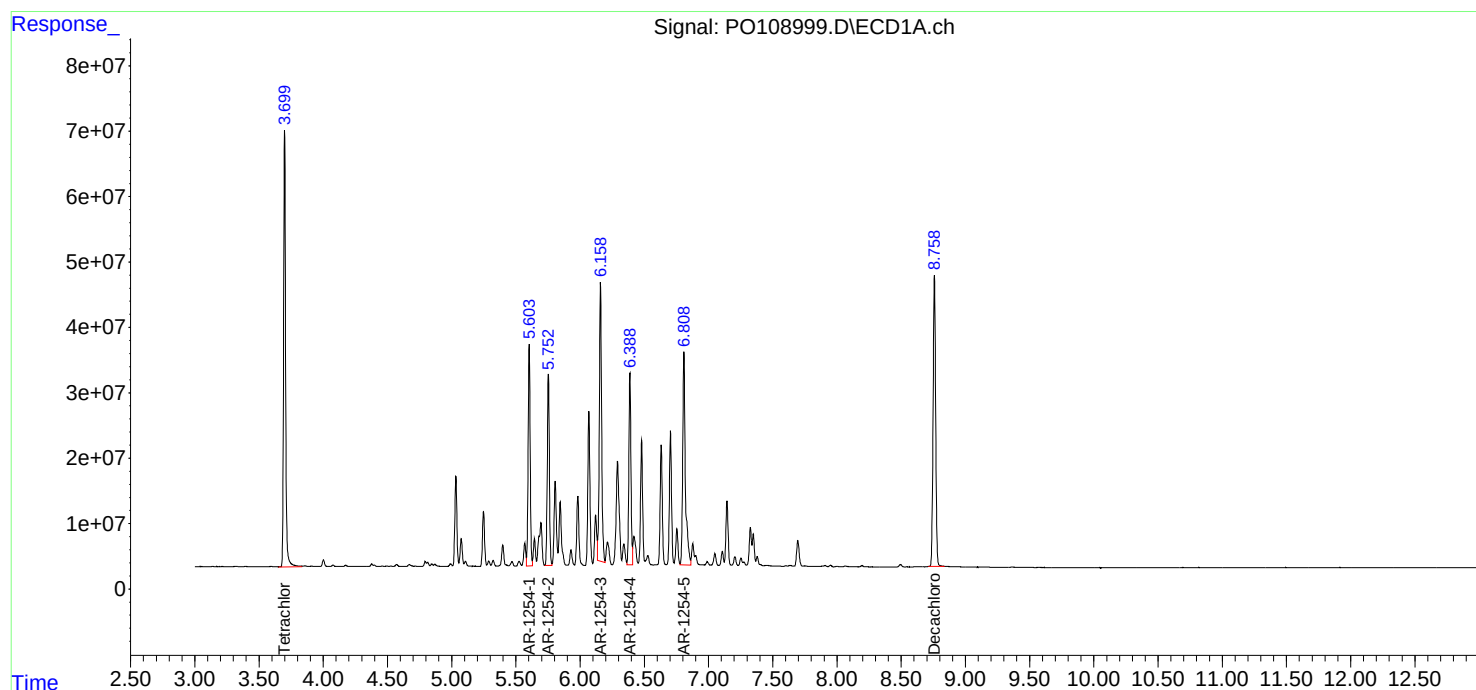
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

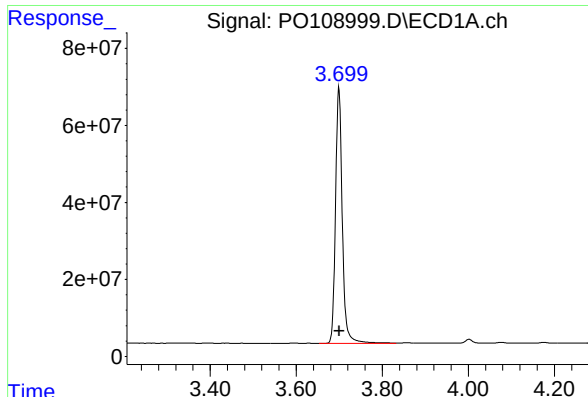
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108999.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 22:47  
Operator : YP/AJ  
Sample : AR1254ICC1000  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:31:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

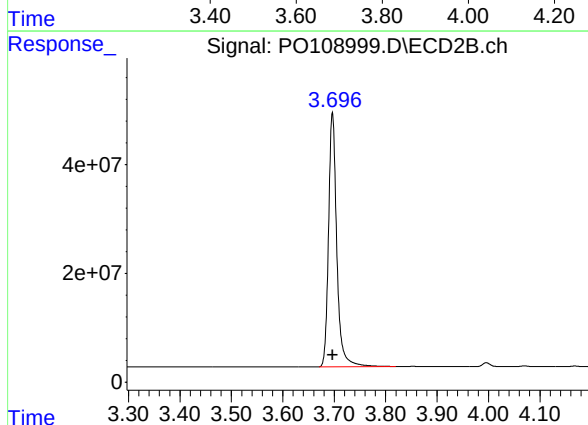




## #1 Tetrachloro-m-xylene

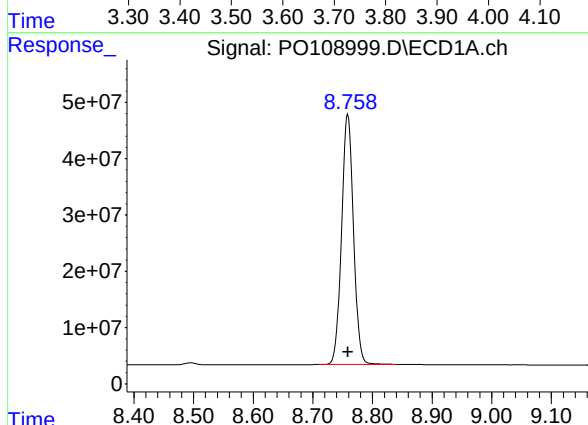
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 726663534  
Conc: 94.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000



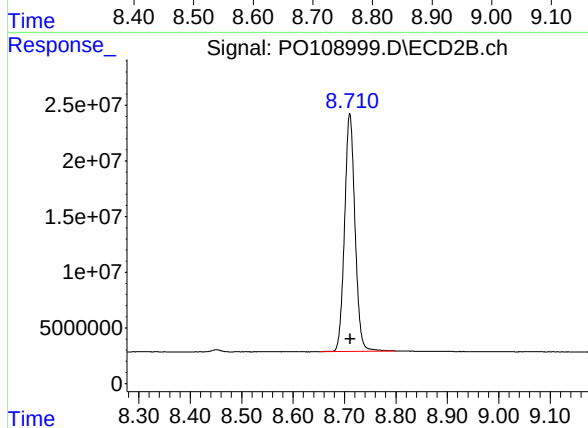
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 515778256  
Conc: 94.43 ng/ml



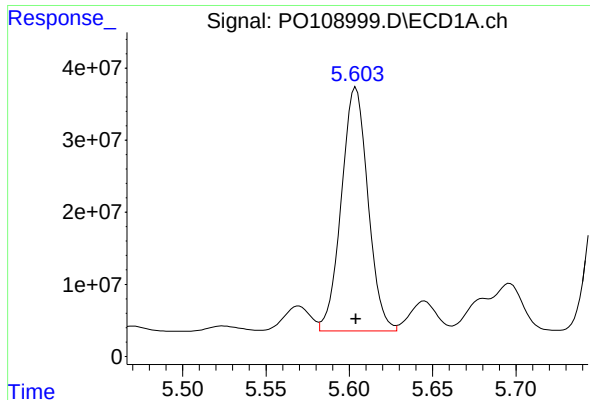
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 615463029  
Conc: 92.48 ng/ml



## #2 Decachlorobiphenyl

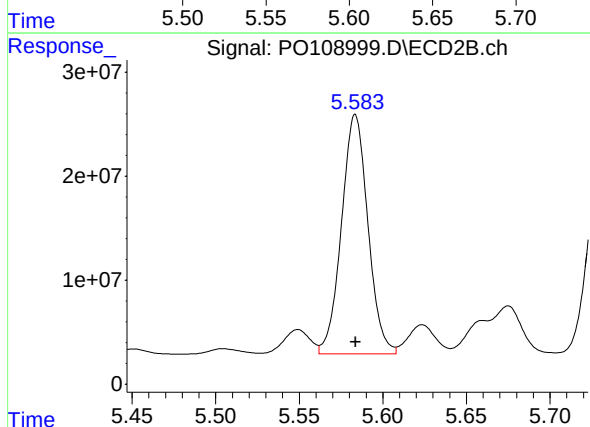
R.T.: 8.710 min  
Delta R.T.: -0.001 min  
Response: 300941803  
Conc: 91.91 ng/ml



#26 AR-1254-1

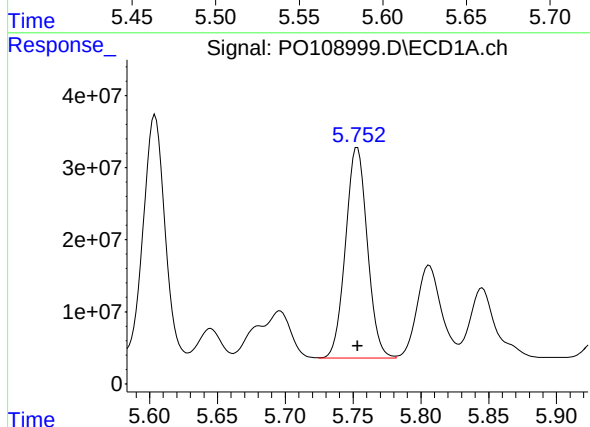
R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 374847163  
Conc: 912.71 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000



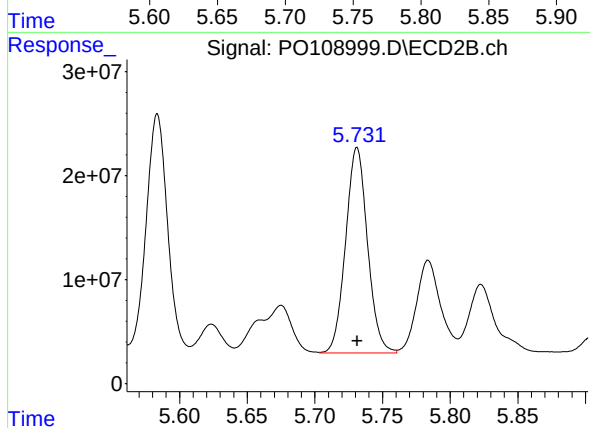
#26 AR-1254-1

R.T.: 5.584 min  
Delta R.T.: 0.000 min  
Response: 253547823  
Conc: 908.97 ng/ml



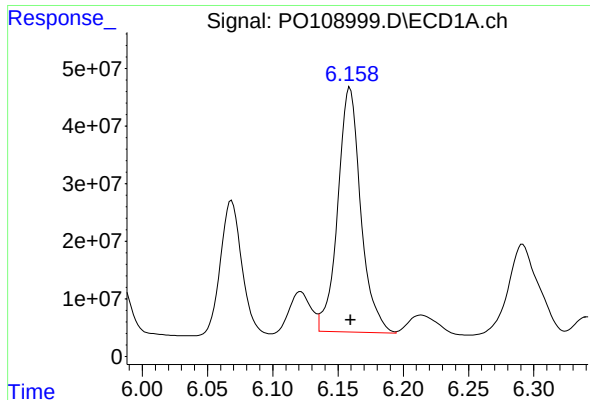
#27 AR-1254-2

R.T.: 5.753 min  
Delta R.T.: 0.000 min  
Response: 325342531  
Conc: 908.61 ng/ml



#27 AR-1254-2

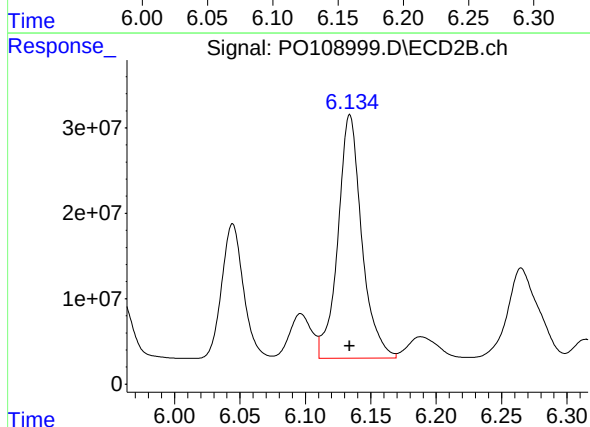
R.T.: 5.731 min  
Delta R.T.: 0.000 min  
Response: 223099297  
Conc: 901.84 ng/ml



#28 AR-1254-3

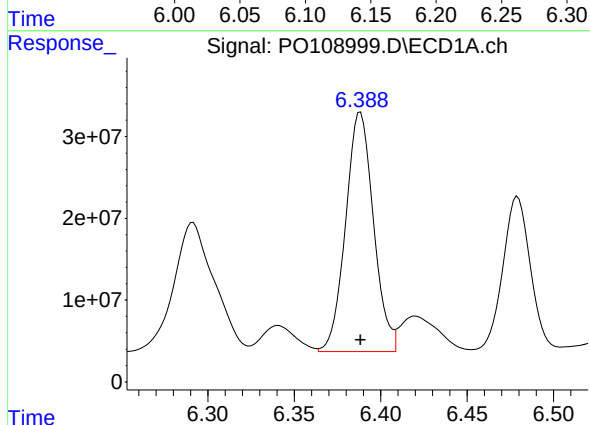
R.T.: 6.159 min  
Delta R.T.: 0.000 min  
Response: 522141746  
Conc: 928.06 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000



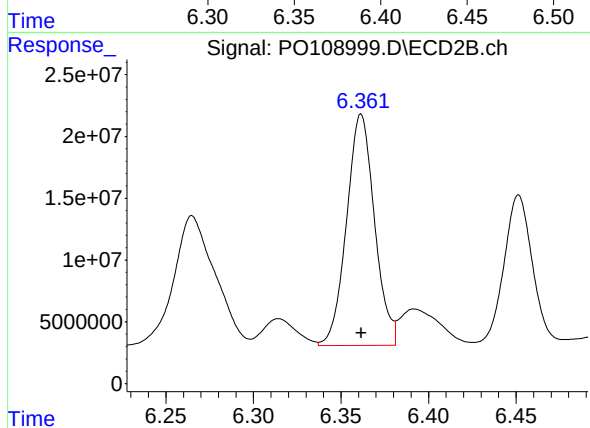
#28 AR-1254-3

R.T.: 6.134 min  
Delta R.T.: 0.000 min  
Response: 362340991  
Conc: 921.02 ng/ml



#29 AR-1254-4

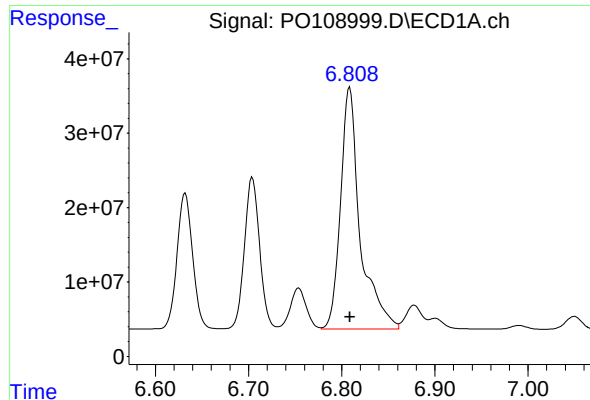
R.T.: 6.388 min  
Delta R.T.: 0.000 min  
Response: 328382284  
Conc: 941.81 ng/ml



#29 AR-1254-4

R.T.: 6.362 min  
Delta R.T.: 0.000 min  
Response: 207964031  
Conc: 934.90 ng/ml

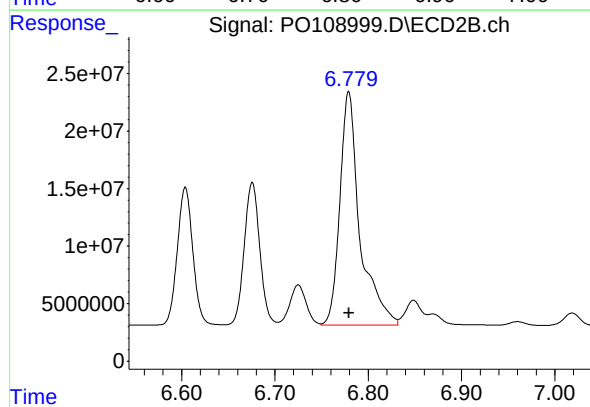




#30 AR-1254-5

R.T.: 6.809 min  
Delta R.T.: 0.000 min  
Response: 475331089  
Conc: 922.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000



#30 AR-1254-5

R.T.: 6.779 min  
Delta R.T.: 0.000 min  
Response: 302636627  
Conc: 919.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109000.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:05  
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: Jan 22 01:32:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 559.0E6 | 398.9E6 | 72.809  | 73.026  |
| 2) SA Decachlor...          | 8.760 | 8.712 | 477.1E6 | 234.4E6 | 71.686  | 71.584  |
|                             |       |       |         |         |         |         |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.605 | 5.584 | 292.1E6 | 198.5E6 | 711.202 | 711.673 |
| 27) L6 AR-1254-2            | 5.753 | 5.731 | 254.5E6 | 174.6E6 | 710.646 | 705.659 |
| 28) L6 AR-1254-3            | 6.159 | 6.135 | 405.4E6 | 281.8E6 | 720.506 | 716.329 |
| 29) L6 AR-1254-4            | 6.388 | 6.361 | 249.0E6 | 159.5E6 | 714.220 | 717.239 |
| 30) L6 AR-1254-5            | 6.809 | 6.780 | 367.5E6 | 235.0E6 | 713.514 | 713.937 |
| -----                       |       |       |         |         |         |         |

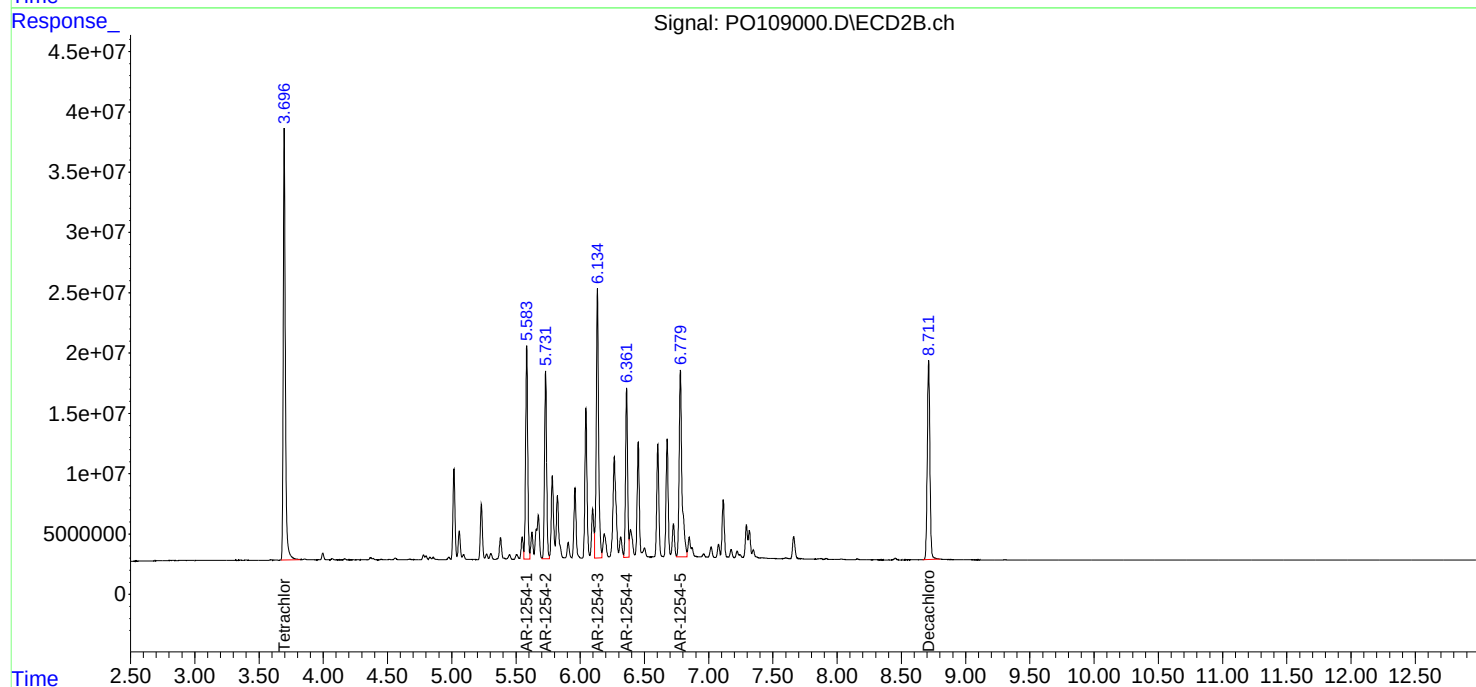
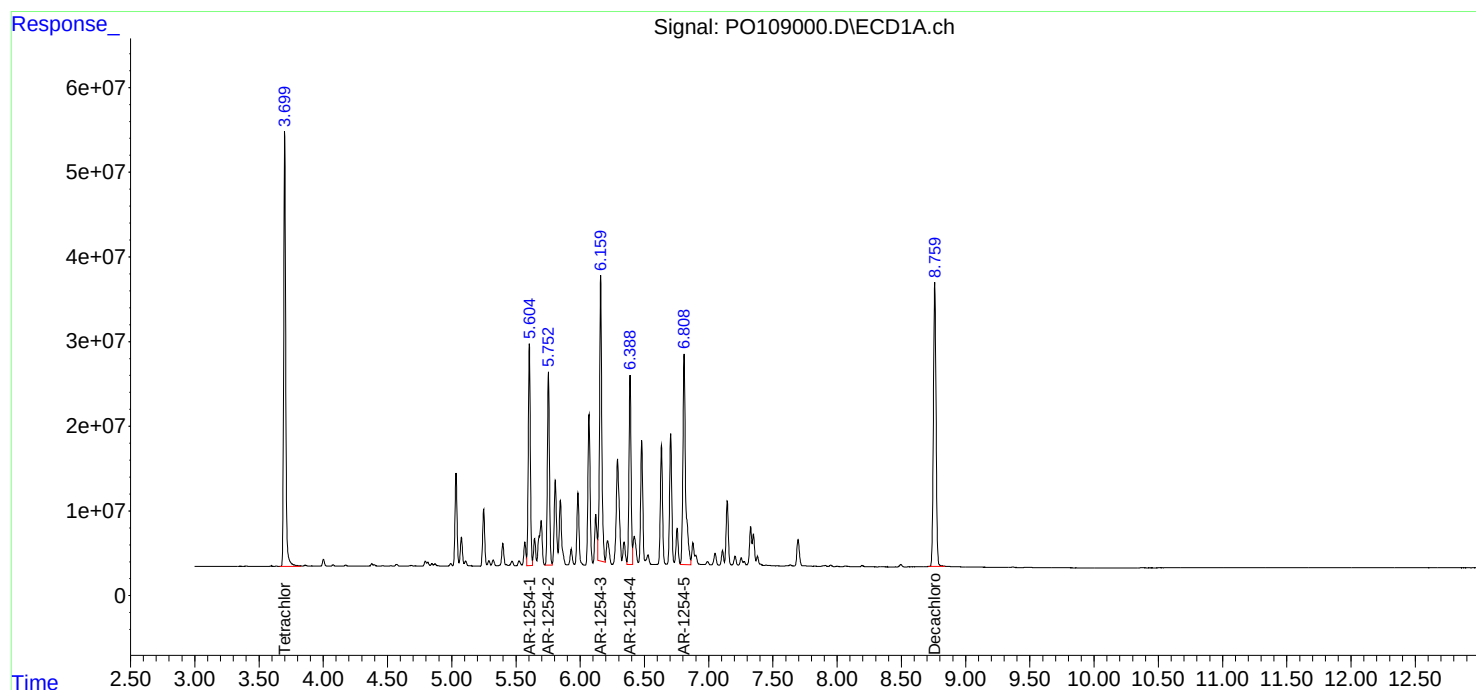
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

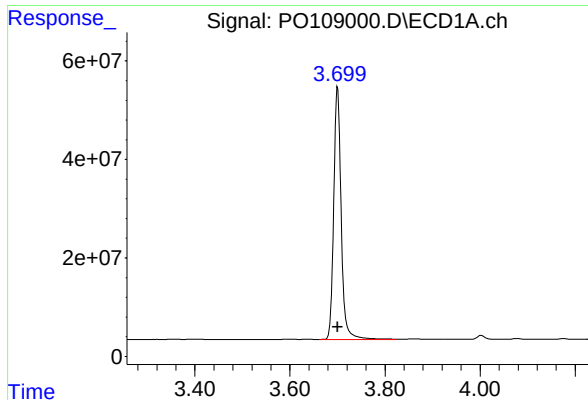
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109000.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:05  
Operator : YP/AJ  
Sample : AR1254ICC750  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:32:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

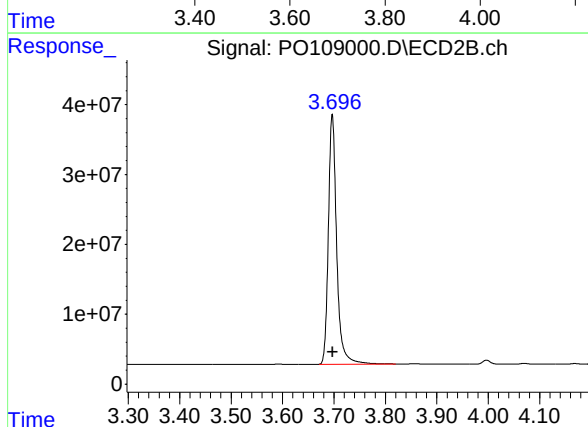




## #1 Tetrachloro-m-xylene

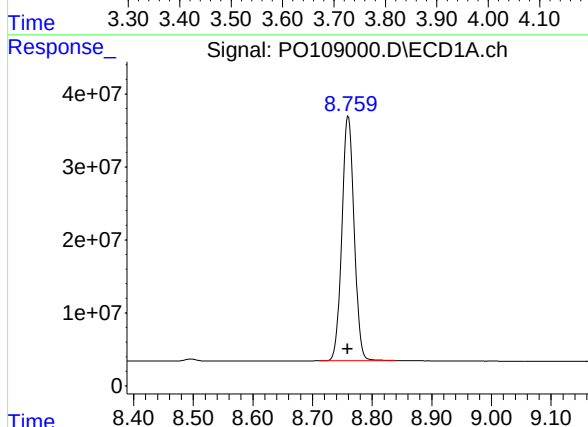
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 558981068  
Conc: 72.81 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750



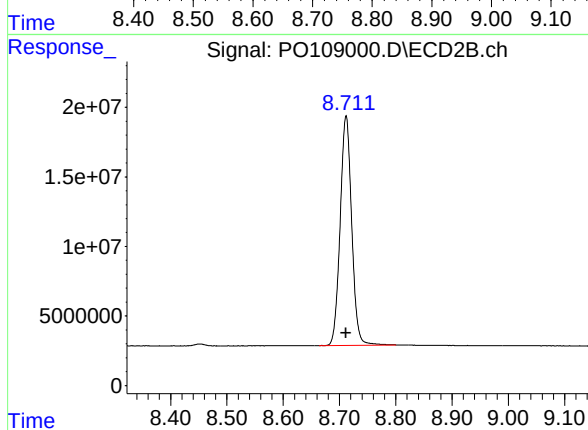
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 398888398  
Conc: 73.03 ng/ml



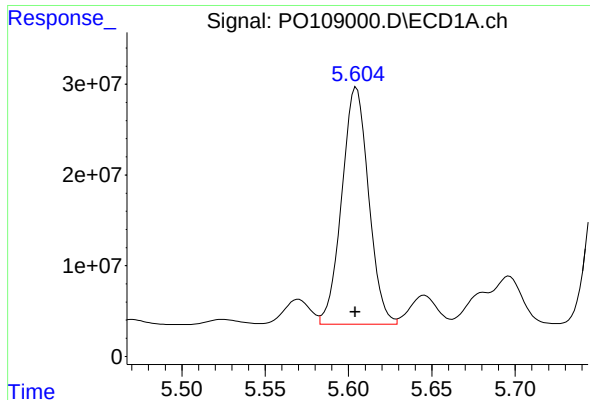
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.001 min  
Response: 477072686  
Conc: 71.69 ng/ml



## #2 Decachlorobiphenyl

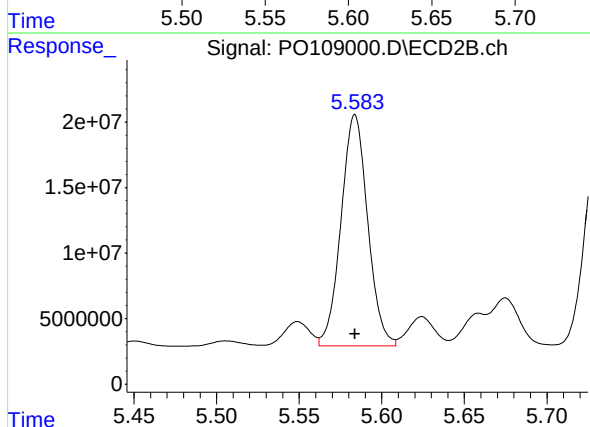
R.T.: 8.712 min  
Delta R.T.: 0.000 min  
Response: 234395658  
Conc: 71.58 ng/ml



#26 AR-1254-1

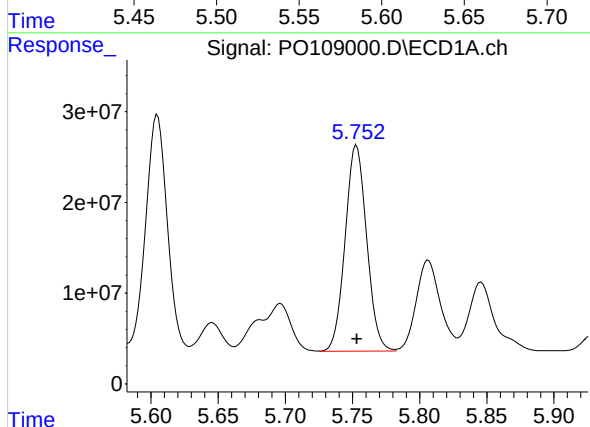
R.T.: 5.605 min  
Delta R.T.: 0.000 min  
Response: 292089186  
Conc: 711.20 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750



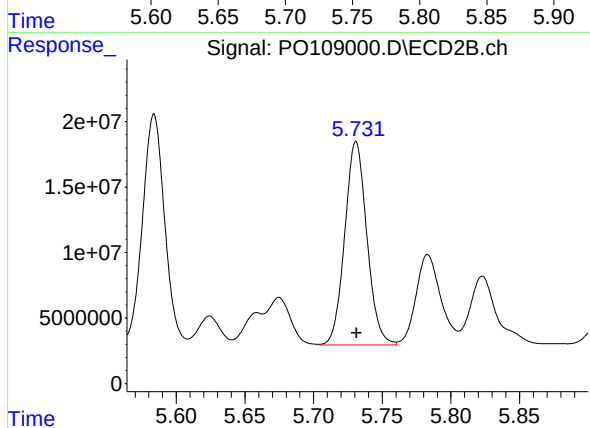
#26 AR-1254-1

R.T.: 5.584 min  
Delta R.T.: 0.000 min  
Response: 198514804  
Conc: 711.67 ng/ml



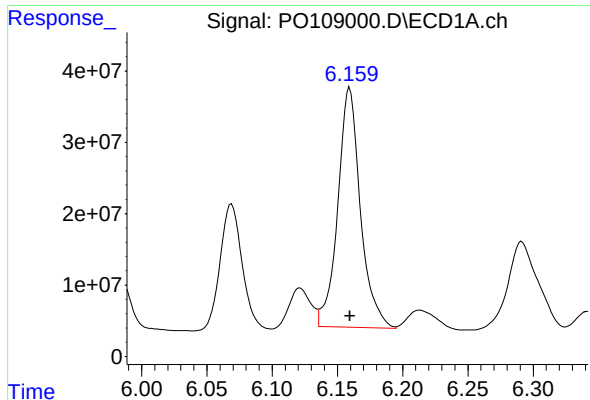
#27 AR-1254-2

R.T.: 5.753 min  
Delta R.T.: 0.000 min  
Response: 254458580  
Conc: 710.65 ng/ml



#27 AR-1254-2

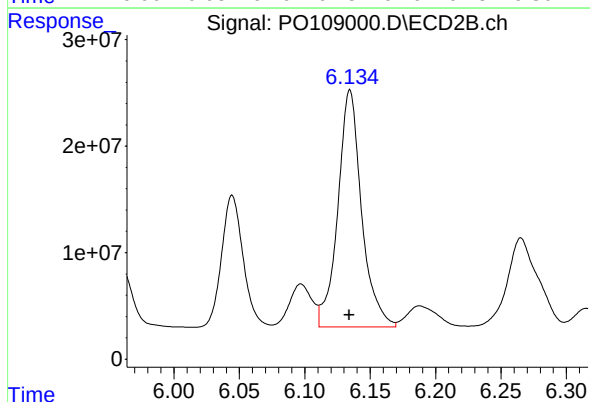
R.T.: 5.731 min  
Delta R.T.: 0.000 min  
Response: 174568135  
Conc: 705.66 ng/ml



#28 AR-1254-3

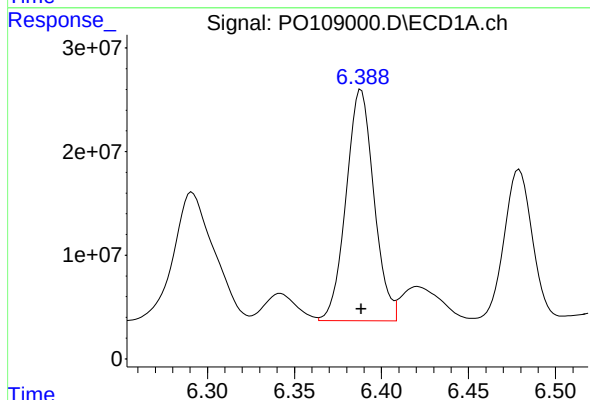
R.T.: 6.159 min  
Delta R.T.: 0.000 min  
Response: 405369970  
Conc: 720.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750



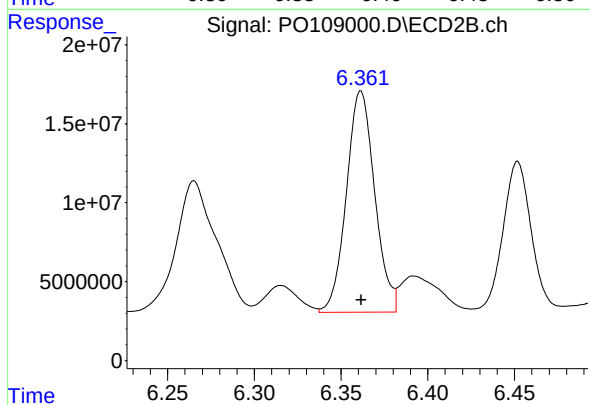
#28 AR-1254-3

R.T.: 6.135 min  
Delta R.T.: 0.000 min  
Response: 281813098  
Conc: 716.33 ng/ml



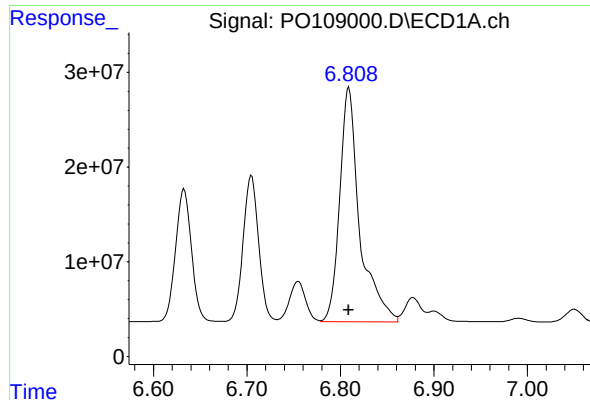
#29 AR-1254-4

R.T.: 6.388 min  
Delta R.T.: 0.000 min  
Response: 249029476  
Conc: 714.22 ng/ml



#29 AR-1254-4

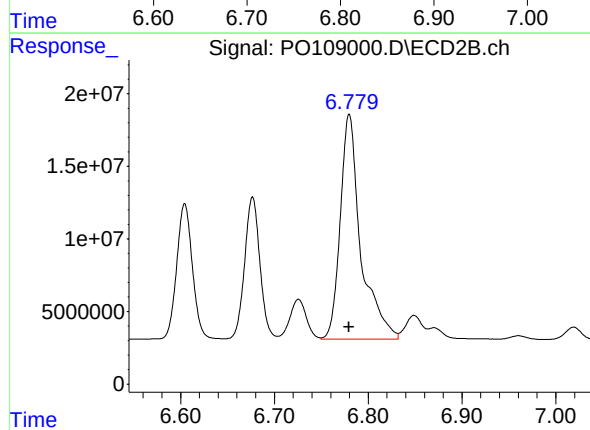
R.T.: 6.361 min  
Delta R.T.: 0.000 min  
Response: 159546693  
Conc: 717.24 ng/ml



#30 AR-1254-5

R.T.: 6.809 min  
Delta R.T.: 0.000 min  
Response: 367485024  
Conc: 713.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750



#30 AR-1254-5

R.T.: 6.780 min  
Delta R.T.: 0.000 min  
Response: 234989825  
Conc: 713.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109001.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:23  
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: Jan 22 01:32:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 383.9E6 | 273.1E6 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 332.8E6 | 163.7E6 | 50.000  | 50.000  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.604 | 5.584 | 205.3E6 | 139.5E6 | 500.000 | 500.000 |
| 27) L6 AR-1254-2            | 5.753 | 5.731 | 179.0E6 | 123.7E6 | 500.000 | 500.000 |
| 28) L6 AR-1254-3            | 6.160 | 6.134 | 281.3E6 | 196.7E6 | 500.000 | 500.000 |
| 29) L6 AR-1254-4            | 6.388 | 6.362 | 174.3E6 | 111.2E6 | 500.000 | 500.000 |
| 30) L6 AR-1254-5            | 6.809 | 6.779 | 257.5E6 | 164.6E6 | 500.000 | 500.000 |
| -----                       |       |       |         |         |         |         |

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

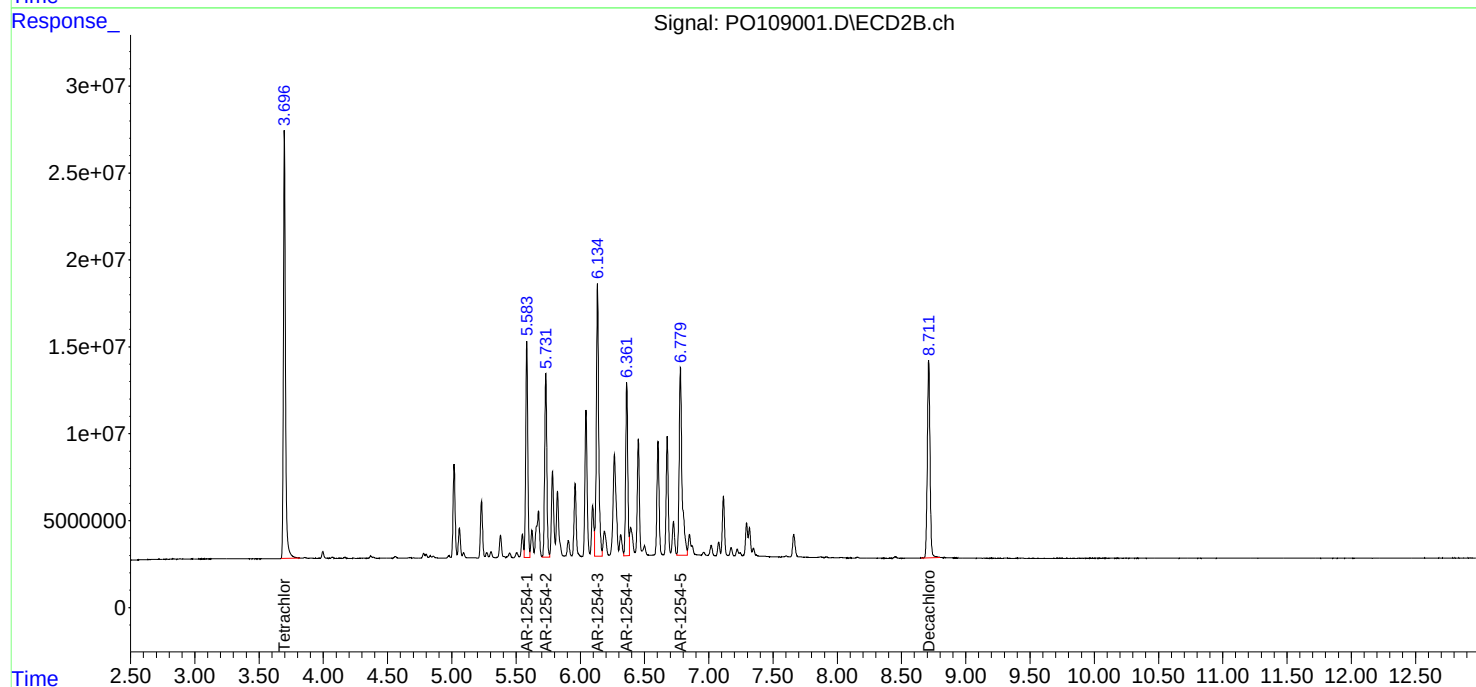
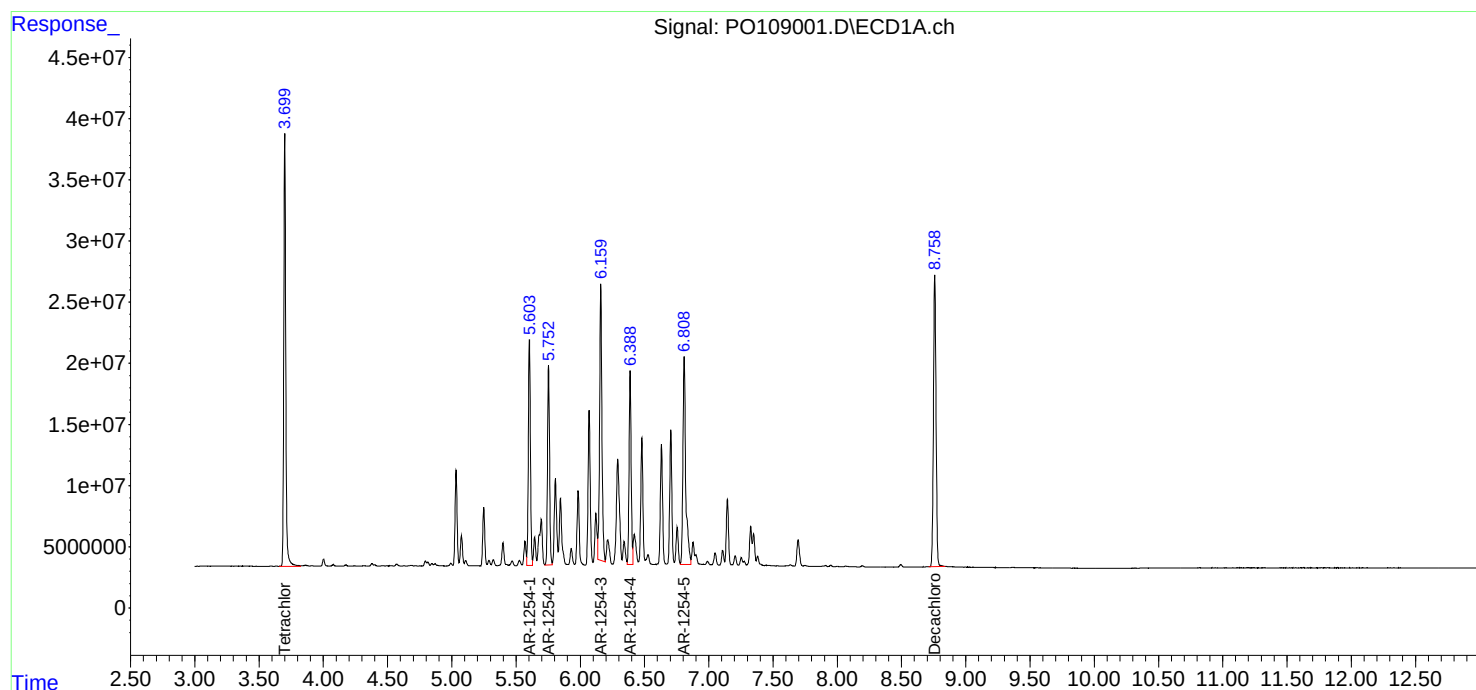


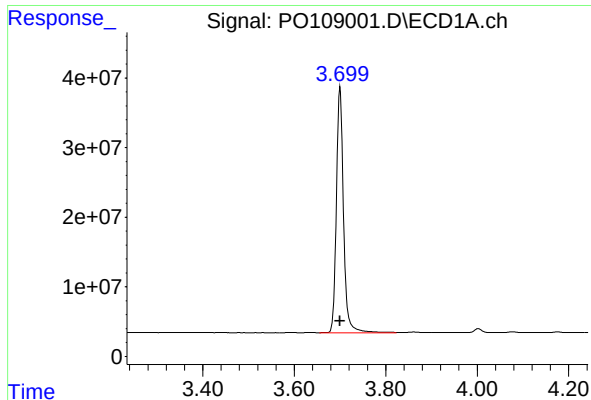
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109001.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:23  
Operator : YP/AJ  
Sample : AR1254ICC500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:32:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

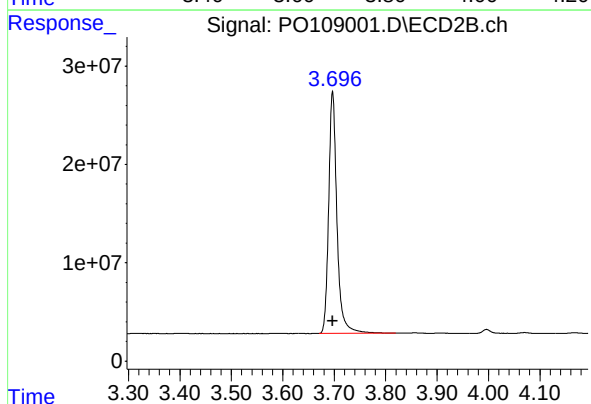




## #1 Tetrachloro-m-xylene

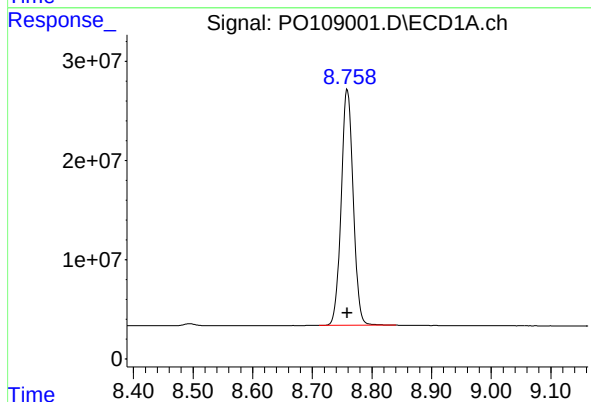
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 383870240  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



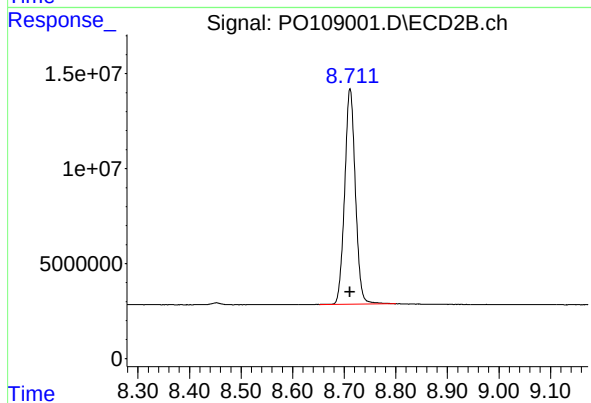
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 273112870  
Conc: 50.00 ng/ml



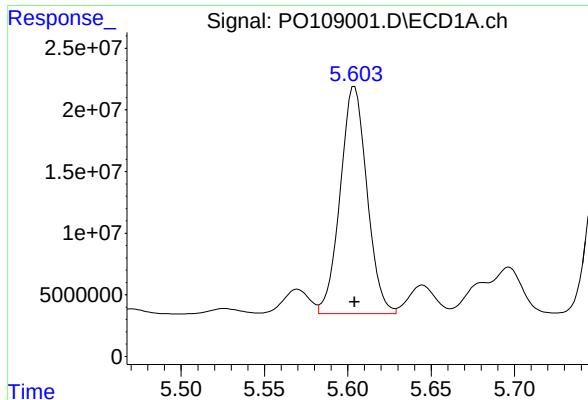
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 332752155  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

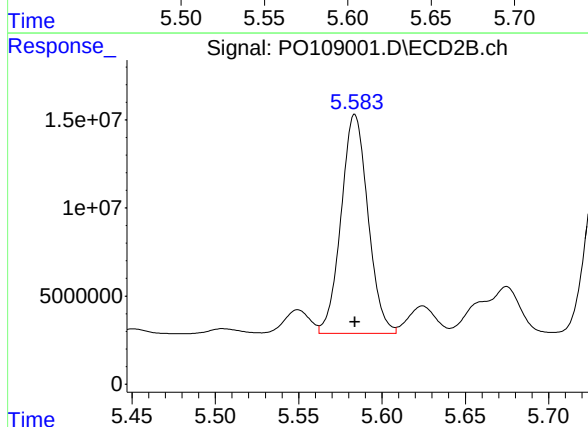
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 163720404  
Conc: 50.00 ng/ml



#26 AR-1254-1

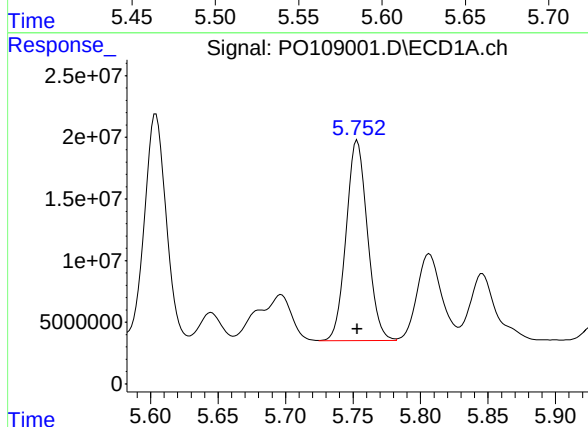
R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 205348918  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



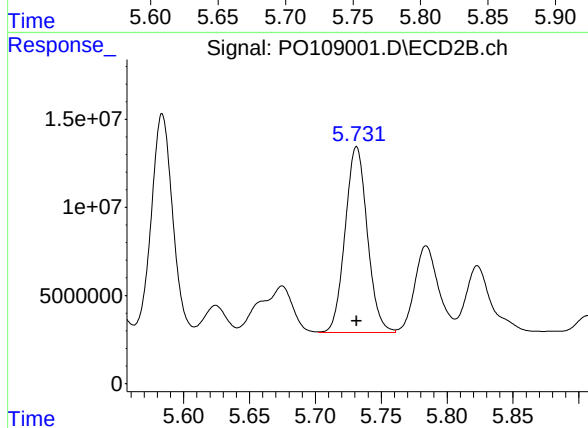
#26 AR-1254-1

R.T.: 5.584 min  
Delta R.T.: 0.000 min  
Response: 139470494  
Conc: 500.00 ng/ml



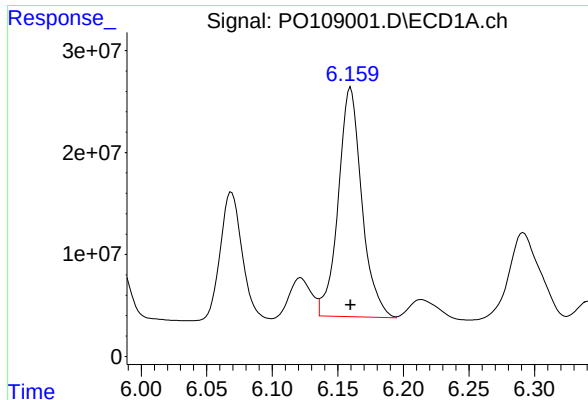
#27 AR-1254-2

R.T.: 5.753 min  
Delta R.T.: 0.000 min  
Response: 179033384  
Conc: 500.00 ng/ml



#27 AR-1254-2

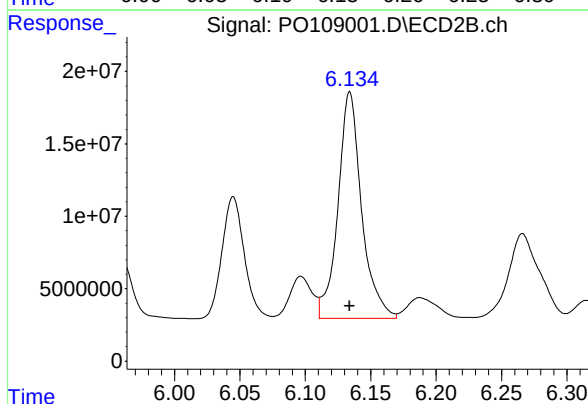
R.T.: 5.731 min  
Delta R.T.: 0.000 min  
Response: 123691637  
Conc: 500.00 ng/ml



#28 AR-1254-3

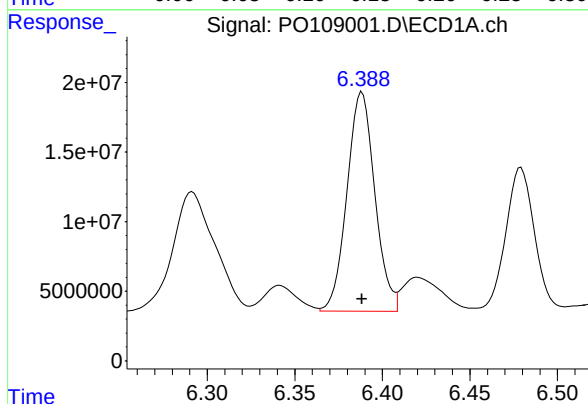
R.T.: 6.160 min  
Delta R.T.: 0.000 min  
Response: 281309286  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254\ICC500



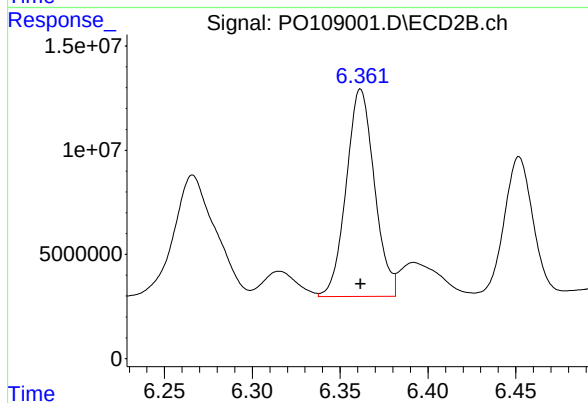
#28 AR-1254-3

R.T.: 6.134 min  
Delta R.T.: 0.000 min  
Response: 196706440  
Conc: 500.00 ng/ml



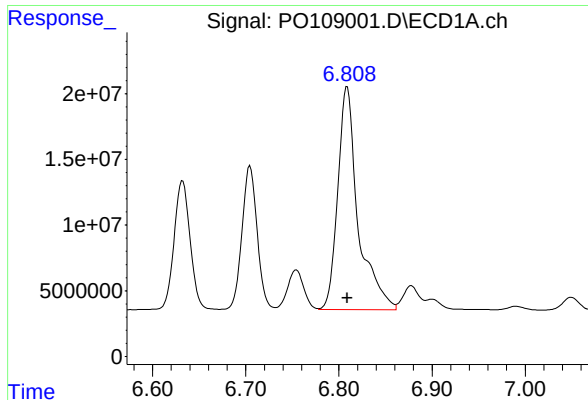
#29 AR-1254-4

R.T.: 6.388 min  
Delta R.T.: 0.000 min  
Response: 174336631  
Conc: 500.00 ng/ml



#29 AR-1254-4

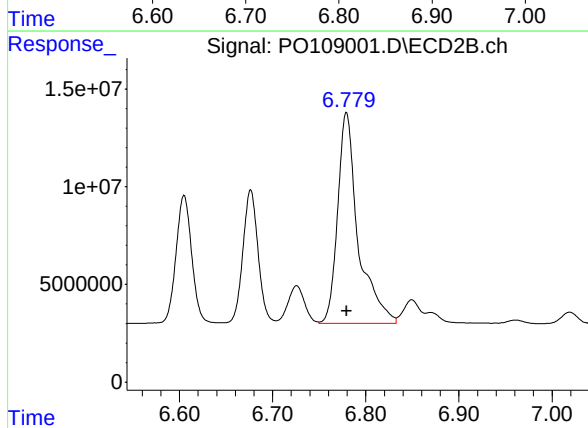
R.T.: 6.362 min  
Delta R.T.: 0.000 min  
Response: 111222840  
Conc: 500.00 ng/ml



#30 AR-1254-5

R.T.: 6.809 min  
Delta R.T.: 0.000 min  
Response: 257517779  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



#30 AR-1254-5

R.T.: 6.779 min  
Delta R.T.: 0.000 min  
Response: 164573286  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109002.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:42  
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: Jan 22 01:32:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.698 | 192.2E6  | 136.4E6  | 25.029  | 24.964  |
| 2) SA Decachlor...          | 8.761 | 8.712 | 174.0E6  | 87026452 | 26.148  | 26.578  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 26) L6 AR-1254-1            | 5.605 | 5.585 | 108.4E6  | 73791093 | 263.852 | 264.540 |
| 27) L6 AR-1254-2            | 5.754 | 5.732 | 95322270 | 65724022 | 266.214 | 265.677 |
| 28) L6 AR-1254-3            | 6.160 | 6.136 | 146.9E6  | 102.5E6  | 261.012 | 260.424 |
| 29) L6 AR-1254-4            | 6.390 | 6.362 | 90259258 | 57822400 | 258.865 | 259.939 |
| 30) L6 AR-1254-5            | 6.810 | 6.781 | 134.4E6  | 85778774 | 260.980 | 260.610 |
| -----                       |       |       |          |          |         |         |

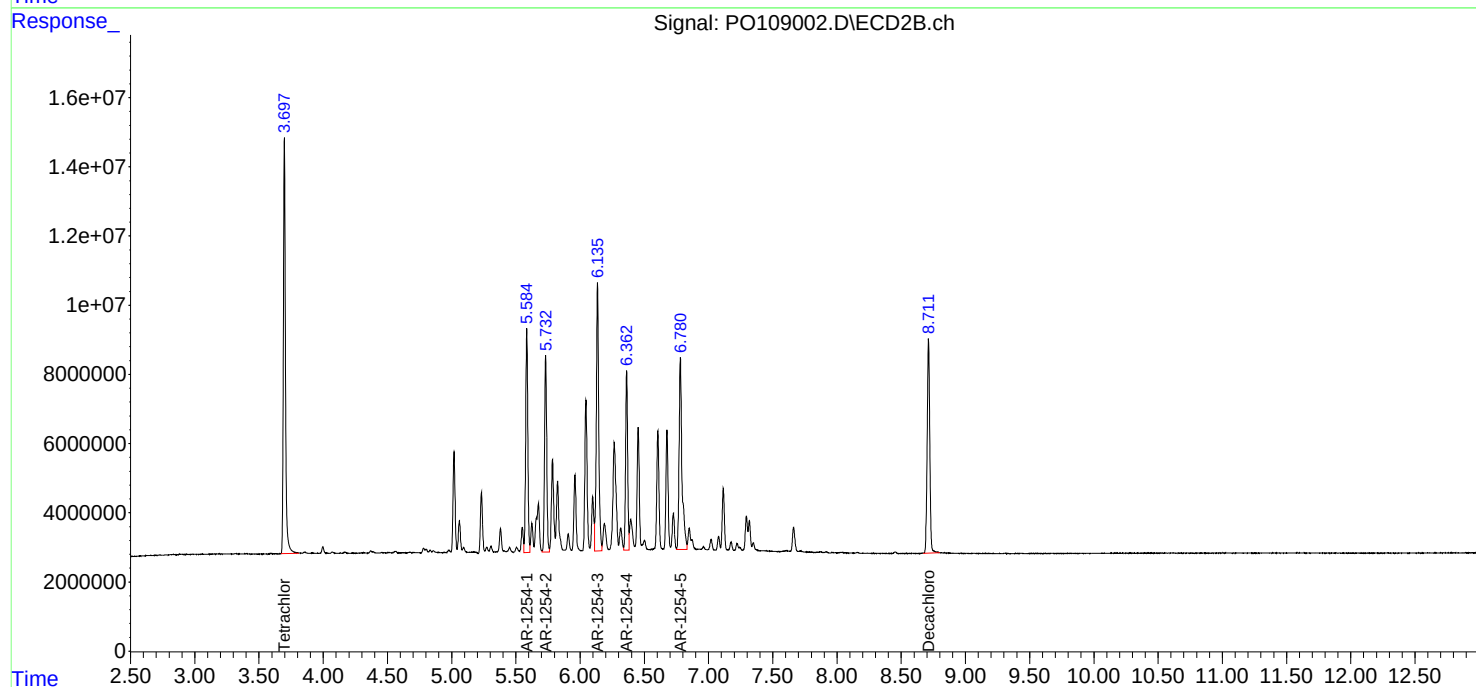
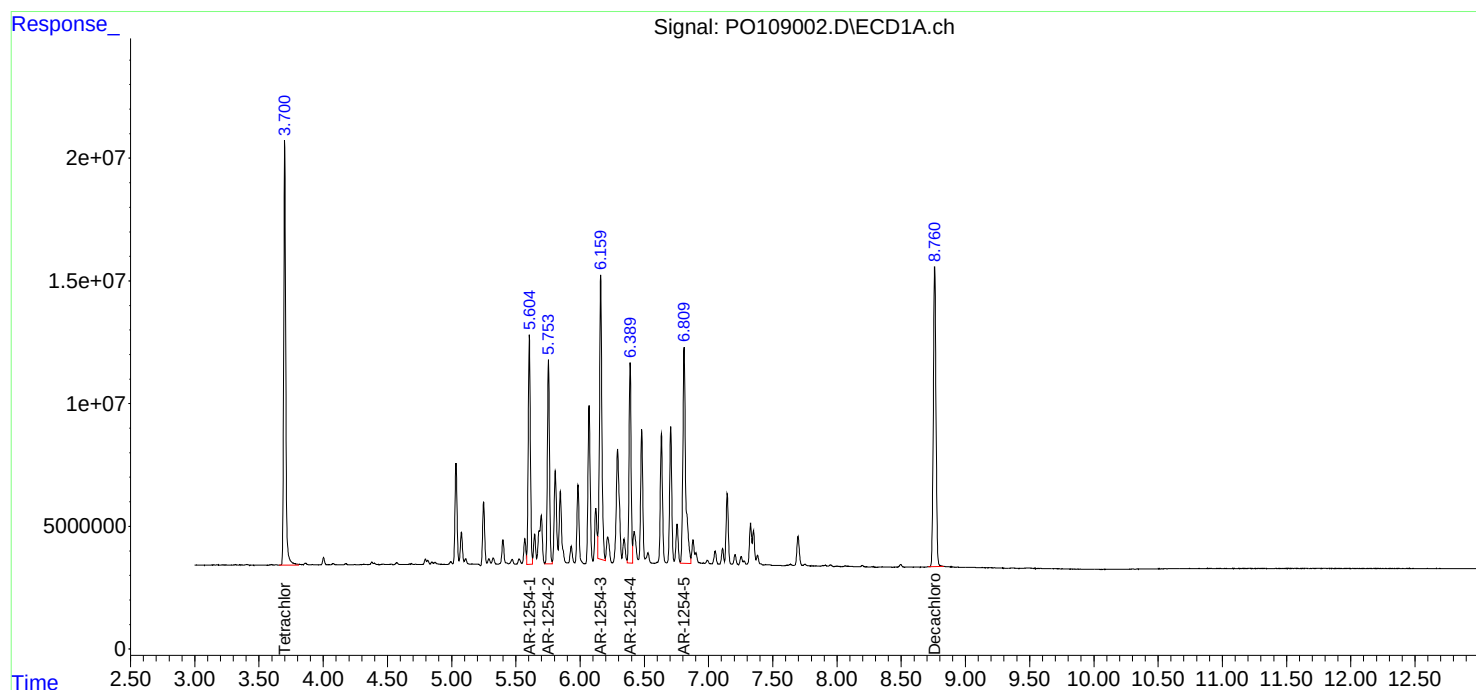
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

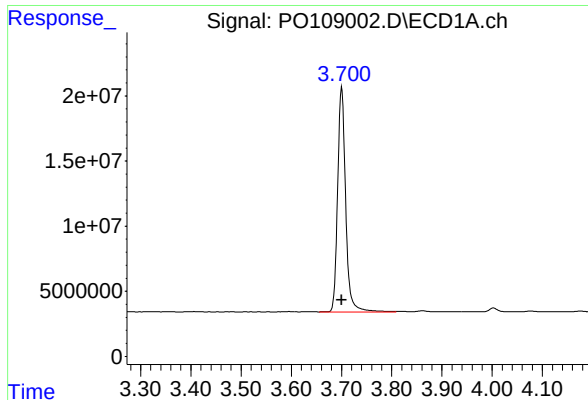
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109002.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 23:42  
Operator : YP/AJ  
Sample : AR1254ICC250  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:32:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

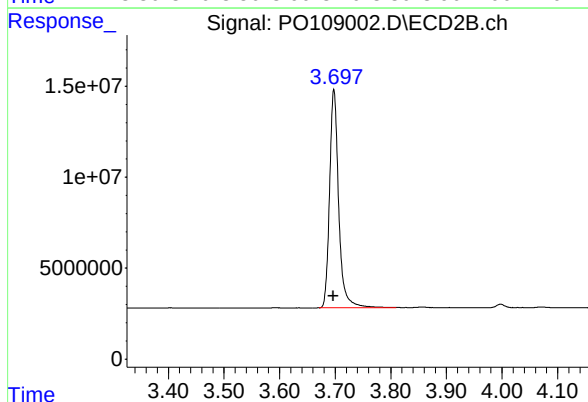




## #1 Tetrachloro-m-xylene

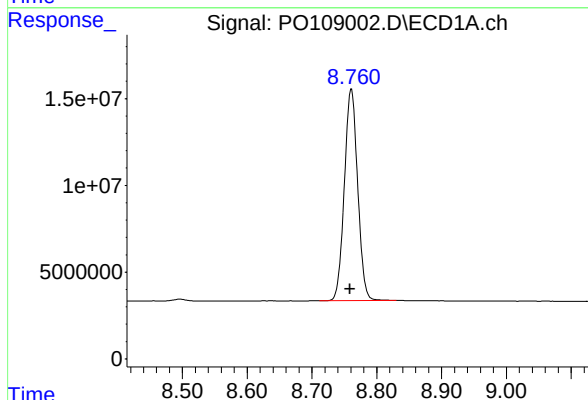
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 192156291  
Conc: 25.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



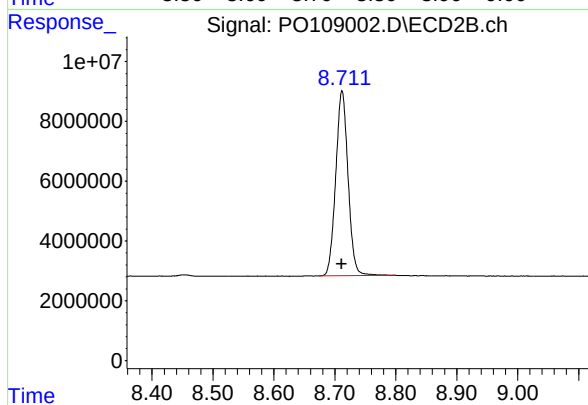
## #1 Tetrachloro-m-xylene

R.T.: 3.698 min  
Delta R.T.: 0.000 min  
Response: 136359162  
Conc: 24.96 ng/ml



## #2 Decachlorobiphenyl

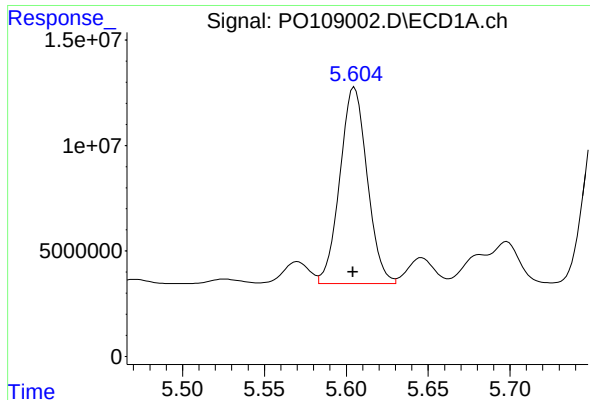
R.T.: 8.761 min  
Delta R.T.: 0.002 min  
Response: 174016943  
Conc: 26.15 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: 0.000 min  
Response: 87026452  
Conc: 26.58 ng/ml

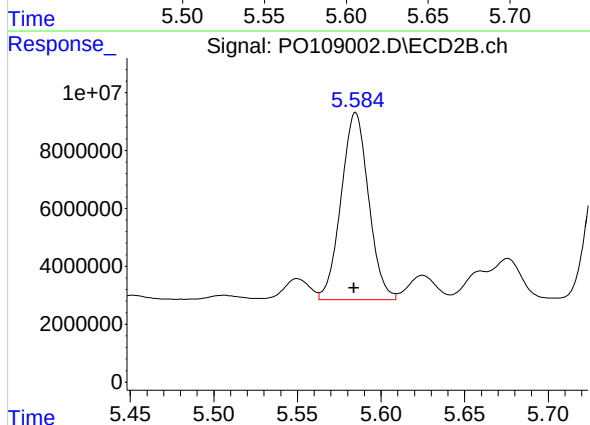




#26 AR-1254-1

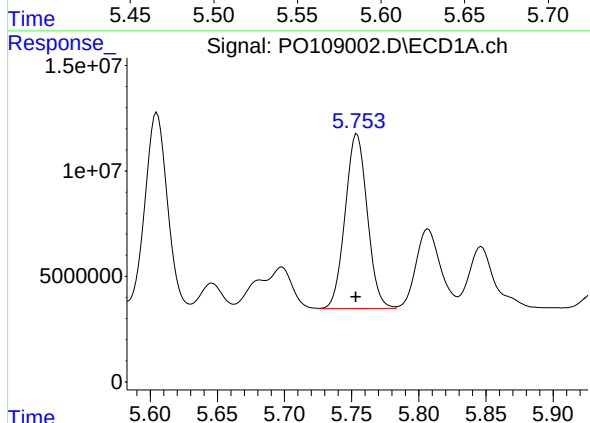
R.T.: 5.605 min  
Delta R.T.: 0.000 min  
Response: 108363517  
Conc: 263.85 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



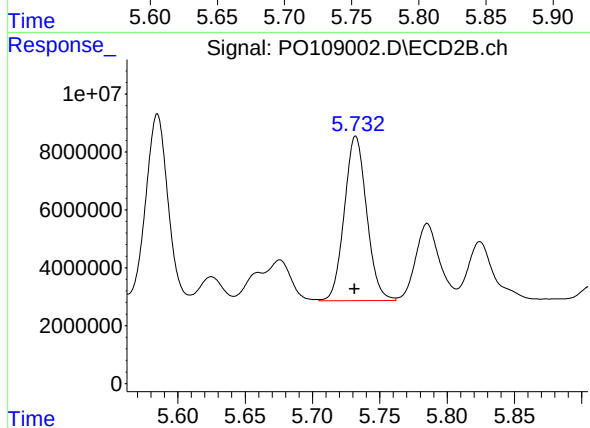
#26 AR-1254-1

R.T.: 5.585 min  
Delta R.T.: 0.001 min  
Response: 73791093  
Conc: 264.54 ng/ml



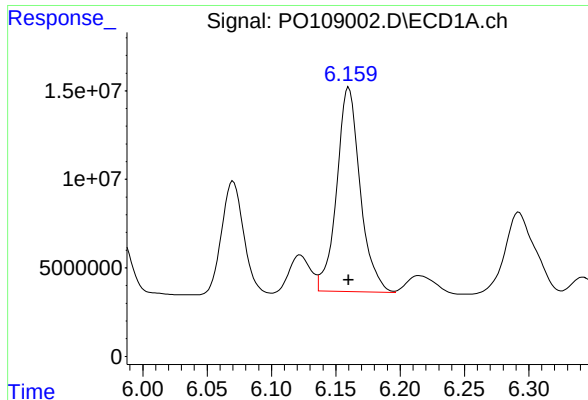
#27 AR-1254-2

R.T.: 5.754 min  
Delta R.T.: 0.000 min  
Response: 95322270  
Conc: 266.21 ng/ml



#27 AR-1254-2

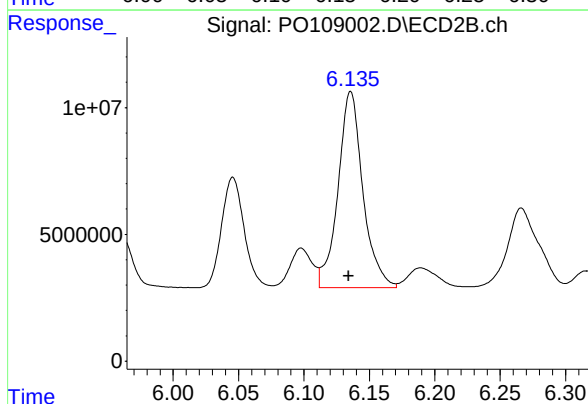
R.T.: 5.732 min  
Delta R.T.: 0.000 min  
Response: 65724022  
Conc: 265.68 ng/ml



#28 AR-1254-3

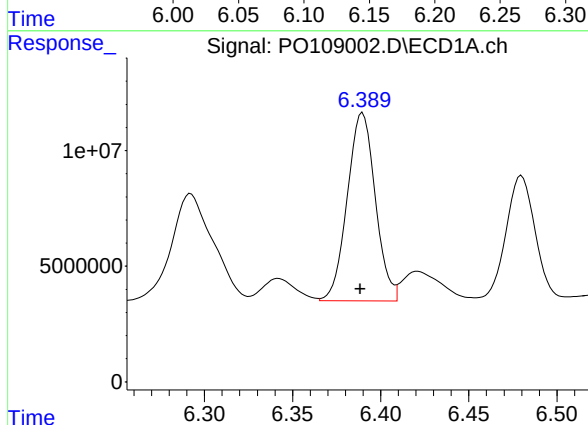
R.T.: 6.160 min  
Delta R.T.: 0.000 min  
Response: 146850240  
Conc: 261.01 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



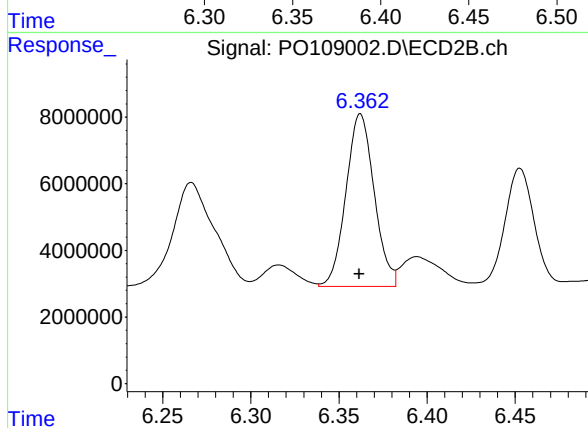
#28 AR-1254-3

R.T.: 6.136 min  
Delta R.T.: 0.002 min  
Response: 102454294  
Conc: 260.42 ng/ml



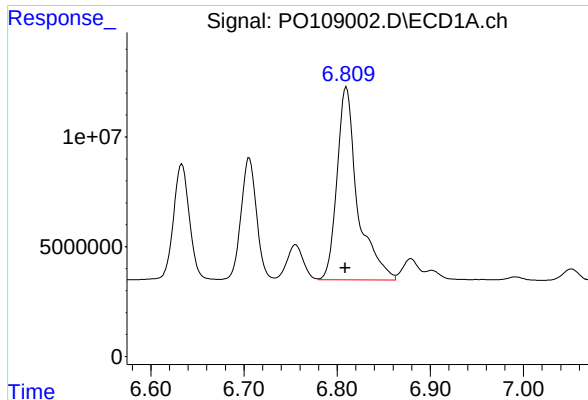
#29 AR-1254-4

R.T.: 6.390 min  
Delta R.T.: 0.001 min  
Response: 90259258  
Conc: 258.86 ng/ml



#29 AR-1254-4

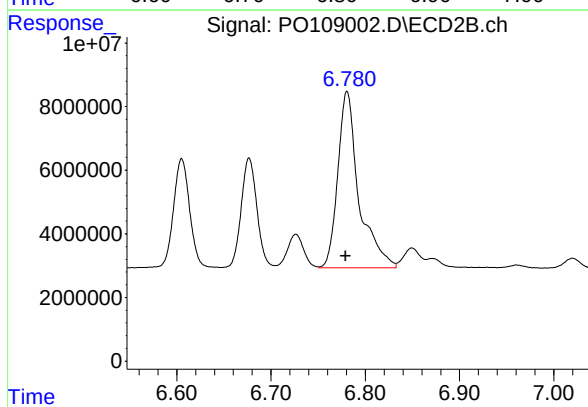
R.T.: 6.362 min  
Delta R.T.: 0.000 min  
Response: 57822400  
Conc: 259.94 ng/ml



#30 AR-1254-5

R.T.: 6.810 min  
Delta R.T.: 0.001 min  
Response: 134413962  
Conc: 260.98 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



#30 AR-1254-5

R.T.: 6.781 min  
Delta R.T.: 0.001 min  
Response: 85778774  
Conc: 260.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109003.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:00  
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: Jan 22 01:32:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 36686751 | 25840105 | 4.779  | 4.731  |
| 2) SA Decachlor...          | 8.760 | 8.711 | 36021189 | 17961349 | 5.413  | 5.485  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 26) L6 AR-1254-1            | 5.604 | 5.583 | 22960266 | 15653784 | 55.905 | 56.119 |
| 27) L6 AR-1254-2            | 5.753 | 5.731 | 20257631 | 14258814 | 56.575 | 57.639 |
| 28) L6 AR-1254-3            | 6.160 | 6.134 | 30397541 | 21139481 | 54.029 | 53.734 |
| 29) L6 AR-1254-4            | 6.388 | 6.361 | 17648522 | 11366616 | 50.616 | 51.098 |
| 30) L6 AR-1254-5            | 6.809 | 6.779 | 27374113 | 17267837 | 53.150 | 52.462 |
| -----                       |       |       |          |          |        |        |

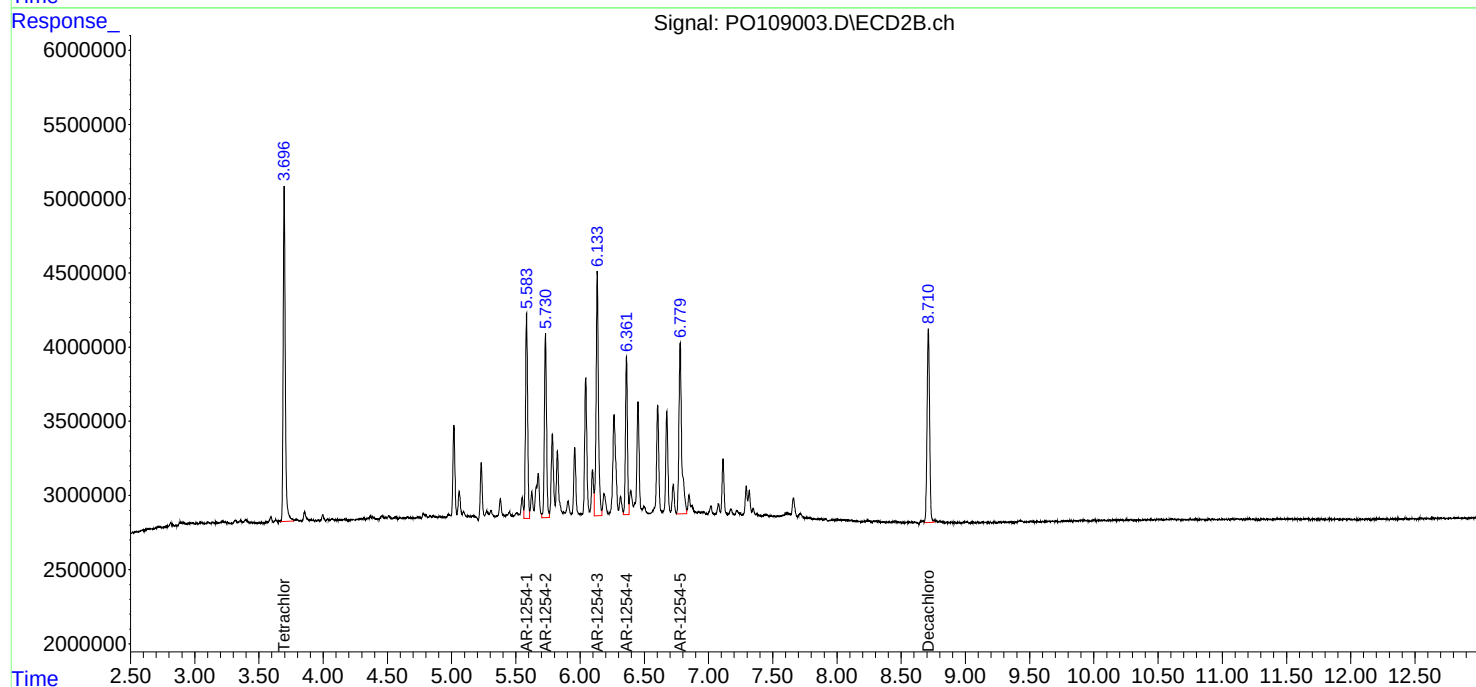
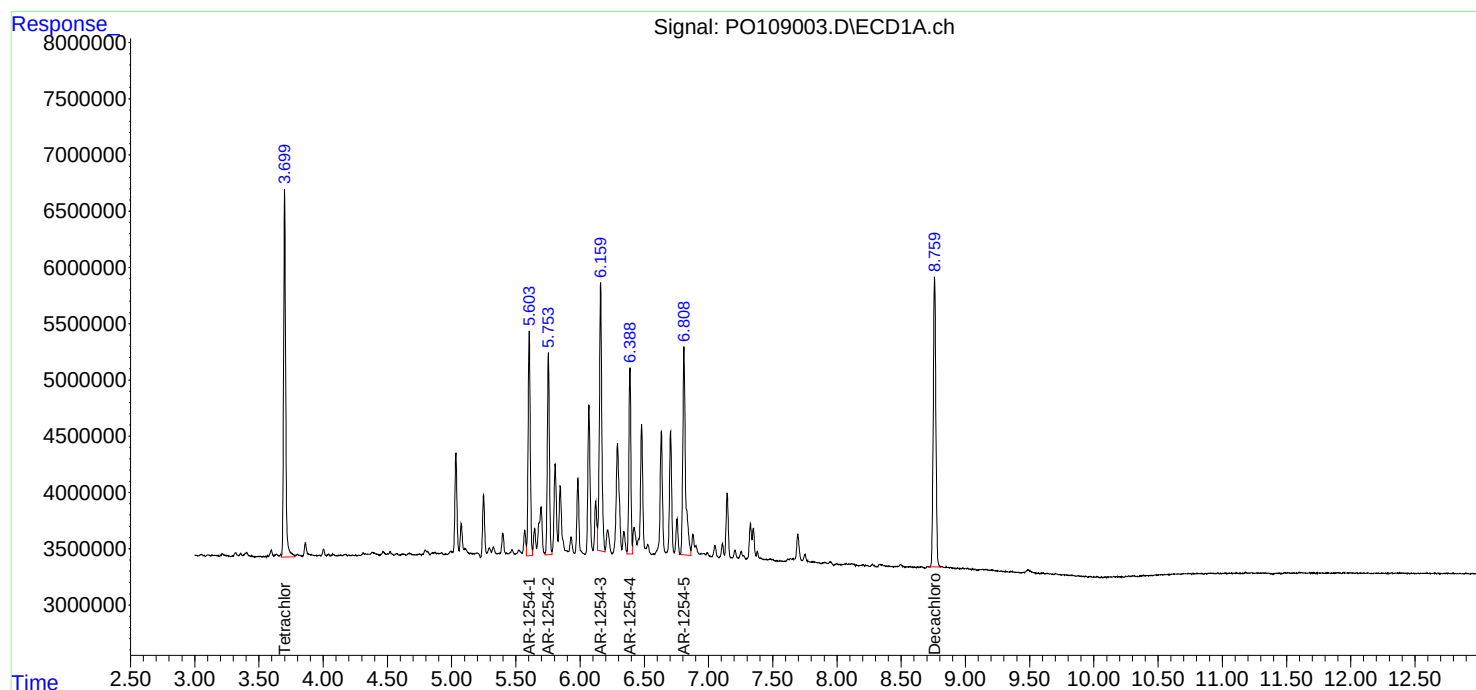
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

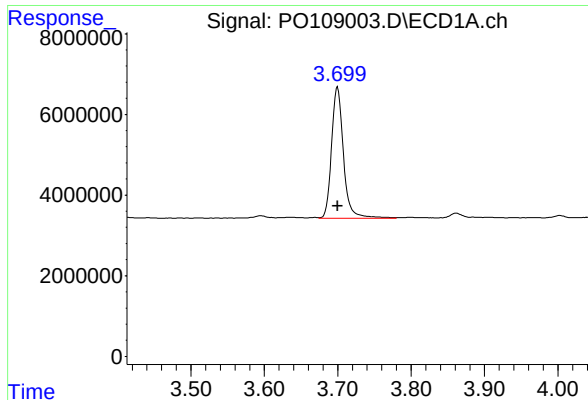
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109003.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:00  
Operator : YP/AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:32:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:28:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

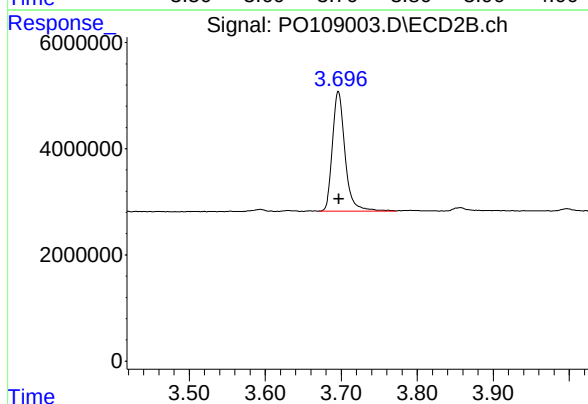




## #1 Tetrachloro-m-xylene

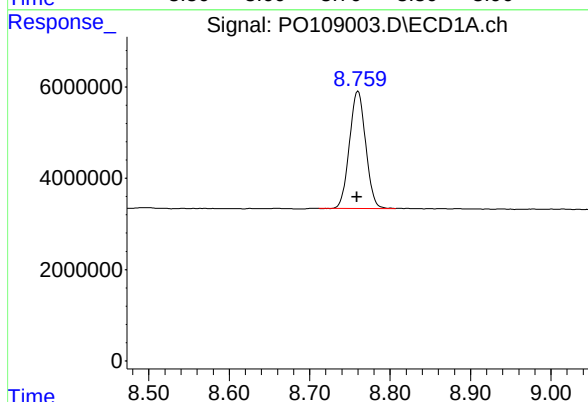
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 36686751  
Conc: 4.78 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



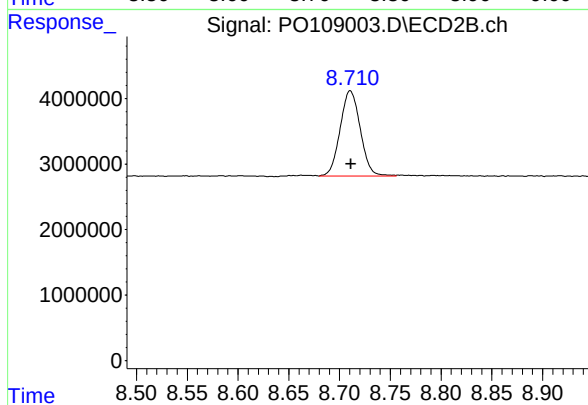
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 25840105  
Conc: 4.73 ng/ml



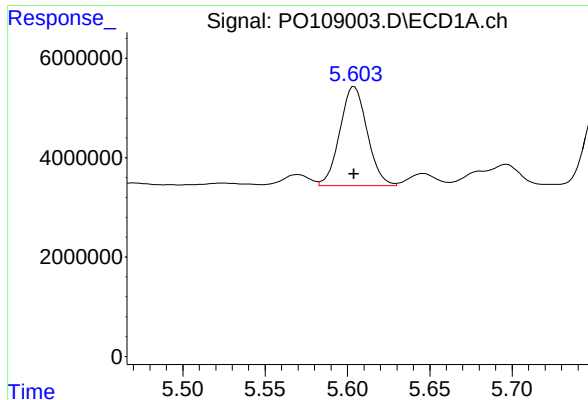
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.001 min  
Response: 36021189  
Conc: 5.41 ng/ml



## #2 Decachlorobiphenyl

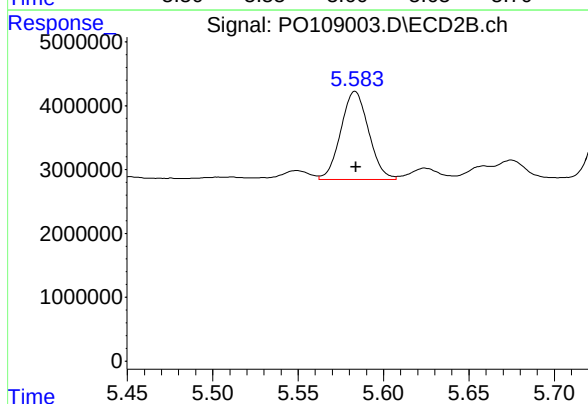
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 17961349  
Conc: 5.49 ng/ml



#26 AR-1254-1

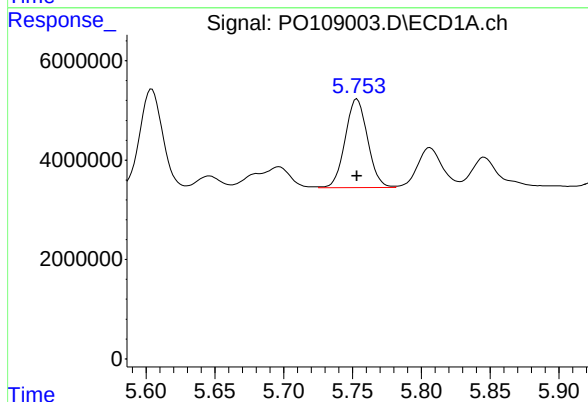
R.T.: 5.604 min  
Delta R.T.: 0.000 min  
Response: 22960266  
Conc: 55.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



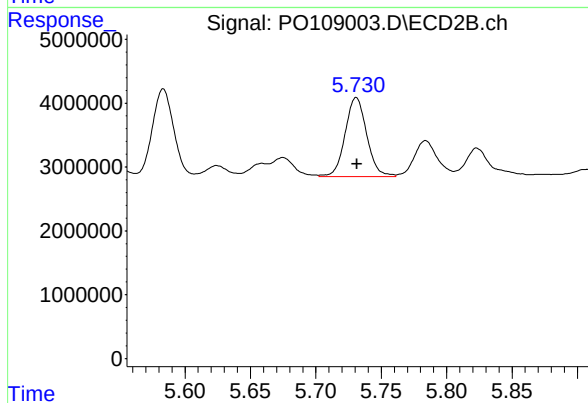
#26 AR-1254-1

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 15653784  
Conc: 56.12 ng/ml



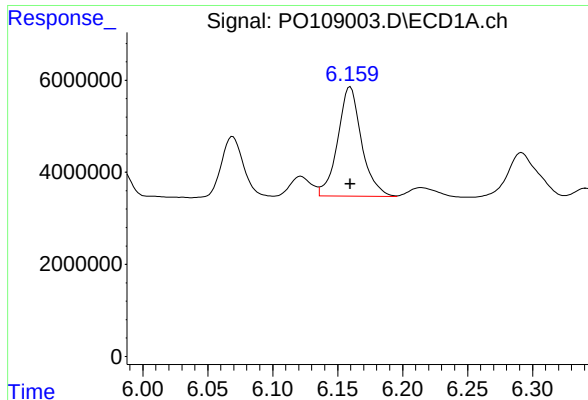
#27 AR-1254-2

R.T.: 5.753 min  
Delta R.T.: 0.000 min  
Response: 20257631  
Conc: 56.58 ng/ml



#27 AR-1254-2

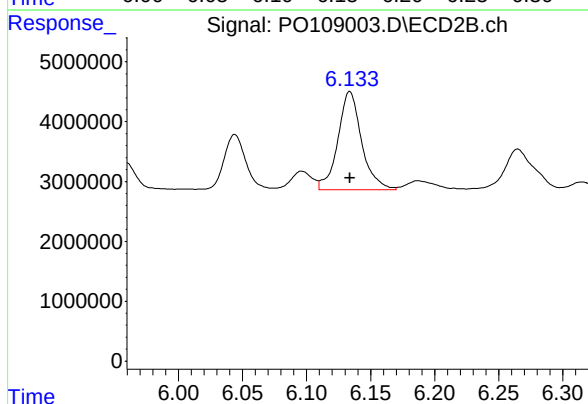
R.T.: 5.731 min  
Delta R.T.: 0.000 min  
Response: 14258814  
Conc: 57.64 ng/ml



#28 AR-1254-3

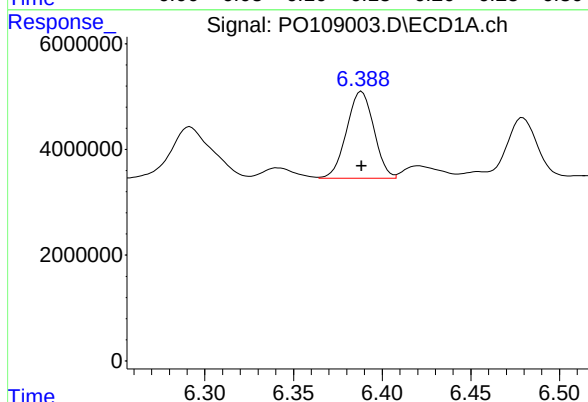
R.T.: 6.160 min  
Delta R.T.: 0.000 min  
Response: 30397541  
Conc: 54.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



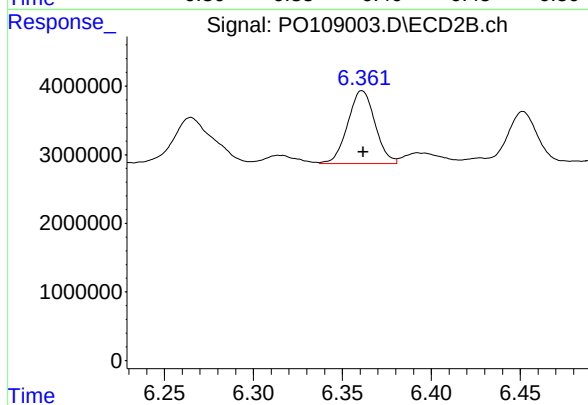
#28 AR-1254-3

R.T.: 6.134 min  
Delta R.T.: 0.000 min  
Response: 21139481  
Conc: 53.73 ng/ml



#29 AR-1254-4

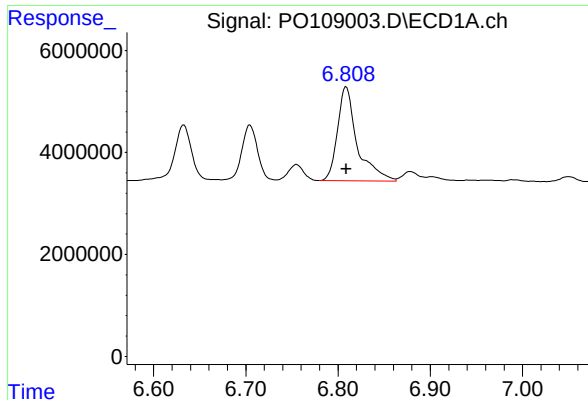
R.T.: 6.388 min  
Delta R.T.: 0.000 min  
Response: 17648522  
Conc: 50.62 ng/ml



#29 AR-1254-4

R.T.: 6.361 min  
Delta R.T.: 0.000 min  
Response: 11366616  
Conc: 51.10 ng/ml

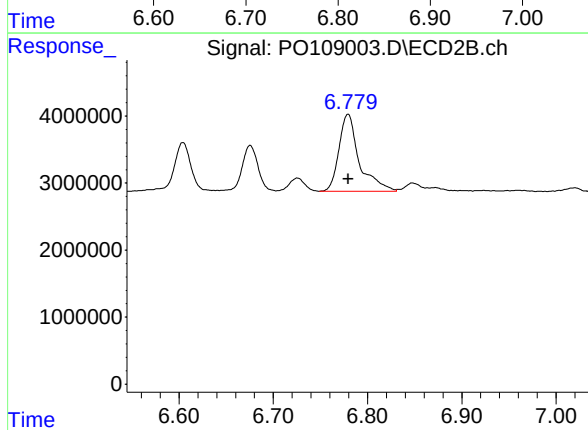




#30 AR-1254-5

R.T.: 6.809 min  
Delta R.T.: 0.000 min  
Response: 27374113  
Conc: 53.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



#30 AR-1254-5

R.T.: 6.779 min  
Delta R.T.: 0.000 min  
Response: 17267837  
Conc: 52.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109004.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:18  
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: Jan 22 01:49:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:48:20 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.697 | 372.2E6 | 264.9E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.759 | 8.710 | 321.8E6 | 159.1E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 36) L8 AR-1262-1            | 6.848 | 6.818 | 267.0E6 | 170.2E6  | 500.000 | 500.000 |
| 37) L8 AR-1262-2            | 7.349 | 7.317 | 459.7E6 | 277.3E6  | 500.000 | 500.000 |
| 38) L8 AR-1262-3            | 7.635 | 7.602 | 182.3E6 | 107.2E6  | 500.000 | 500.000 |
| 39) L8 AR-1262-4            | 7.698 | 7.665 | 343.8E6 | 195.9E6  | 500.000 | 500.000 |
| 40) L8 AR-1262-5            | 8.196 | 8.158 | 151.1E6 | 79730723 | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

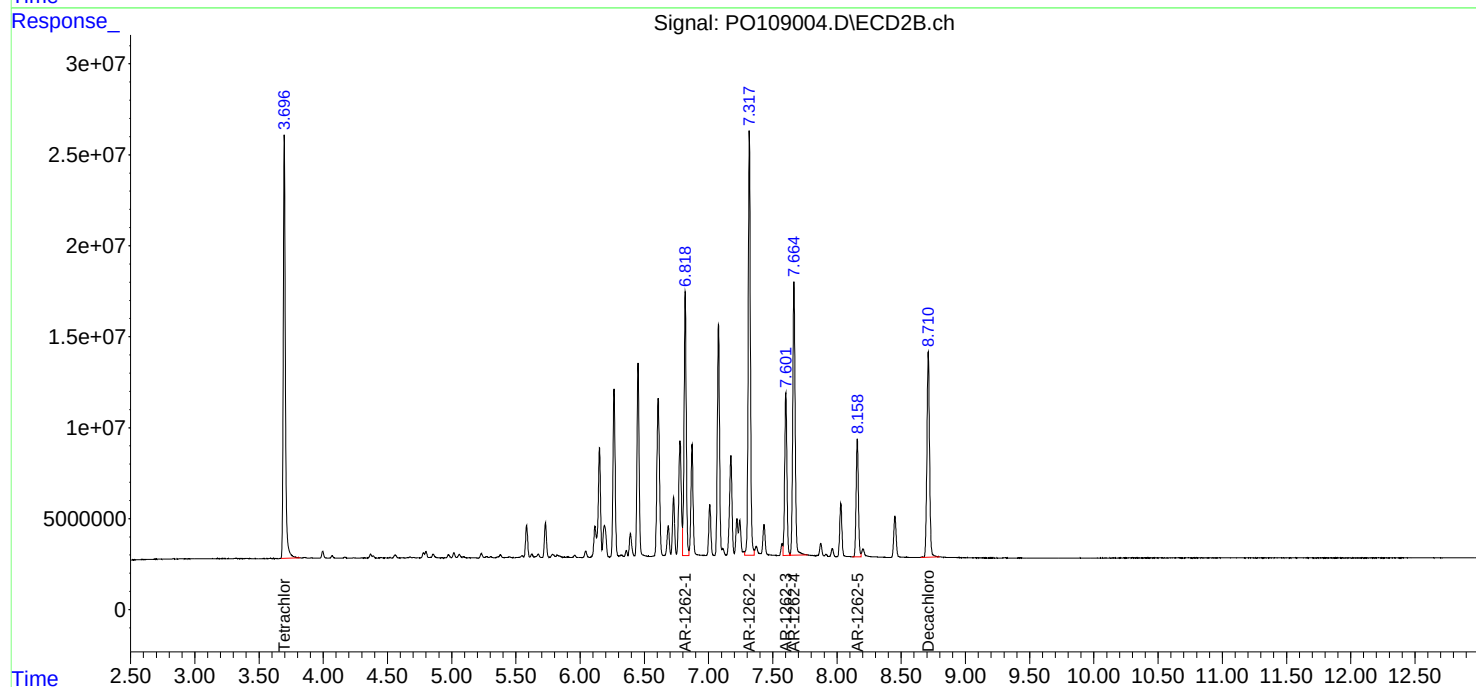
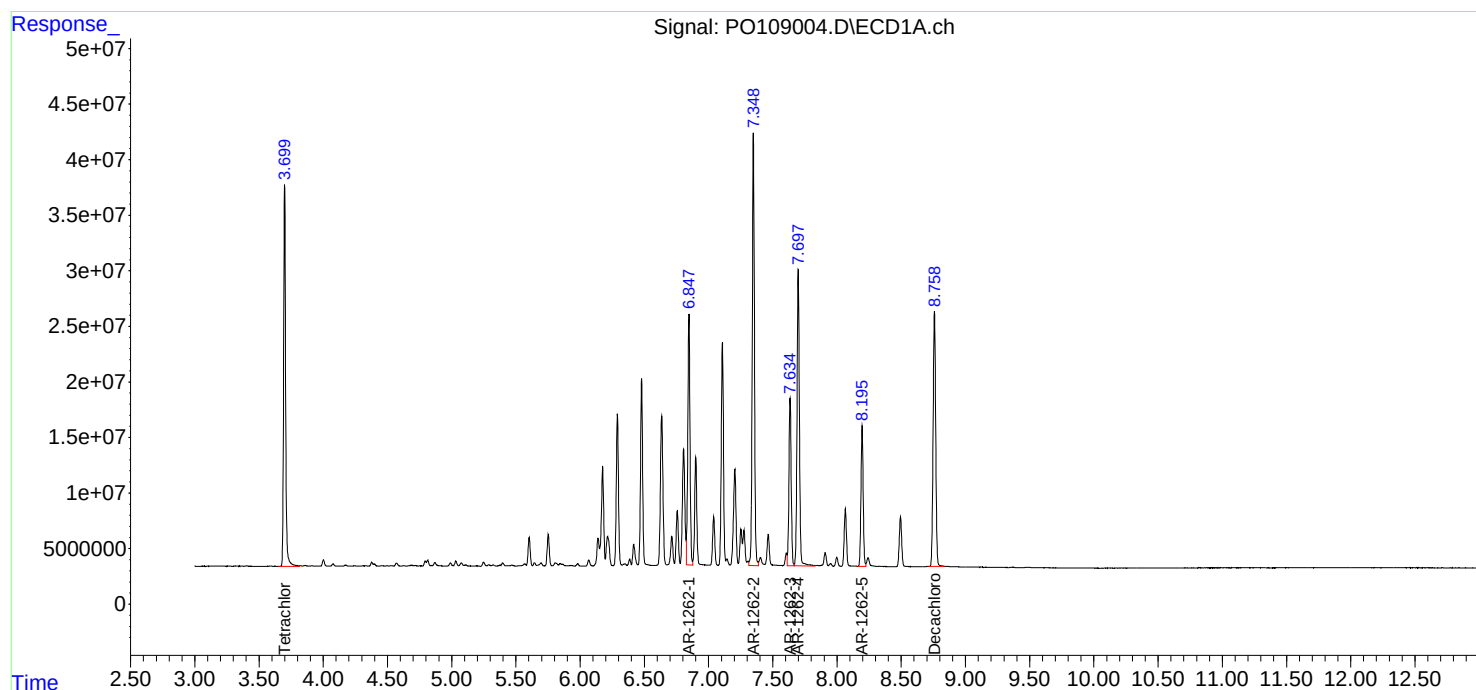
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

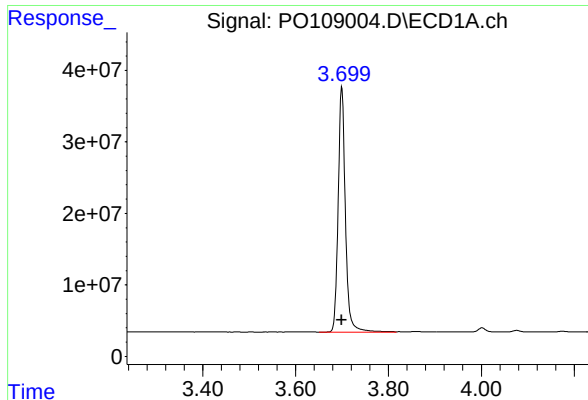
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109004.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:18  
Operator : YP/AJ  
Sample : AR1262ICC500  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:49:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:48:20 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

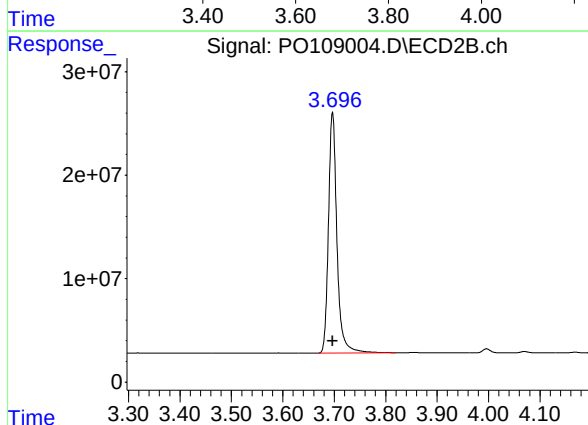




## #1 Tetrachloro-m-xylene

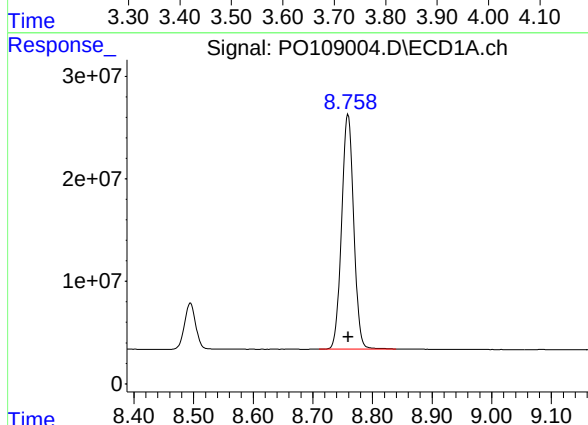
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 372172354  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



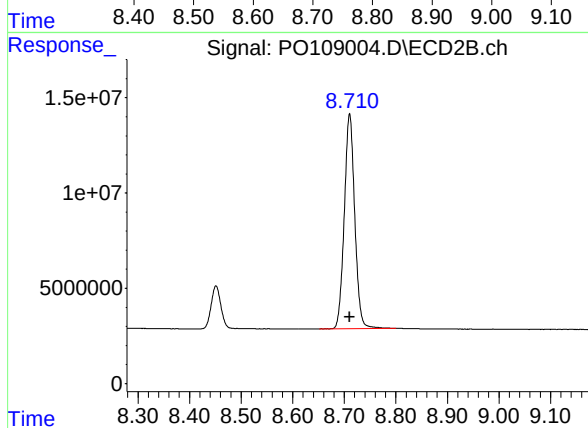
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 264879398  
Conc: 50.00 ng/ml



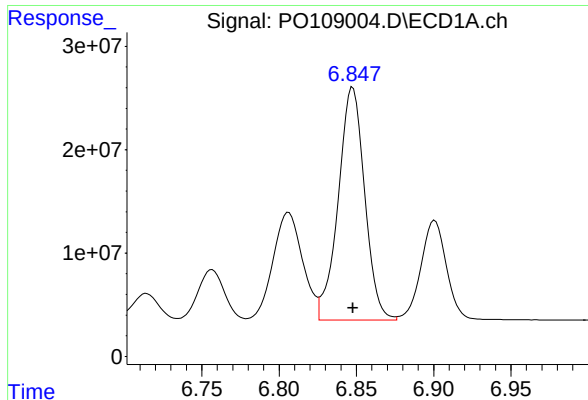
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 321772989  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

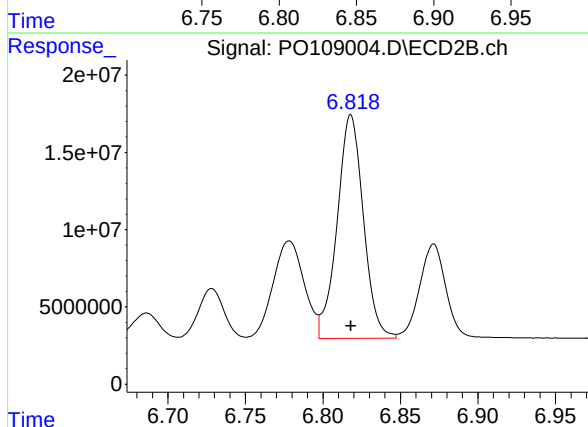
R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 159123424  
Conc: 50.00 ng/ml



#36 AR-1262-1

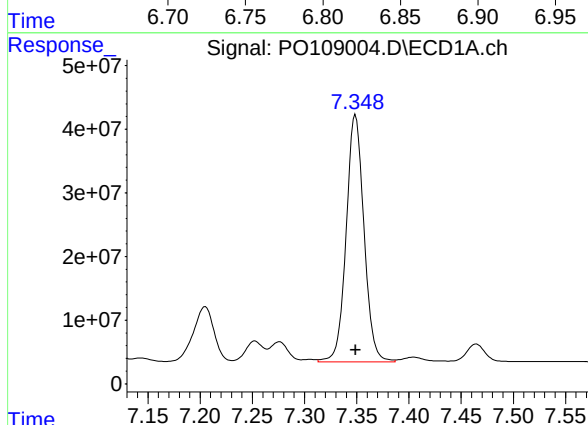
R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 267007548  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



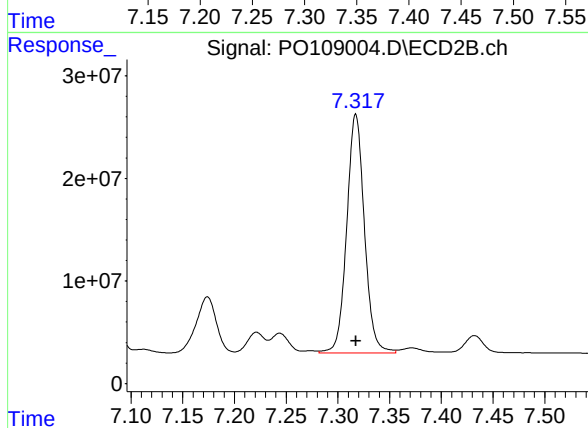
#36 AR-1262-1

R.T.: 6.818 min  
Delta R.T.: 0.000 min  
Response: 170179203  
Conc: 500.00 ng/ml



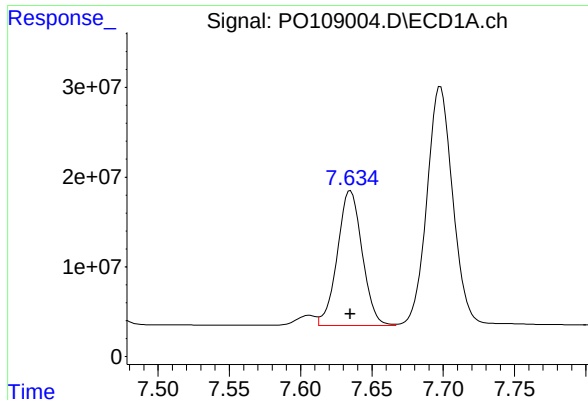
#37 AR-1262-2

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 459733095  
Conc: 500.00 ng/ml



#37 AR-1262-2

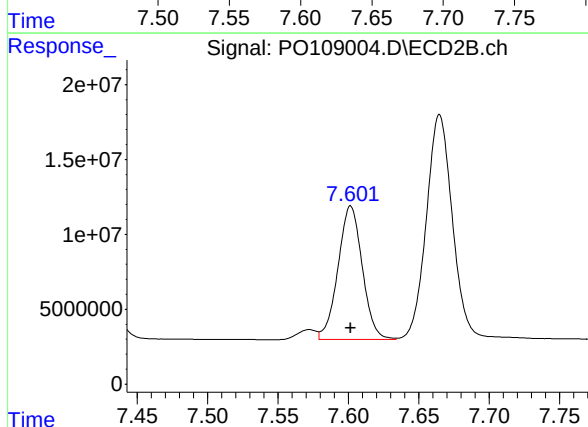
R.T.: 7.317 min  
Delta R.T.: 0.000 min  
Response: 277301857  
Conc: 500.00 ng/ml



#38 AR-1262-3

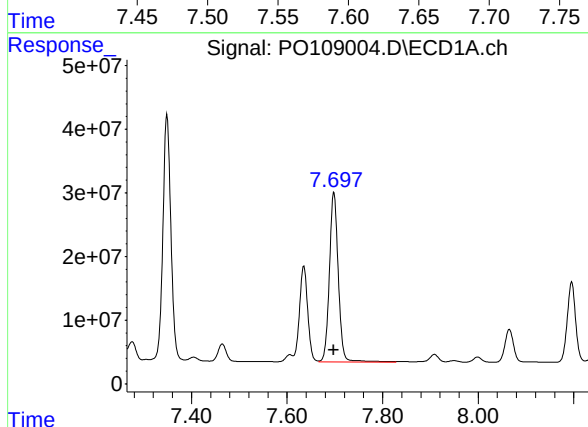
R.T.: 7.635 min  
Delta R.T.: 0.000 min  
Response: 182285530  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



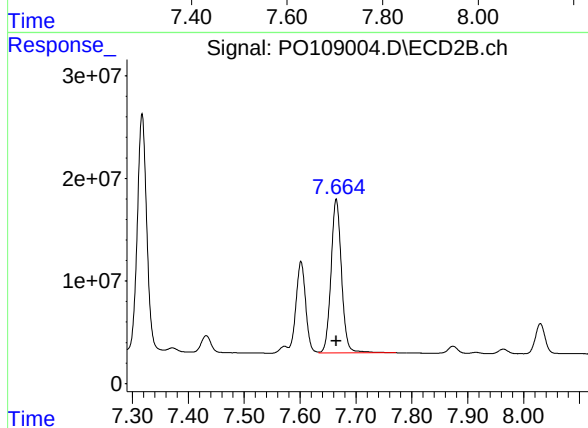
#38 AR-1262-3

R.T.: 7.602 min  
Delta R.T.: 0.000 min  
Response: 107220152  
Conc: 500.00 ng/ml



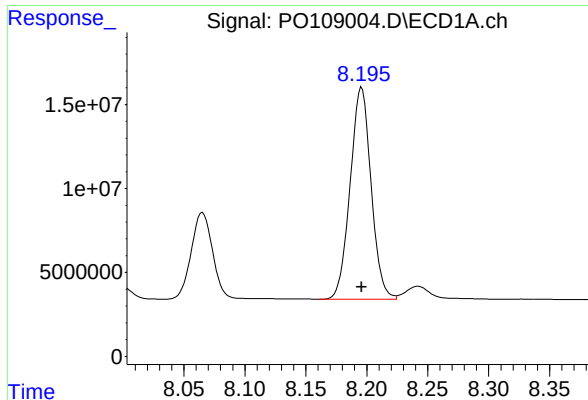
#39 AR-1262-4

R.T.: 7.698 min  
Delta R.T.: 0.000 min  
Response: 343813082  
Conc: 500.00 ng/ml



#39 AR-1262-4

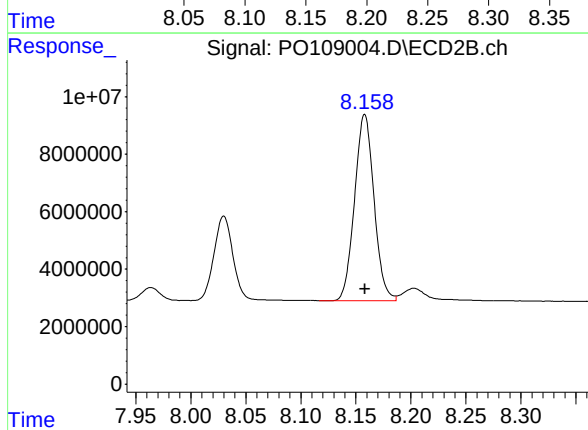
R.T.: 7.665 min  
Delta R.T.: 0.000 min  
Response: 195944202  
Conc: 500.00 ng/ml



#40 AR-1262-5

R.T.: 8.196 min  
Delta R.T.: 0.000 min  
Response: 151059349  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



#40 AR-1262-5

R.T.: 8.158 min  
Delta R.T.: 0.000 min  
Response: 79730723  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0109005.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Jan 2025 00:37  
 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: Jan 22 01:58:37 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 01:57:49 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 754.7E6  | 537.7E6  | 96.603  | 97.221  |
| 2) SA Decachlor...          | 8.759 | 8.710 | 1103.6E6 | 529.7E6  | 96.900  | 94.745  |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.634 | 7.601 | 1033.7E6 | 605.6E6  | 968.174 | 967.575 |
| 42) L9 AR-1268-2            | 7.699 | 7.665 | 952.1E6  | 555.8E6  | 971.953 | 972.951 |
| 43) L9 AR-1268-3            | 7.909 | 7.874 | 786.4E6  | 443.1E6  | 973.445 | 966.673 |
| 44) L9 AR-1268-4            | 8.196 | 8.158 | 327.4E6  | 171.8E6  | 958.930 | 945.660 |
| 45) L9 AR-1268-5            | 8.495 | 8.452 | 2419.3E6 | 1182.8E6 | 995.560 | 981.167 |
| -----                       |       |       |          |          |         |         |

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

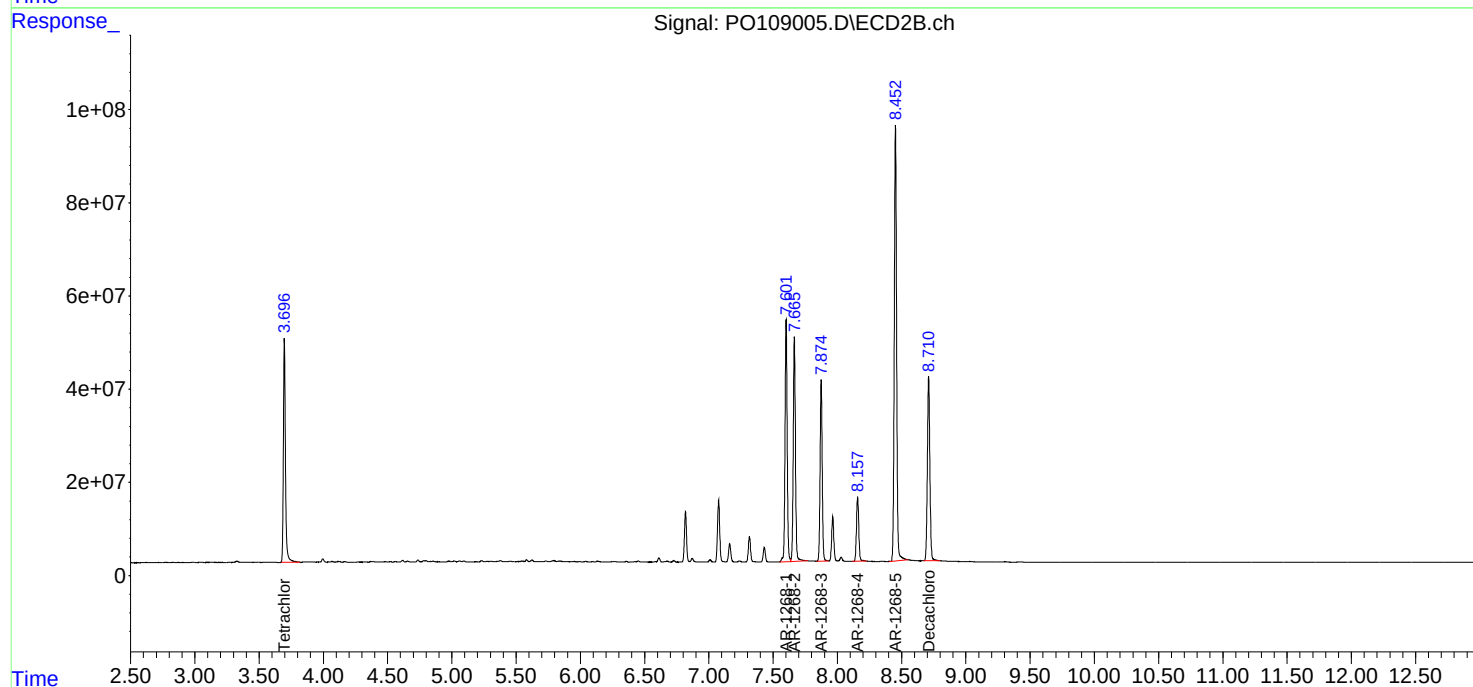
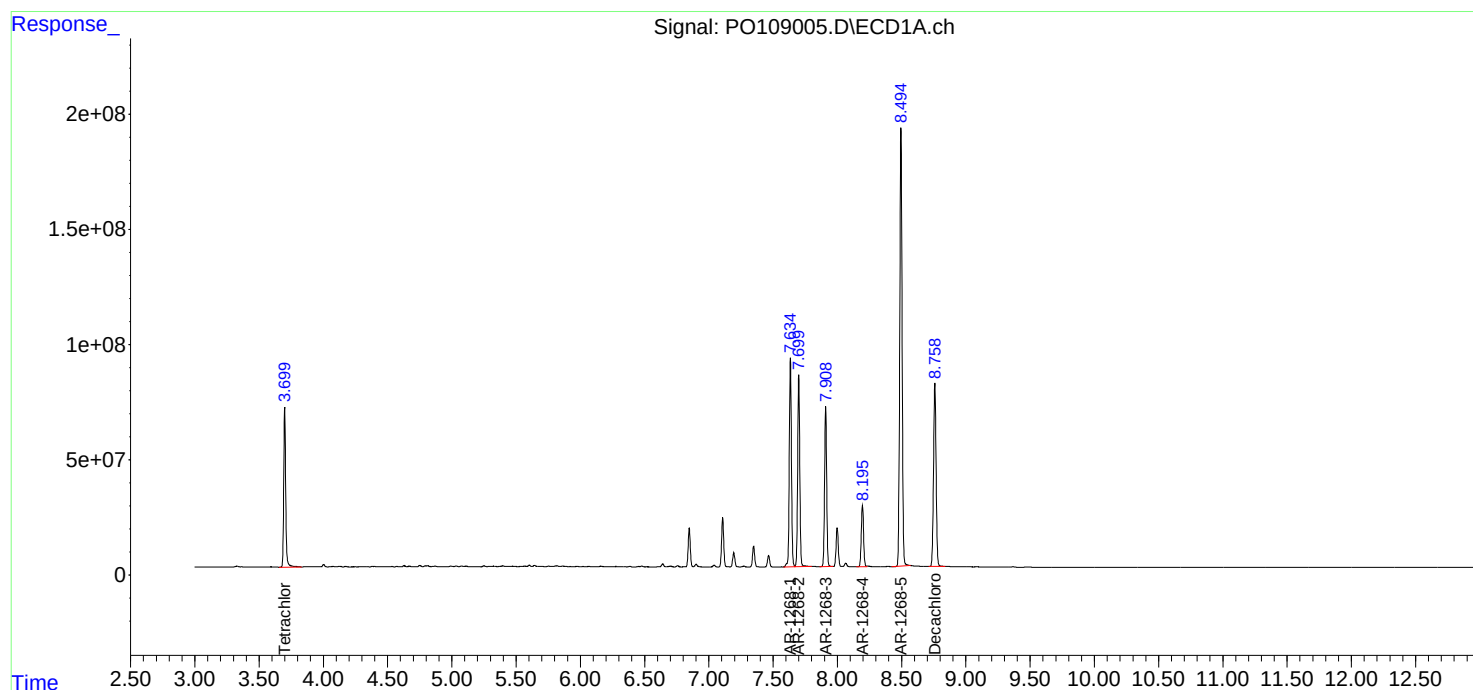


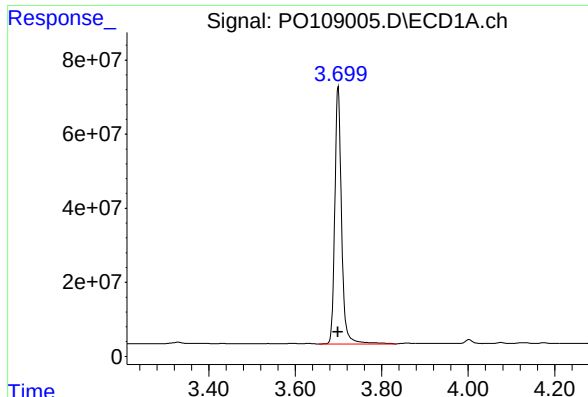
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109005.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:37  
Operator : YP/AJ  
Sample : AR1268ICC1000  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:58:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

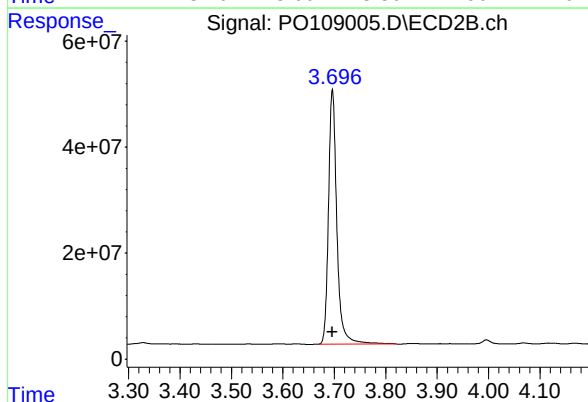




## #1 Tetrachloro-m-xylene

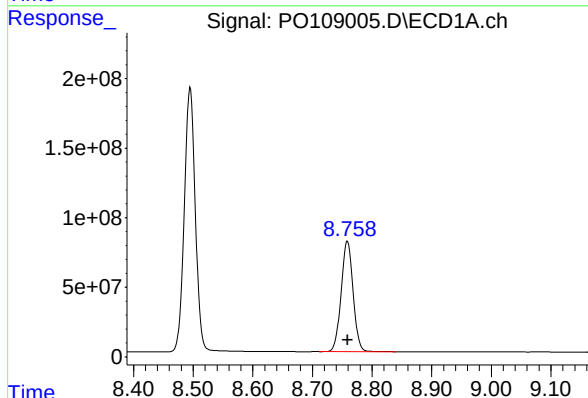
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 754663830  
Conc: 96.60 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000



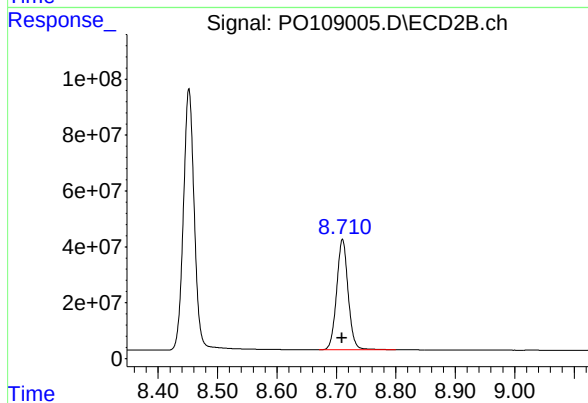
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 537744888  
Conc: 97.22 ng/ml



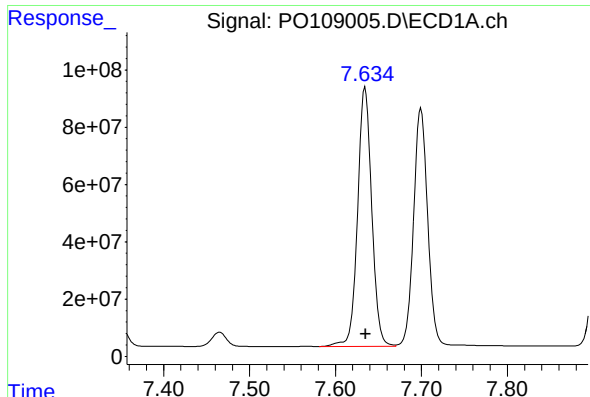
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 1103612807  
Conc: 96.90 ng/ml



## #2 Decachlorobiphenyl

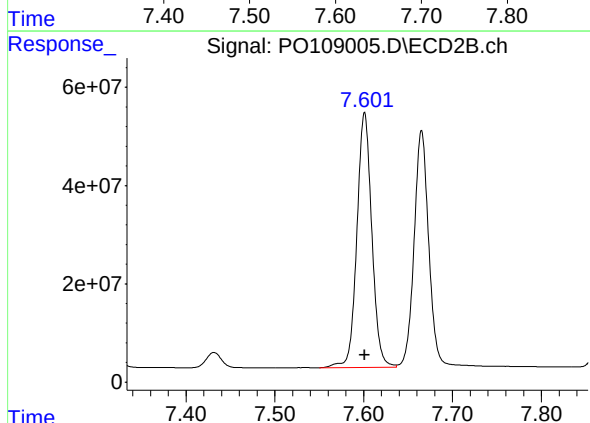
R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 529671616  
Conc: 94.75 ng/ml



#41 AR-1268-1

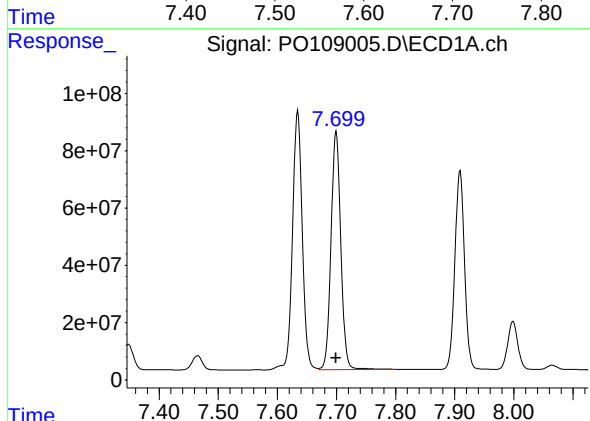
R.T.: 7.634 min  
Delta R.T.: 0.000 min  
Response: 1033690630  
Conc: 968.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000



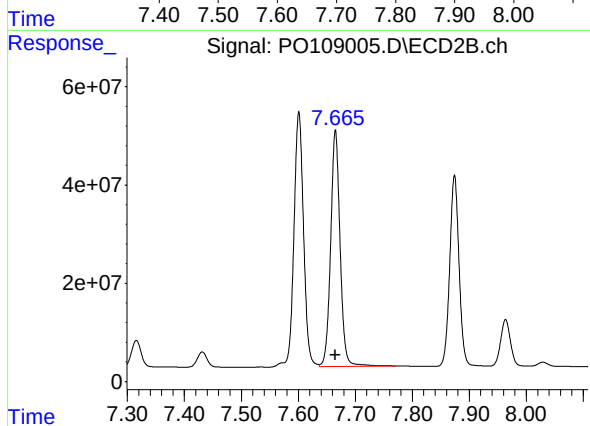
#41 AR-1268-1

R.T.: 7.601 min  
Delta R.T.: 0.000 min  
Response: 605633372  
Conc: 967.58 ng/ml



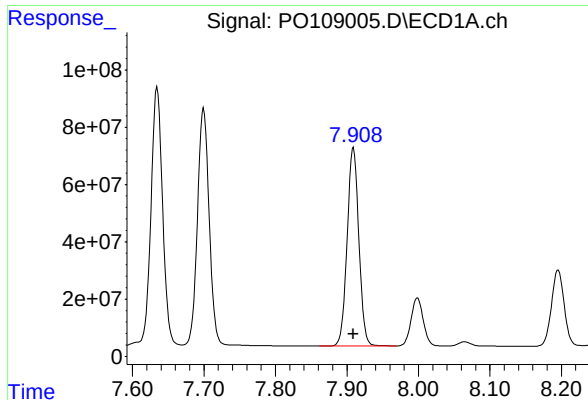
#42 AR-1268-2

R.T.: 7.699 min  
Delta R.T.: 0.000 min  
Response: 952087675  
Conc: 971.95 ng/ml



#42 AR-1268-2

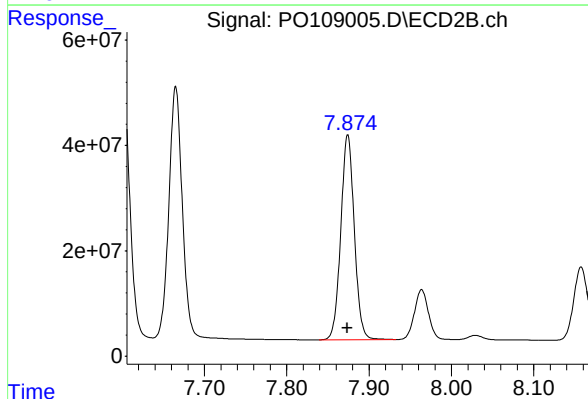
R.T.: 7.665 min  
Delta R.T.: 0.000 min  
Response: 555793036  
Conc: 972.95 ng/ml



#43 AR-1268-3

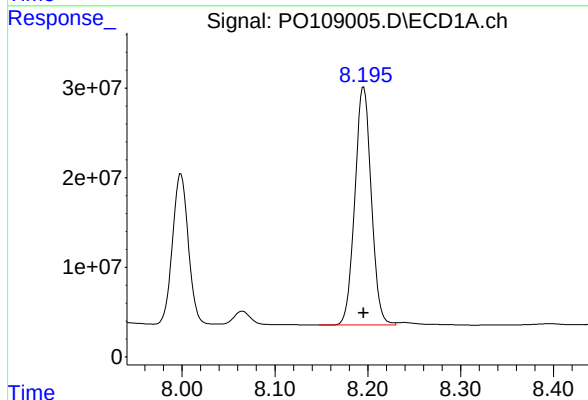
R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 786406202  
Conc: 973.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000



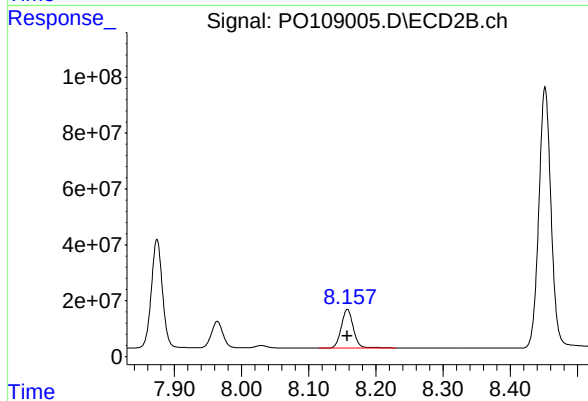
#43 AR-1268-3

R.T.: 7.874 min  
Delta R.T.: 0.000 min  
Response: 443116844  
Conc: 966.67 ng/ml



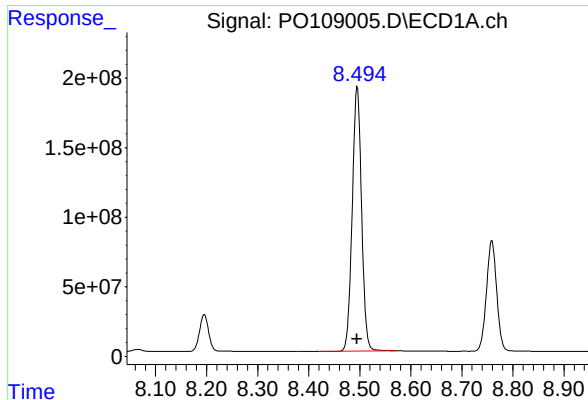
#44 AR-1268-4

R.T.: 8.196 min  
Delta R.T.: 0.000 min  
Response: 327369336  
Conc: 958.93 ng/ml



#44 AR-1268-4

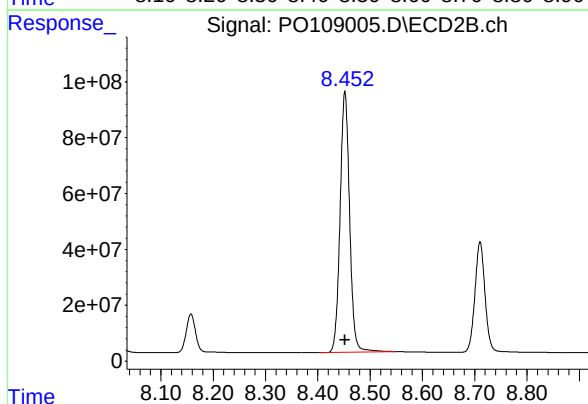
R.T.: 8.158 min  
Delta R.T.: 0.000 min  
Response: 171795401  
Conc: 945.66 ng/ml



#45 AR-1268-5

R.T.: 8.495 min  
Delta R.T.: 0.000 min  
Response: 2419252053  
Conc: 995.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000



#45 AR-1268-5

R.T.: 8.452 min  
Delta R.T.: 0.000 min  
Response: 1182764439  
Conc: 981.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:55  
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: Jan 22 01:58:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 570.3E6  | 406.4E6 | 73.003  | 73.476  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 827.0E6  | 406.9E6 | 72.609  | 72.782  |
| Target Compounds            |       |       |          |         |         |         |
| 41) L9 AR-1268-1            | 7.636 | 7.602 | 777.7E6  | 460.2E6 | 728.415 | 735.245 |
| 42) L9 AR-1268-2            | 7.700 | 7.666 | 713.4E6  | 420.3E6 | 728.251 | 735.707 |
| 43) L9 AR-1268-3            | 7.909 | 7.874 | 588.7E6  | 336.4E6 | 728.715 | 733.882 |
| 44) L9 AR-1268-4            | 8.196 | 8.158 | 246.3E6  | 131.7E6 | 721.452 | 725.120 |
| 45) L9 AR-1268-5            | 8.496 | 8.452 | 1789.1E6 | 893.6E6 | 736.230 | 741.310 |
| -----                       |       |       |          |         |         |         |

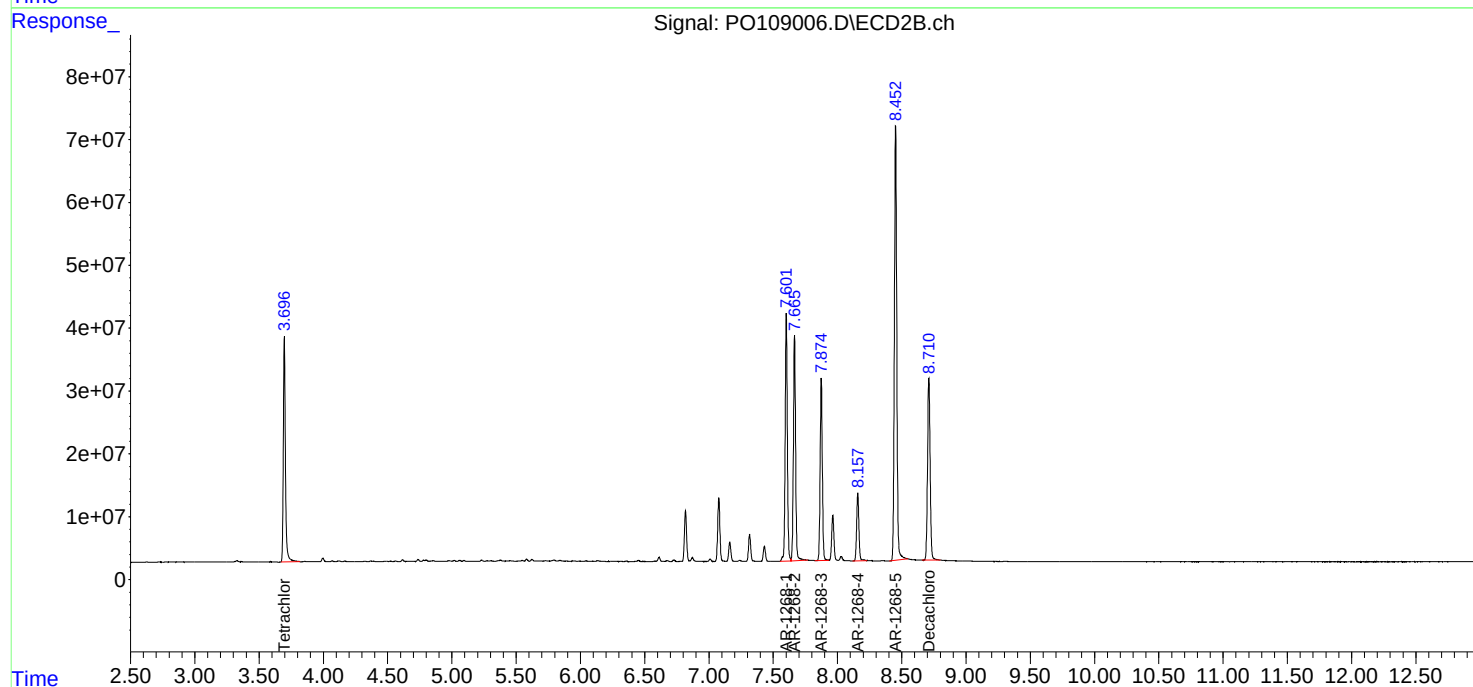
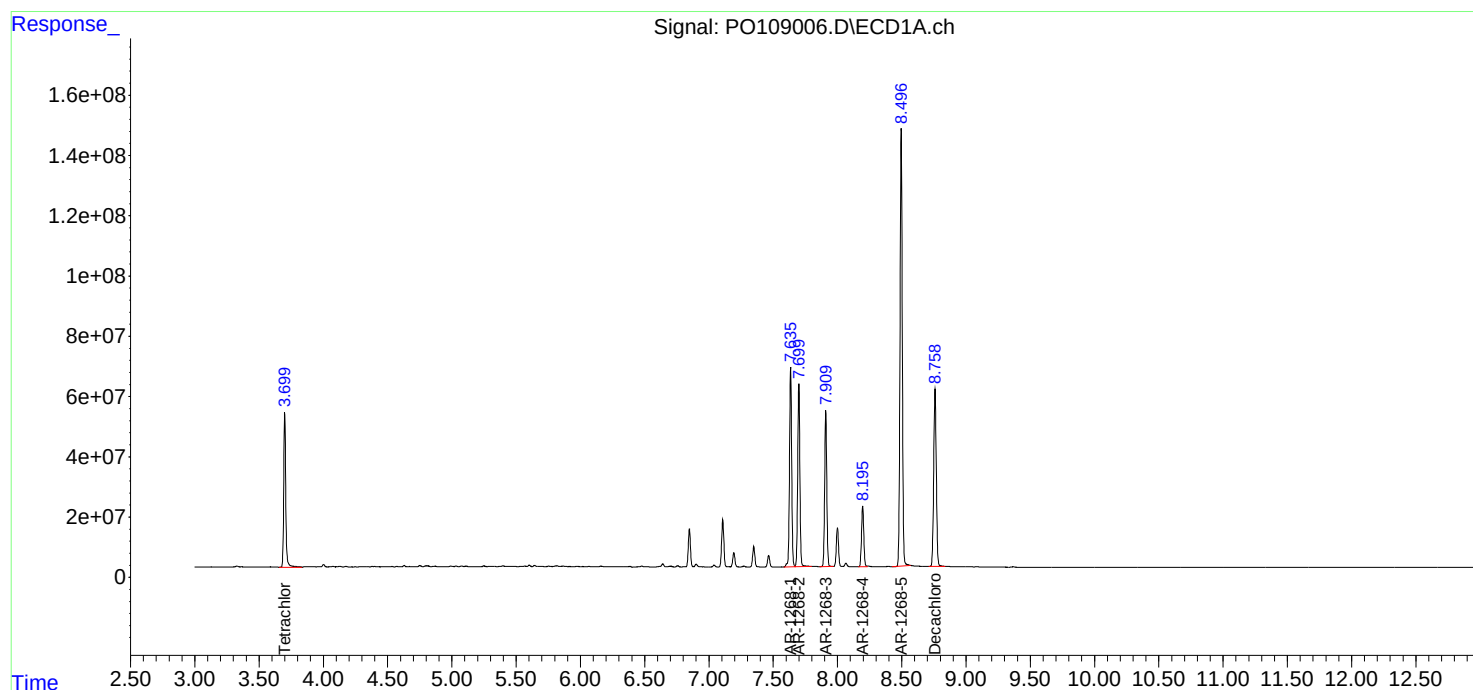
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

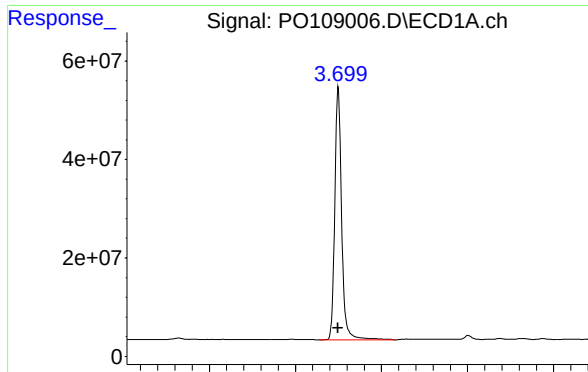
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109006.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 00:55  
Operator : YP/AJ  
Sample : AR1268ICC750  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:58:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

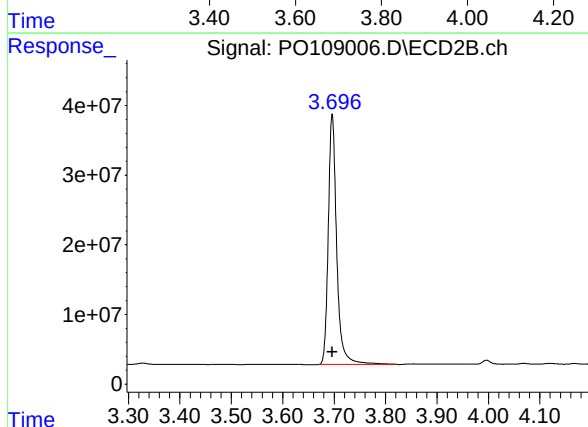




## #1 Tetrachloro-m-xylene

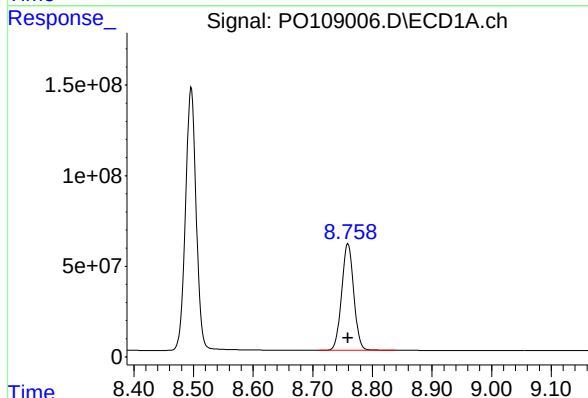
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 570306026  
Conc: 73.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750



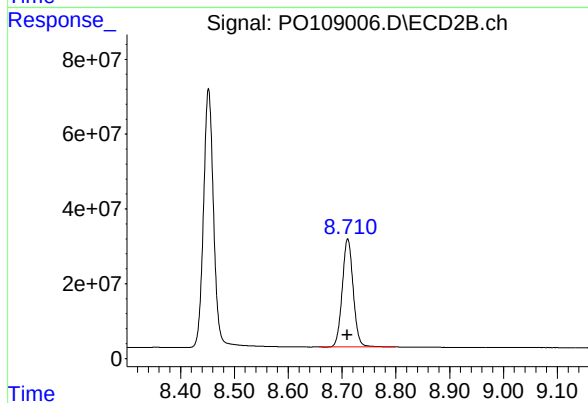
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 406403773  
Conc: 73.48 ng/ml



## #2 Decachlorobiphenyl

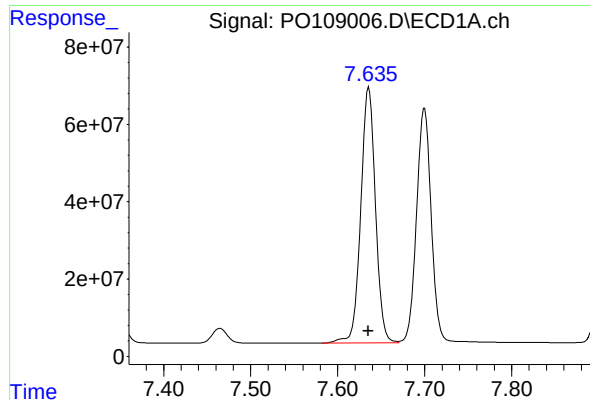
R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 826962199  
Conc: 72.61 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 406888302  
Conc: 72.78 ng/ml

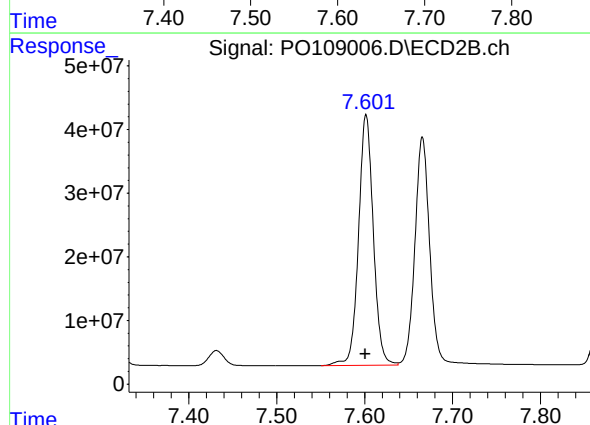




#41 AR-1268-1

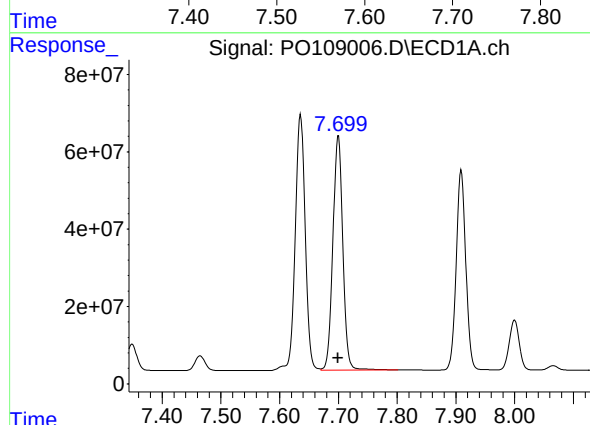
R.T.: 7.636 min  
Delta R.T.: 0.000 min  
Response: 777706848  
Conc: 728.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750



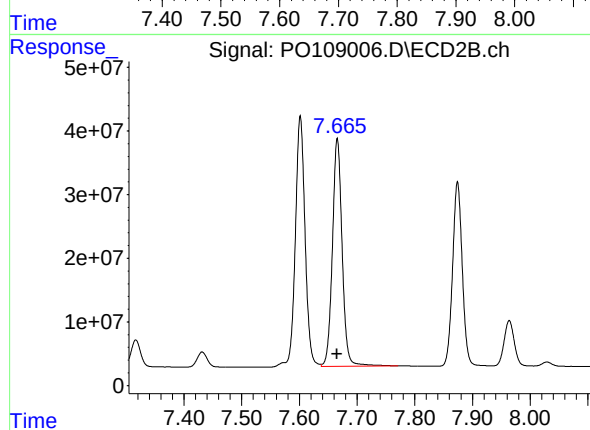
#41 AR-1268-1

R.T.: 7.602 min  
Delta R.T.: 0.000 min  
Response: 460211185  
Conc: 735.24 ng/ml



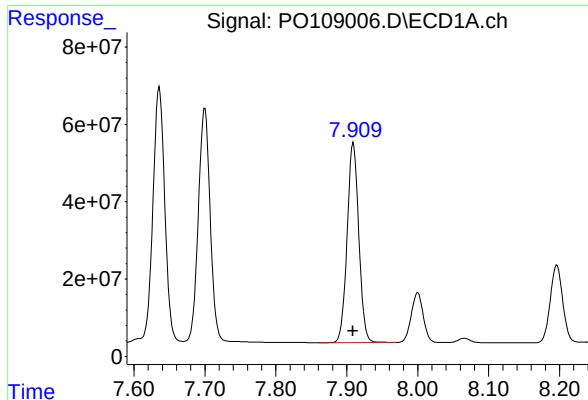
#42 AR-1268-2

R.T.: 7.700 min  
Delta R.T.: 0.000 min  
Response: 713366367  
Conc: 728.25 ng/ml



#42 AR-1268-2

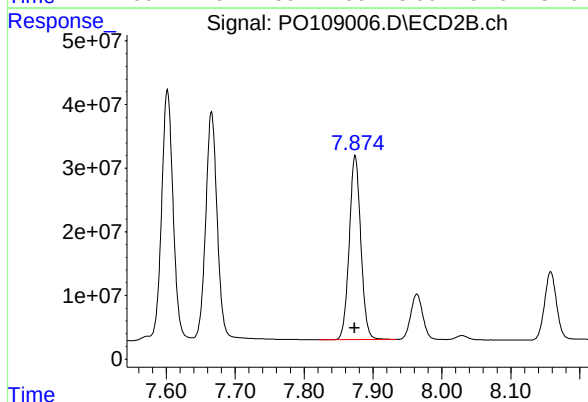
R.T.: 7.666 min  
Delta R.T.: 0.000 min  
Response: 420268499  
Conc: 735.71 ng/ml



#43 AR-1268-3

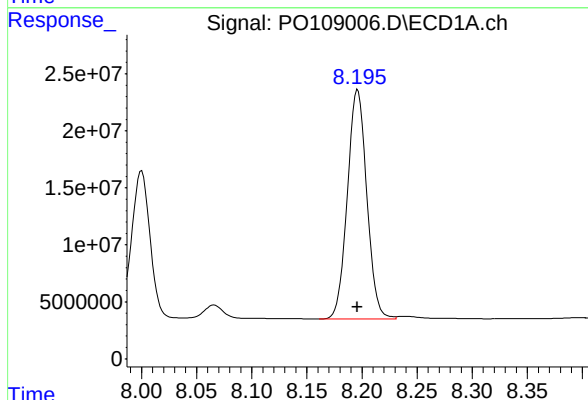
R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 588699199  
Conc: 728.72 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750



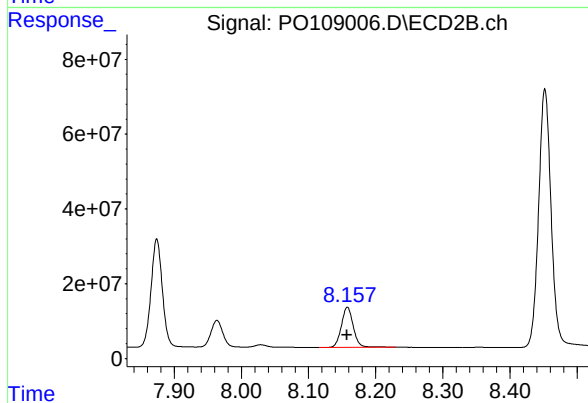
#43 AR-1268-3

R.T.: 7.874 min  
Delta R.T.: 0.000 min  
Response: 336407088  
Conc: 733.88 ng/ml



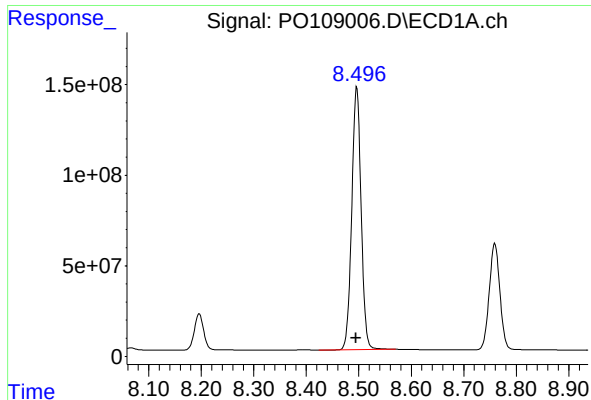
#44 AR-1268-4

R.T.: 8.196 min  
Delta R.T.: 0.000 min  
Response: 246296884  
Conc: 721.45 ng/ml



#44 AR-1268-4

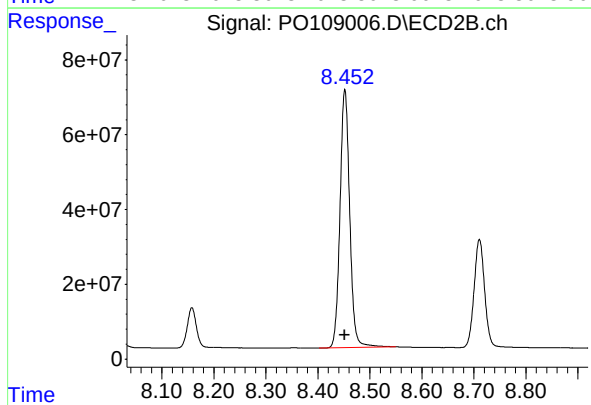
R.T.: 8.158 min  
Delta R.T.: 0.000 min  
Response: 131730440  
Conc: 725.12 ng/ml



#45 AR-1268-5

R.T.: 8.496 min  
Delta R.T.: 0.002 min  
Response: 1789068997  
Conc: 736.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750



#45 AR-1268-5

R.T.: 8.452 min  
Delta R.T.: 0.000 min  
Response: 893624676  
Conc: 741.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109007.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:13  
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: Jan 22 01:59:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 390.6E6  | 276.6E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.759 | 8.710 | 569.5E6  | 279.5E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.635 | 7.601 | 533.8E6  | 313.0E6  | 500.000 | 500.000 |
| 42) L9 AR-1268-2            | 7.699 | 7.665 | 489.8E6  | 285.6E6  | 500.000 | 500.000 |
| 43) L9 AR-1268-3            | 7.909 | 7.873 | 403.9E6  | 229.2E6  | 500.000 | 500.000 |
| 44) L9 AR-1268-4            | 8.196 | 8.157 | 170.7E6  | 90833585 | 500.000 | 500.000 |
| 45) L9 AR-1268-5            | 8.495 | 8.452 | 1215.0E6 | 602.7E6  | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

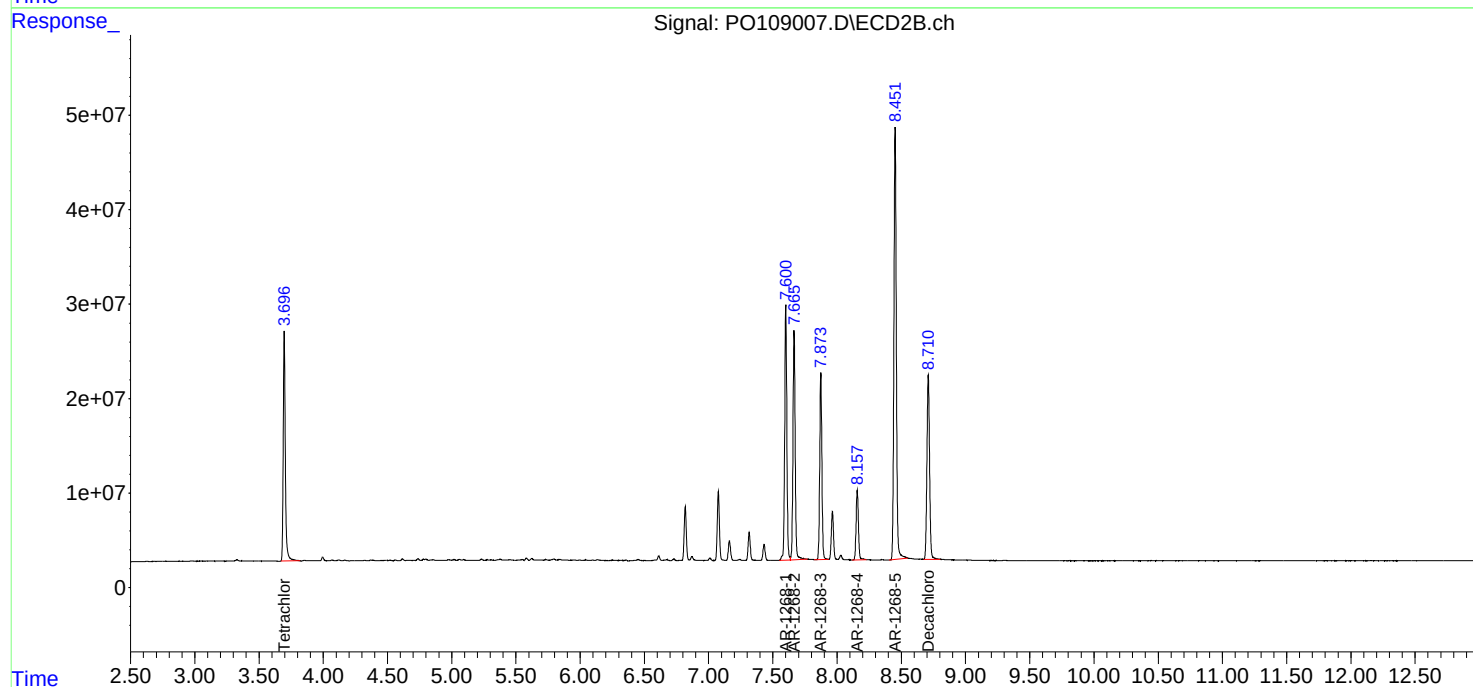
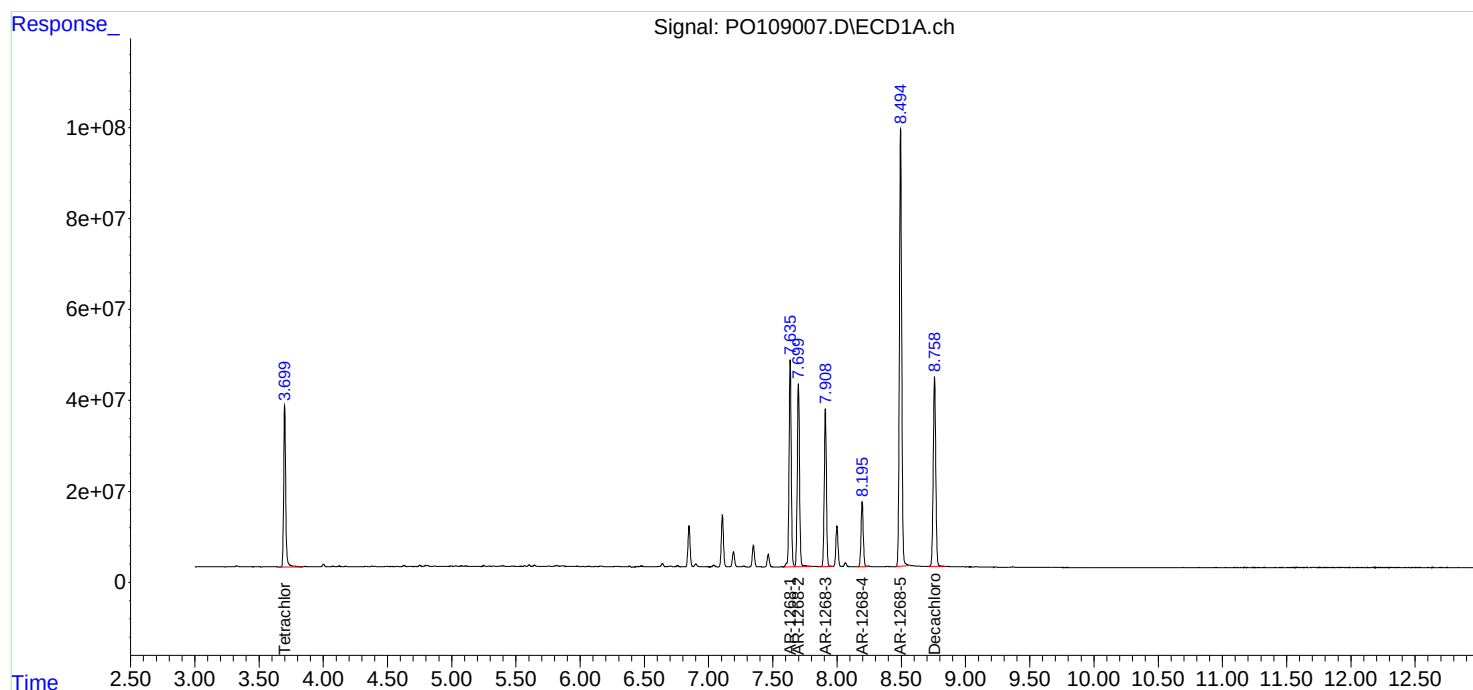
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

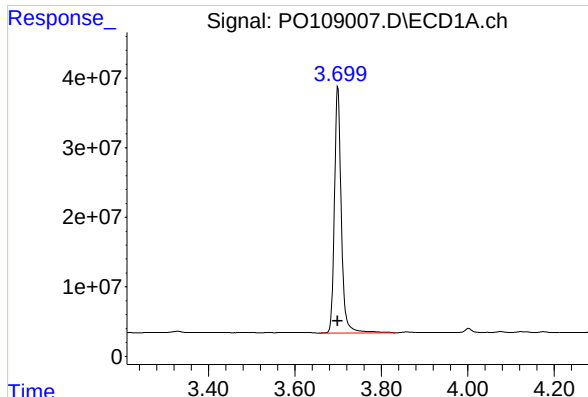
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109007.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:13  
Operator : YP/AJ  
Sample : AR1268ICC500  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:59:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

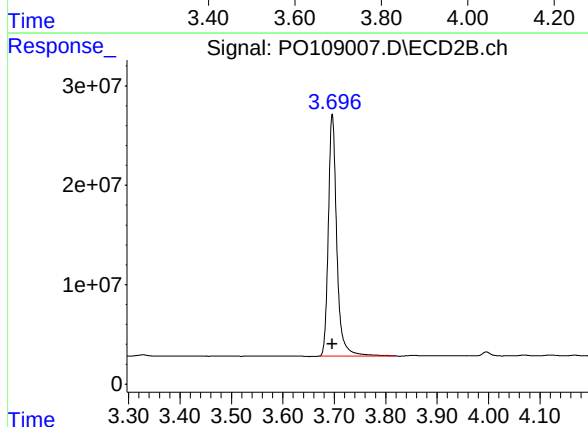




## #1 Tetrachloro-m-xylene

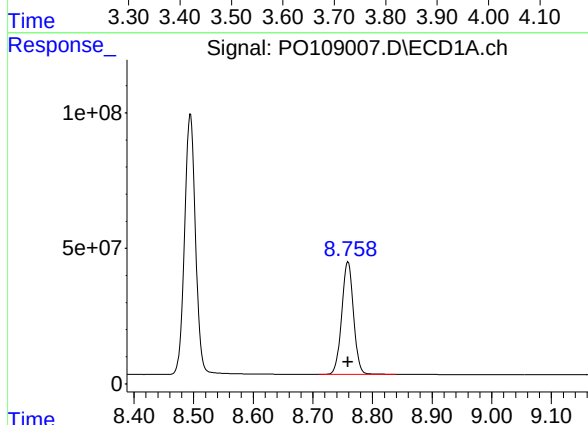
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 390602047  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500



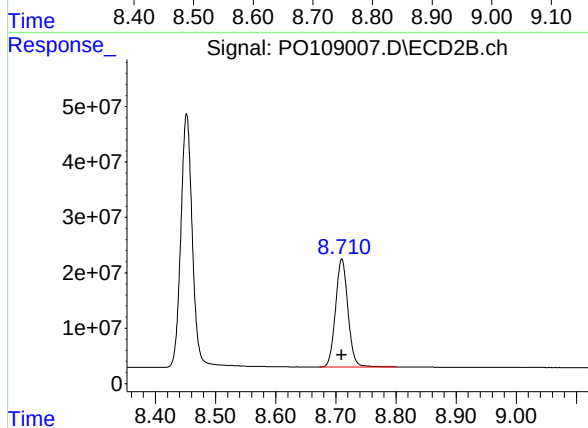
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 276556740  
Conc: 50.00 ng/ml



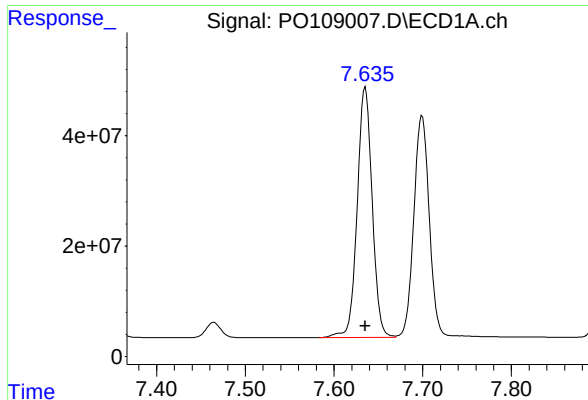
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 569459625  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

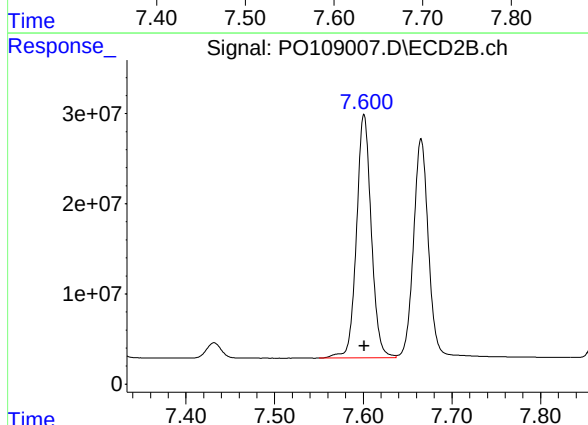
R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 279523577  
Conc: 50.00 ng/ml



#41 AR-1268-1

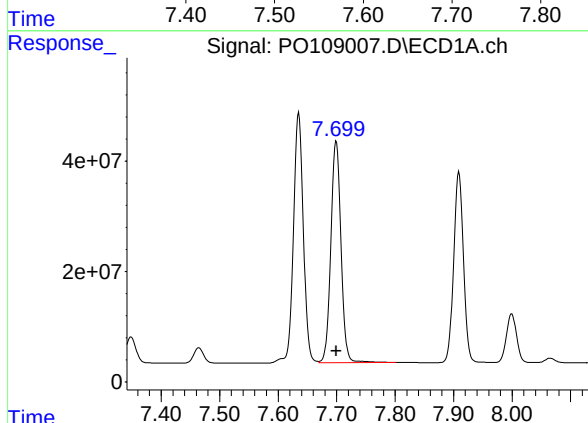
R.T.: 7.635 min  
Delta R.T.: 0.000 min  
Response: 533835301  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500



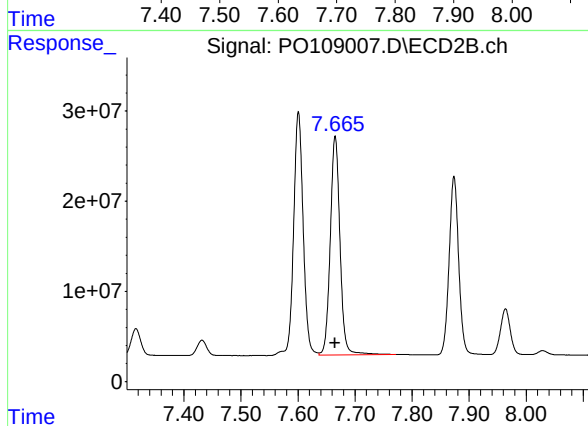
#41 AR-1268-1

R.T.: 7.601 min  
Delta R.T.: 0.000 min  
Response: 312964526  
Conc: 500.00 ng/ml



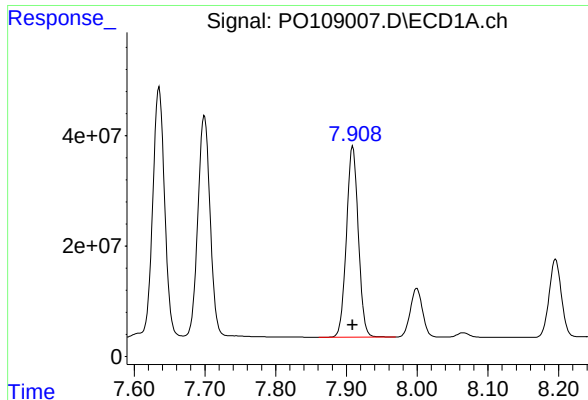
#42 AR-1268-2

R.T.: 7.699 min  
Delta R.T.: 0.000 min  
Response: 489780510  
Conc: 500.00 ng/ml



#42 AR-1268-2

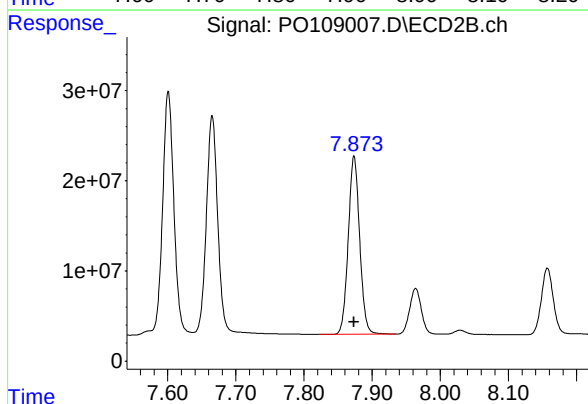
R.T.: 7.665 min  
Delta R.T.: 0.000 min  
Response: 285622282  
Conc: 500.00 ng/ml



#43 AR-1268-3

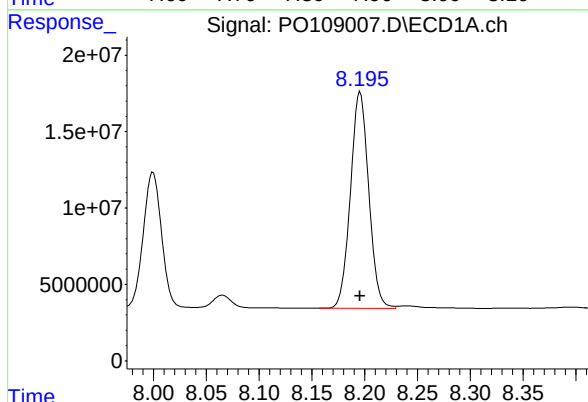
R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 403929649  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500



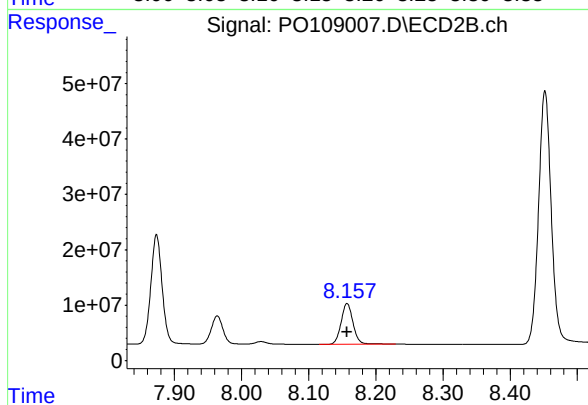
#43 AR-1268-3

R.T.: 7.873 min  
Delta R.T.: 0.000 min  
Response: 229196867  
Conc: 500.00 ng/ml



#44 AR-1268-4

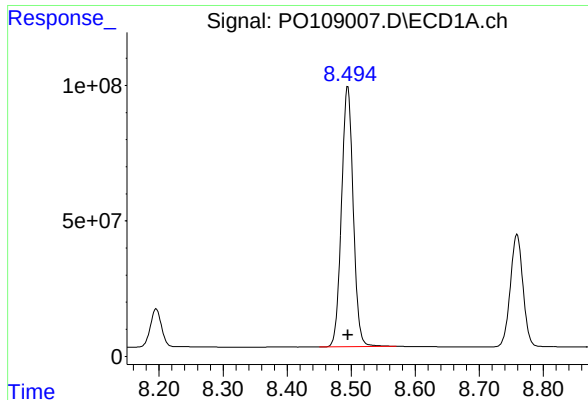
R.T.: 8.196 min  
Delta R.T.: 0.000 min  
Response: 170695191  
Conc: 500.00 ng/ml



#44 AR-1268-4

R.T.: 8.157 min  
Delta R.T.: 0.000 min  
Response: 90833585  
Conc: 500.00 ng/ml

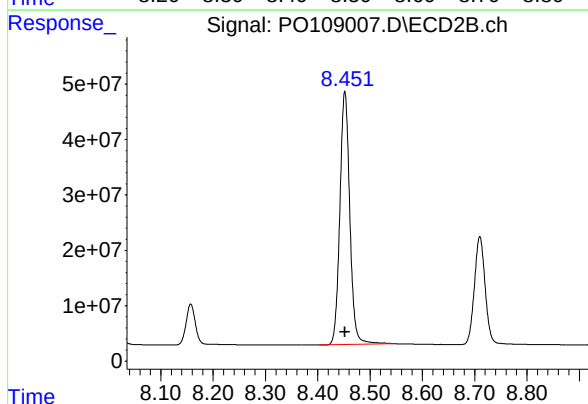




#45 AR-1268-5

R.T.: 8.495 min  
Delta R.T.: 0.000 min  
Response: 1215021087  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500



#45 AR-1268-5

R.T.: 8.452 min  
Delta R.T.: 0.000 min  
Response: 602733469  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109008.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:31  
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: Jan 22 01:59:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 196.1E6  | 139.1E6  | 25.102  | 25.152  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 291.6E6  | 145.1E6  | 25.605  | 25.948  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.635 | 7.602 | 270.1E6  | 161.1E6  | 252.951 | 257.312 |
| 42) L9 AR-1268-2            | 7.700 | 7.666 | 244.8E6  | 146.8E6  | 249.956 | 256.909 |
| 43) L9 AR-1268-3            | 7.909 | 7.875 | 203.6E6  | 117.9E6  | 251.991 | 257.189 |
| 44) L9 AR-1268-4            | 8.195 | 8.158 | 87924765 | 47132080 | 257.549 | 259.442 |
| 45) L9 AR-1268-5            | 8.496 | 8.453 | 599.7E6  | 303.6E6  | 246.790 | 251.844 |
| -----                       |       |       |          |          |         |         |

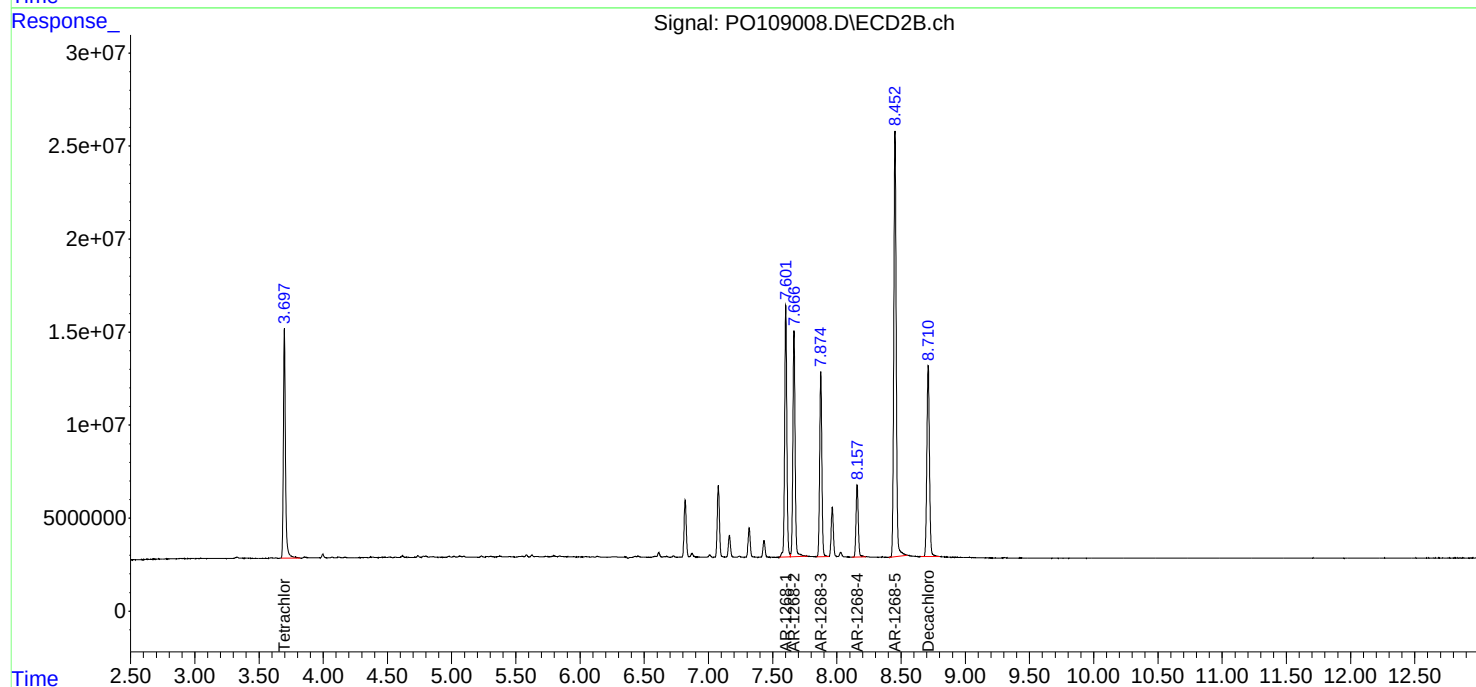
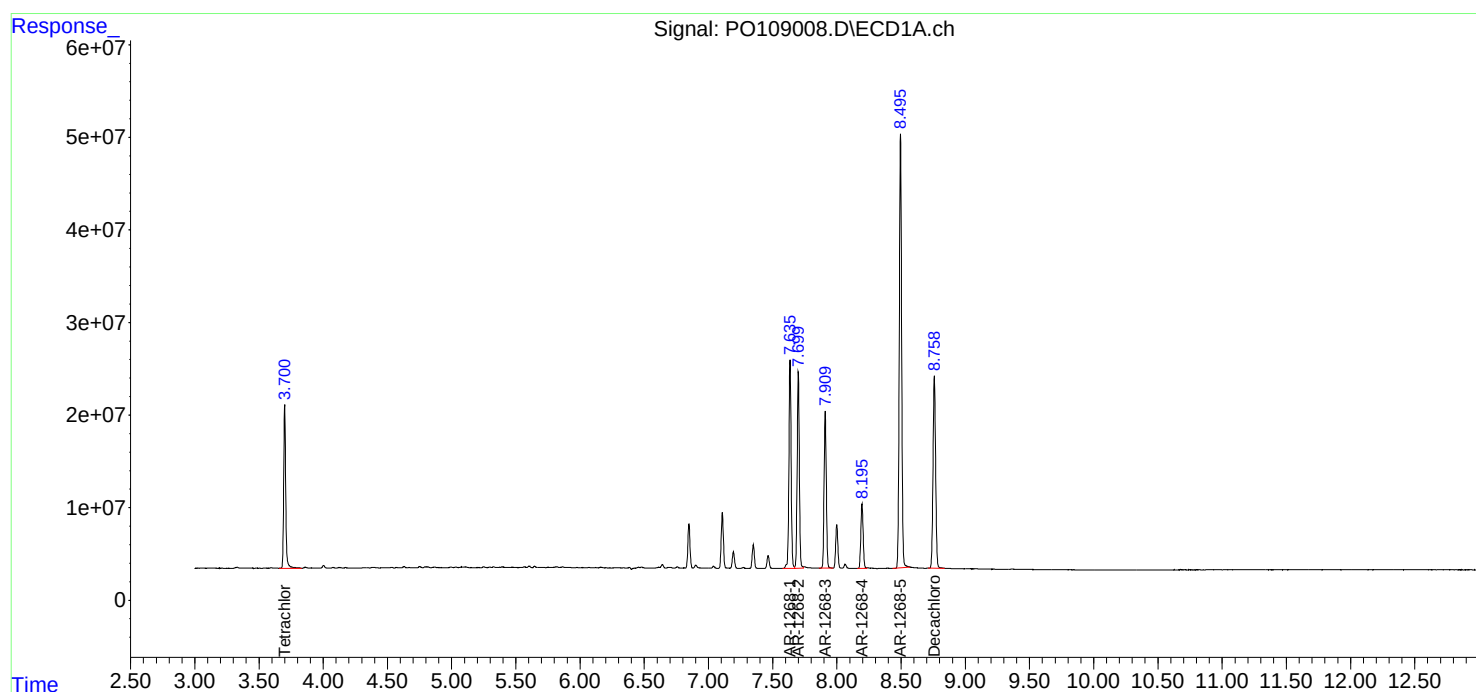
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

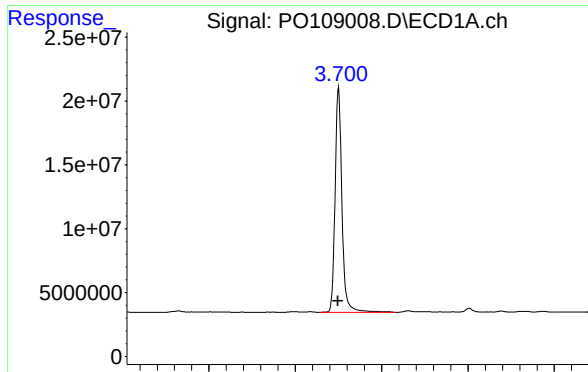
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109008.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:31  
Operator : YP/AJ  
Sample : AR1268ICC250  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 01:59:12 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

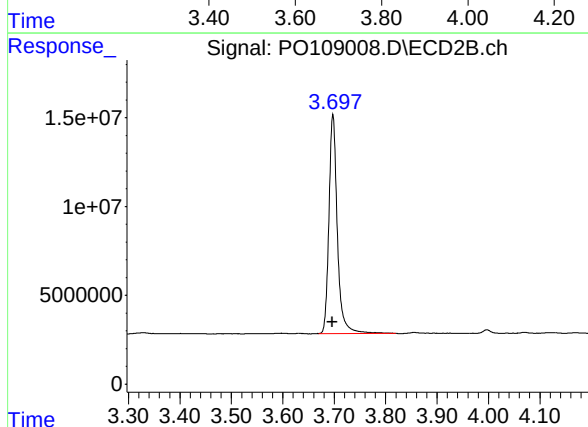




## #1 Tetrachloro-m-xylene

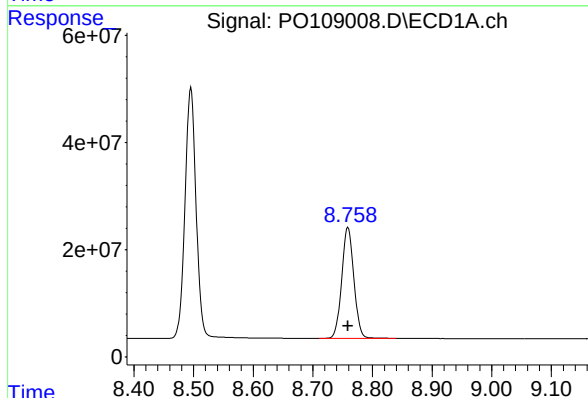
R.T.: 3.700 min  
Delta R.T.: 0.001 min  
Response: 196100442  
Conc: 25.10 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



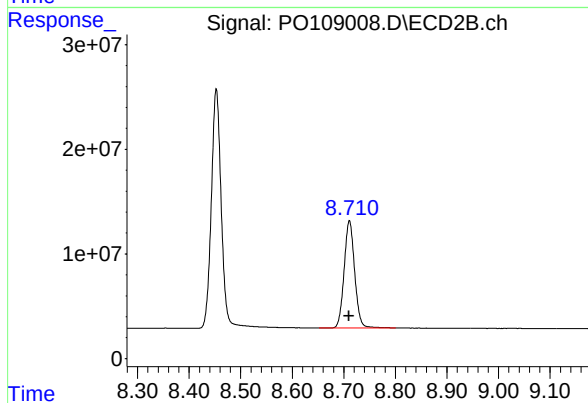
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.001 min  
Response: 139119302  
Conc: 25.15 ng/ml



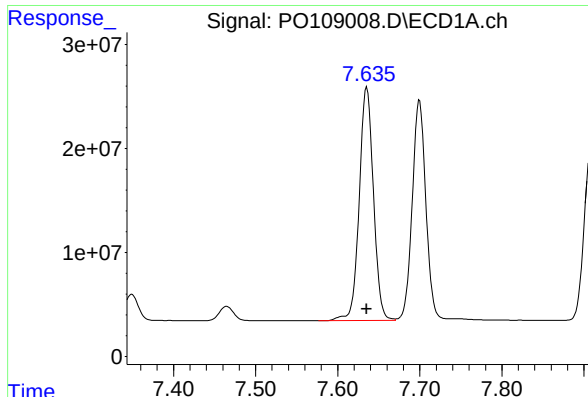
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 291624583  
Conc: 25.61 ng/ml



## #2 Decachlorobiphenyl

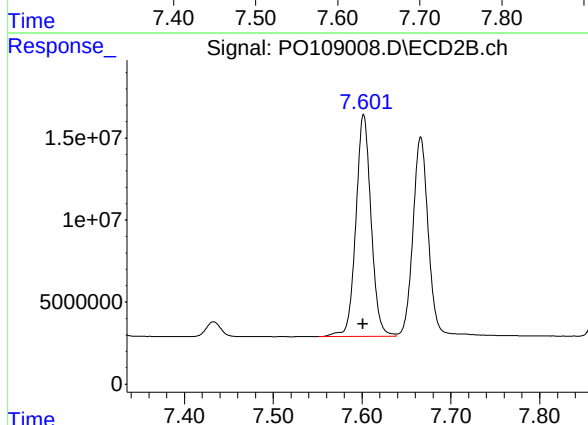
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 145063820  
Conc: 25.95 ng/ml



#41 AR-1268-1

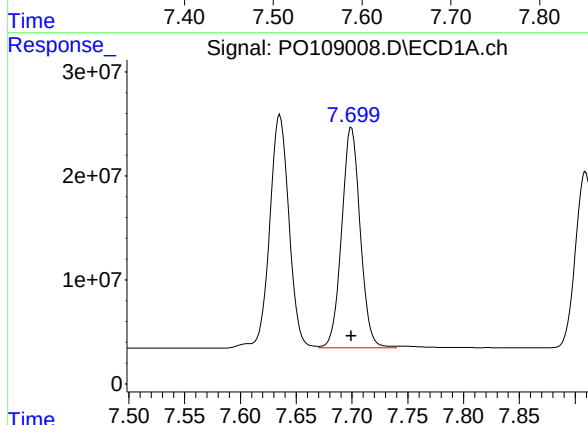
R.T.: 7.635 min  
Delta R.T.: 0.000 min  
Response: 270068427  
Conc: 252.95 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



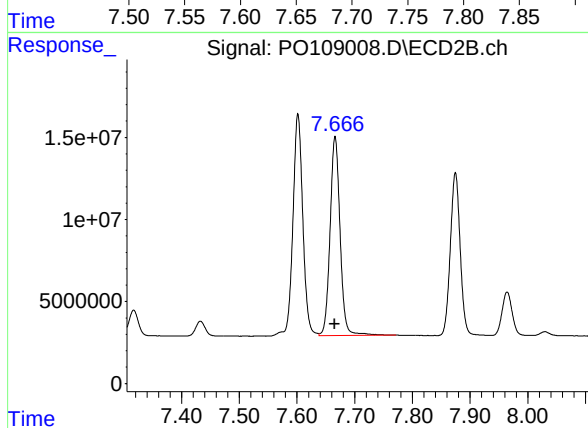
#41 AR-1268-1

R.T.: 7.602 min  
Delta R.T.: 0.000 min  
Response: 161059255  
Conc: 257.31 ng/ml



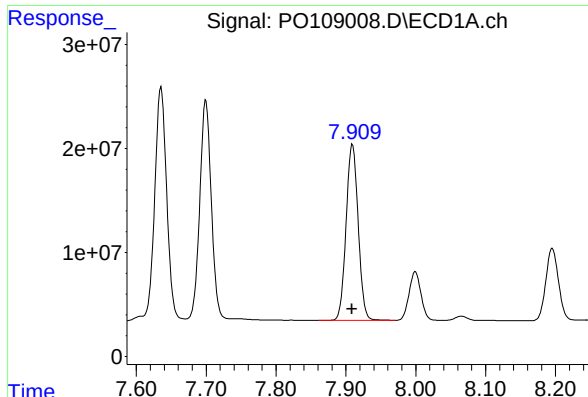
#42 AR-1268-2

R.T.: 7.700 min  
Delta R.T.: 0.000 min  
Response: 244847011  
Conc: 249.96 ng/ml



#42 AR-1268-2

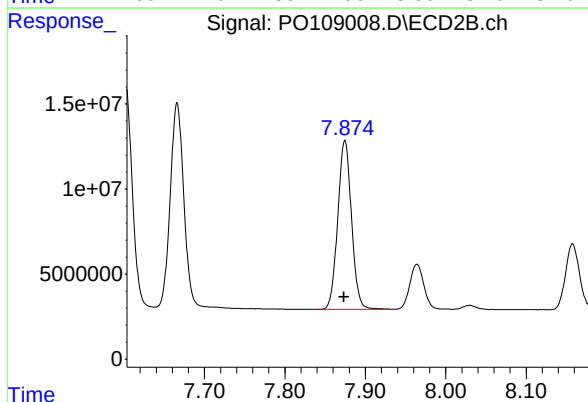
R.T.: 7.666 min  
Delta R.T.: 0.000 min  
Response: 146758137  
Conc: 256.91 ng/ml



#43 AR-1268-3

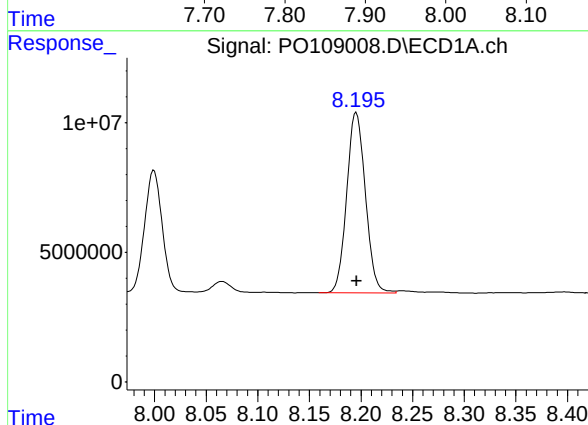
R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 203573099  
Conc: 251.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



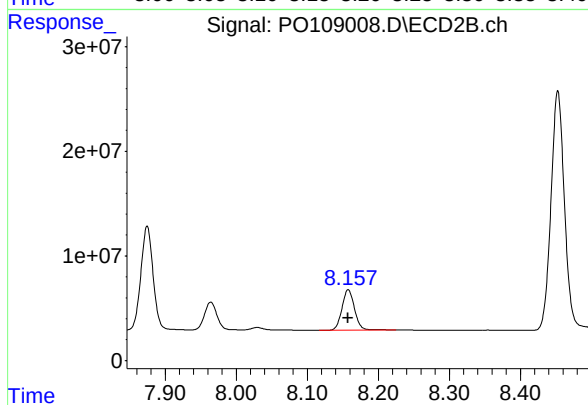
#43 AR-1268-3

R.T.: 7.875 min  
Delta R.T.: 0.001 min  
Response: 117894031  
Conc: 257.19 ng/ml



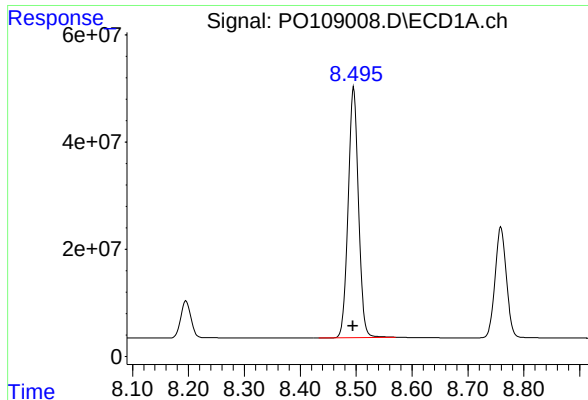
#44 AR-1268-4

R.T.: 8.195 min  
Delta R.T.: 0.000 min  
Response: 87924765  
Conc: 257.55 ng/ml



#44 AR-1268-4

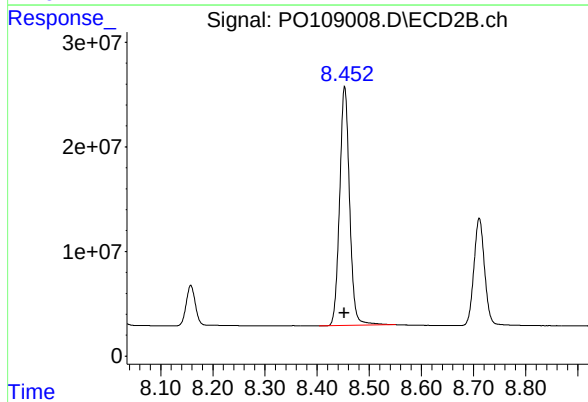
R.T.: 8.158 min  
Delta R.T.: 0.000 min  
Response: 47132080  
Conc: 259.44 ng/ml



#45 AR-1268-5

R.T.: 8.496 min  
Delta R.T.: 0.000 min  
Response: 599711286  
Conc: 246.79 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



#45 AR-1268-5

R.T.: 8.453 min  
Delta R.T.: 0.000 min  
Response: 303589945  
Conc: 251.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109009.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:50  
Operator : YP/AJ  
Sample : AR1268ICC050  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 02:10:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 37547407 | 26173933 | 4.875  | 4.782  |
| 2) SA Decachlor...          | 8.758 | 8.710 | 60677969 | 29985616 | 5.380  | 5.424  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 41) L9 AR-1268-1            | 7.635 | 7.601 | 55249101 | 32904722 | 52.386 | 52.871 |
| 42) L9 AR-1268-2            | 7.699 | 7.664 | 49168103 | 29059925 | 50.922 | 51.107 |
| 43) L9 AR-1268-3            | 7.909 | 7.873 | 41716645 | 24061606 | 52.252 | 52.835 |
| 44) L9 AR-1268-4            | 8.195 | 8.157 | 18199708 | 9246442  | 53.971 | 51.539 |
| 45) L9 AR-1268-5            | 8.495 | 8.451 | 116.2E6  | 59459506 | 48.235 | 49.611 |
| -----                       |       |       |          |          |        |        |

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

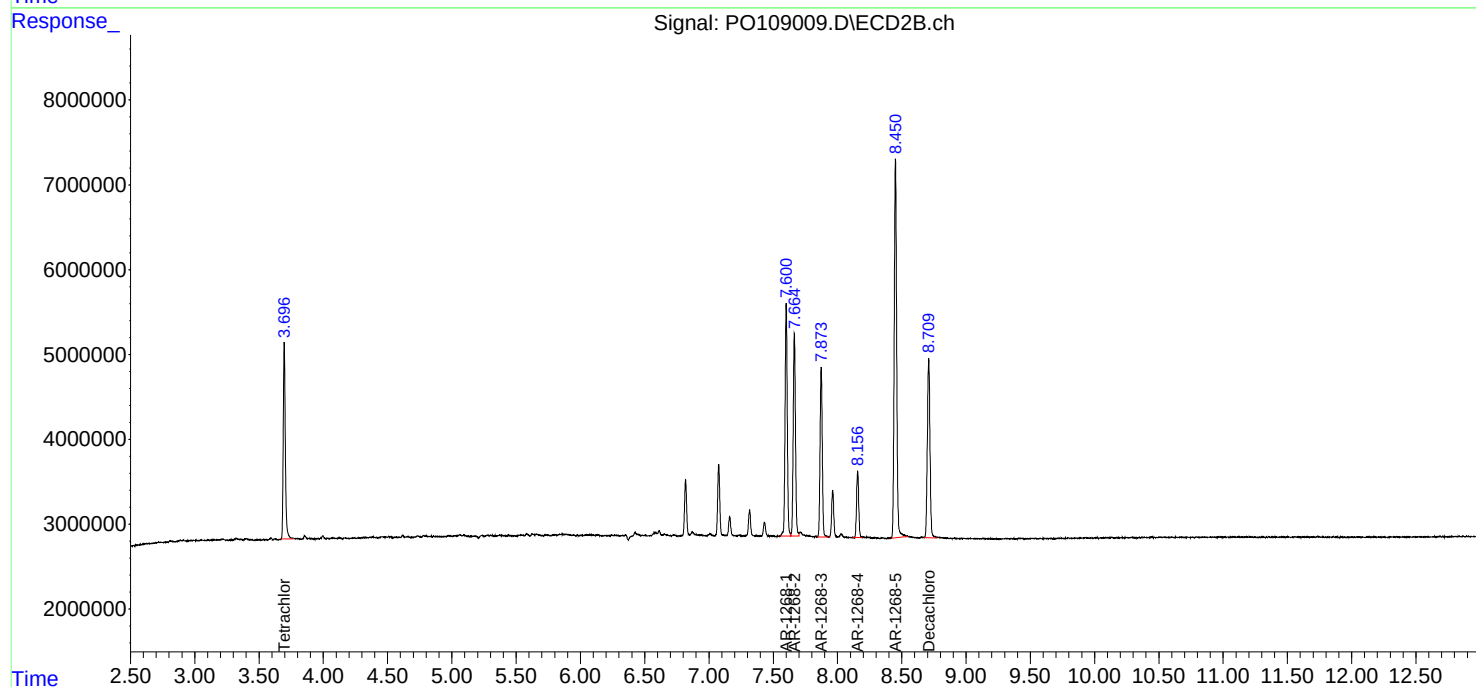
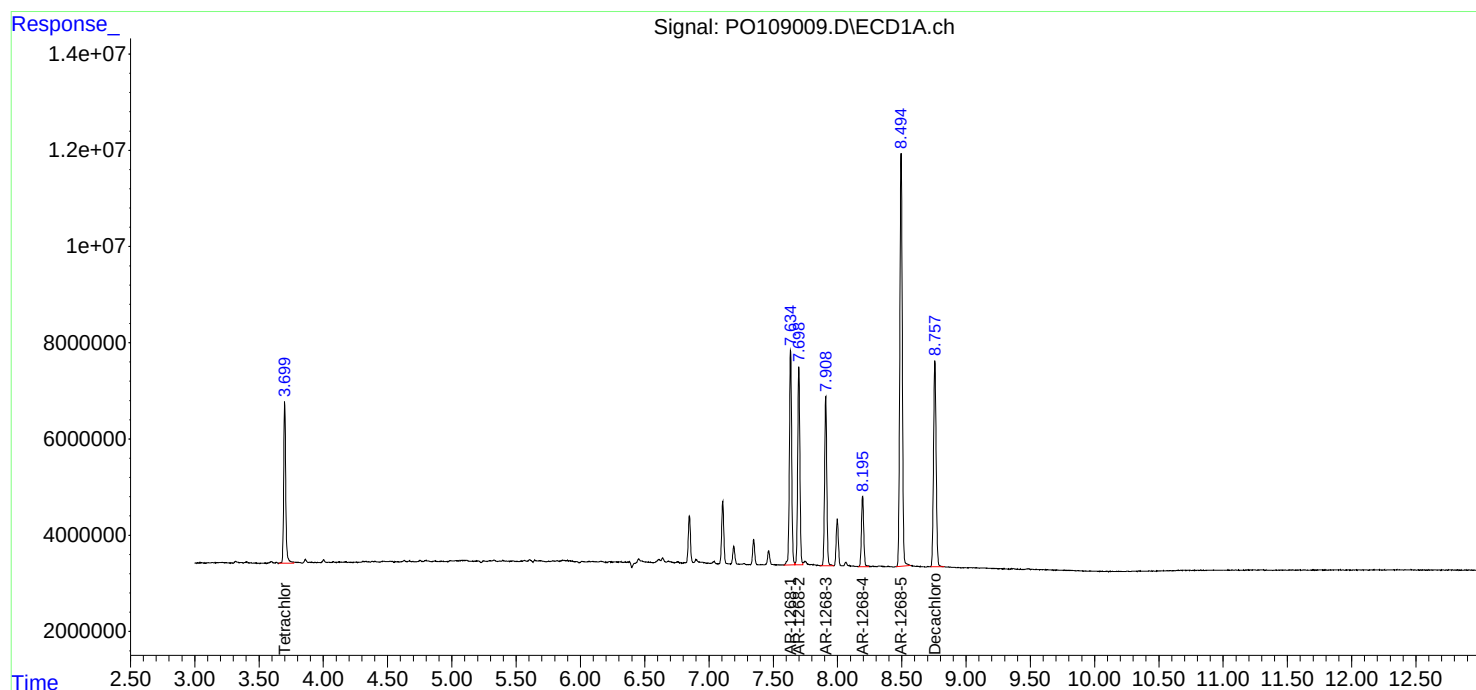


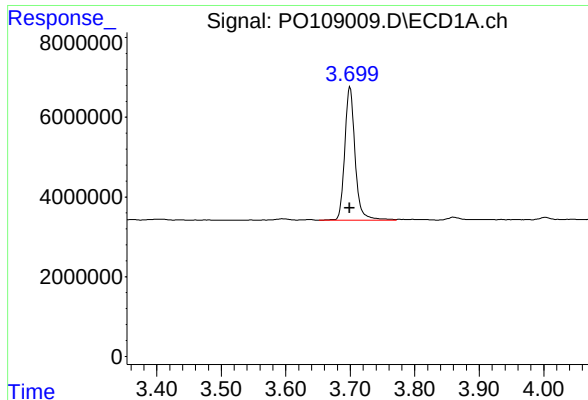
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109009.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 01:50  
Operator : YP/AJ  
Sample : AR1268ICC050  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 02:10:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 01:57:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

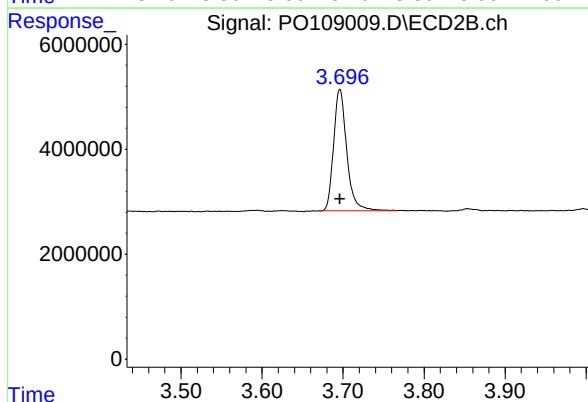




## #1 Tetrachloro-m-xylene

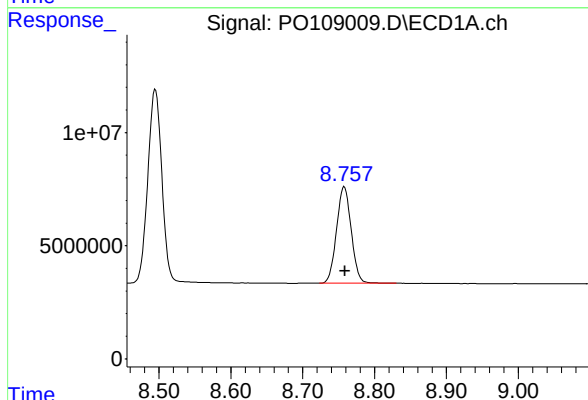
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 37547407  
Conc: 4.88 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050



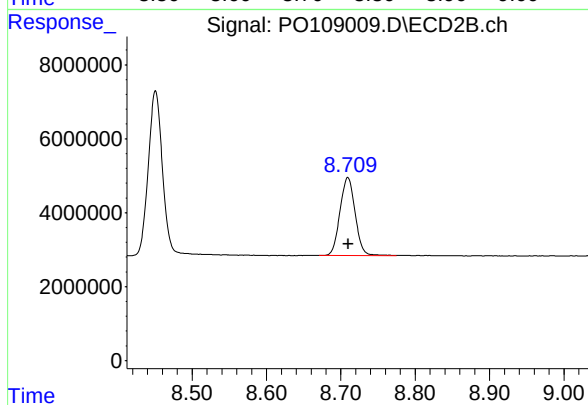
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: 0.000 min  
Response: 26173933  
Conc: 4.78 ng/ml



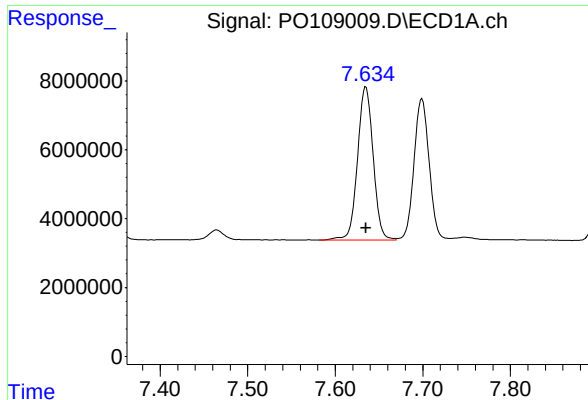
## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: -0.001 min  
Response: 60677969  
Conc: 5.38 ng/ml



## #2 Decachlorobiphenyl

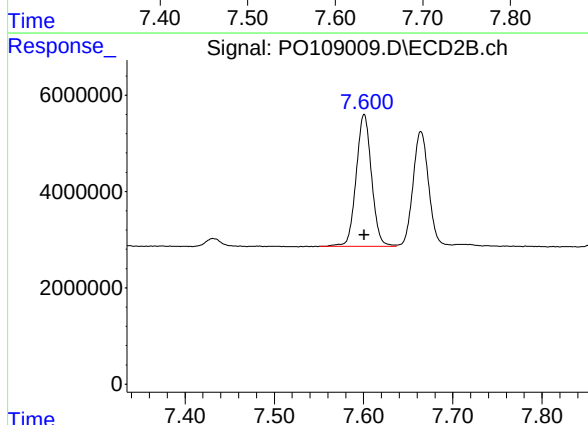
R.T.: 8.710 min  
Delta R.T.: 0.000 min  
Response: 29985616  
Conc: 5.42 ng/ml



#41 AR-1268-1

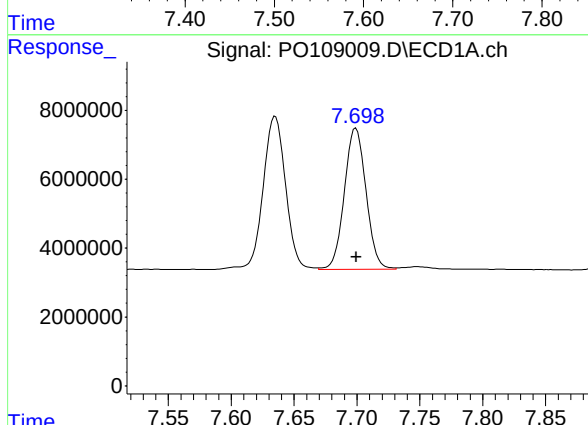
R.T.: 7.635 min  
Delta R.T.: 0.000 min  
Response: 55249101  
Conc: 52.39 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050



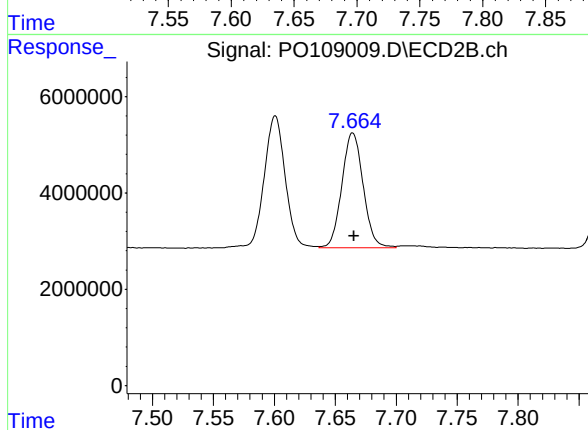
#41 AR-1268-1

R.T.: 7.601 min  
Delta R.T.: 0.000 min  
Response: 32904722  
Conc: 52.87 ng/ml



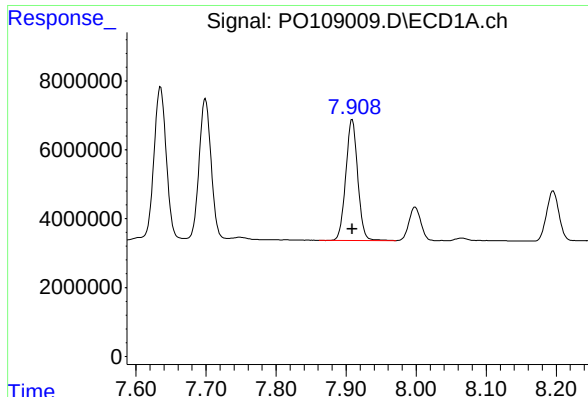
#42 AR-1268-2

R.T.: 7.699 min  
Delta R.T.: 0.000 min  
Response: 49168103  
Conc: 50.92 ng/ml



#42 AR-1268-2

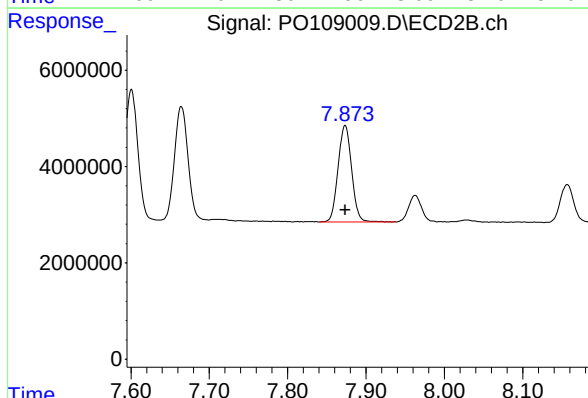
R.T.: 7.664 min  
Delta R.T.: 0.000 min  
Response: 29059925  
Conc: 51.11 ng/ml



#43 AR-1268-3

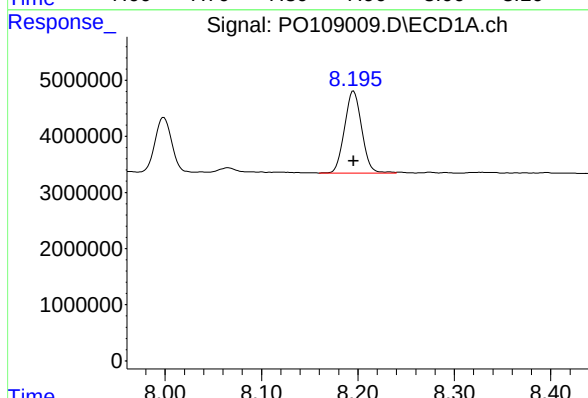
R.T.: 7.909 min  
Delta R.T.: 0.000 min  
Response: 41716645  
Conc: 52.25 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050



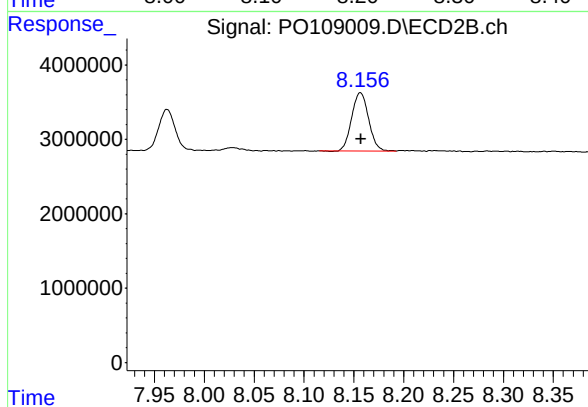
#43 AR-1268-3

R.T.: 7.873 min  
Delta R.T.: 0.000 min  
Response: 24061606  
Conc: 52.84 ng/ml



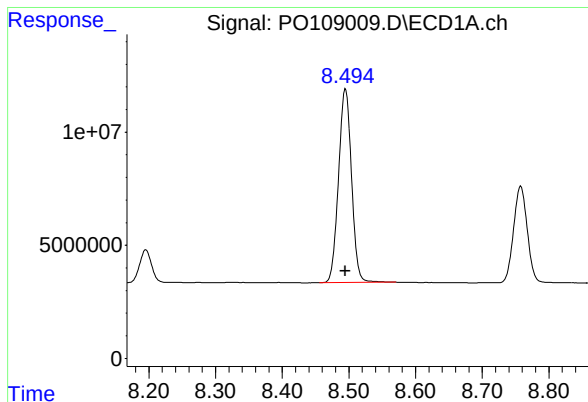
#44 AR-1268-4

R.T.: 8.195 min  
Delta R.T.: 0.000 min  
Response: 18199708  
Conc: 53.97 ng/ml



#44 AR-1268-4

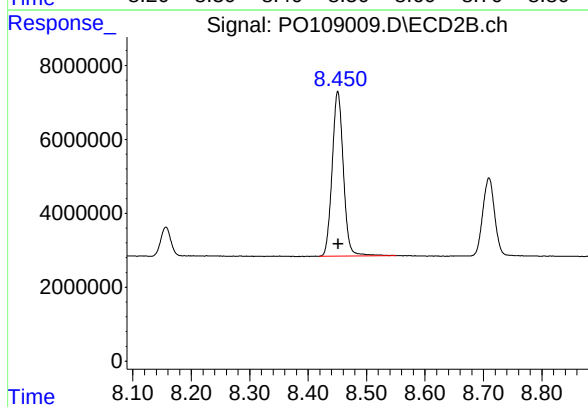
R.T.: 8.157 min  
Delta R.T.: 0.000 min  
Response: 9246442  
Conc: 51.54 ng/ml



#45 AR-1268-5

R.T.: 8.495 min  
Delta R.T.: 0.000 min  
Response: 116168010  
Conc: 48.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050



#45 AR-1268-5

R.T.: 8.451 min  
Delta R.T.: -0.001 min  
Response: 59459506  
Conc: 49.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0109010.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Jan 2025 02:08  
 Operator : YP/AJ  
 Sample : P0012125ICV500  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

ICVPO012125

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 22 02:32:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 02:14:43 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|---------|----------|---------|----------|
| -----                       |       |       |         |          |         |          |
| System Monitoring Compounds |       |       |         |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 409.4E6 | 303.2E6  | 54.176  | 56.555   |
| 2) SA Decachlor...          | 8.760 | 8.711 | 374.2E6 | 186.7E6  | 54.018  | 54.303   |
| Target Compounds            |       |       |         |          |         |          |
| 3) L1 AR-1016-1             | 4.795 | 4.781 | 134.3E6 | 91147651 | 532.484 | 562.925m |
| 4) L1 AR-1016-2             | 4.815 | 4.801 | 187.1E6 | 128.3E6  | 542.444 | 538.530m |
| 5) L1 AR-1016-3             | 4.871 | 4.976 | 131.0E6 | 70918187 | 536.436 | 543.944m |
| 6) L1 AR-1016-4             | 4.992 | 5.018 | 102.0E6 | 59678316 | 534.734 | 539.985m |
| 7) L1 AR-1016-5             | 5.249 | 5.231 | 112.9E6 | 78836265 | 541.040 | 549.217m |
| 31) L7 AR-1260-1            | 6.291 | 6.265 | 203.9E6 | 136.8E6  | 534.939 | 542.573  |
| 32) L7 AR-1260-2            | 6.480 | 6.452 | 251.4E6 | 162.8E6  | 535.300 | 541.157  |
| 33) L7 AR-1260-3            | 6.849 | 6.606 | 207.7E6 | 149.8E6  | 530.440 | 538.012  |
| 34) L7 AR-1260-4            | 7.109 | 7.077 | 192.2E6 | 124.6E6  | 537.013 | 552.160m |
| 35) L7 AR-1260-5            | 7.350 | 7.317 | 450.9E6 | 276.2E6  | 540.230 | 551.648  |
| -----                       |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109010.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 02:08  
Operator : YP/AJ  
Sample : PO012125ICV500  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

ICVPO012125

## Manual Integrations

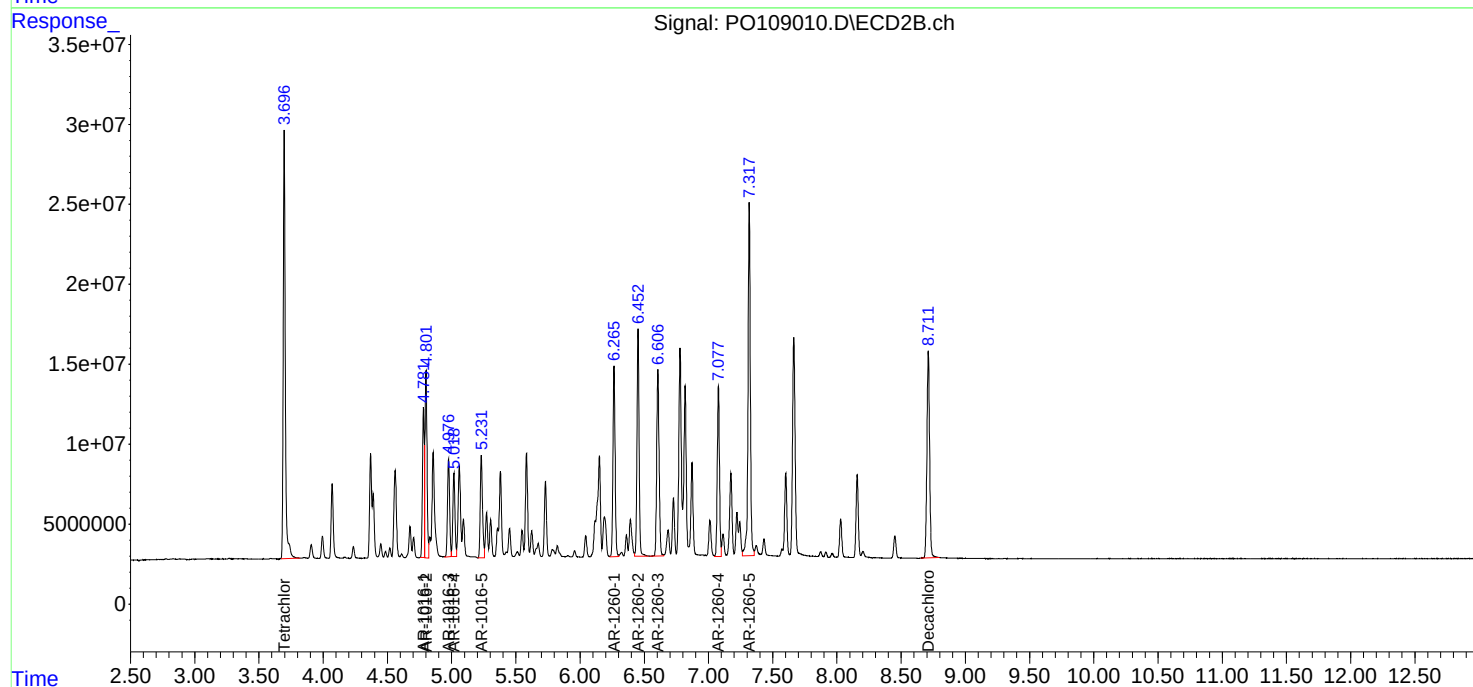
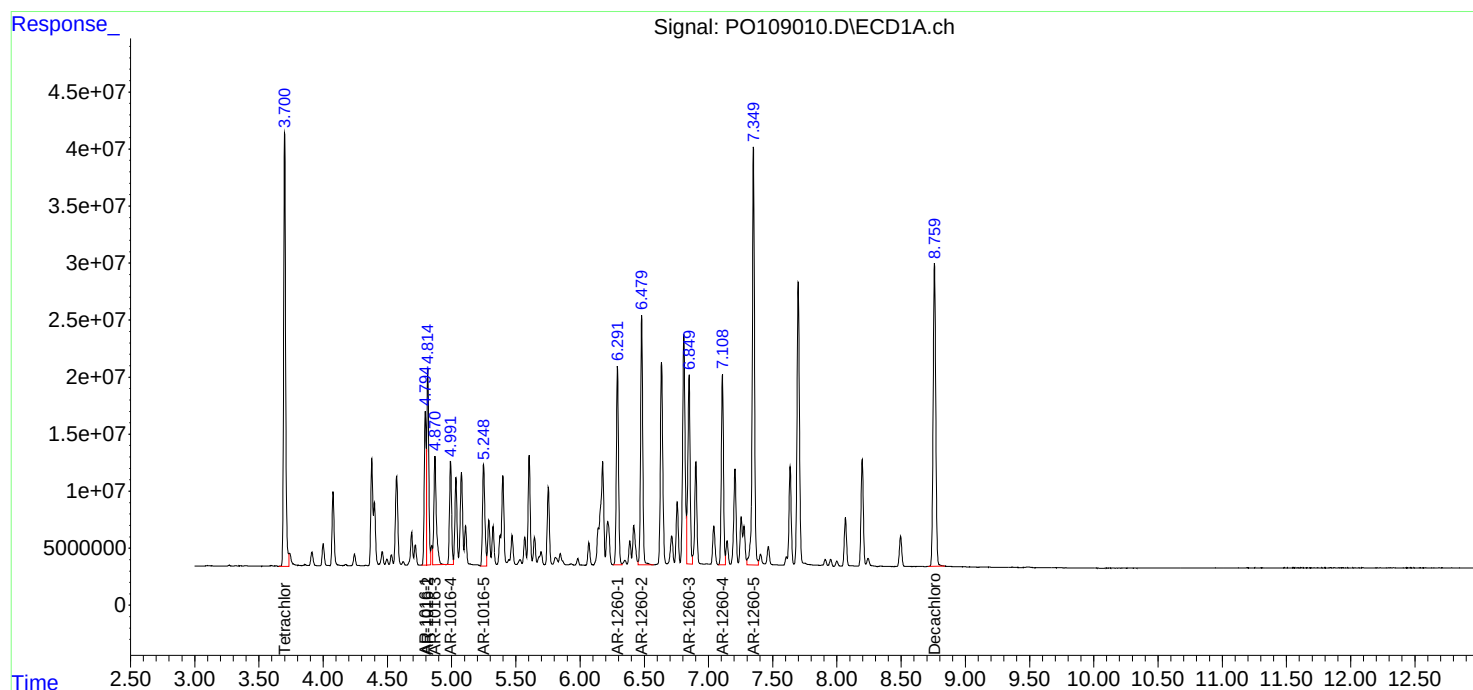
APPROVED

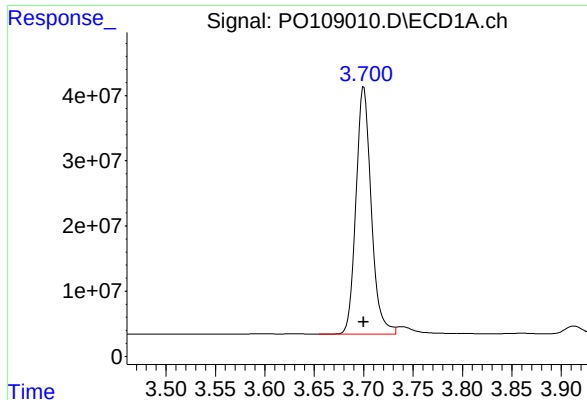
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :Ankita Jodhani 01/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 02:32:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 02:14:43 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





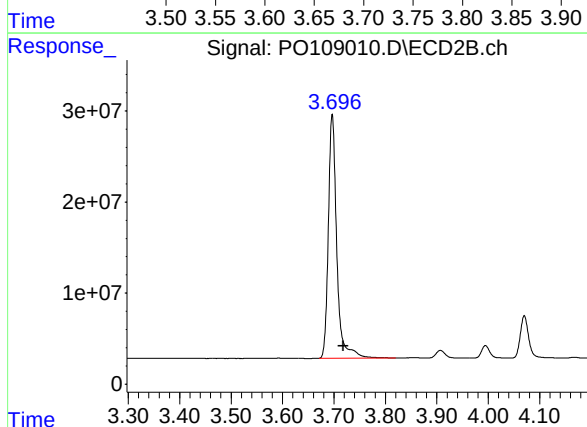
## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 409380444  
Conc: 54.18 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

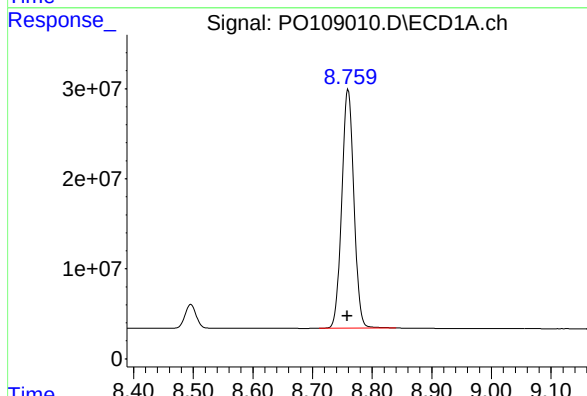
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



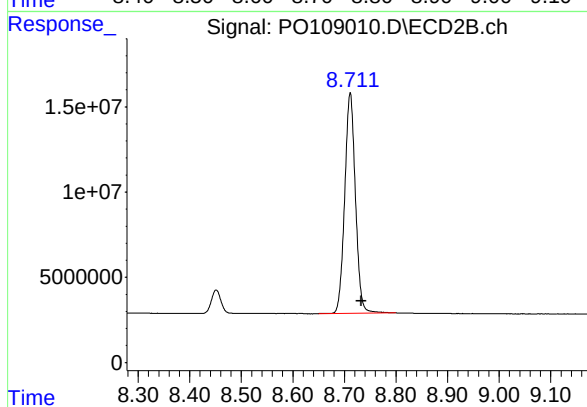
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.022 min  
Response: 303154124  
Conc: 56.56 ng/ml



## #2 Decachlorobiphenyl

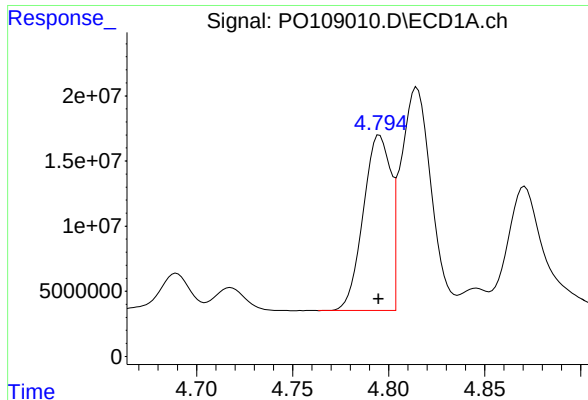
R.T.: 8.760 min  
Delta R.T.: 0.002 min  
Response: 374223274  
Conc: 54.02 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 186734469  
Conc: 54.30 ng/ml





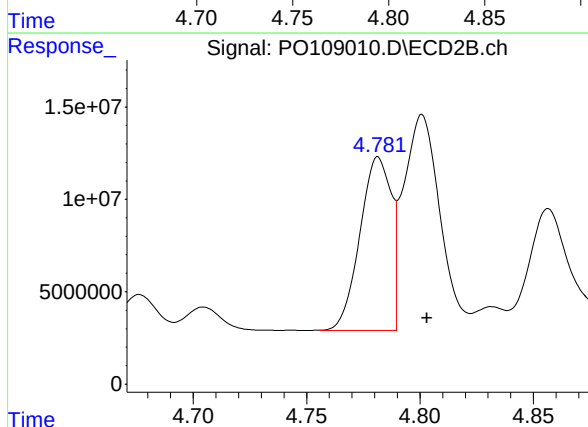
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 134338605  
Conc: 532.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

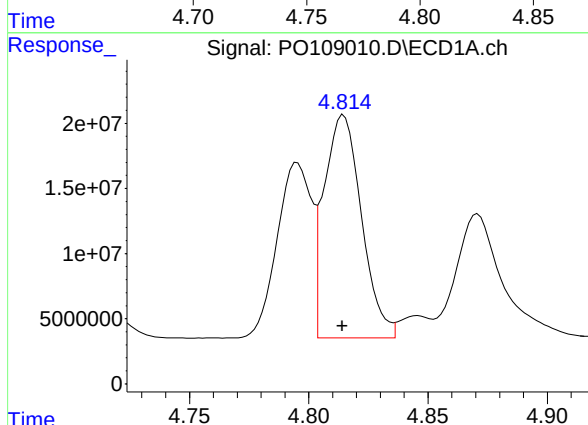
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



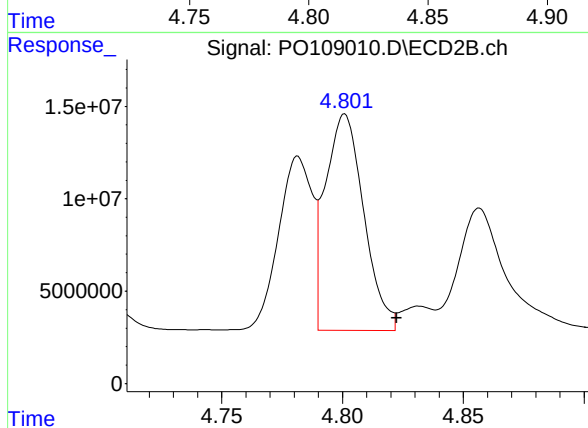
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 91147651  
Conc: 562.92 ng/ml m



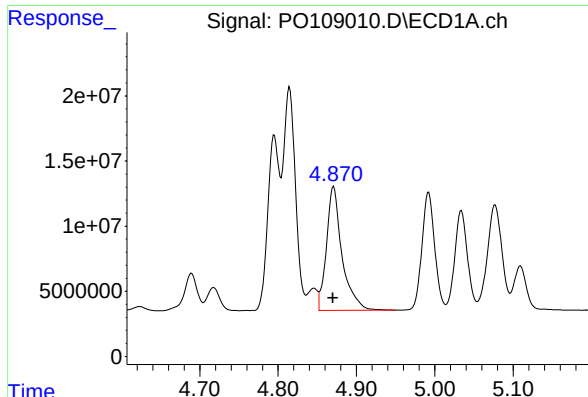
#4 AR-1016-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 187080763  
Conc: 542.44 ng/ml



#4 AR-1016-2

R.T.: 4.801 min  
Delta R.T.: -0.022 min  
Response: 128297378  
Conc: 538.53 ng/ml m



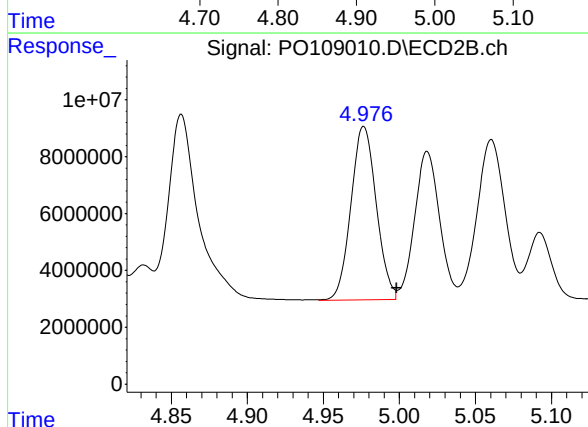
#5 AR-1016-3

R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 130952901  
Conc: 536.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

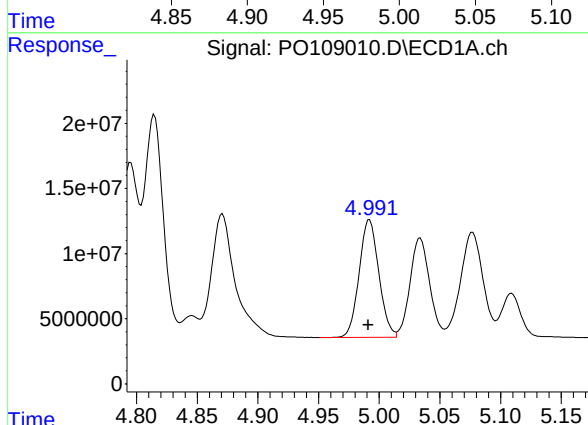
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



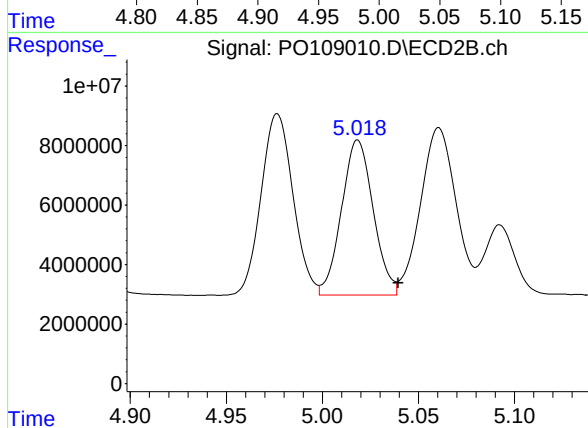
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 70918187  
Conc: 543.94 ng/ml



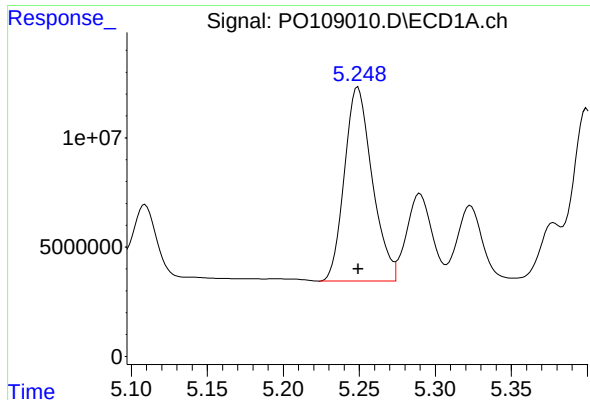
#6 AR-1016-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 102042905  
Conc: 534.73 ng/ml



#6 AR-1016-4

R.T.: 5.018 min  
Delta R.T.: -0.022 min  
Response: 59678316  
Conc: 539.98 ng/ml



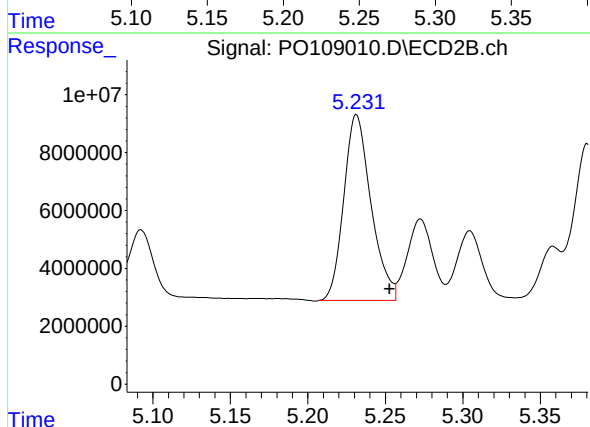
#7 AR-1016-5

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 112948294  
Conc: 541.04 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

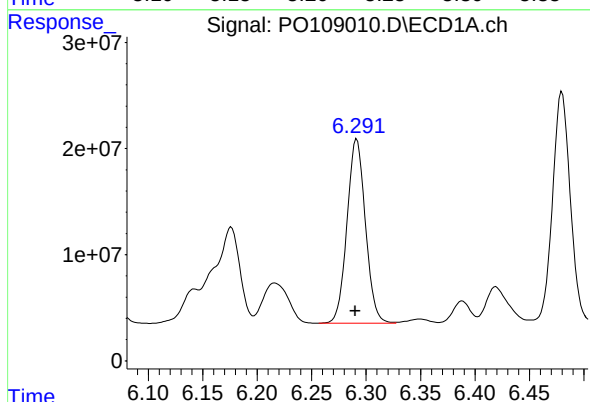
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



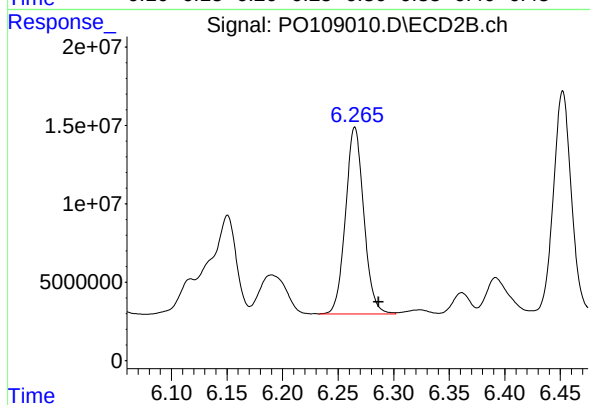
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 78836265  
Conc: 549.22 ng/ml



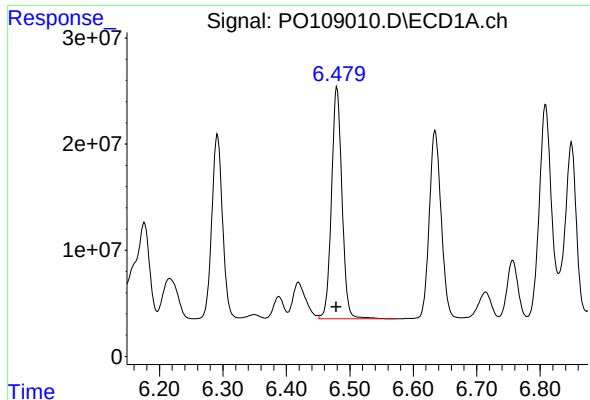
#31 AR-1260-1

R.T.: 6.291 min  
Delta R.T.: 0.001 min  
Response: 203895112  
Conc: 534.94 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.021 min  
Response: 136754955  
Conc: 542.57 ng/ml



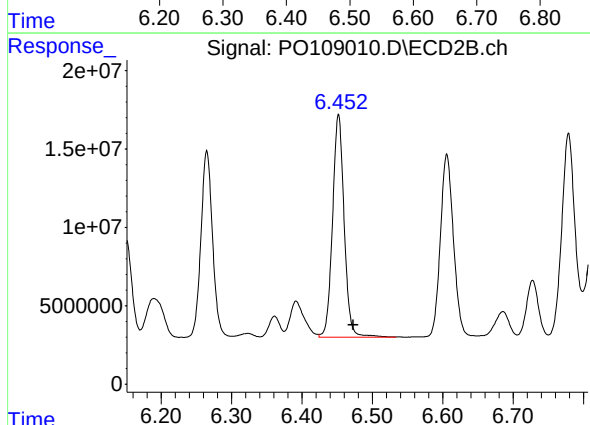
#32 AR-1260-2

R.T.: 6.480 min  
Delta R.T.: 0.001 min  
Response: 251366641  
Conc: 535.30 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

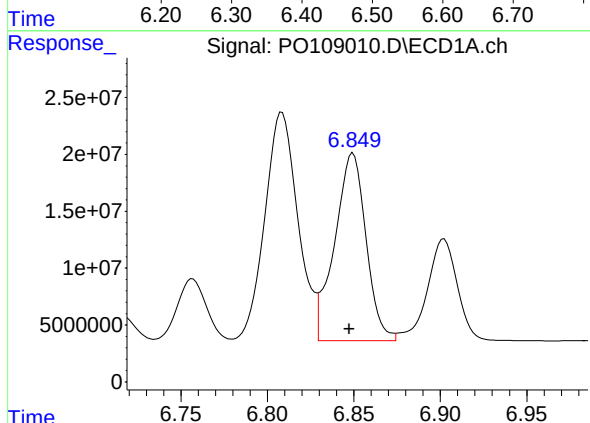
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



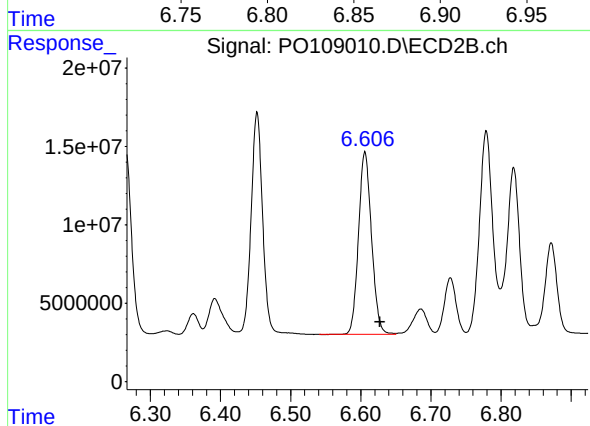
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 162782417  
Conc: 541.16 ng/ml



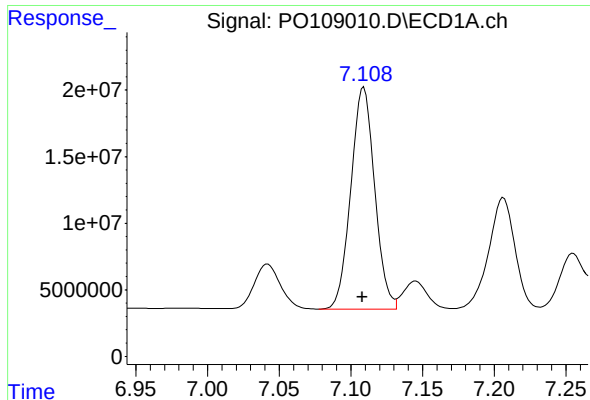
#33 AR-1260-3

R.T.: 6.849 min  
Delta R.T.: 0.002 min  
Response: 207700012  
Conc: 530.44 ng/ml



#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 149775009  
Conc: 538.01 ng/ml



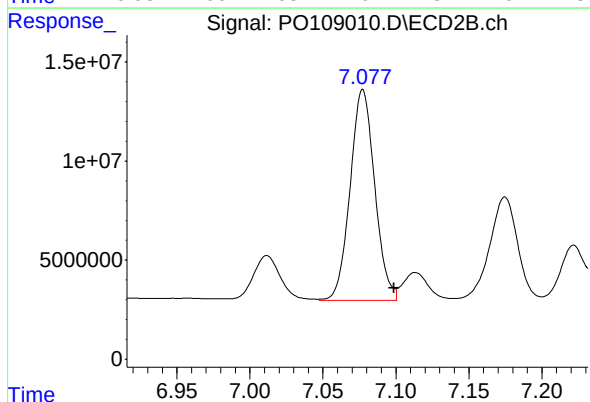
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.000 min  
Response: 192227720  
Conc: 537.01 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125

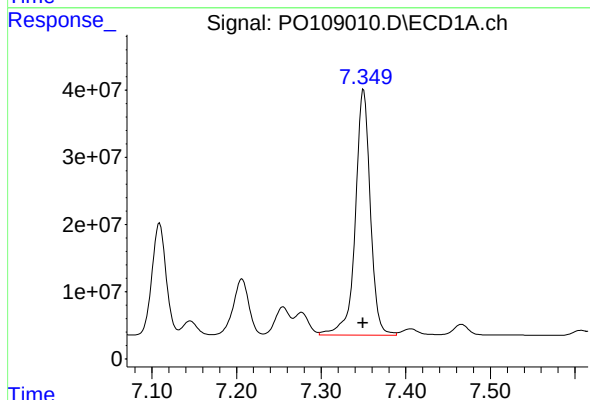
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/22/2025  
Supervised By :Ankita Jodhani 01/22/2025



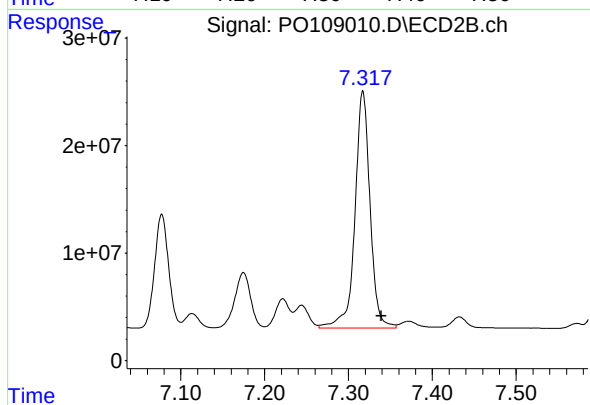
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.022 min  
Response: 124595554  
Conc: 552.16 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.000 min  
Response: 450873343  
Conc: 540.23 ng/ml



#35 AR-1260-5

R.T.: 7.317 min  
Delta R.T.: -0.022 min  
Response: 276199206  
Conc: 551.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109011.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 02:26  
Operator : YP/AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 02:50:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 02:49:14 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 386.3E6  | 286.6E6  | 52.866  | 54.625  |
| 2) SA Decachlor...          | 8.762 | 8.712 | 347.1E6  | 171.9E6  | 52.933  | 52.638  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.795 | 4.782 | 110.3E6  | 75063056 | 519.318 | 525.241 |
| 17) L4 AR-1242-2            | 4.815 | 4.801 | 151.8E6  | 105.2E6  | 529.425 | 533.588 |
| 18) L4 AR-1242-3            | 4.871 | 4.977 | 107.5E6  | 58321364 | 525.057 | 534.847 |
| 19) L4 AR-1242-4            | 4.992 | 5.061 | 83448593 | 61045200 | 525.266 | 537.162 |
| 20) L4 AR-1242-5            | 5.646 | 5.583 | 88945375 | 73071301 | 532.508 | 534.199 |
| -----                       |       |       |          |          |         |         |

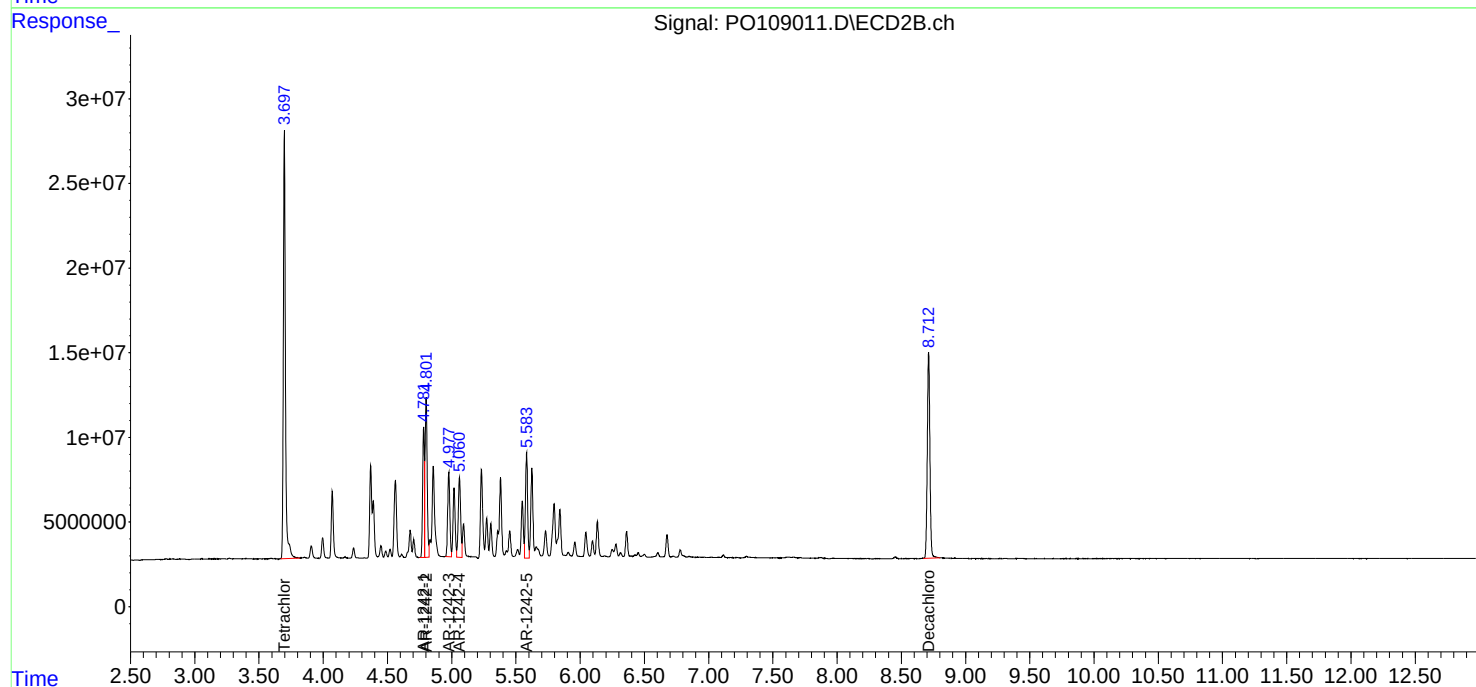
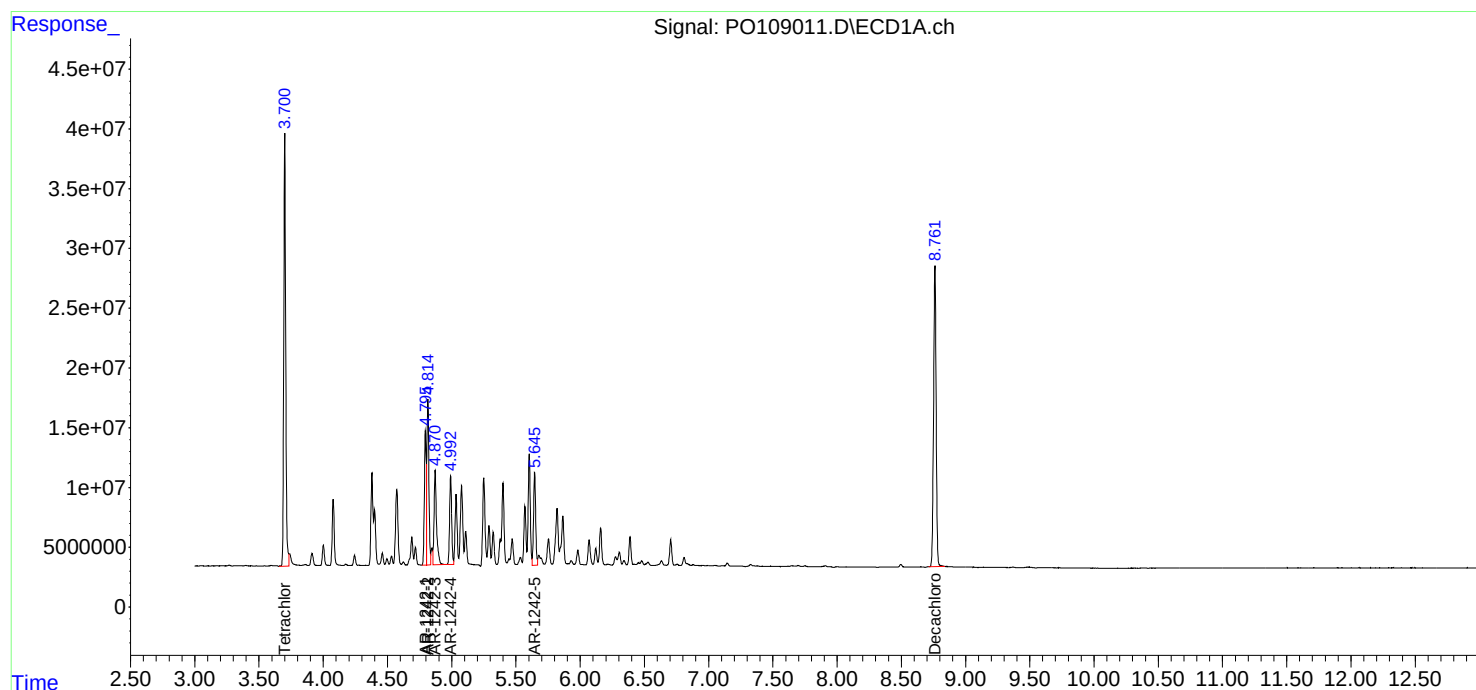
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

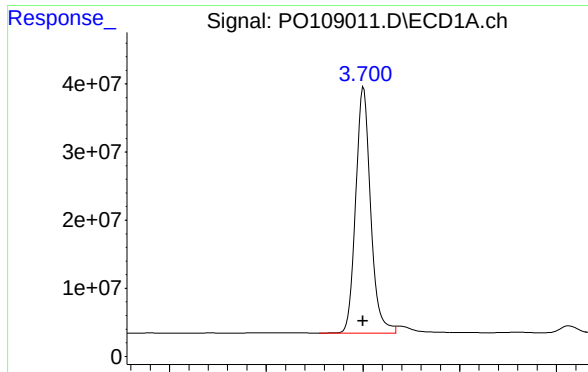
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109011.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 02:26  
Operator : YP/AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 02:50:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 02:49:14 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

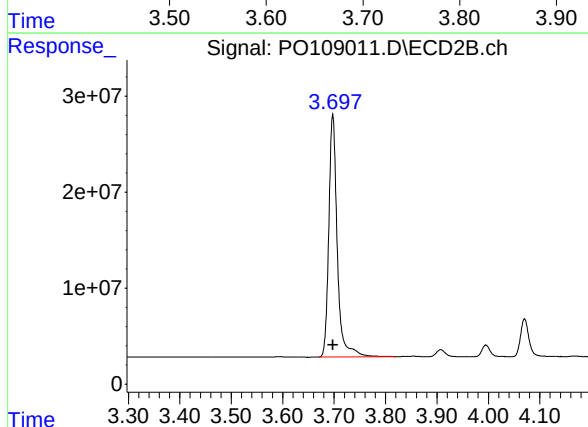




## #1 Tetrachloro-m-xylene

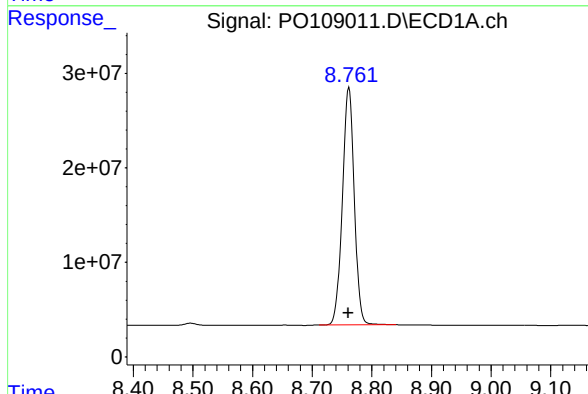
R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 386287216  
Conc: 52.87 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242



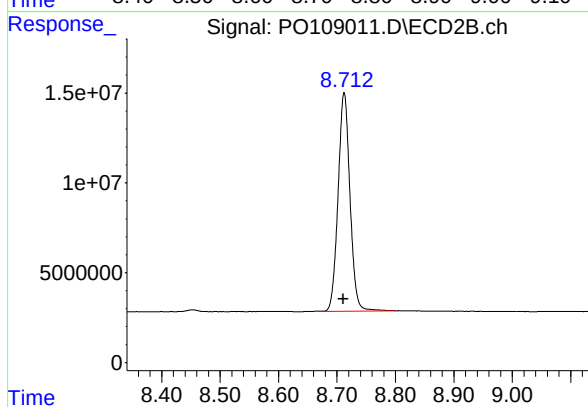
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 286593943  
Conc: 54.63 ng/ml



## #2 Decachlorobiphenyl

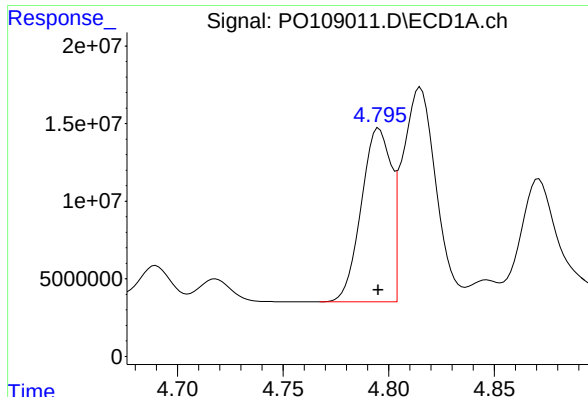
R.T.: 8.762 min  
Delta R.T.: 0.001 min  
Response: 347073124  
Conc: 52.93 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: 0.002 min  
Response: 171883230  
Conc: 52.64 ng/ml

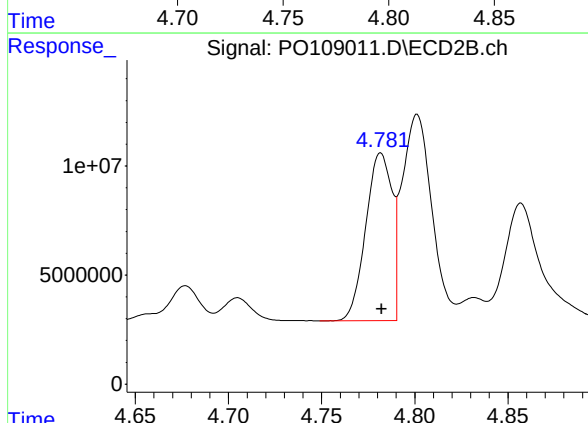




#16 AR-1242-1

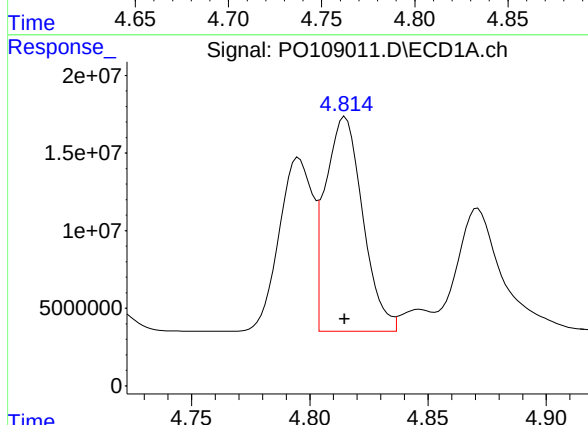
R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 110324439  
Conc: 519.32 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242



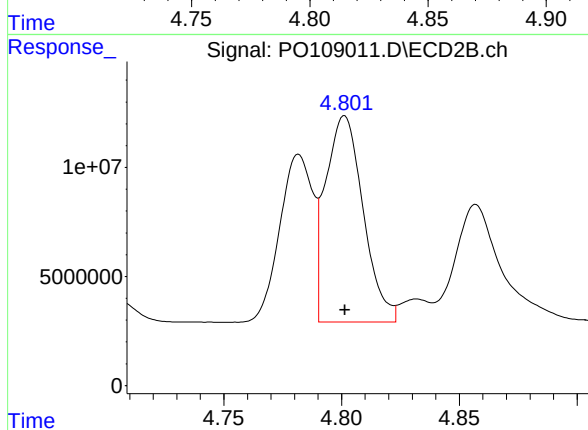
#16 AR-1242-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 75063056  
Conc: 525.24 ng/ml



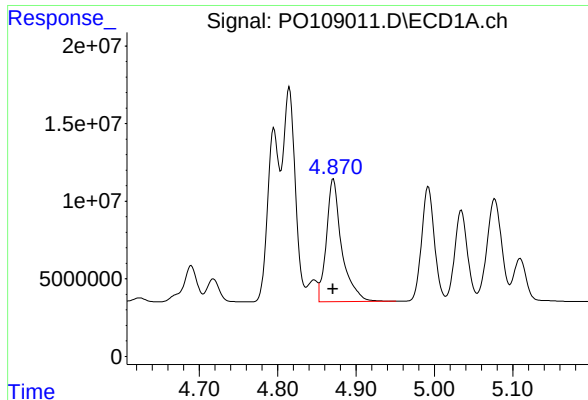
#17 AR-1242-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 151800139  
Conc: 529.43 ng/ml



#17 AR-1242-2

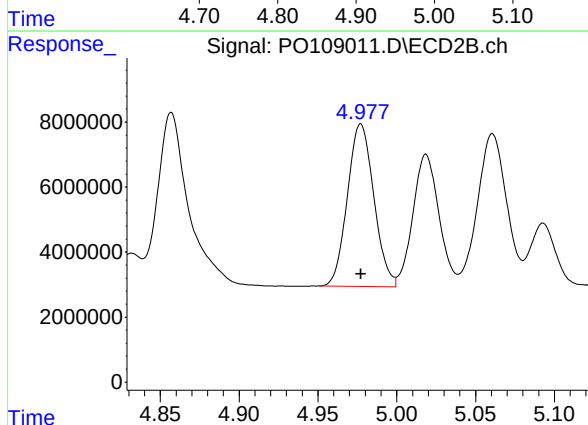
R.T.: 4.801 min  
Delta R.T.: 0.000 min  
Response: 105232691  
Conc: 533.59 ng/ml



#18 AR-1242-3

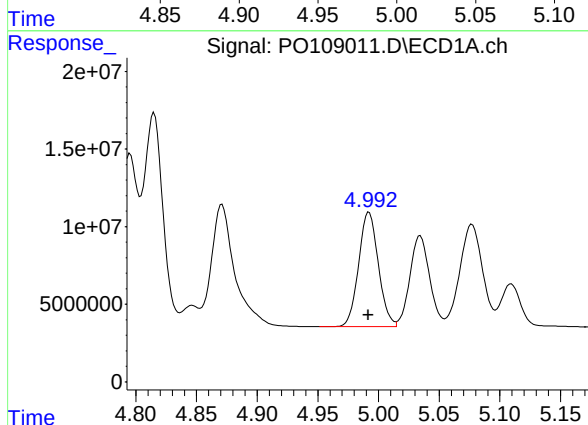
R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 107484021  
Conc: 525.06 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242



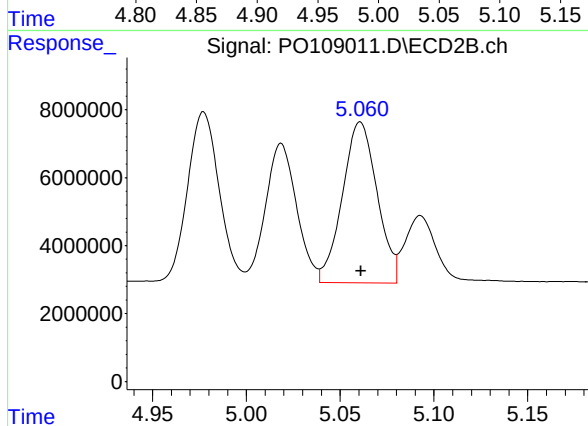
#18 AR-1242-3

R.T.: 4.977 min  
Delta R.T.: 0.000 min  
Response: 58321364  
Conc: 534.85 ng/ml



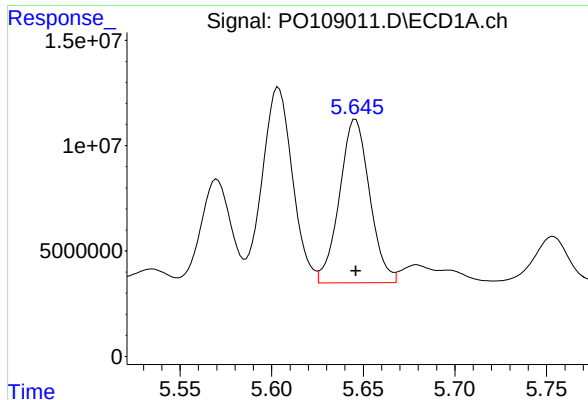
#19 AR-1242-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 83448593  
Conc: 525.27 ng/ml



#19 AR-1242-4

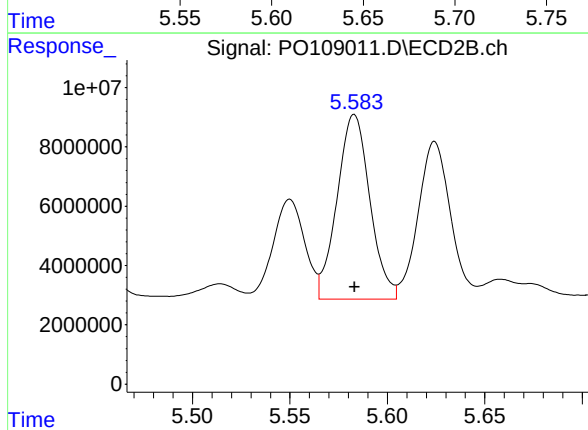
R.T.: 5.061 min  
Delta R.T.: 0.000 min  
Response: 61045200  
Conc: 537.16 ng/ml



#20 AR-1242-5

R.T.: 5.646 min  
Delta R.T.: 0.000 min  
Response: 88945375  
Conc: 532.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1242



#20 AR-1242-5

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 73071301  
Conc: 534.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
 Data File : P0109012.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Jan 2025 02:44  
 Operator : YP/AJ  
 Sample : AR1248ICV500  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO012125AR1248

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 22 03:03:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:02:31 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.701 | 3.697 | 399.0E6  | 281.8E6  | 53.909  | 54.190  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 349.1E6  | 172.2E6  | 52.923  | 52.413  |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.796 | 4.782 | 83705170 | 56687632 | 524.563 | 528.213 |
| 22) L5 AR-1248-2            | 5.034 | 5.019 | 115.0E6  | 80555675 | 514.528 | 523.169 |
| 23) L5 AR-1248-3            | 5.250 | 5.061 | 143.1E6  | 86081510 | 522.435 | 520.526 |
| 24) L5 AR-1248-4            | 5.604 | 5.232 | 199.6E6  | 100.4E6  | 519.034 | 524.353 |
| 25) L5 AR-1248-5            | 5.647 | 5.625 | 139.3E6  | 96246684 | 524.264 | 525.330 |
| -----                       |       |       |          |          |         |         |

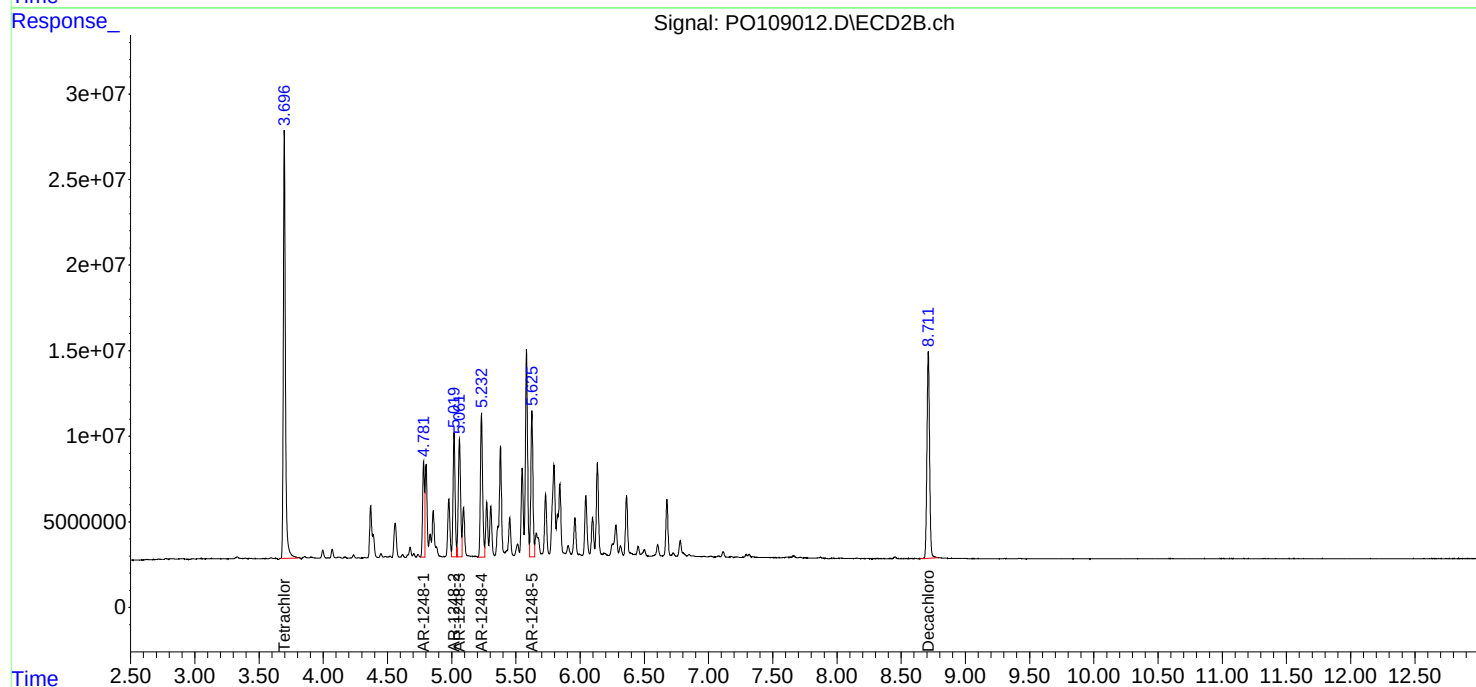
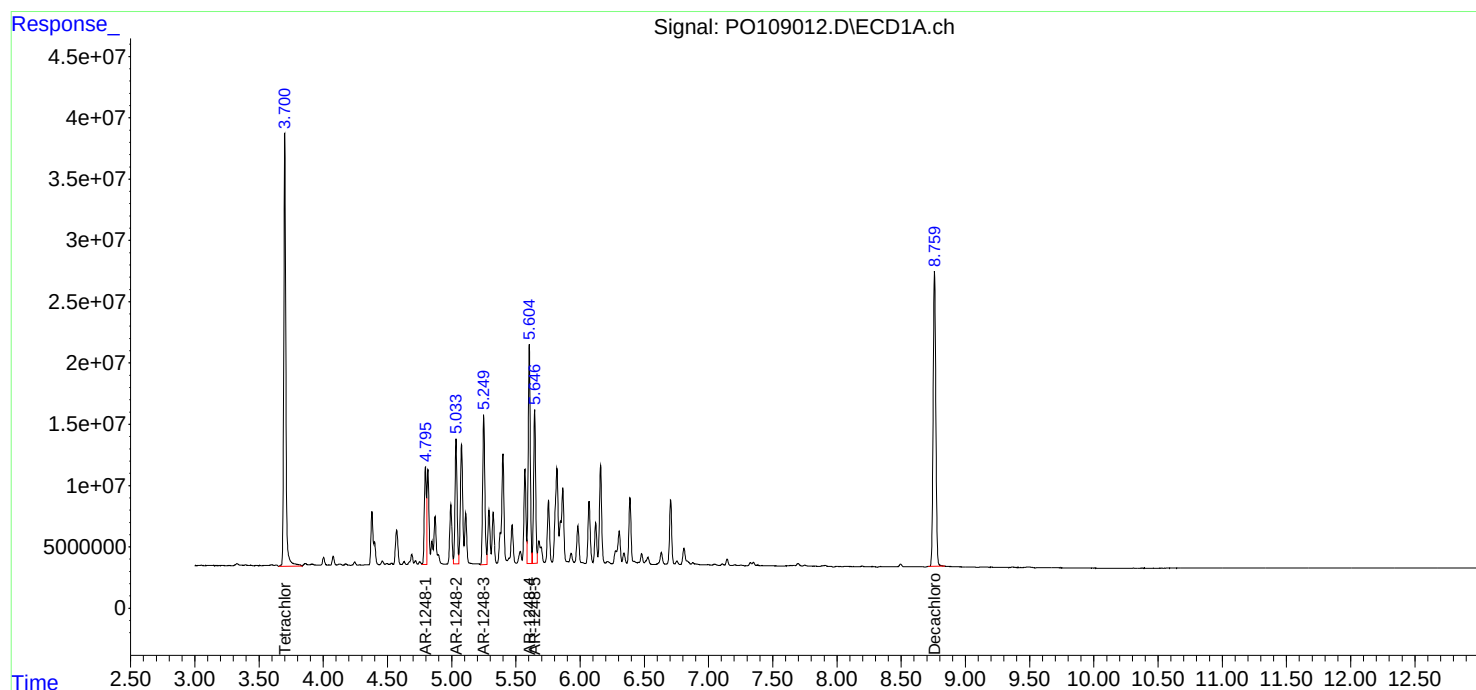
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

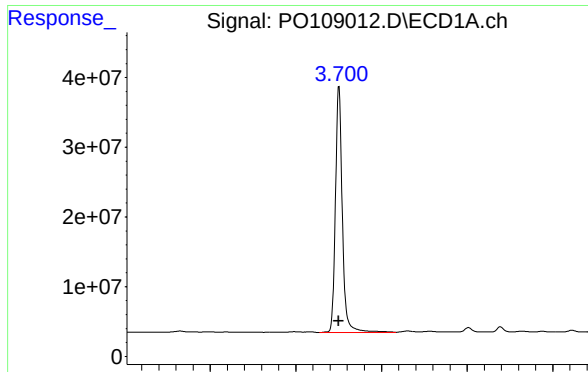
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109012.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 02:44  
Operator : YP/AJ  
Sample : AR1248ICV500  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1248

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 03:03:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:02:31 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

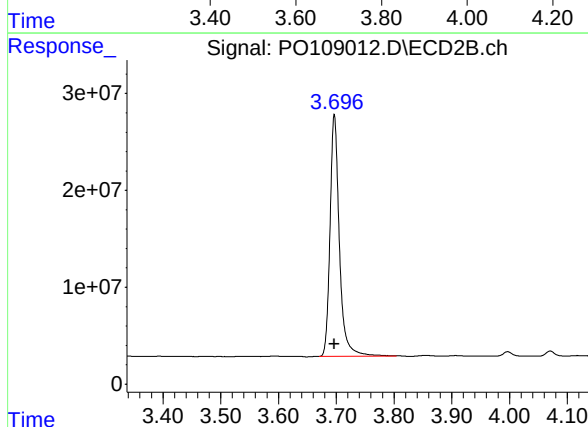




## #1 Tetrachloro-m-xylene

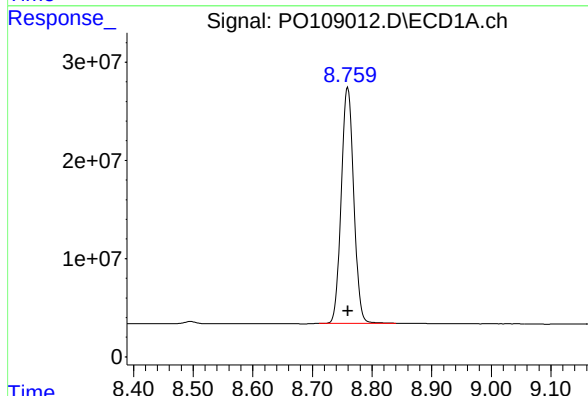
R.T.: 3.701 min  
Delta R.T.: 0.000 min  
Response: 398988402  
Conc: 53.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1248



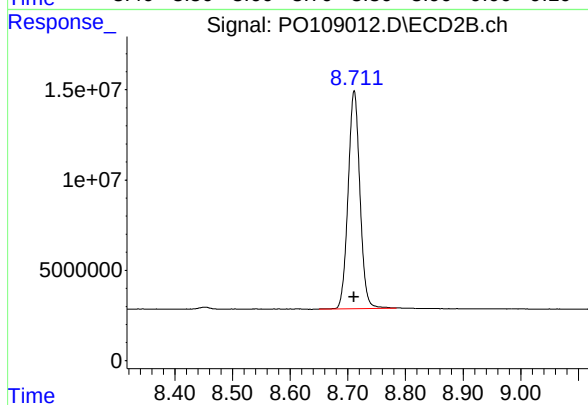
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 281848047  
Conc: 54.19 ng/ml



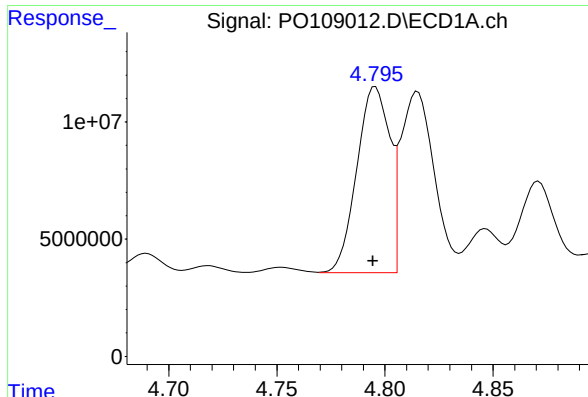
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 349066612  
Conc: 52.92 ng/ml



## #2 Decachlorobiphenyl

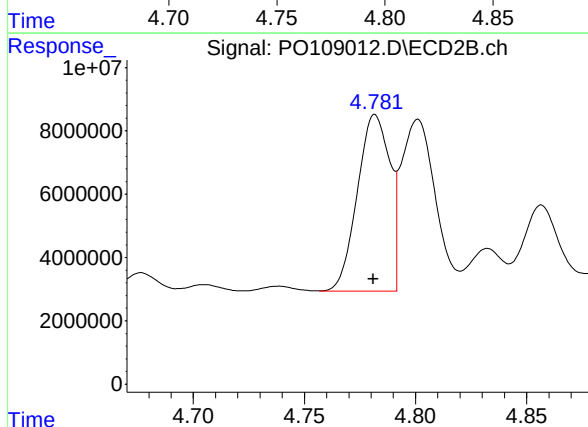
R.T.: 8.711 min  
Delta R.T.: 0.000 min  
Response: 172198922  
Conc: 52.41 ng/ml



#21 AR-1248-1

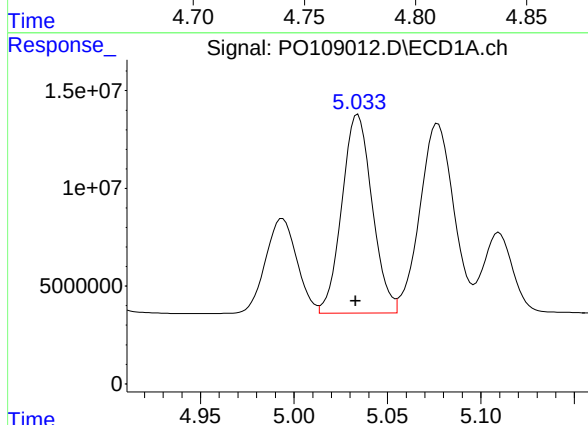
R.T.: 4.796 min  
Delta R.T.: 0.001 min  
Response: 83705170  
Conc: 524.56 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1248



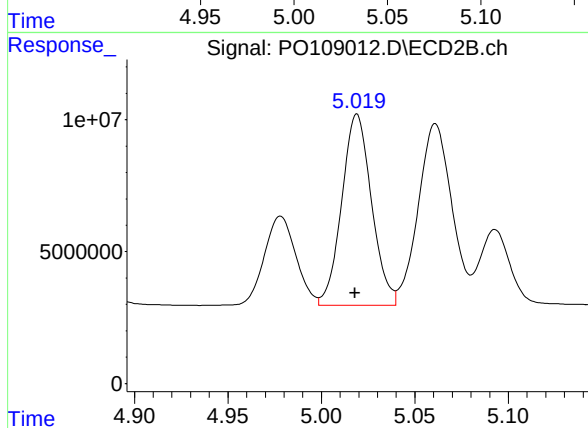
#21 AR-1248-1

R.T.: 4.782 min  
Delta R.T.: 0.000 min  
Response: 56687632  
Conc: 528.21 ng/ml



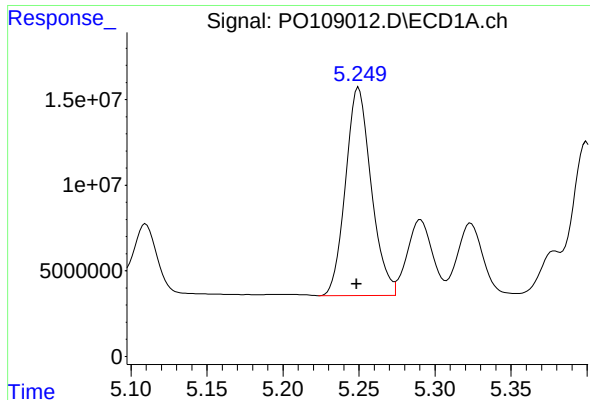
#22 AR-1248-2

R.T.: 5.034 min  
Delta R.T.: 0.001 min  
Response: 114991573  
Conc: 514.53 ng/ml



#22 AR-1248-2

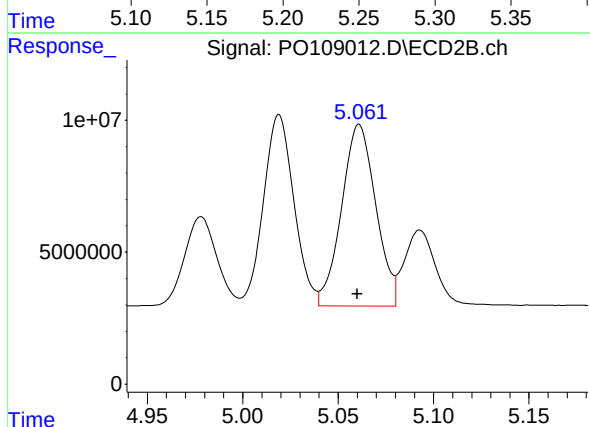
R.T.: 5.019 min  
Delta R.T.: 0.001 min  
Response: 80555675  
Conc: 523.17 ng/ml



#23 AR-1248-3

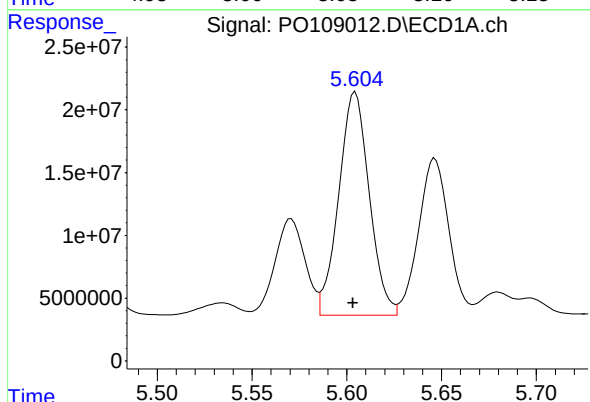
R.T.: 5.250 min  
Delta R.T.: 0.001 min  
Response: 143074138  
Conc: 522.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1248



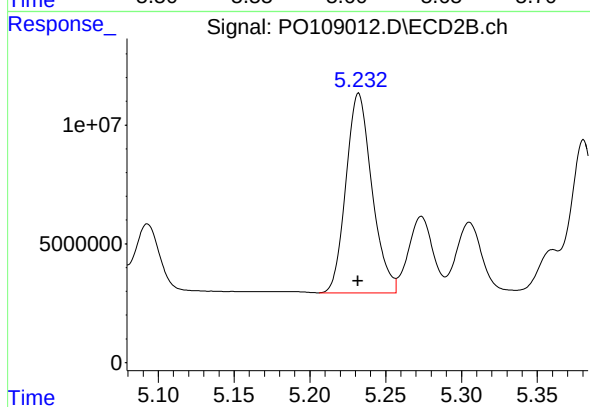
#23 AR-1248-3

R.T.: 5.061 min  
Delta R.T.: 0.001 min  
Response: 86081510  
Conc: 520.53 ng/ml



#24 AR-1248-4

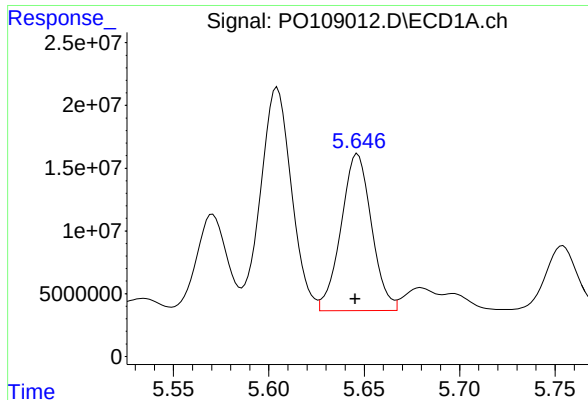
R.T.: 5.604 min  
Delta R.T.: 0.001 min  
Response: 199592513  
Conc: 519.03 ng/ml



#24 AR-1248-4

R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 100416664  
Conc: 524.35 ng/ml

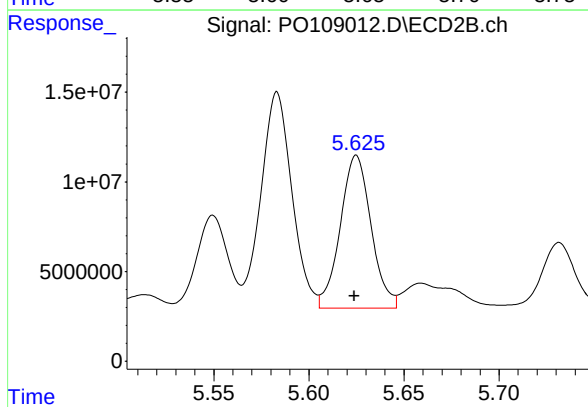




#25 AR-1248-5

R.T.: 5.647 min  
Delta R.T.: 0.001 min  
Response: 139280848  
Conc: 524.26 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1248



#25 AR-1248-5

R.T.: 5.625 min  
Delta R.T.: 0.001 min  
Response: 96246684  
Conc: 525.33 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109013.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 03:03  
Operator : YP/AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 08:22:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.701 | 3.697 | 410.5E6 | 292.1E6 | 54.329  | 54.495  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 355.2E6 | 175.6E6 | 51.277  | 51.063  |
|                             |       |       |         |         |         |         |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.605 | 5.583 | 218.5E6 | 150.1E6 | 528.281 | 533.906 |
| 27) L6 AR-1254-2            | 5.754 | 5.731 | 190.9E6 | 132.4E6 | 527.639 | 529.106 |
| 28) L6 AR-1254-3            | 6.160 | 6.134 | 301.4E6 | 210.9E6 | 534.208 | 536.984 |
| 29) L6 AR-1254-4            | 6.389 | 6.362 | 189.9E6 | 121.5E6 | 551.095 | 551.507 |
| 30) L6 AR-1254-5            | 6.809 | 6.780 | 275.1E6 | 175.9E6 | 536.150 | 538.472 |
| -----                       |       |       |         |         |         |         |

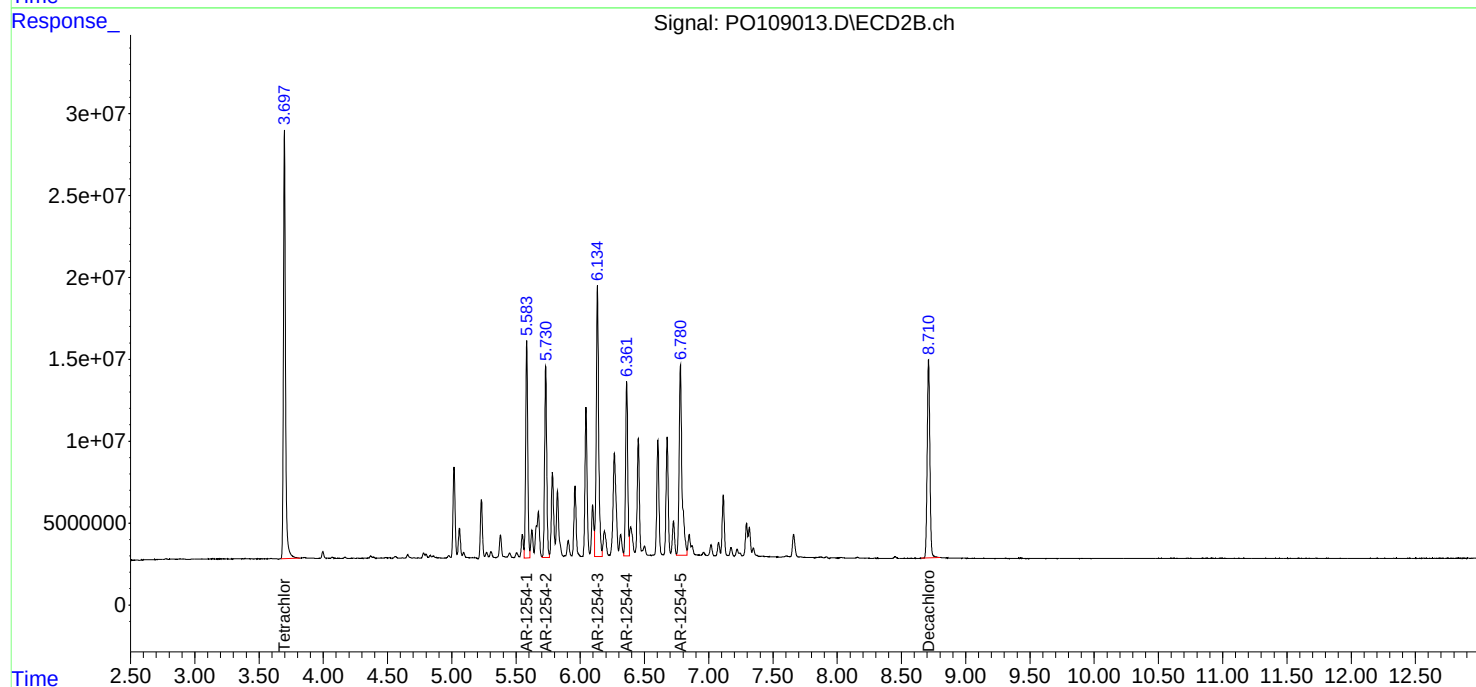
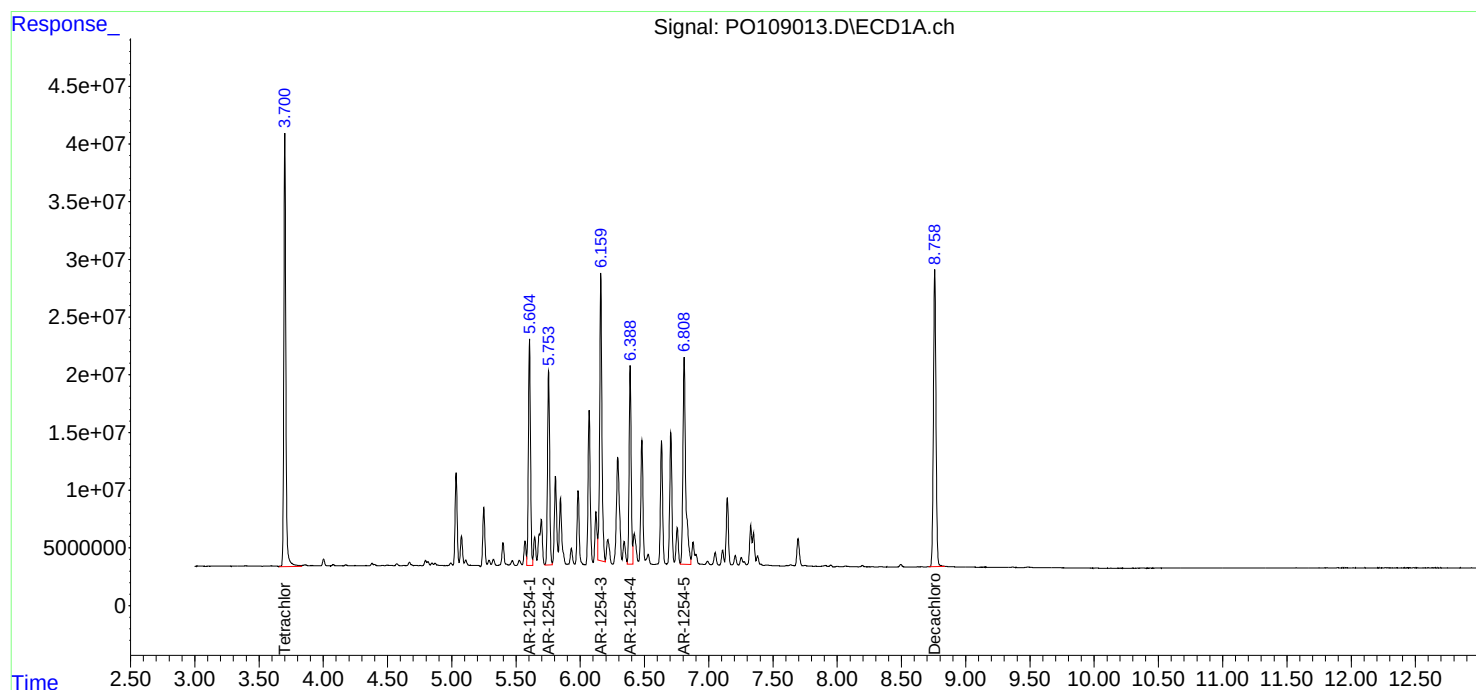
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

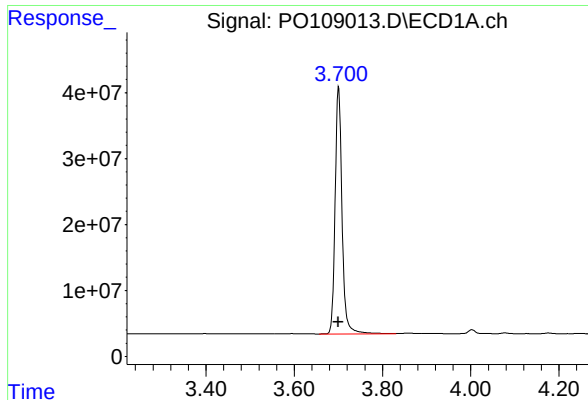
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109013.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 03:03  
Operator : YP/AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 08:22:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

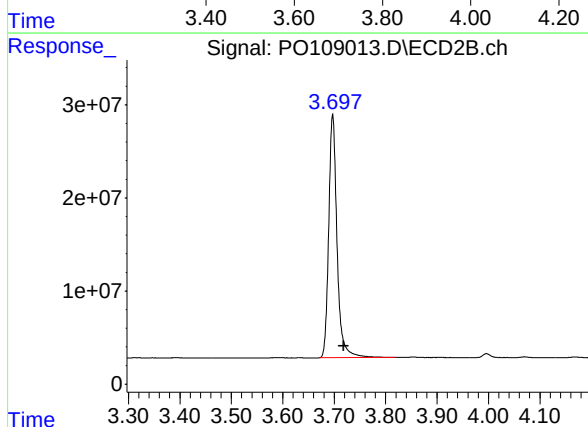




## #1 Tetrachloro-m-xylene

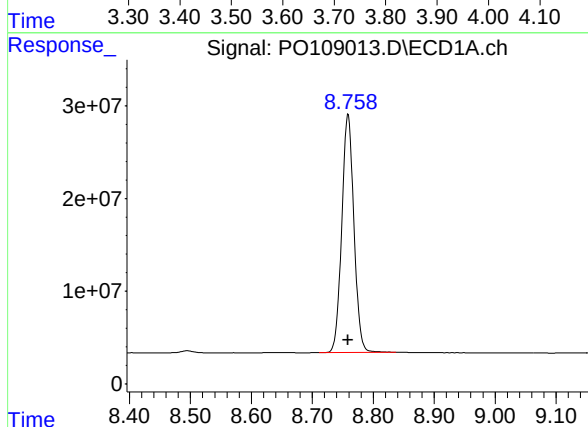
R.T.: 3.701 min  
Delta R.T.: 0.000 min  
Response: 410530354  
Conc: 54.33 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254



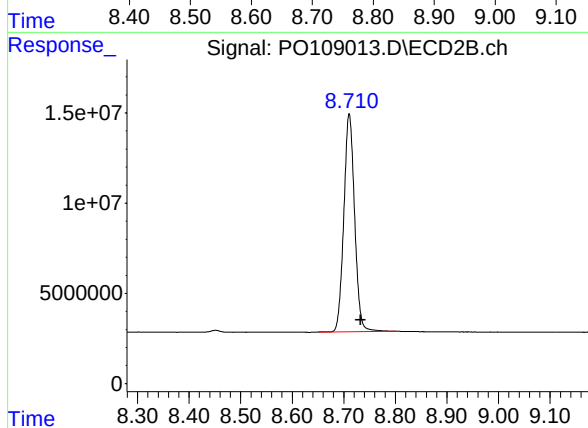
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.021 min  
Response: 292110454  
Conc: 54.49 ng/ml



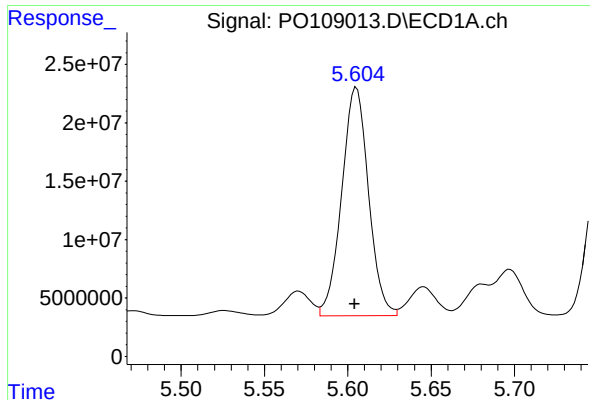
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 355233975  
Conc: 51.28 ng/ml



## #2 Decachlorobiphenyl

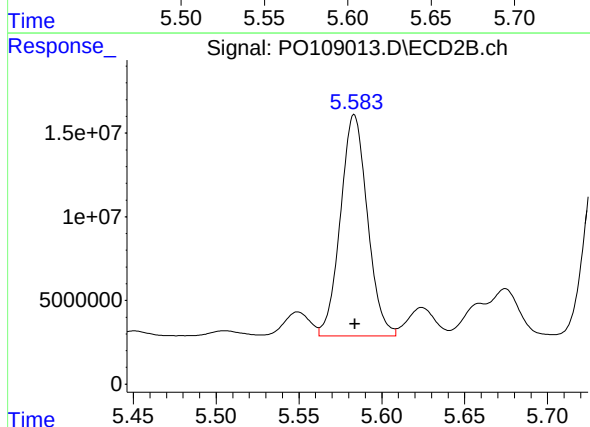
R.T.: 8.711 min  
Delta R.T.: -0.023 min  
Response: 175593184  
Conc: 51.06 ng/ml



#26 AR-1254-1

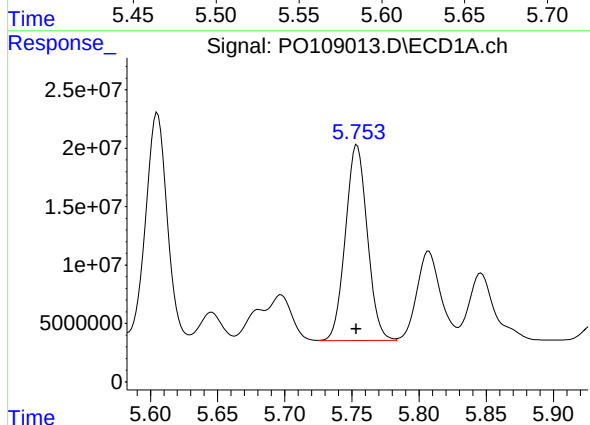
R.T.: 5.605 min  
Delta R.T.: 0.001 min  
Response: 218460601  
Conc: 528.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254



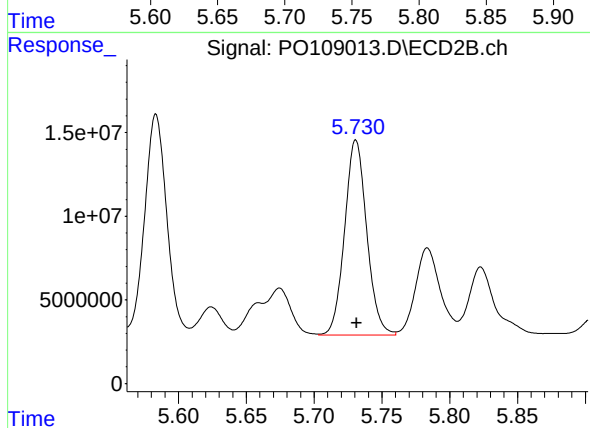
#26 AR-1254-1

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 150071890  
Conc: 533.91 ng/ml



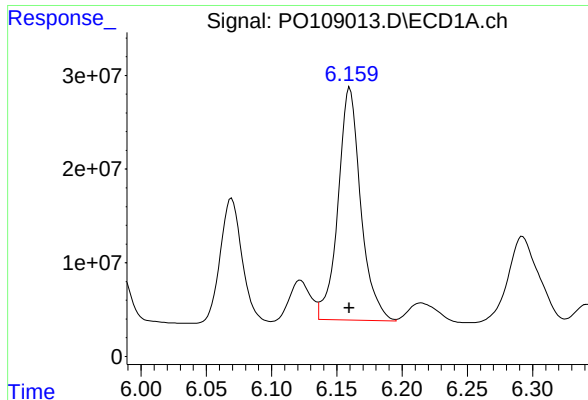
#27 AR-1254-2

R.T.: 5.754 min  
Delta R.T.: 0.000 min  
Response: 190913347  
Conc: 527.64 ng/ml



#27 AR-1254-2

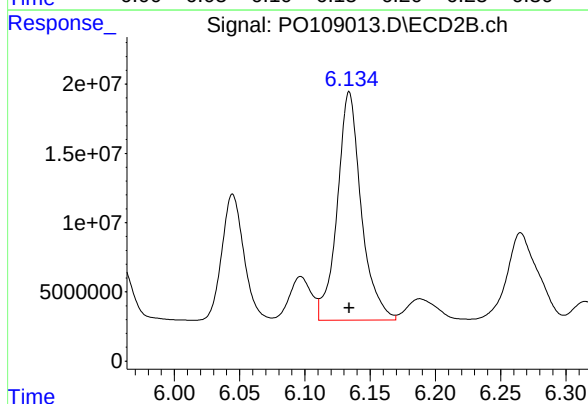
R.T.: 5.731 min  
Delta R.T.: 0.000 min  
Response: 132415451  
Conc: 529.11 ng/ml



#28 AR-1254-3

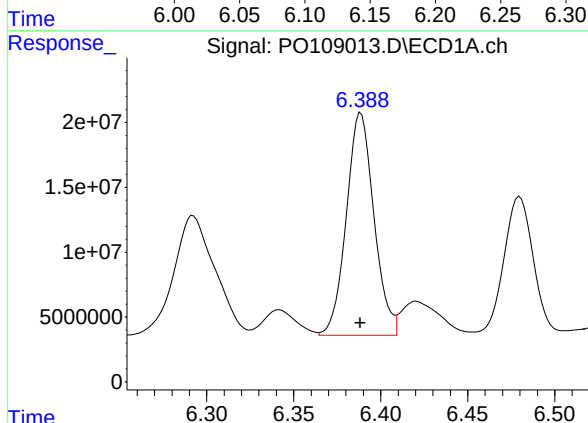
R.T.: 6.160 min  
Delta R.T.: 0.000 min  
Response: 301357810  
Conc: 534.21 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254



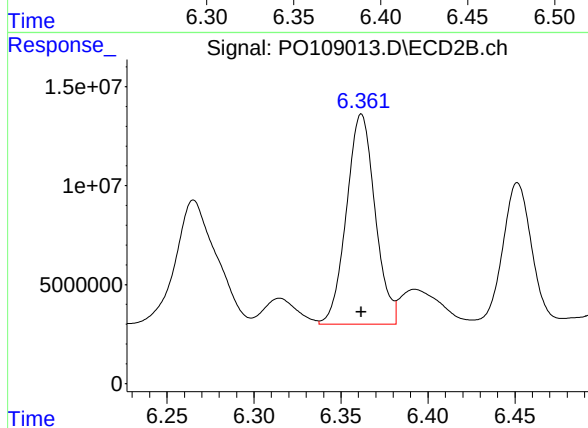
#28 AR-1254-3

R.T.: 6.134 min  
Delta R.T.: 0.000 min  
Response: 210939446  
Conc: 536.98 ng/ml



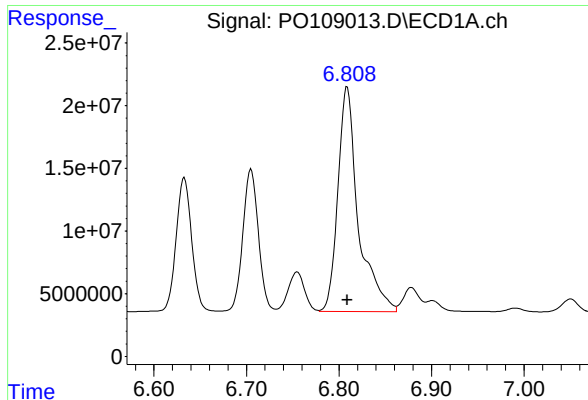
#29 AR-1254-4

R.T.: 6.389 min  
Delta R.T.: 0.000 min  
Response: 189918538  
Conc: 551.09 ng/ml



#29 AR-1254-4

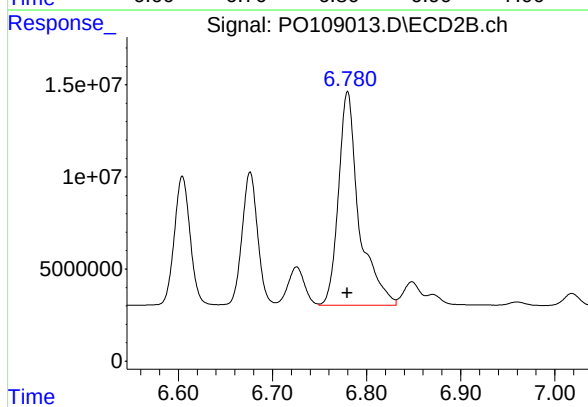
R.T.: 6.362 min  
Delta R.T.: 0.000 min  
Response: 121525707  
Conc: 551.51 ng/ml



#30 AR-1254-5

R.T.: 6.809 min  
Delta R.T.: 0.000 min  
Response: 275096886  
Conc: 536.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1254



#30 AR-1254-5

R.T.: 6.780 min  
Delta R.T.: 0.000 min  
Response: 175927006  
Conc: 538.47 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012125\  
Data File : P0109014.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 03:21  
Operator : YP/AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 03:38:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 412.1E6  | 290.3E6  | 53.781  | 53.514  |
| 2) SA Decachlor...          | 8.760 | 8.711 | 599.5E6  | 295.5E6  | 52.361  | 52.561  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.636 | 7.602 | 556.1E6  | 329.5E6  | 522.316 | 523.466 |
| 42) L9 AR-1268-2            | 7.701 | 7.666 | 511.4E6  | 301.9E6  | 527.665 | 528.626 |
| 43) L9 AR-1268-3            | 7.910 | 7.875 | 425.4E6  | 242.8E6  | 528.139 | 527.088 |
| 44) L9 AR-1268-4            | 8.197 | 8.158 | 180.5E6  | 96119117 | 526.938 | 532.480 |
| 45) L9 AR-1268-5            | 8.496 | 8.452 | 1283.2E6 | 640.7E6  | 536.586 | 535.418 |
| -----                       |       |       |          |          |         |         |

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

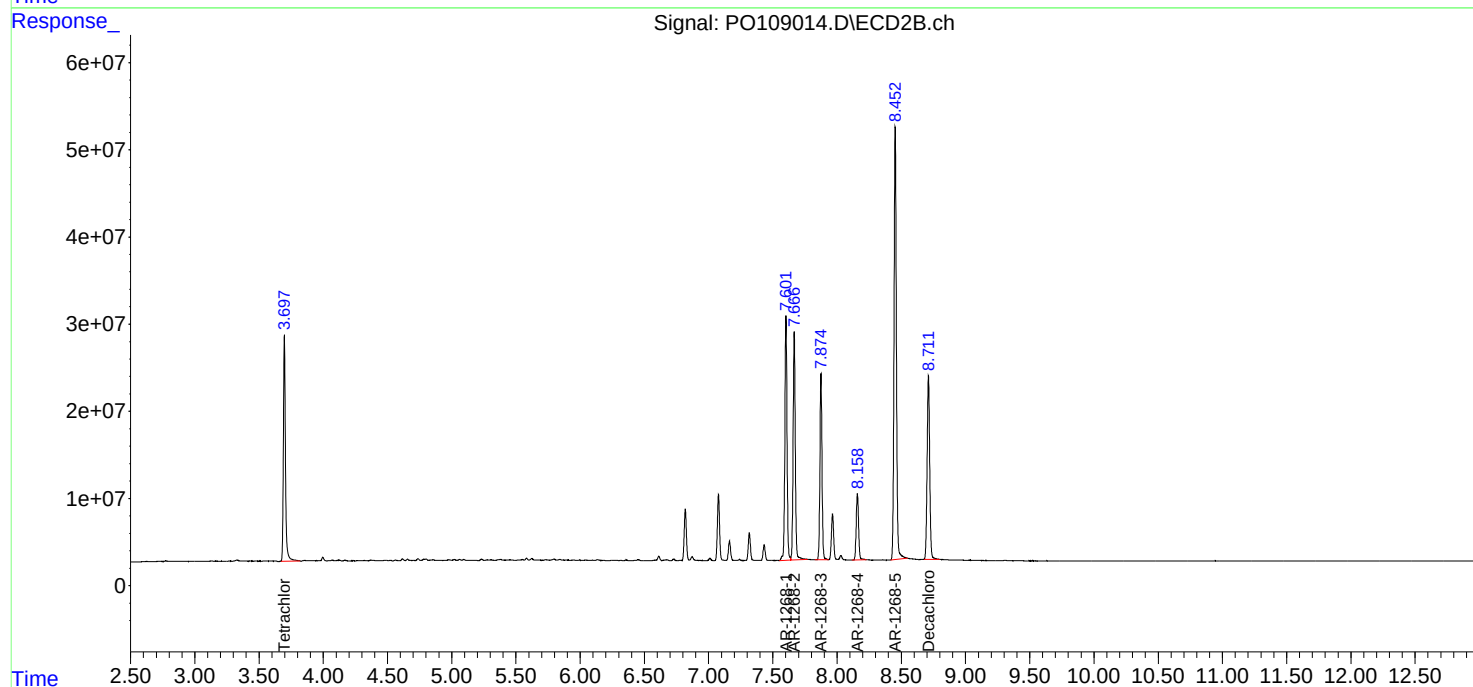
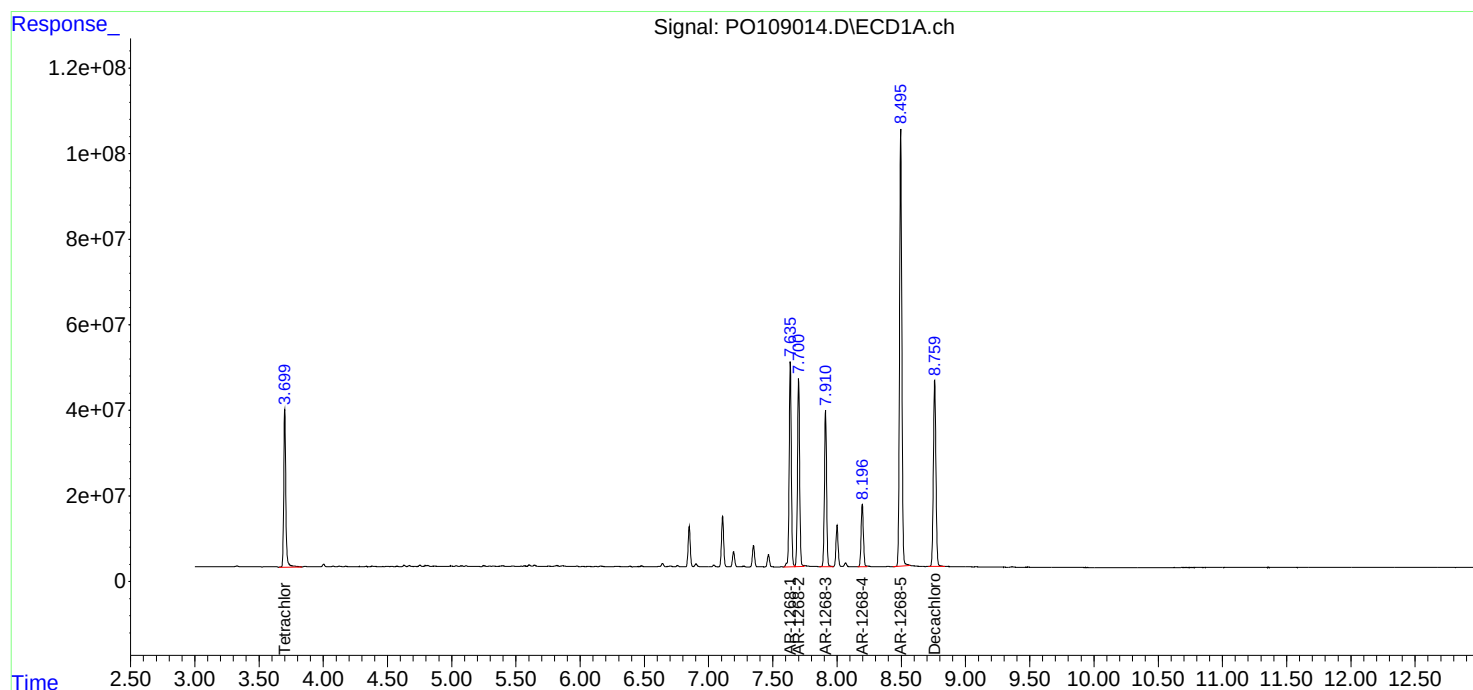


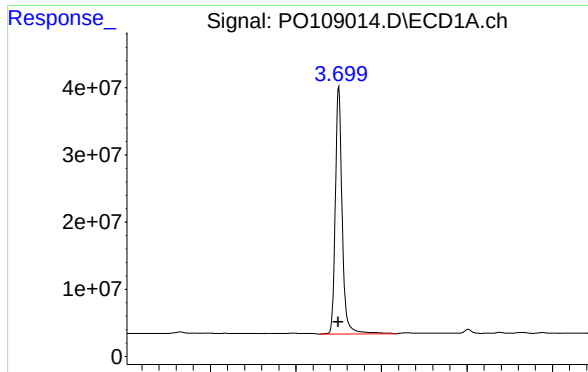
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO109014.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Jan 2025 03:21  
Operator : YP/AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 03:38:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

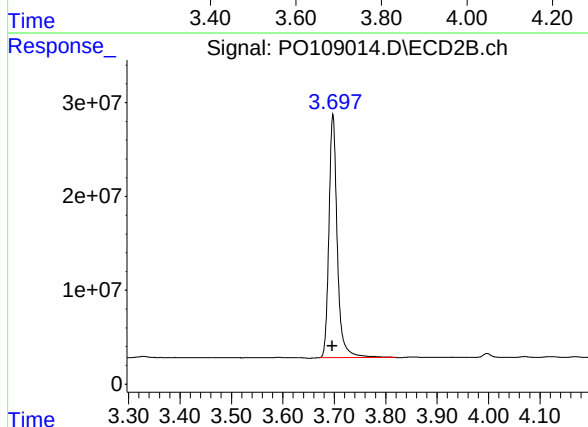




## #1 Tetrachloro-m-xylene

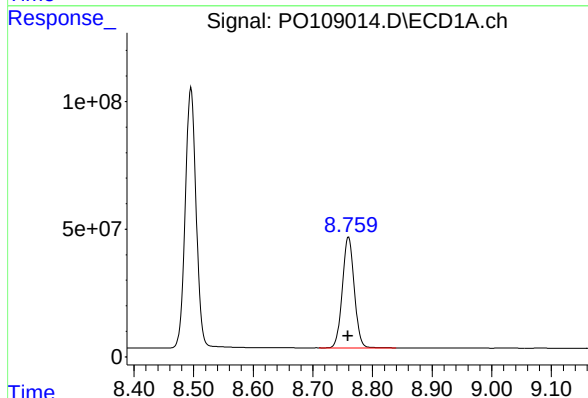
R.T.: 3.700 min  
Delta R.T.: 0.001 min  
Response: 412139252  
Conc: 53.78 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1268



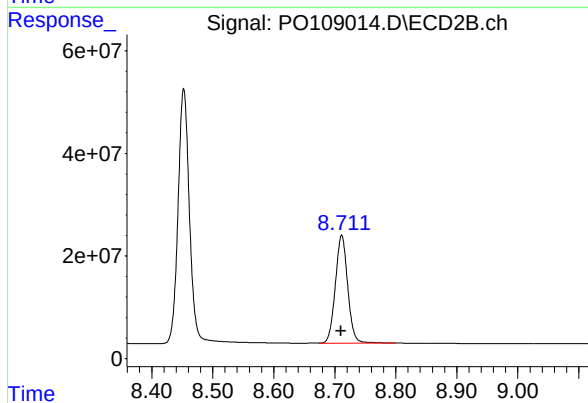
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.001 min  
Response: 290335201  
Conc: 53.51 ng/ml



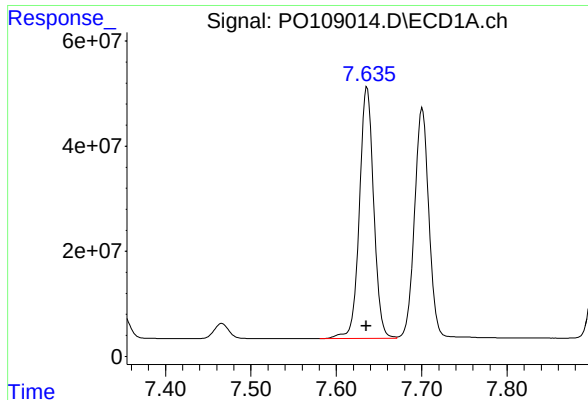
## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.000 min  
Response: 599549867  
Conc: 52.36 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: 0.001 min  
Response: 295522095  
Conc: 52.56 ng/ml



#41 AR-1268-1

R.T.: 7.636 min

Delta R.T.: 0.000 min

Response: 556115970

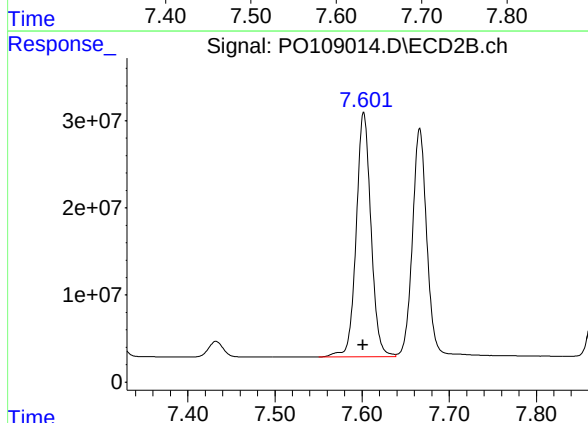
Conc: 522.32 ng/ml

Instrument :

ECD\_O

ClientSampleId :

ICVPO012125AR1268



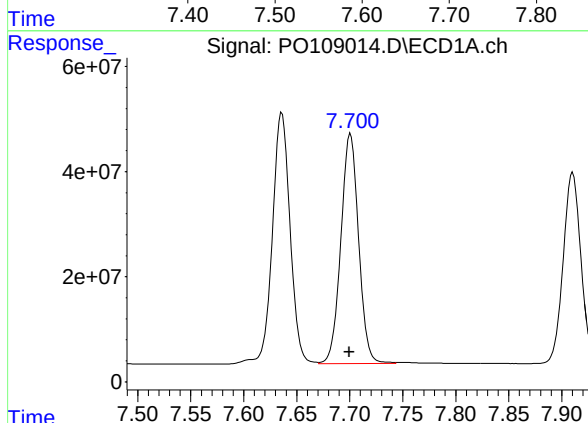
#41 AR-1268-1

R.T.: 7.602 min

Delta R.T.: 0.001 min

Response: 329523072

Conc: 523.47 ng/ml



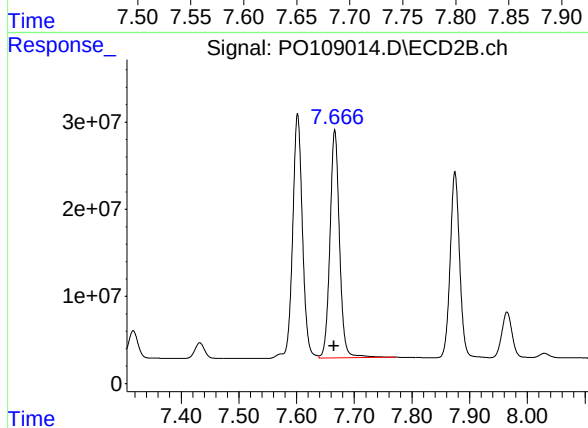
#42 AR-1268-2

R.T.: 7.701 min

Delta R.T.: 0.001 min

Response: 511365818

Conc: 527.66 ng/ml



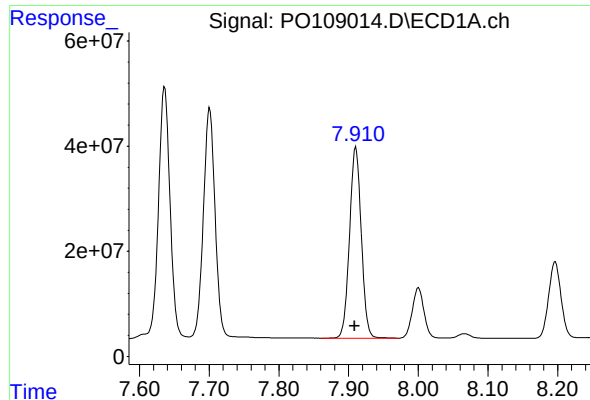
#42 AR-1268-2

R.T.: 7.666 min

Delta R.T.: 0.000 min

Response: 301911808

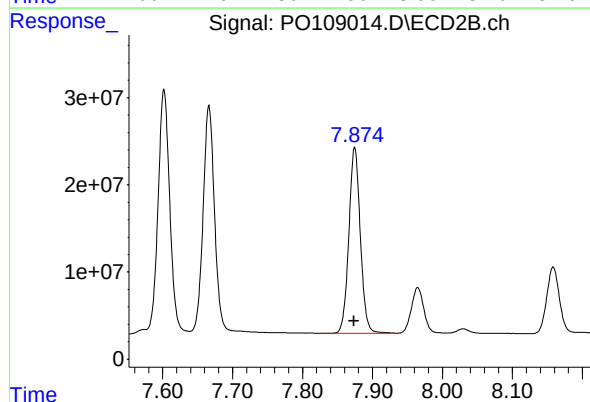
Conc: 528.63 ng/ml



#43 AR-1268-3

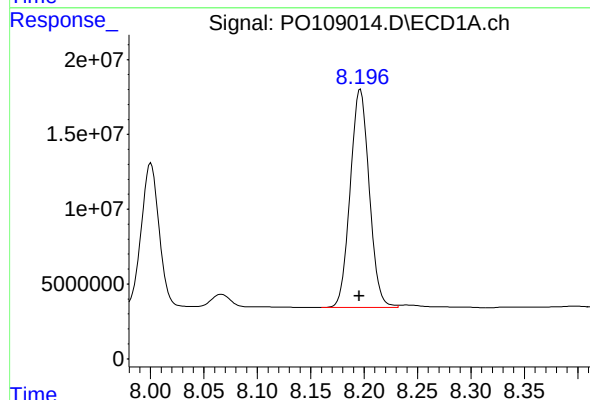
R.T.: 7.910 min  
Delta R.T.: 0.001 min  
Response: 425449759  
Conc: 528.14 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO012125AR1268



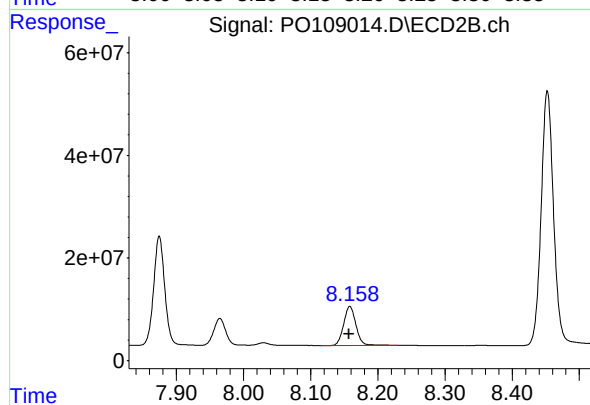
#43 AR-1268-3

R.T.: 7.875 min  
Delta R.T.: 0.001 min  
Response: 242762093  
Conc: 527.09 ng/ml



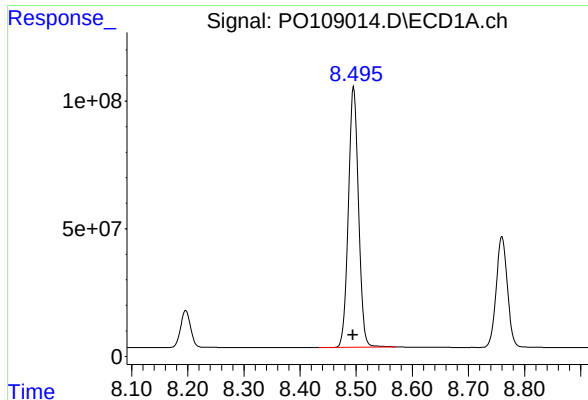
#44 AR-1268-4

R.T.: 8.197 min  
Delta R.T.: 0.000 min  
Response: 180512862  
Conc: 526.94 ng/ml



#44 AR-1268-4

R.T.: 8.158 min  
Delta R.T.: 0.001 min  
Response: 96119117  
Conc: 532.48 ng/ml



#45 AR-1268-5

R.T.: 8.496 min

Delta R.T.: 0.000 min

Response: 1283184601

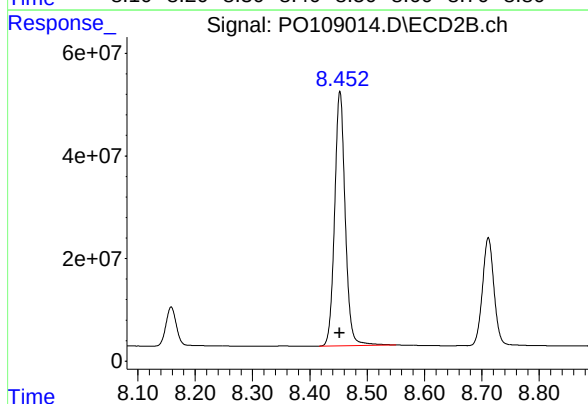
Conc: 536.59 ng/ml

Instrument :

ECD\_O

ClientSampleId :

ICVPO012125AR1268



#45 AR-1268-5

R.T.: 8.452 min

Delta R.T.: 0.000 min

Response: 640710772

Conc: 535.42 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.80       | 4.80      | 4.70      | 4.90 | 0.00       |
| Aroclor-1016-2       | (2) | 4.82       | 4.81      | 4.71      | 4.91 | -0.01      |
| Aroclor-1016-3       | (3) | 4.87       | 4.87      | 4.77      | 4.97 | 0.00       |
| Aroclor-1016-4       | (4) | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |
| Aroclor-1016-5       | (5) | 5.25       | 5.25      | 5.15      | 5.35 | 0.00       |
| Aroclor-1260-1       | (1) | 6.29       | 6.29      | 6.19      | 6.39 | 0.00       |
| Aroclor-1260-2       | (2) | 6.48       | 6.48      | 6.38      | 6.58 | 0.00       |
| Aroclor-1260-3       | (3) | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Aroclor-1260-4       | (4) | 7.11       | 7.11      | 7.01      | 7.21 | 0.00       |
| Aroclor-1260-5       | (5) | 7.35       | 7.35      | 7.25      | 7.45 | 0.00       |
| Tetrachloro-m-xylene |     | 3.70       | 3.70      | 3.60      | 3.80 | 0.00       |
| Decachlorobiphenyl   |     | 8.76       | 8.76      | 8.66      | 8.86 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 11:53 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.78       | 4.80      | 4.70      | 4.90 | 0.02       |
| Aroclor-1016-2       | (2) | 4.80       | 4.82      | 4.72      | 4.92 | 0.02       |
| Aroclor-1016-3       | (3) | 4.98       | 5.00      | 4.90      | 5.10 | 0.02       |
| Aroclor-1016-4       | (4) | 5.02       | 5.04      | 4.94      | 5.14 | 0.02       |
| Aroclor-1016-5       | (5) | 5.23       | 5.25      | 5.15      | 5.35 | 0.02       |
| Aroclor-1260-1       | (1) | 6.27       | 6.29      | 6.19      | 6.39 | 0.02       |
| Aroclor-1260-2       | (2) | 6.45       | 6.47      | 6.37      | 6.57 | 0.02       |
| Aroclor-1260-3       | (3) | 6.61       | 6.63      | 6.53      | 6.73 | 0.02       |
| Aroclor-1260-4       | (4) | 7.08       | 7.10      | 7.00      | 7.20 | 0.02       |
| Aroclor-1260-5       | (5) | 7.32       | 7.34      | 7.24      | 7.44 | 0.02       |
| Tetrachloro-m-xylene |     | 3.70       | 3.72      | 3.62      | 3.82 | 0.02       |
| Decachlorobiphenyl   |     | 8.72       | 8.73      | 8.63      | 8.83 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109224.D Time Analyzed: 11:53

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-----|
| Aroclor-1016-1       | 4.795 | 4.695                | 4.895 | 537.920            | 500.000           | 7.6 |
| Aroclor-1016-2       | 4.815 | 4.714                | 4.914 | 537.190            | 500.000           | 7.4 |
| Aroclor-1016-3       | 4.872 | 4.770                | 4.970 | 534.470            | 500.000           | 6.9 |
| Aroclor-1016-4       | 4.993 | 4.891                | 5.091 | 539.610            | 500.000           | 7.9 |
| Aroclor-1016-5       | 5.250 | 5.149                | 5.349 | 532.740            | 500.000           | 6.5 |
| Aroclor-1260-1       | 6.294 | 6.190                | 6.390 | 523.850            | 500.000           | 4.8 |
| Aroclor-1260-2       | 6.482 | 6.379                | 6.579 | 520.770            | 500.000           | 4.2 |
| Aroclor-1260-3       | 6.851 | 6.747                | 6.947 | 524.120            | 500.000           | 4.8 |
| Aroclor-1260-4       | 7.112 | 7.008                | 7.208 | 526.960            | 500.000           | 5.4 |
| Aroclor-1260-5       | 7.353 | 7.249                | 7.449 | 528.070            | 500.000           | 5.6 |
| Decachlorobiphenyl   | 8.764 | 8.658                | 8.858 | 52.620             | 50.000            | 5.2 |
| Tetrachloro-m-xylene | 3.700 | 3.600                | 3.800 | 53.800             | 50.000            | 7.6 |





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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL01 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109224.D Time Analyzed: 11:53

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.782 | 4.703                | 4.903 | 562.120            | 500.000           | 12.4 |
| Aroclor-1016-2       | 4.801 | 4.722                | 4.922 | 506.190            | 500.000           | 1.2  |
| Aroclor-1016-3       | 4.976 | 4.898                | 5.098 | 526.530            | 500.000           | 5.3  |
| Aroclor-1016-4       | 5.019 | 4.940                | 5.140 | 524.730            | 500.000           | 4.9  |
| Aroclor-1016-5       | 5.232 | 5.153                | 5.353 | 522.620            | 500.000           | 4.5  |
| Aroclor-1260-1       | 6.267 | 6.186                | 6.386 | 515.120            | 500.000           | 3.0  |
| Aroclor-1260-2       | 6.454 | 6.373                | 6.573 | 508.150            | 500.000           | 1.6  |
| Aroclor-1260-3       | 6.608 | 6.527                | 6.727 | 511.800            | 500.000           | 2.4  |
| Aroclor-1260-4       | 7.080 | 6.999                | 7.199 | 511.760            | 500.000           | 2.4  |
| Aroclor-1260-5       | 7.320 | 7.239                | 7.439 | 509.550            | 500.000           | 1.9  |
| Decachlorobiphenyl   | 8.715 | 8.633                | 8.833 | 49.550             | 50.000            | -0.9 |
| Tetrachloro-m-xylene | 3.697 | 3.618                | 3.818 | 54.550             | 50.000            | 9.1  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109224.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 11:53  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 14:28:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|---------|----------|---------|----------|
| -----                       |       |       |         |          |         |          |
| System Monitoring Compounds |       |       |         |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 406.5E6 | 292.4E6  | 53.797  | 54.548   |
| 2) SA Decachlor...          | 8.764 | 8.715 | 364.6E6 | 170.4E6  | 52.622  | 49.554   |
| Target Compounds            |       |       |         |          |         |          |
| 3) L1 AR-1016-1             | 4.795 | 4.782 | 135.7E6 | 91017351 | 537.917 | 562.120m |
| 4) L1 AR-1016-2             | 4.815 | 4.801 | 185.3E6 | 120.6E6  | 537.190 | 506.189m |
| 5) L1 AR-1016-3             | 4.872 | 4.976 | 130.5E6 | 68647827 | 534.467 | 526.530m |
| 6) L1 AR-1016-4             | 4.993 | 5.019 | 103.0E6 | 57992941 | 539.611 | 524.735  |
| 7) L1 AR-1016-5             | 5.250 | 5.232 | 111.2E6 | 75018507 | 532.742 | 522.621m |
| 31) L7 AR-1260-1            | 6.294 | 6.267 | 199.7E6 | 129.8E6  | 523.851 | 515.124  |
| 32) L7 AR-1260-2            | 6.482 | 6.454 | 244.5E6 | 152.9E6  | 520.771 | 508.153  |
| 33) L7 AR-1260-3            | 6.851 | 6.608 | 205.2E6 | 142.5E6  | 524.118 | 511.804  |
| 34) L7 AR-1260-4            | 7.112 | 7.080 | 188.6E6 | 115.5E6  | 526.957 | 511.763m |
| 35) L7 AR-1260-5            | 7.353 | 7.320 | 440.7E6 | 255.1E6  | 528.073 | 509.549  |
| -----                       |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109224.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 11:53  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660CCC500

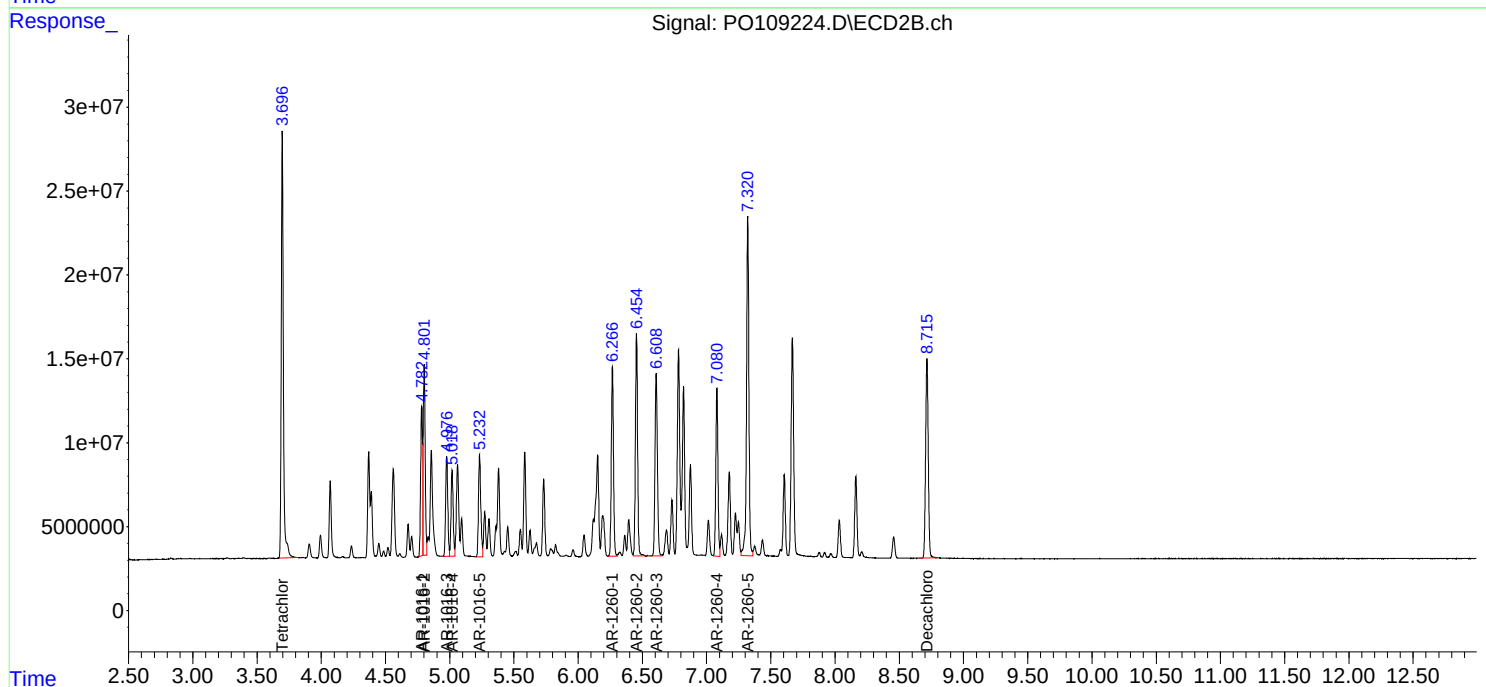
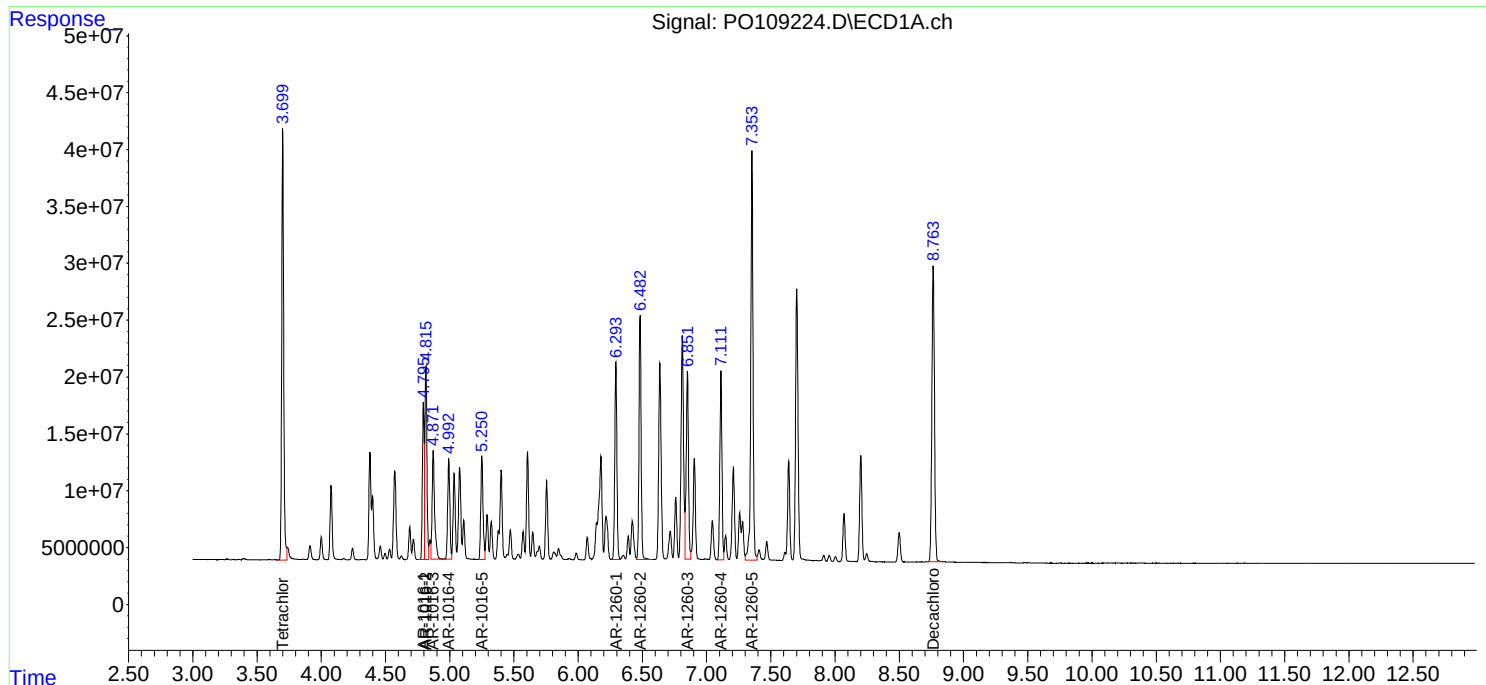
## Manual Integrations

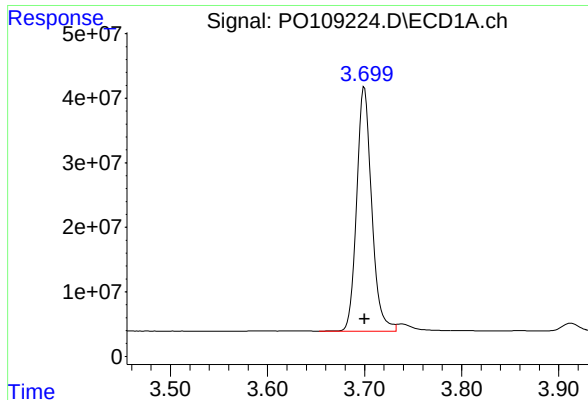
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 14:28:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 406515976  
Conc: 53.80 ng/ml

Instrument :

ECD\_O

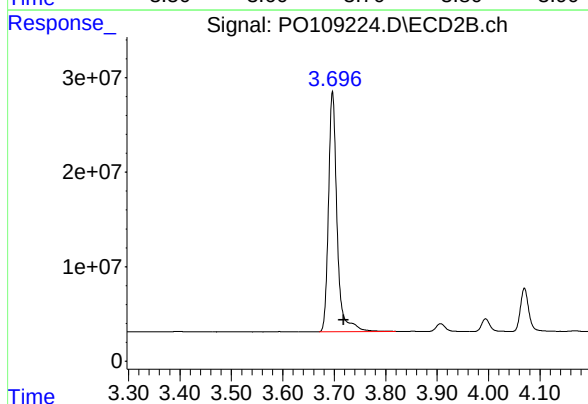
ClientSampleId :

AR1660CCC500

## Manual Integrations

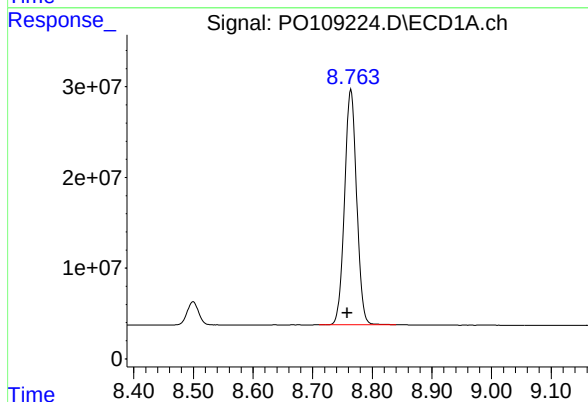
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



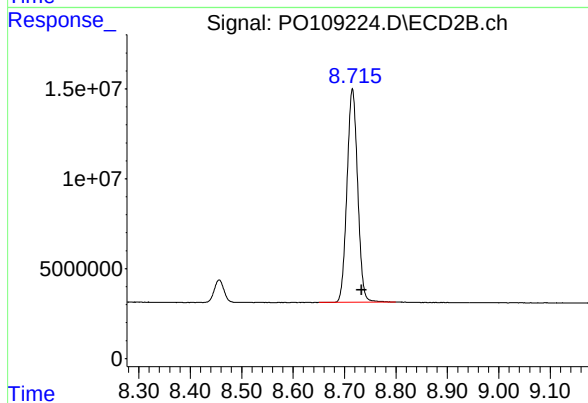
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.022 min  
Response: 292395527  
Conc: 54.55 ng/ml



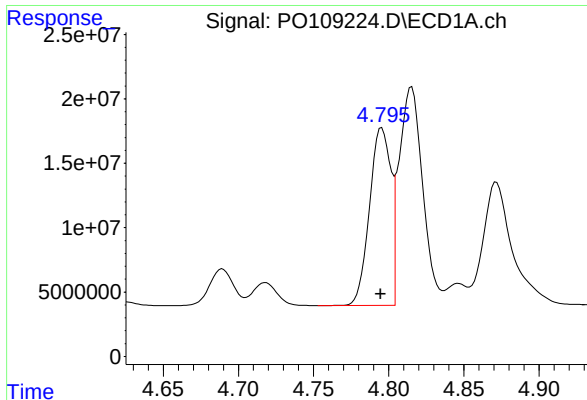
## #2 Decachlorobiphenyl

R.T.: 8.764 min  
Delta R.T.: 0.006 min  
Response: 364551712  
Conc: 52.62 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.715 min  
Delta R.T.: -0.018 min  
Response: 170402314  
Conc: 49.55 ng/ml



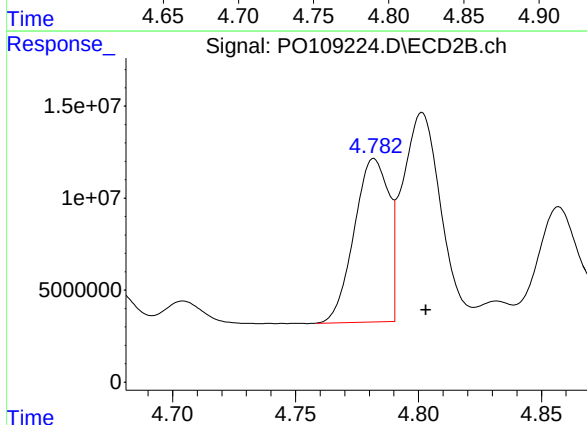
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 135709272  
Conc: 537.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

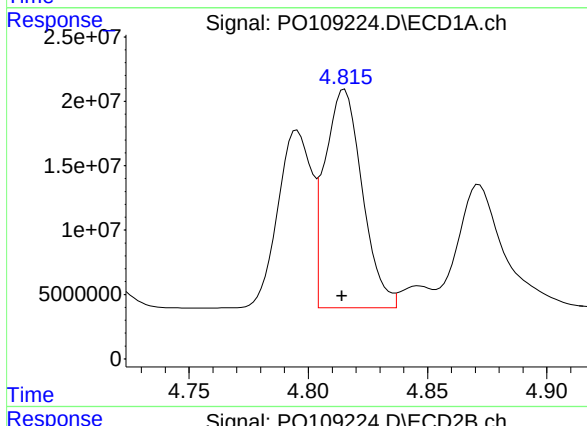
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



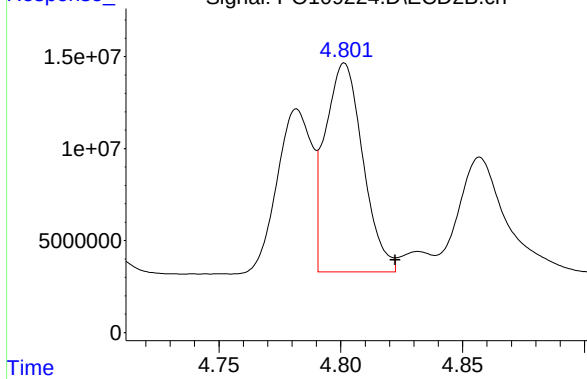
#3 AR-1016-1

R.T.: 4.782 min  
Delta R.T.: -0.021 min  
Response: 91017351  
Conc: 562.12 ng/ml



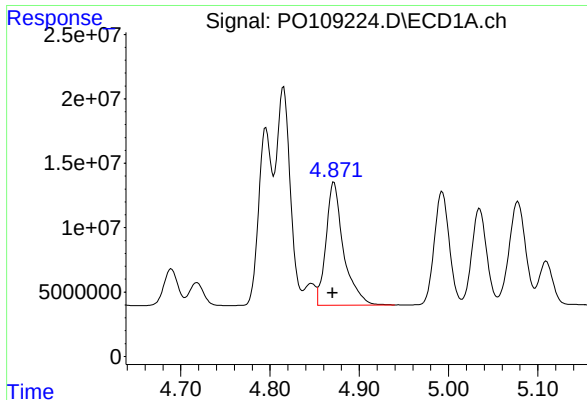
#4 AR-1016-2

R.T.: 4.815 min  
Delta R.T.: 0.001 min  
Response: 185268670  
Conc: 537.19 ng/ml



#4 AR-1016-2

R.T.: 4.801 min  
Delta R.T.: -0.021 min  
Response: 120592556  
Conc: 506.19 ng/ml



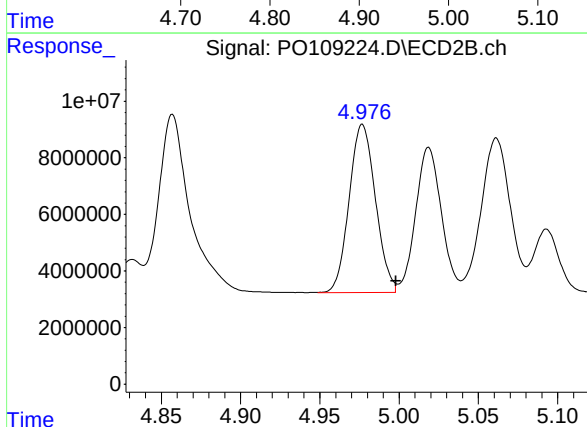
#5 AR-1016-3

R.T.: 4.872 min  
Delta R.T.: 0.002 min  
Response: 130472292  
Conc: 534.47 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

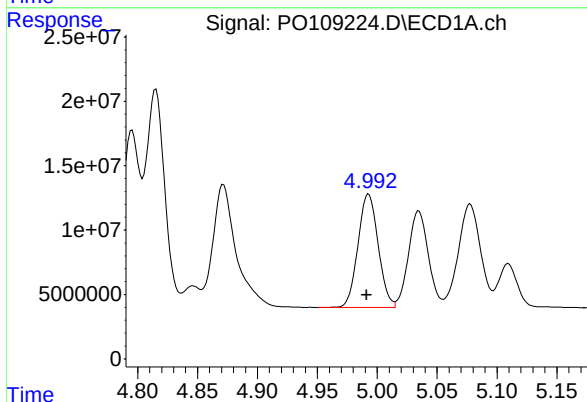
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



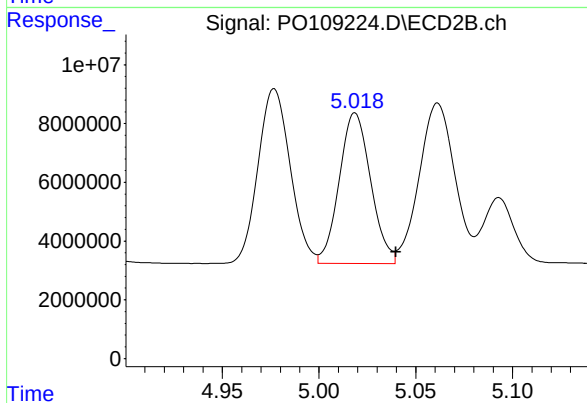
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 68647827  
Conc: 526.53 ng/ml



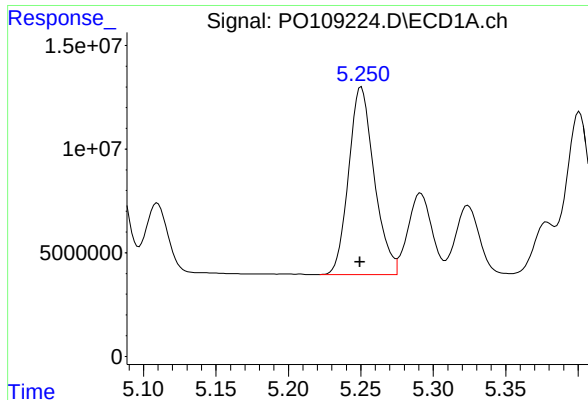
#6 AR-1016-4

R.T.: 4.993 min  
Delta R.T.: 0.002 min  
Response: 102973532  
Conc: 539.61 ng/ml



#6 AR-1016-4

R.T.: 5.019 min  
Delta R.T.: -0.021 min  
Response: 57992941  
Conc: 524.73 ng/ml



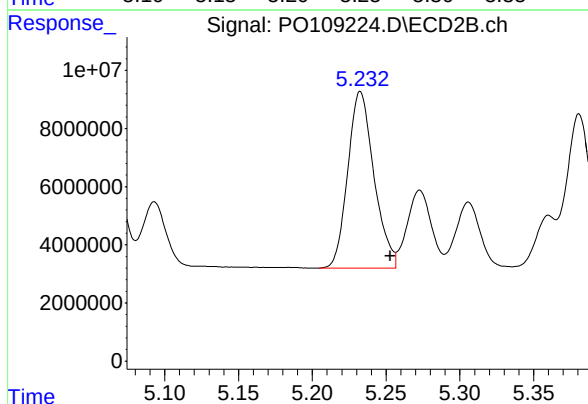
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 111216106  
Conc: 532.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

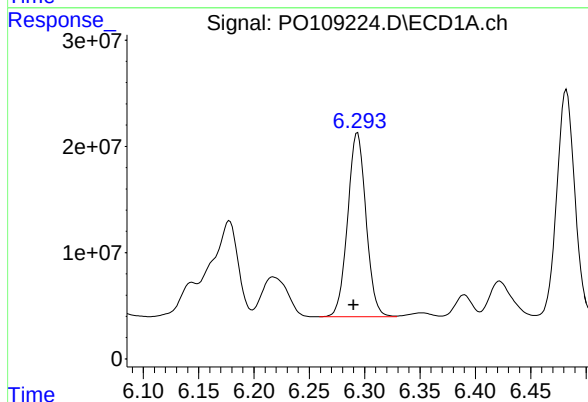
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



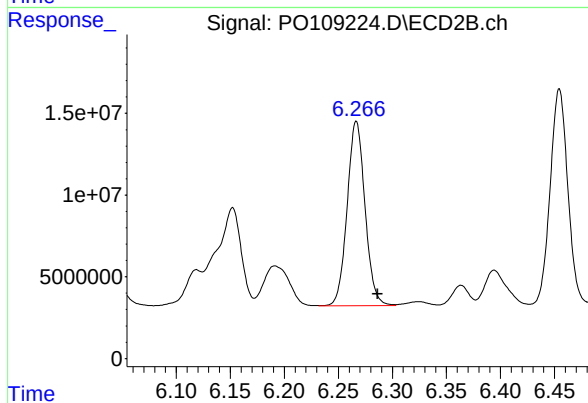
#7 AR-1016-5

R.T.: 5.232 min  
Delta R.T.: -0.021 min  
Response: 75018507  
Conc: 522.62 ng/ml



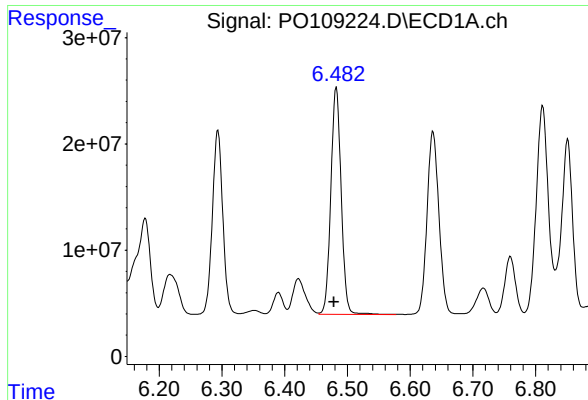
#31 AR-1260-1

R.T.: 6.294 min  
Delta R.T.: 0.003 min  
Response: 199668701  
Conc: 523.85 ng/ml



#31 AR-1260-1

R.T.: 6.267 min  
Delta R.T.: -0.020 min  
Response: 129836441  
Conc: 515.12 ng/ml



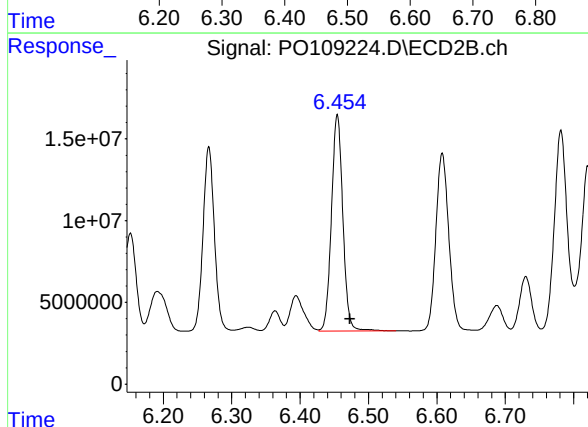
#32 AR-1260-2

R.T.: 6.482 min  
Delta R.T.: 0.004 min  
Response: 244543870  
Conc: 520.77 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

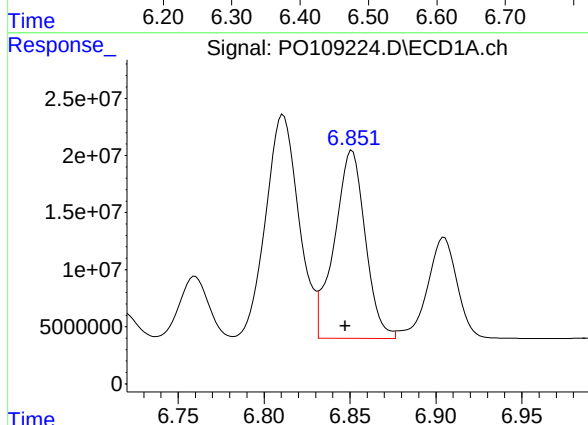
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



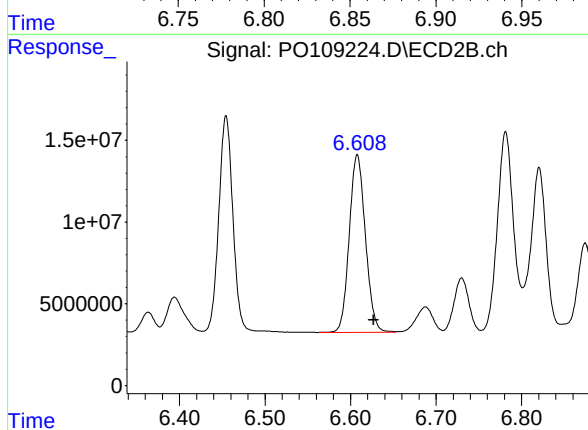
#32 AR-1260-2

R.T.: 6.454 min  
Delta R.T.: -0.019 min  
Response: 152854572  
Conc: 508.15 ng/ml



#33 AR-1260-3

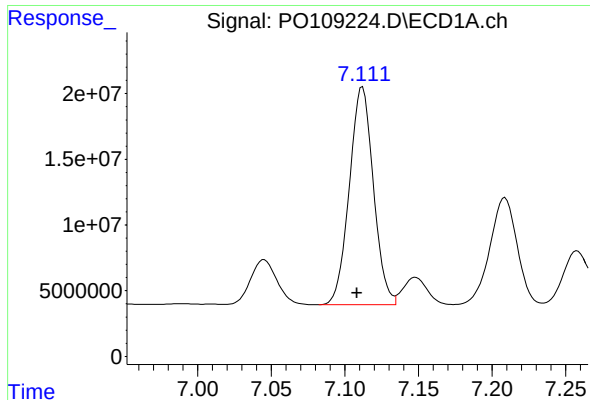
R.T.: 6.851 min  
Delta R.T.: 0.004 min  
Response: 205224626  
Conc: 524.12 ng/ml



#33 AR-1260-3

R.T.: 6.608 min  
Delta R.T.: -0.019 min  
Response: 142478991  
Conc: 511.80 ng/ml





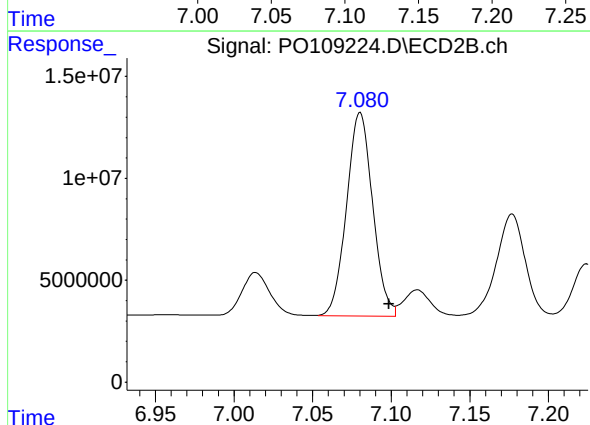
#34 AR-1260-4

R.T.: 7.112 min  
Delta R.T.: 0.004 min  
Response: 188628087  
Conc: 526.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

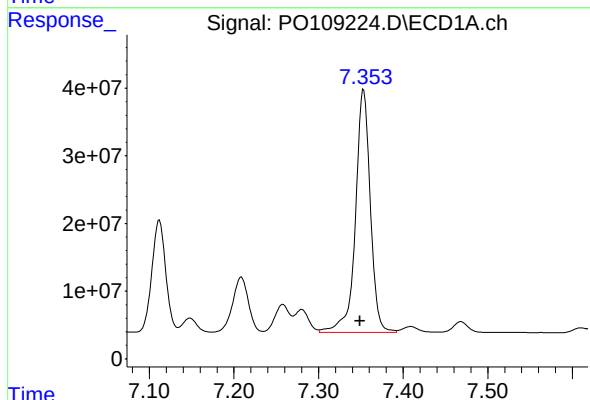
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



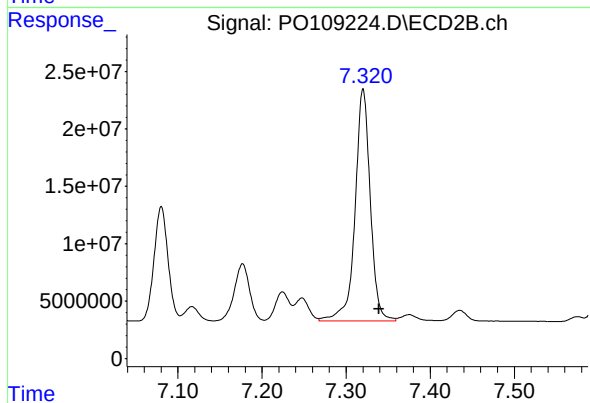
#34 AR-1260-4

R.T.: 7.080 min  
Delta R.T.: -0.019 min  
Response: 115479902  
Conc: 511.76 ng/ml



#35 AR-1260-5

R.T.: 7.353 min  
Delta R.T.: 0.004 min  
Response: 440727888  
Conc: 528.07 ng/ml



#35 AR-1260-5

R.T.: 7.320 min  
Delta R.T.: -0.019 min  
Response: 255121189  
Conc: 509.55 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.80       | 4.80      | 4.70      | 4.90 | 0.00       |
| Aroclor-1016-2       | (2) | 4.82       | 4.81      | 4.71      | 4.91 | -0.01      |
| Aroclor-1016-3       | (3) | 4.87       | 4.87      | 4.77      | 4.97 | 0.00       |
| Aroclor-1016-4       | (4) | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |
| Aroclor-1016-5       | (5) | 5.25       | 5.25      | 5.15      | 5.35 | 0.00       |
| Aroclor-1260-1       | (1) | 6.29       | 6.29      | 6.19      | 6.39 | 0.00       |
| Aroclor-1260-2       | (2) | 6.48       | 6.48      | 6.38      | 6.58 | 0.00       |
| Aroclor-1260-3       | (3) | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Aroclor-1260-4       | (4) | 7.11       | 7.11      | 7.01      | 7.21 | 0.00       |
| Aroclor-1260-5       | (5) | 7.35       | 7.35      | 7.25      | 7.45 | 0.00       |
| Tetrachloro-m-xylene |     | 3.70       | 3.70      | 3.60      | 3.80 | 0.00       |
| Decachlorobiphenyl   |     | 8.76       | 8.76      | 8.66      | 8.86 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/29/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 16:49 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.78       | 4.80      | 4.70      | 4.90 | 0.02       |
| Aroclor-1016-2       | (2) | 4.80       | 4.82      | 4.72      | 4.92 | 0.02       |
| Aroclor-1016-3       | (3) | 4.98       | 5.00      | 4.90      | 5.10 | 0.02       |
| Aroclor-1016-4       | (4) | 5.02       | 5.04      | 4.94      | 5.14 | 0.02       |
| Aroclor-1016-5       | (5) | 5.23       | 5.25      | 5.15      | 5.35 | 0.02       |
| Aroclor-1260-1       | (1) | 6.27       | 6.29      | 6.19      | 6.39 | 0.02       |
| Aroclor-1260-2       | (2) | 6.45       | 6.47      | 6.37      | 6.57 | 0.02       |
| Aroclor-1260-3       | (3) | 6.61       | 6.63      | 6.53      | 6.73 | 0.02       |
| Aroclor-1260-4       | (4) | 7.08       | 7.10      | 7.00      | 7.20 | 0.02       |
| Aroclor-1260-5       | (5) | 7.32       | 7.34      | 7.24      | 7.44 | 0.02       |
| Tetrachloro-m-xylene |     | 3.70       | 3.72      | 3.62      | 3.82 | 0.02       |
| Decachlorobiphenyl   |     | 8.71       | 8.73      | 8.63      | 8.83 | 0.02       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109239.D Time Analyzed: 16:49

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.795 | 4.695                | 4.895 | 548.700            | 500.000           | 9.7  |
| Aroclor-1016-2       | 4.815 | 4.714                | 4.914 | 549.830            | 500.000           | 10.0 |
| Aroclor-1016-3       | 4.871 | 4.770                | 4.970 | 544.000            | 500.000           | 8.8  |
| Aroclor-1016-4       | 4.992 | 4.891                | 5.091 | 546.500            | 500.000           | 9.3  |
| Aroclor-1016-5       | 5.250 | 5.149                | 5.349 | 549.970            | 500.000           | 10.0 |
| Aroclor-1260-1       | 6.292 | 6.190                | 6.390 | 541.430            | 500.000           | 8.3  |
| Aroclor-1260-2       | 6.481 | 6.379                | 6.579 | 533.430            | 500.000           | 6.7  |
| Aroclor-1260-3       | 6.850 | 6.747                | 6.947 | 540.540            | 500.000           | 8.1  |
| Aroclor-1260-4       | 7.110 | 7.008                | 7.208 | 539.260            | 500.000           | 7.9  |
| Aroclor-1260-5       | 7.352 | 7.249                | 7.449 | 539.520            | 500.000           | 7.9  |
| Decachlorobiphenyl   | 8.763 | 8.658                | 8.858 | 53.320             | 50.000            | 6.6  |
| Tetrachloro-m-xylene | 3.700 | 3.600                | 3.800 | 54.500             | 50.000            | 9.0  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL02 Date Analyzed: 01/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO109239.D Time Analyzed: 16:49

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.781 | 4.703                | 4.903 | 523.890            | 500.000           | 4.8  |
| Aroclor-1016-2       | 4.801 | 4.722                | 4.922 | 545.010            | 500.000           | 9.0  |
| Aroclor-1016-3       | 4.976 | 4.898                | 5.098 | 534.620            | 500.000           | 6.9  |
| Aroclor-1016-4       | 5.018 | 4.940                | 5.140 | 524.610            | 500.000           | 4.9  |
| Aroclor-1016-5       | 5.231 | 5.153                | 5.353 | 535.200            | 500.000           | 7.0  |
| Aroclor-1260-1       | 6.266 | 6.186                | 6.386 | 525.330            | 500.000           | 5.1  |
| Aroclor-1260-2       | 6.453 | 6.373                | 6.573 | 521.480            | 500.000           | 4.3  |
| Aroclor-1260-3       | 6.607 | 6.527                | 6.727 | 522.180            | 500.000           | 4.4  |
| Aroclor-1260-4       | 7.079 | 6.999                | 7.199 | 522.690            | 500.000           | 4.5  |
| Aroclor-1260-5       | 7.319 | 7.239                | 7.439 | 522.200            | 500.000           | 4.4  |
| Decachlorobiphenyl   | 8.714 | 8.633                | 8.833 | 49.630             | 50.000            | -0.7 |
| Tetrachloro-m-xylene | 3.697 | 3.618                | 3.818 | 54.990             | 50.000            | 10.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012925\  
 Data File : P0109239.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 16:49  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:01:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|---------|----------|---------|----------|
| -----                       |       |       |         |          |         |          |
| System Monitoring Compounds |       |       |         |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.697 | 411.8E6 | 294.8E6  | 54.496  | 54.991   |
| 2) SA Decachlor...          | 8.763 | 8.714 | 369.4E6 | 170.7E6  | 53.324  | 49.627   |
| Target Compounds            |       |       |         |          |         |          |
| 3) L1 AR-1016-1             | 4.795 | 4.781 | 138.4E6 | 84827743 | 548.704 | 523.893m |
| 4) L1 AR-1016-2             | 4.815 | 4.801 | 189.6E6 | 129.8E6  | 549.832 | 545.006m |
| 5) L1 AR-1016-3             | 4.871 | 4.976 | 132.8E6 | 69702273 | 543.998 | 534.618m |
| 6) L1 AR-1016-4             | 4.992 | 5.018 | 104.3E6 | 57979486 | 546.504 | 524.613m |
| 7) L1 AR-1016-5             | 5.250 | 5.231 | 114.8E6 | 76823812 | 549.973 | 535.197m |
| 31) L7 AR-1260-1            | 6.292 | 6.266 | 206.4E6 | 132.4E6  | 541.430 | 525.325  |
| 32) L7 AR-1260-2            | 6.481 | 6.453 | 250.5E6 | 156.9E6  | 533.435 | 521.483  |
| 33) L7 AR-1260-3            | 6.850 | 6.607 | 211.7E6 | 145.4E6  | 540.543 | 522.184  |
| 34) L7 AR-1260-4            | 7.110 | 7.079 | 193.0E6 | 117.9E6  | 539.256 | 522.694m |
| 35) L7 AR-1260-5            | 7.352 | 7.319 | 450.3E6 | 261.5E6  | 539.521 | 522.204  |
| -----                       |       |       |         |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109239.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 16:49  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

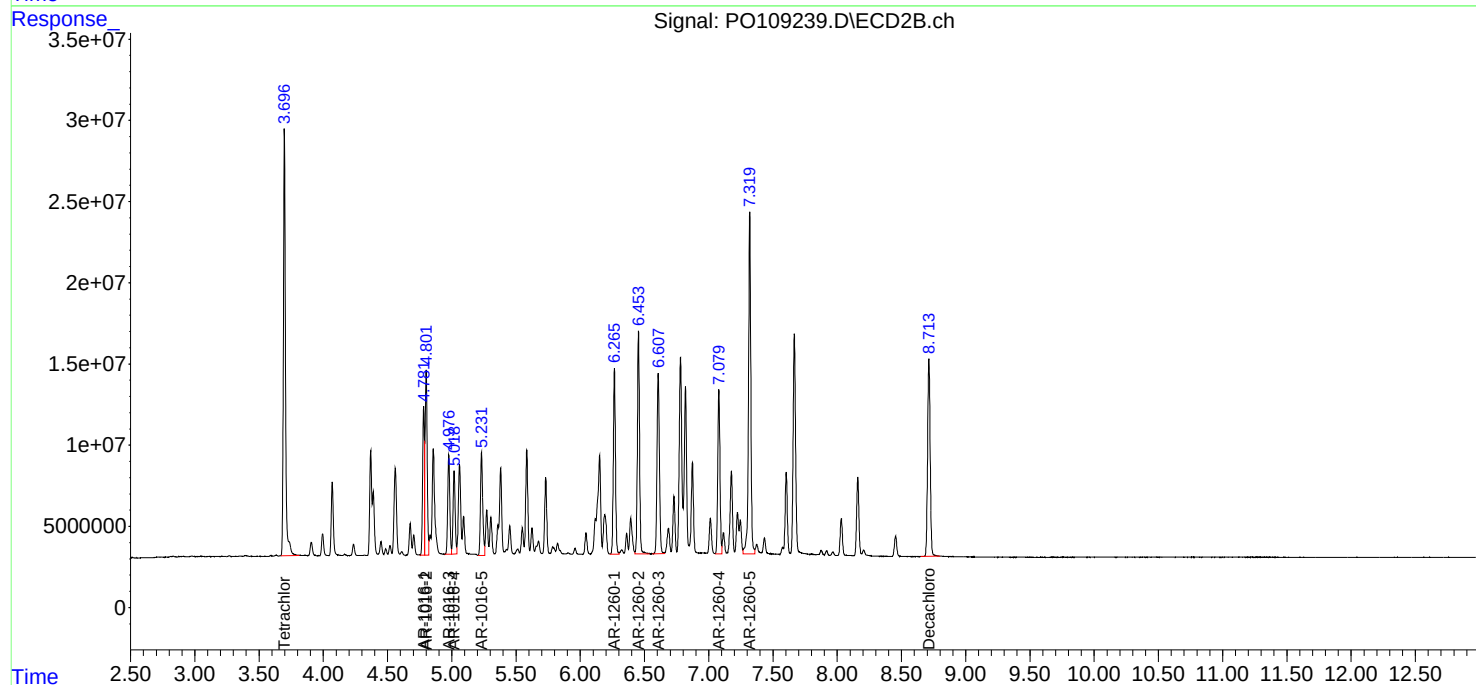
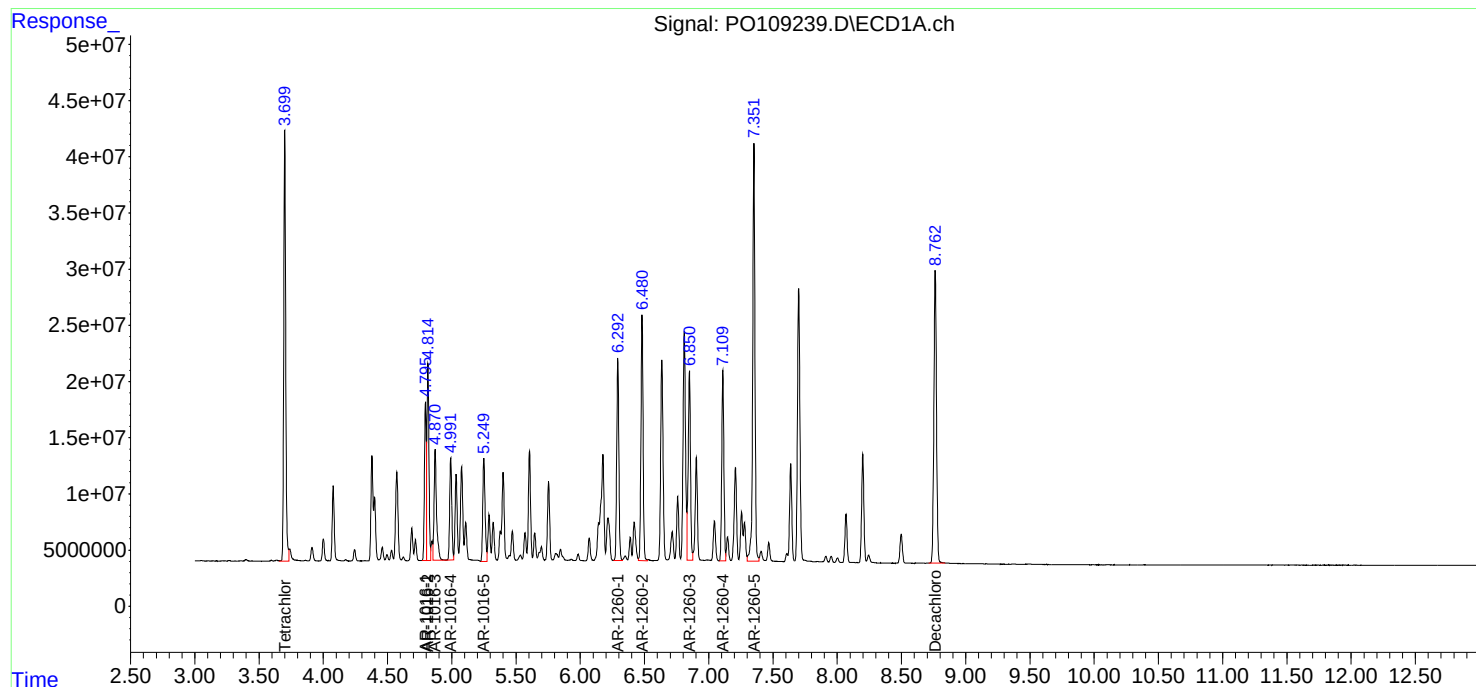
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

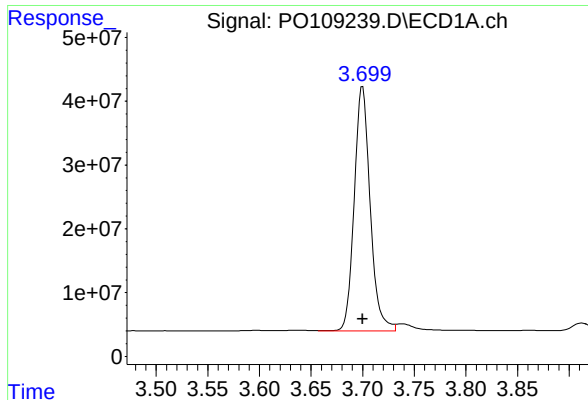
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:01:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 411796131  
Conc: 54.50 ng/ml

Instrument :

ECD\_O

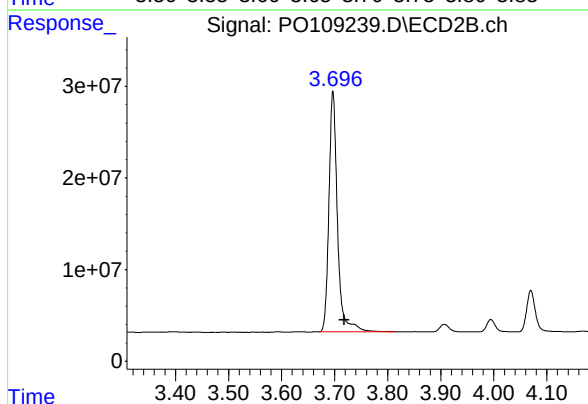
ClientSampleId :

AR1660CCC500

## Manual Integrations

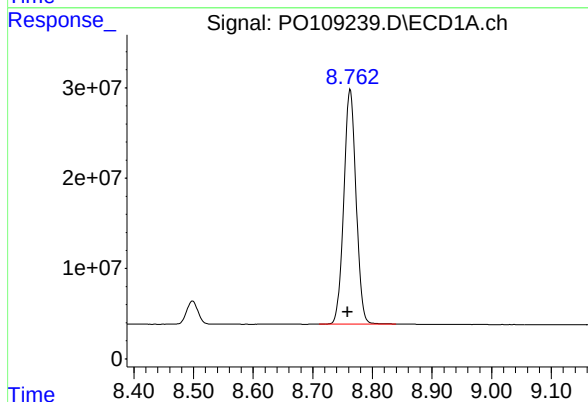
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



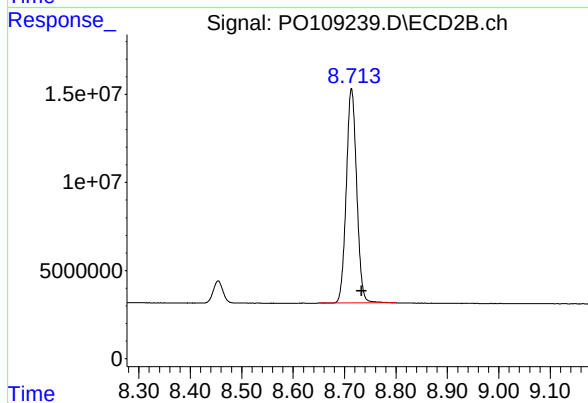
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.022 min  
Response: 294769224  
Conc: 54.99 ng/ml



## #2 Decachlorobiphenyl

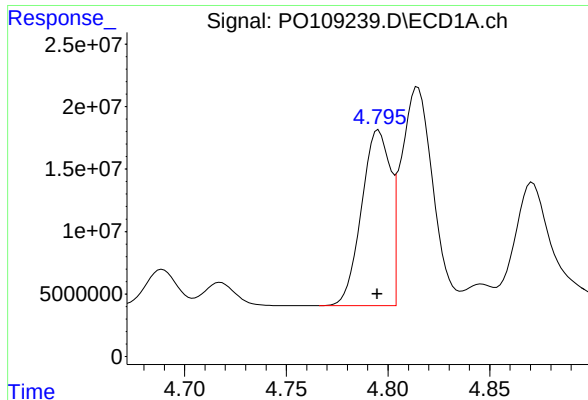
R.T.: 8.763 min  
Delta R.T.: 0.005 min  
Response: 369416221  
Conc: 53.32 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.714 min  
Delta R.T.: -0.019 min  
Response: 170654567  
Conc: 49.63 ng/ml





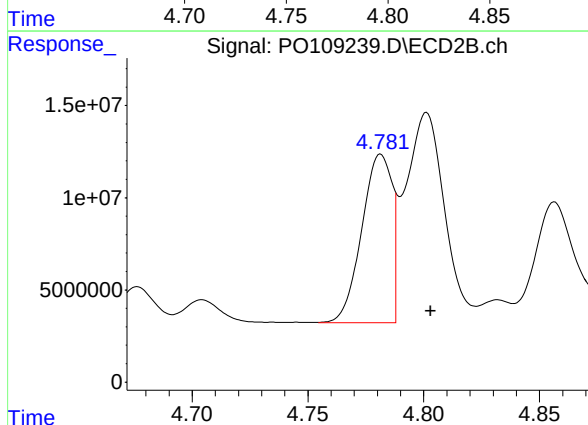
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 138430528  
Conc: 548.70 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

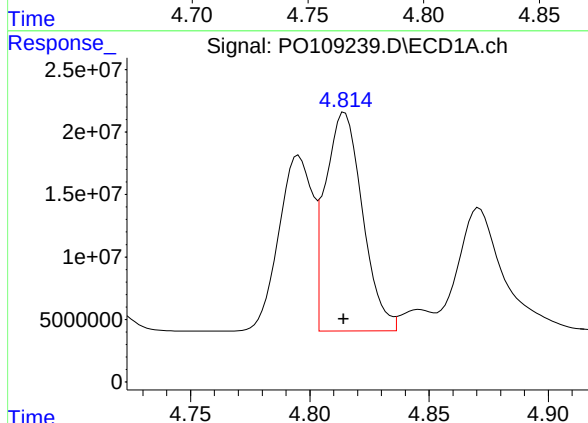
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



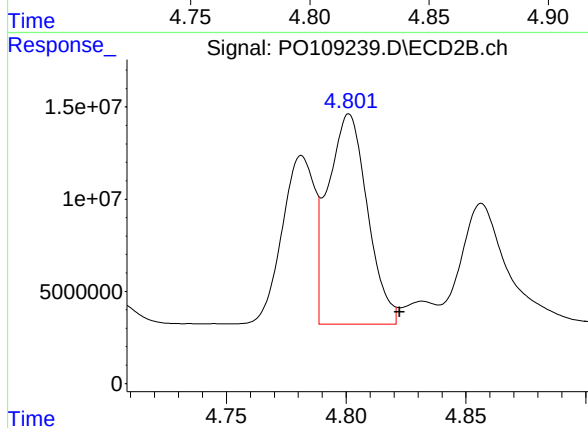
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 84827743  
Conc: 523.89 ng/ml



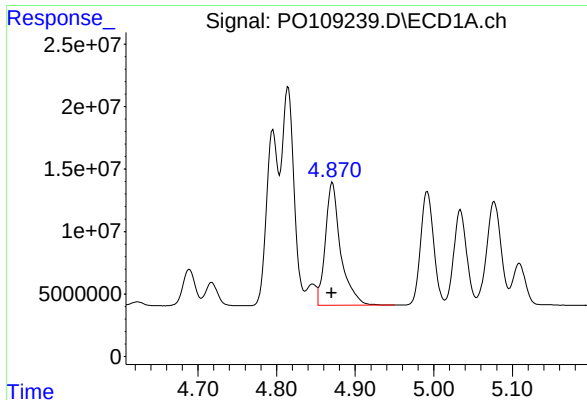
#4 AR-1016-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 189628575  
Conc: 549.83 ng/ml



#4 AR-1016-2

R.T.: 4.801 min  
Delta R.T.: -0.021 min  
Response: 129840098  
Conc: 545.01 ng/ml



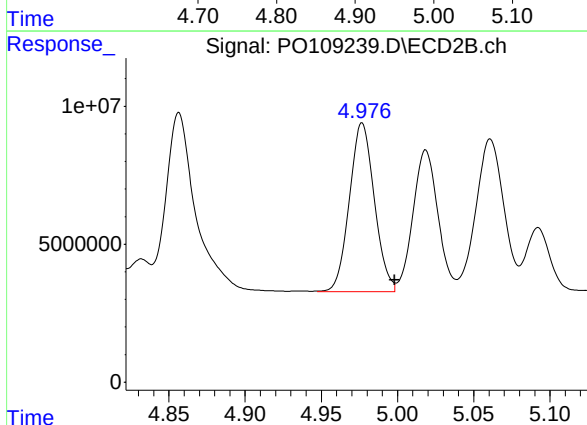
#5 AR-1016-3

R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 132799001  
Conc: 544.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

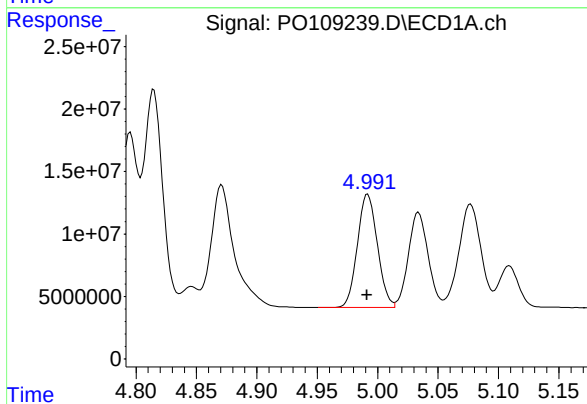
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



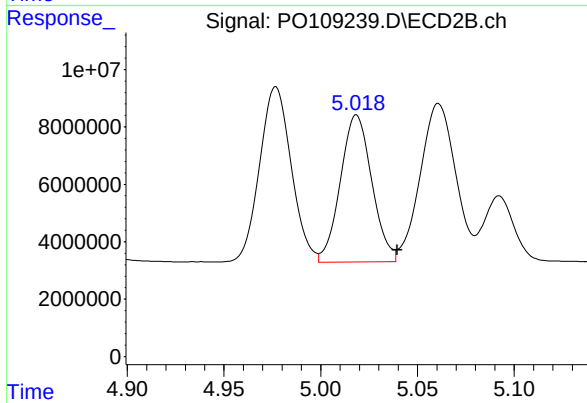
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 69702273  
Conc: 534.62 ng/ml



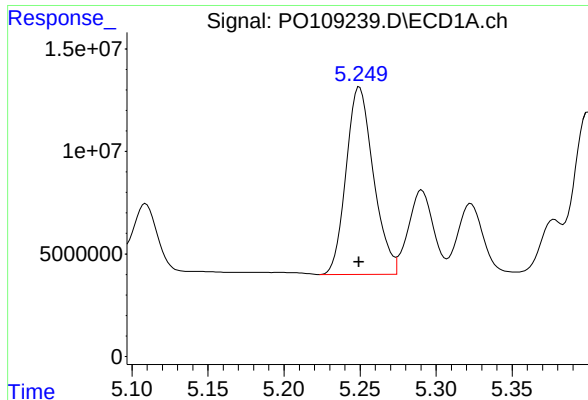
#6 AR-1016-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 104288946  
Conc: 546.50 ng/ml



#6 AR-1016-4

R.T.: 5.018 min  
Delta R.T.: -0.022 min  
Response: 57979486  
Conc: 524.61 ng/ml



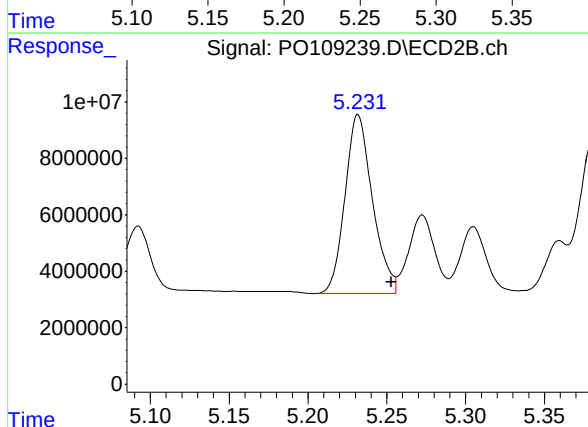
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 114813288  
Conc: 549.97 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

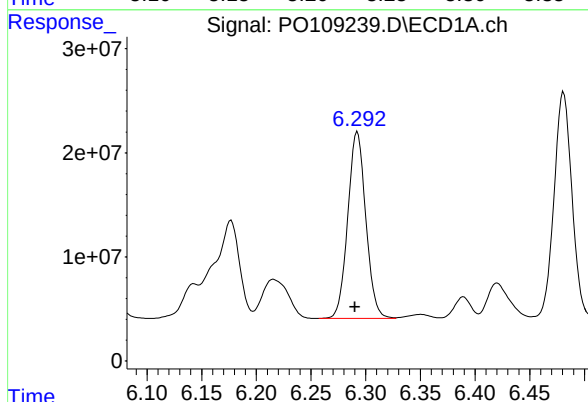
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



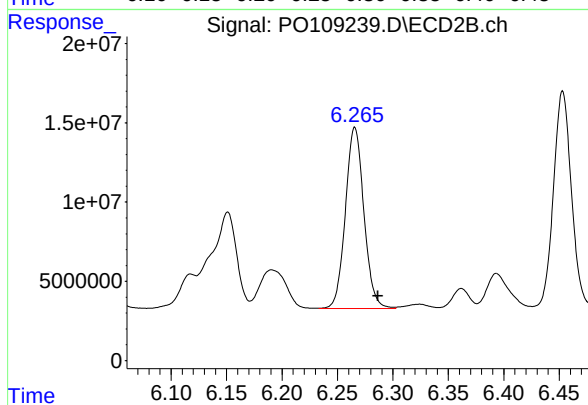
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 76823812  
Conc: 535.20 ng/ml



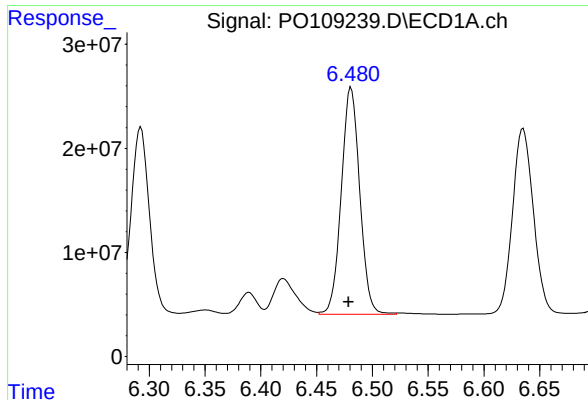
#31 AR-1260-1

R.T.: 6.292 min  
Delta R.T.: 0.002 min  
Response: 206369266  
Conc: 541.43 ng/ml



#31 AR-1260-1

R.T.: 6.266 min  
Delta R.T.: -0.021 min  
Response: 132407641  
Conc: 525.33 ng/ml



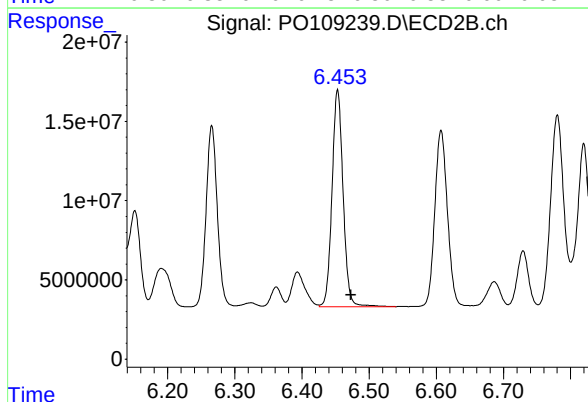
#32 AR-1260-2

R.T.: 6.481 min  
Delta R.T.: 0.002 min  
Response: 250490677  
Conc: 533.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

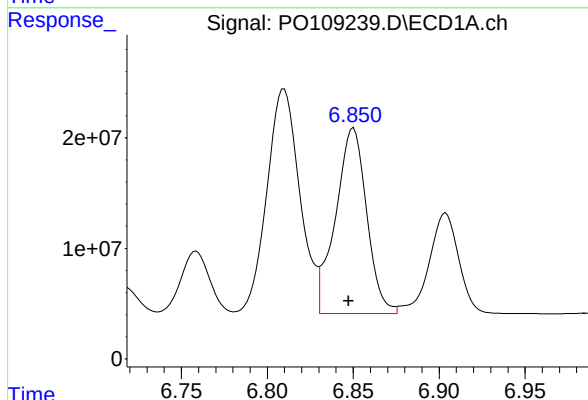
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



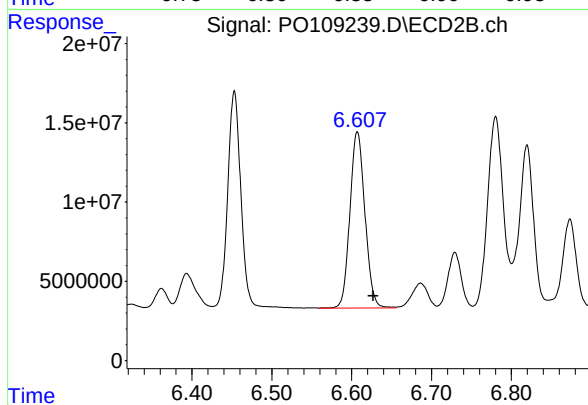
#32 AR-1260-2

R.T.: 6.453 min  
Delta R.T.: -0.020 min  
Response: 156864376  
Conc: 521.48 ng/ml



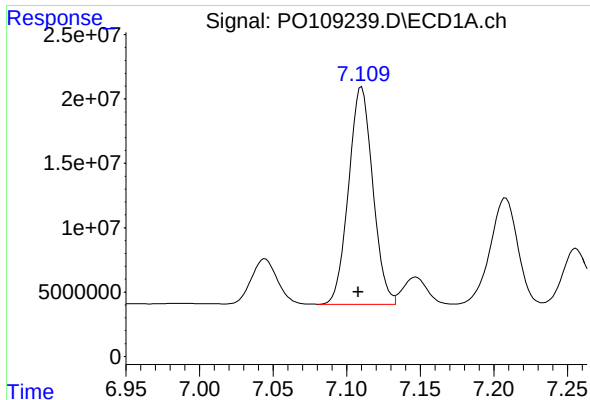
#33 AR-1260-3

R.T.: 6.850 min  
Delta R.T.: 0.003 min  
Response: 211656199  
Conc: 540.54 ng/ml



#33 AR-1260-3

R.T.: 6.607 min  
Delta R.T.: -0.020 min  
Response: 145368667  
Conc: 522.18 ng/ml



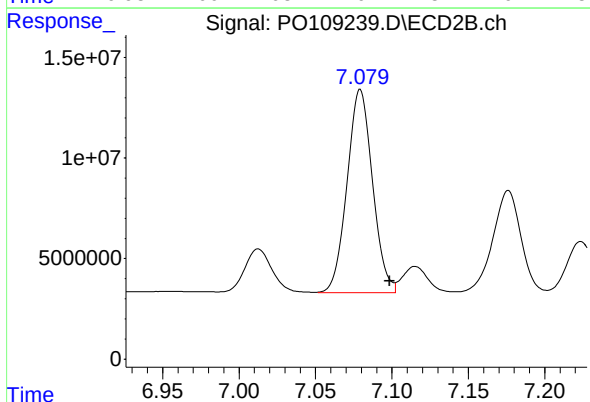
#34 AR-1260-4

R.T.: 7.110 min  
Delta R.T.: 0.002 min  
Response: 193030870  
Conc: 539.26 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

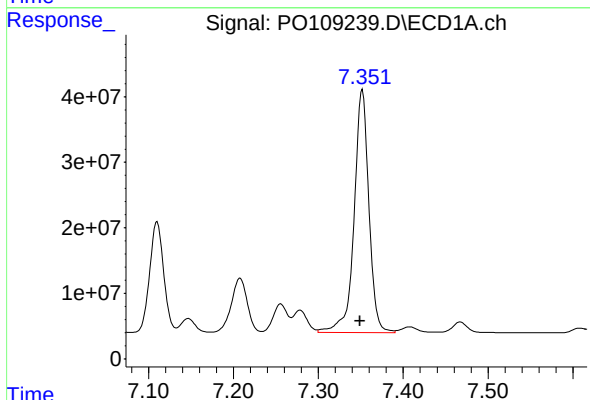
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



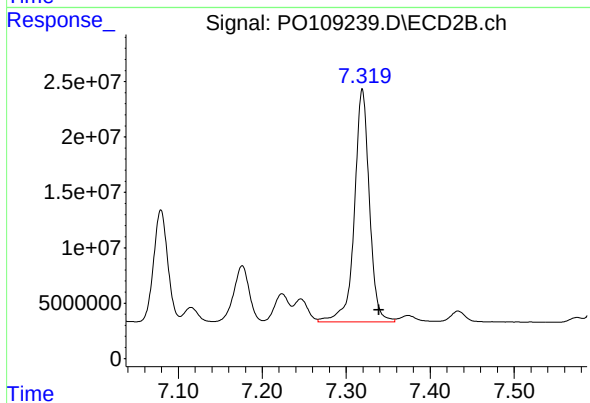
#34 AR-1260-4

R.T.: 7.079 min  
Delta R.T.: -0.020 min  
Response: 117946605  
Conc: 522.69 ng/ml



#35 AR-1260-5

R.T.: 7.352 min  
Delta R.T.: 0.003 min  
Response: 450281531  
Conc: 539.52 ng/ml



#35 AR-1260-5

R.T.: 7.319 min  
Delta R.T.: -0.020 min  
Response: 261457121  
Conc: 522.20 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/30/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 00:46 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.80       | 4.80      | 4.70      | 4.90 | 0.00       |
| Aroclor-1016-2       | (2) | 4.82       | 4.81      | 4.71      | 4.91 | -0.01      |
| Aroclor-1016-3       | (3) | 4.87       | 4.87      | 4.77      | 4.97 | 0.00       |
| Aroclor-1016-4       | (4) | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |
| Aroclor-1016-5       | (5) | 5.25       | 5.25      | 5.15      | 5.35 | 0.00       |
| Aroclor-1260-1       | (1) | 6.29       | 6.29      | 6.19      | 6.39 | 0.00       |
| Aroclor-1260-2       | (2) | 6.48       | 6.48      | 6.38      | 6.58 | 0.00       |
| Aroclor-1260-3       | (3) | 6.85       | 6.85      | 6.75      | 6.95 | 0.00       |
| Aroclor-1260-4       | (4) | 7.11       | 7.11      | 7.01      | 7.21 | 0.00       |
| Aroclor-1260-5       | (5) | 7.35       | 7.35      | 7.25      | 7.45 | 0.00       |
| Tetrachloro-m-xylene |     | 3.70       | 3.70      | 3.60      | 3.80 | 0.00       |
| Decachlorobiphenyl   |     | 8.76       | 8.76      | 8.66      | 8.86 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Continuing Calib Date: 01/30/2025 Initial Calibration Date(s): 01/21/2025 01/22/2025

Continuing Calib Time: 00:46 Initial Calibration Time(s): 17:36 01:50

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.78       | 4.80      | 4.70      | 4.90 | 0.02       |
| Aroclor-1016-2       | (2) | 4.80       | 4.82      | 4.72      | 4.92 | 0.02       |
| Aroclor-1016-3       | (3) | 4.98       | 5.00      | 4.90      | 5.10 | 0.03       |
| Aroclor-1016-4       | (4) | 5.02       | 5.04      | 4.94      | 5.14 | 0.02       |
| Aroclor-1016-5       | (5) | 5.23       | 5.25      | 5.15      | 5.35 | 0.02       |
| Aroclor-1260-1       | (1) | 6.27       | 6.29      | 6.19      | 6.39 | 0.03       |
| Aroclor-1260-2       | (2) | 6.45       | 6.47      | 6.37      | 6.57 | 0.02       |
| Aroclor-1260-3       | (3) | 6.61       | 6.63      | 6.53      | 6.73 | 0.02       |
| Aroclor-1260-4       | (4) | 7.08       | 7.10      | 7.00      | 7.20 | 0.02       |
| Aroclor-1260-5       | (5) | 7.32       | 7.34      | 7.24      | 7.44 | 0.02       |
| Tetrachloro-m-xylene |     | 3.70       | 3.72      | 3.62      | 3.82 | 0.02       |
| Decachlorobiphenyl   |     | 8.71       | 8.73      | 8.63      | 8.83 | 0.02       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/30/2025

Lab Sample No.: AR1660CCC500 Data File : PO109254.D Time Analyzed: 00:46

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.795 | 4.695                | 4.895 | 505.990            | 500.000           | 1.2   |
| Aroclor-1016-2       | 4.815 | 4.714                | 4.914 | 509.560            | 500.000           | 1.9   |
| Aroclor-1016-3       | 4.871 | 4.770                | 4.970 | 498.380            | 500.000           | -0.3  |
| Aroclor-1016-4       | 4.992 | 4.891                | 5.091 | 501.440            | 500.000           | 0.3   |
| Aroclor-1016-5       | 5.249 | 5.149                | 5.349 | 514.980            | 500.000           | 3.0   |
| Aroclor-1260-1       | 6.292 | 6.190                | 6.390 | 453.860            | 500.000           | -9.2  |
| Aroclor-1260-2       | 6.481 | 6.379                | 6.579 | 431.160            | 500.000           | -13.8 |
| Aroclor-1260-3       | 6.849 | 6.747                | 6.947 | 415.340            | 500.000           | -16.9 |
| Aroclor-1260-4       | 7.109 | 7.008                | 7.208 | 437.080            | 500.000           | -12.6 |
| Aroclor-1260-5       | 7.350 | 7.249                | 7.449 | 451.440            | 500.000           | -9.7  |
| Decachlorobiphenyl   | 8.762 | 8.658                | 8.858 | 38.710             | 50.000            | -22.6 |
| Tetrachloro-m-xylene | 3.700 | 3.600                | 3.800 | 50.770             | 50.000            | 1.5   |





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### CALIBRATION VERIFICATION SUMMARY

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/21/2025 01/21/2025

Client Sample No.: CCAL03 Date Analyzed: 01/30/2025

Lab Sample No.: AR1660CCC500 Data File : PO109254.D Time Analyzed: 00:46

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.780 | 4.703                | 4.903 | 533.530            | 500.000           | 6.7   |
| Aroclor-1016-2       | 4.800 | 4.722                | 4.922 | 527.150            | 500.000           | 5.4   |
| Aroclor-1016-3       | 4.975 | 4.898                | 5.098 | 529.220            | 500.000           | 5.8   |
| Aroclor-1016-4       | 5.018 | 4.940                | 5.140 | 507.710            | 500.000           | 1.5   |
| Aroclor-1016-5       | 5.231 | 5.153                | 5.353 | 546.030            | 500.000           | 9.2   |
| Aroclor-1260-1       | 6.265 | 6.186                | 6.386 | 517.230            | 500.000           | 3.4   |
| Aroclor-1260-2       | 6.452 | 6.373                | 6.573 | 499.300            | 500.000           | -0.1  |
| Aroclor-1260-3       | 6.605 | 6.527                | 6.727 | 481.950            | 500.000           | -3.6  |
| Aroclor-1260-4       | 7.077 | 6.999                | 7.199 | 450.300            | 500.000           | -9.9  |
| Aroclor-1260-5       | 7.318 | 7.239                | 7.439 | 446.240            | 500.000           | -10.8 |
| Decachlorobiphenyl   | 8.712 | 8.633                | 8.833 | 42.230             | 50.000            | -15.5 |
| Tetrachloro-m-xylene | 3.696 | 3.618                | 3.818 | 54.730             | 50.000            | 9.5   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109254.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Jan 2025 00:46  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:05:16 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.700 | 3.696 | 383.6E6  | 293.3E6  | 50.767  | 54.725   |
| 2) SA Decachlor...          | 8.762 | 8.712 | 268.2E6  | 145.2E6  | 38.708  | 42.231   |
| Target Compounds            |       |       |          |          |         |          |
| 3) L1 AR-1016-1             | 4.795 | 4.780 | 127.7E6  | 86387795 | 505.990 | 533.528m |
| 4) L1 AR-1016-2             | 4.815 | 4.800 | 175.7E6  | 125.6E6  | 509.562 | 527.147m |
| 5) L1 AR-1016-3             | 4.871 | 4.975 | 121.7E6  | 68998062 | 498.385 | 529.216m |
| 6) L1 AR-1016-4             | 4.992 | 5.018 | 95690312 | 56110933 | 501.445 | 507.706m |
| 7) L1 AR-1016-5             | 5.249 | 5.231 | 107.5E6  | 78378262 | 514.978 | 546.027m |
| 31) L7 AR-1260-1            | 6.292 | 6.265 | 173.0E6  | 130.4E6  | 453.857 | 517.233  |
| 32) L7 AR-1260-2            | 6.481 | 6.452 | 202.5E6  | 150.2E6  | 431.162 | 499.301  |
| 33) L7 AR-1260-3            | 6.849 | 6.605 | 162.6E6  | 134.2E6  | 415.337 | 481.951  |
| 34) L7 AR-1260-4            | 7.109 | 7.077 | 156.5E6  | 101.6E6  | 437.082 | 450.300m |
| 35) L7 AR-1260-5            | 7.350 | 7.318 | 376.8E6  | 223.4E6  | 451.437 | 446.236  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109254.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Jan 2025 00:46  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

AR1660CCC500

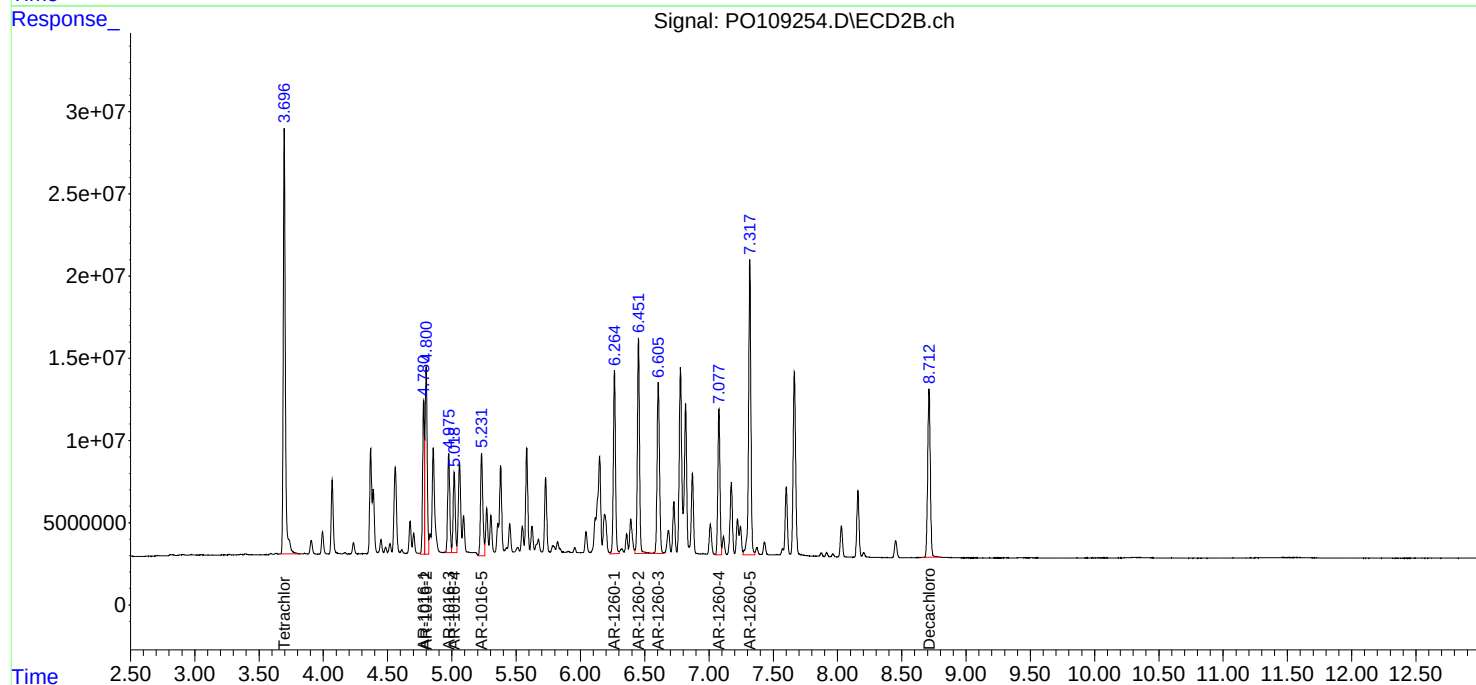
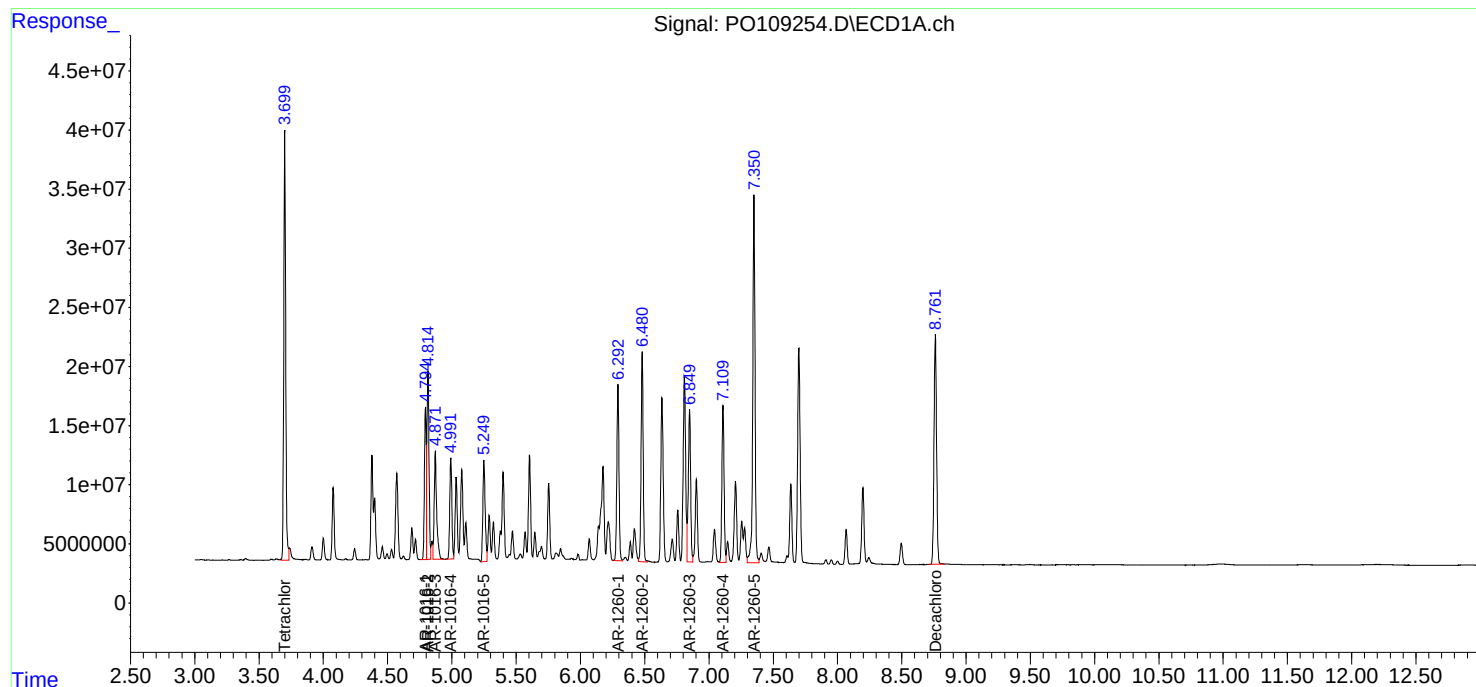
## Manual Integrations

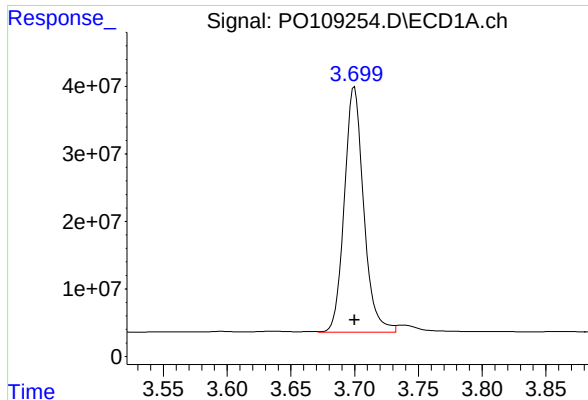
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:05:16 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





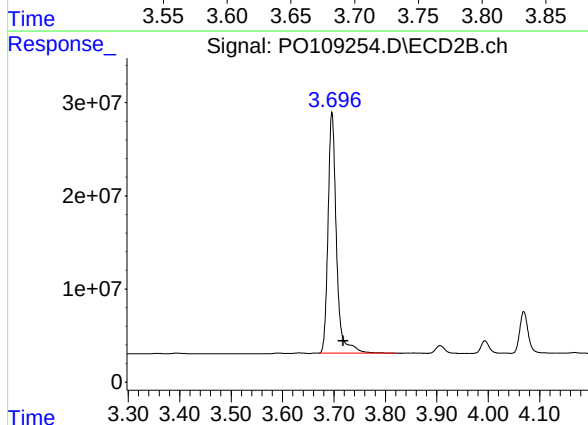
## #1 Tetrachloro-m-xylene

R.T.: 3.700 min  
Delta R.T.: 0.000 min  
Response: 383618449  
Conc: 50.77 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

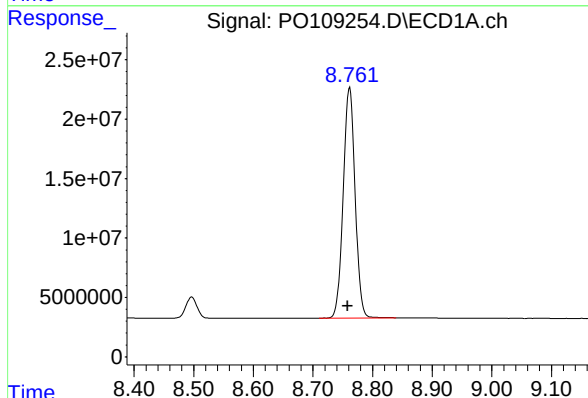
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



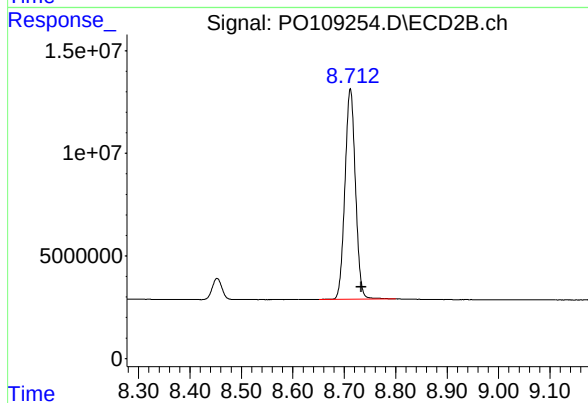
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 293344432  
Conc: 54.73 ng/ml



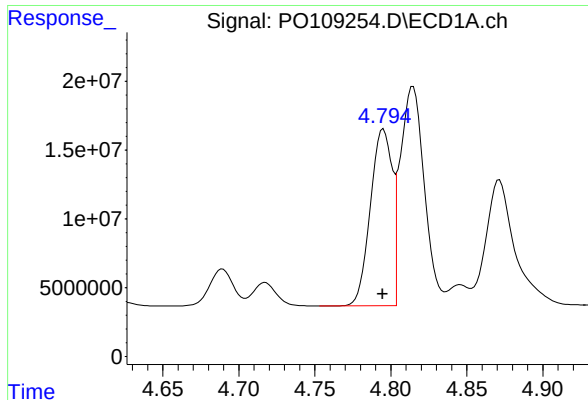
## #2 Decachlorobiphenyl

R.T.: 8.762 min  
Delta R.T.: 0.003 min  
Response: 268160166  
Conc: 38.71 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: -0.021 min  
Response: 145221249  
Conc: 42.23 ng/ml



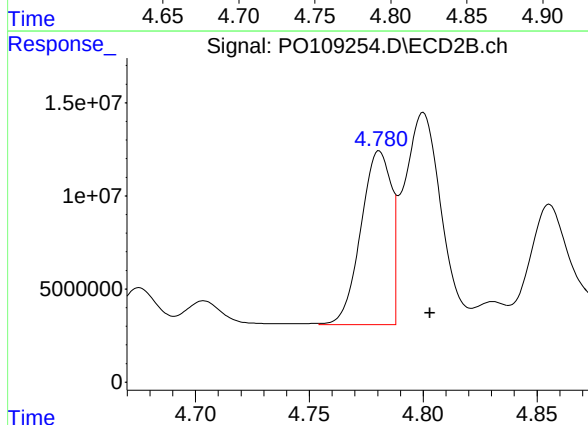
#3 AR-1016-1

R.T.: 4.795 min  
Delta R.T.: 0.000 min  
Response: 127654466  
Conc: 505.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

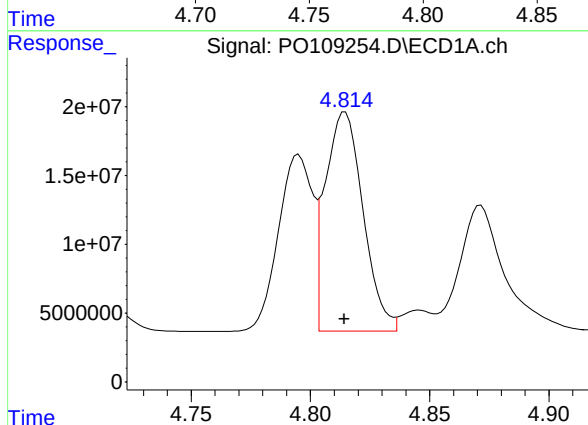
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



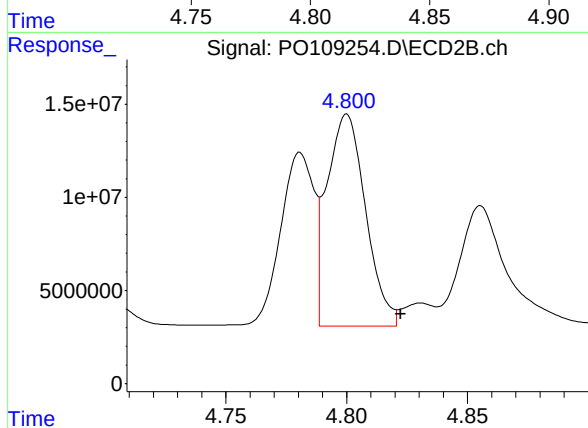
#3 AR-1016-1

R.T.: 4.780 min  
Delta R.T.: -0.023 min  
Response: 86387795  
Conc: 533.53 ng/ml



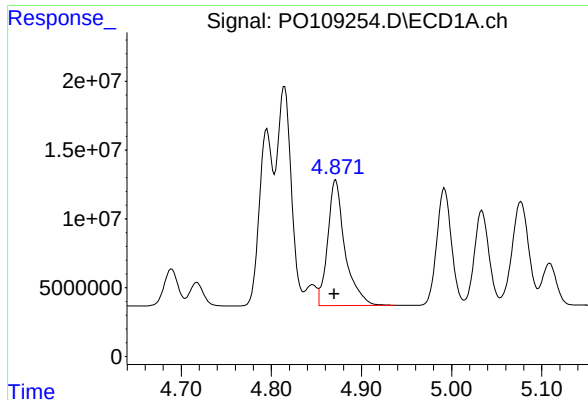
#4 AR-1016-2

R.T.: 4.815 min  
Delta R.T.: 0.000 min  
Response: 175740277  
Conc: 509.56 ng/ml



#4 AR-1016-2

R.T.: 4.800 min  
Delta R.T.: -0.023 min  
Response: 125585507  
Conc: 527.15 ng/ml



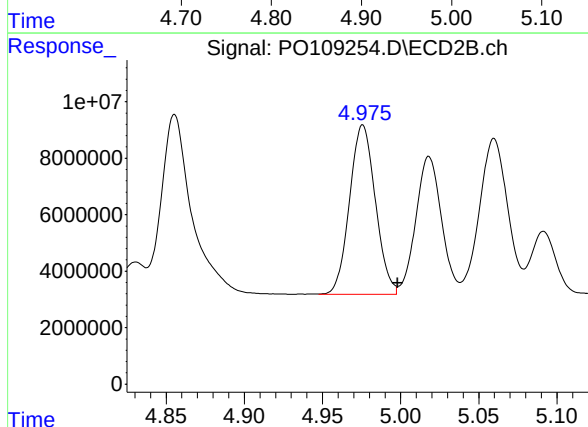
#5 AR-1016-3

R.T.: 4.871 min  
Delta R.T.: 0.001 min  
Response: 121664022  
Conc: 498.38 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

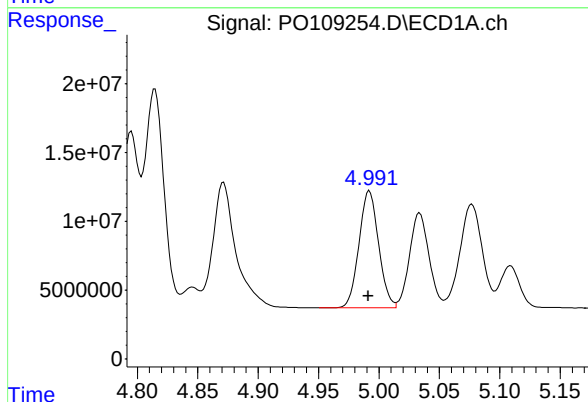
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



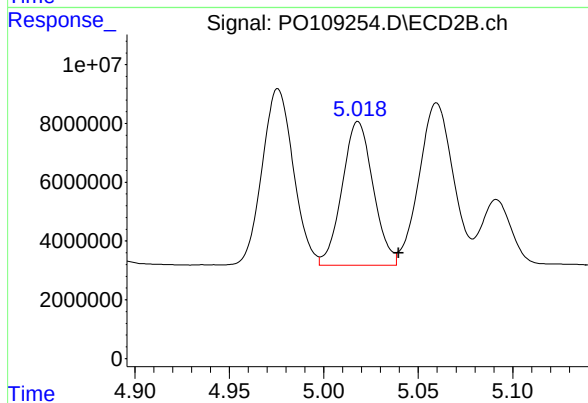
#5 AR-1016-3

R.T.: 4.975 min  
Delta R.T.: -0.023 min  
Response: 68998062  
Conc: 529.22 ng/ml



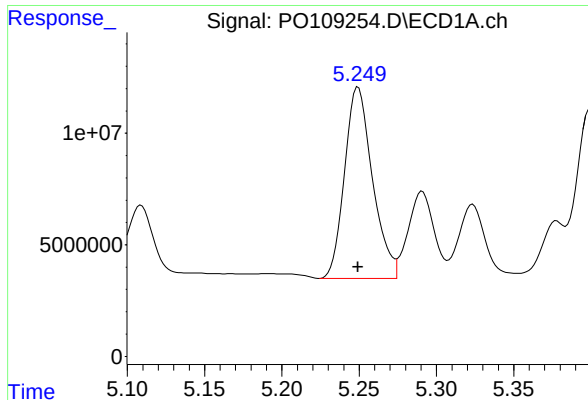
#6 AR-1016-4

R.T.: 4.992 min  
Delta R.T.: 0.000 min  
Response: 95690312  
Conc: 501.44 ng/ml



#6 AR-1016-4

R.T.: 5.018 min  
Delta R.T.: -0.022 min  
Response: 56110933  
Conc: 507.71 ng/ml



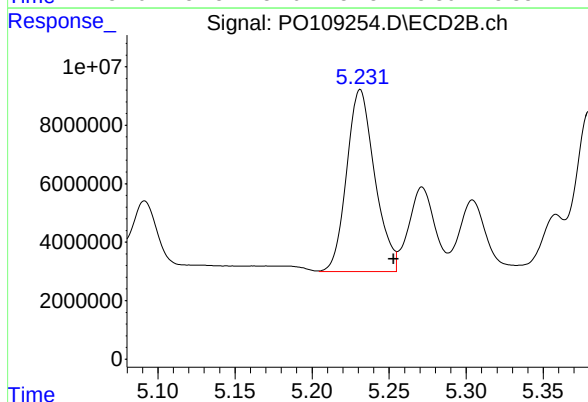
#7 AR-1016-5

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 107507701  
Conc: 514.98 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

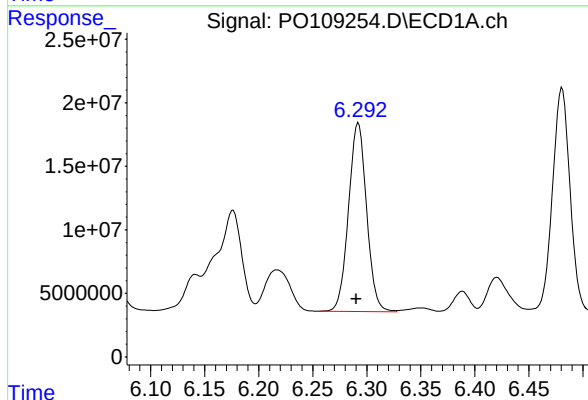
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



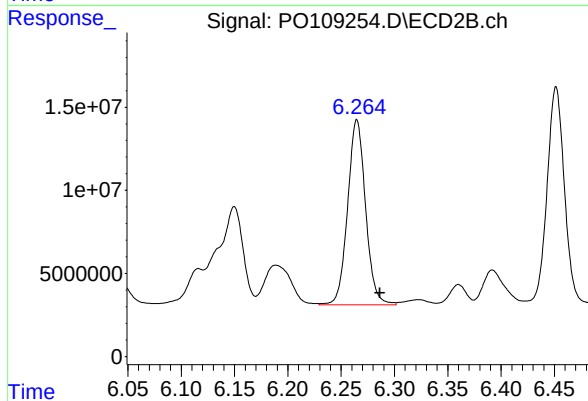
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 78378262  
Conc: 546.03 ng/ml



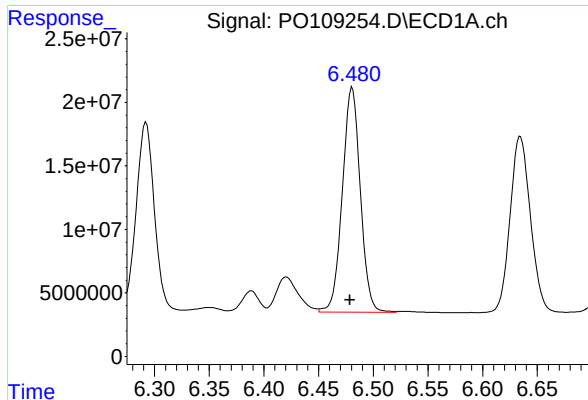
#31 AR-1260-1

R.T.: 6.292 min  
Delta R.T.: 0.002 min  
Response: 172990198  
Conc: 453.86 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.022 min  
Response: 130368092  
Conc: 517.23 ng/ml



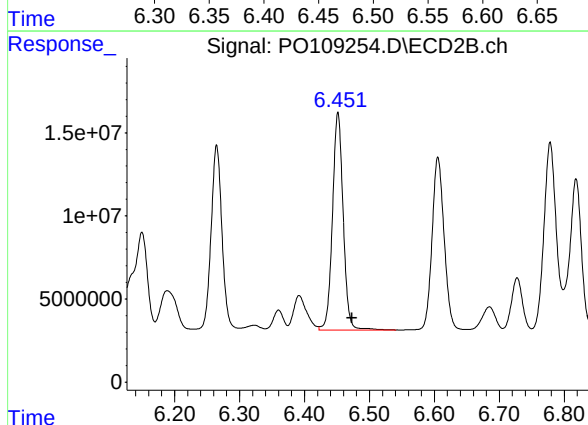
#32 AR-1260-2

R.T.: 6.481 min  
Delta R.T.: 0.002 min  
Response: 202465101  
Conc: 431.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

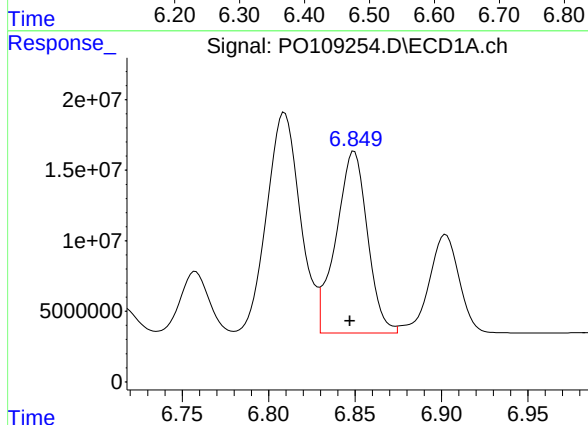
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



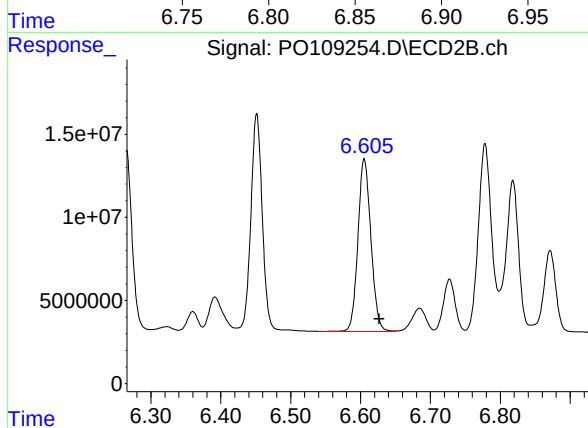
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.022 min  
Response: 150191854  
Conc: 499.30 ng/ml



#33 AR-1260-3

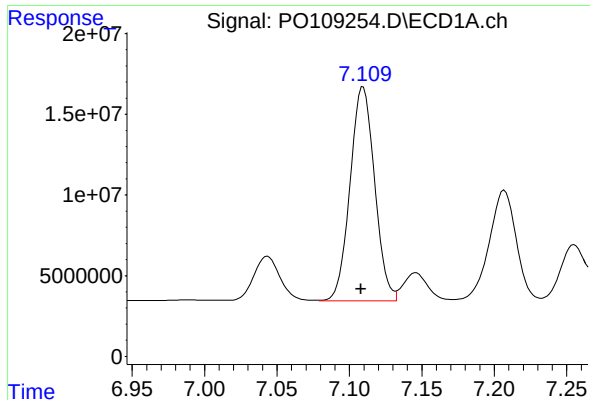
R.T.: 6.849 min  
Delta R.T.: 0.002 min  
Response: 162630159  
Conc: 415.34 ng/ml



#33 AR-1260-3

R.T.: 6.605 min  
Delta R.T.: -0.022 min  
Response: 134168344  
Conc: 481.95 ng/ml





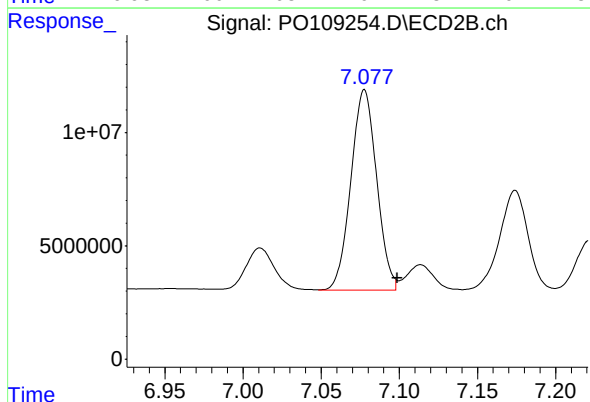
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.001 min  
Response: 156456840  
Conc: 437.08 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

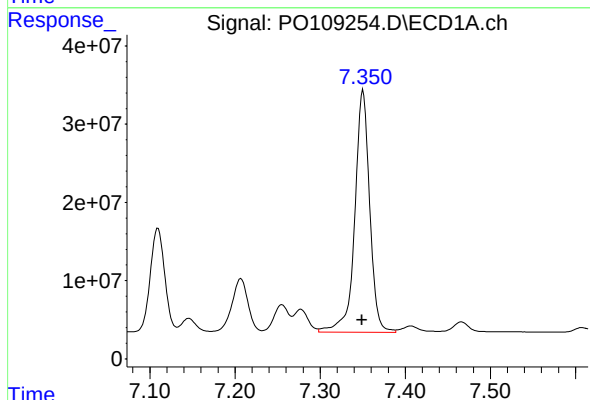
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



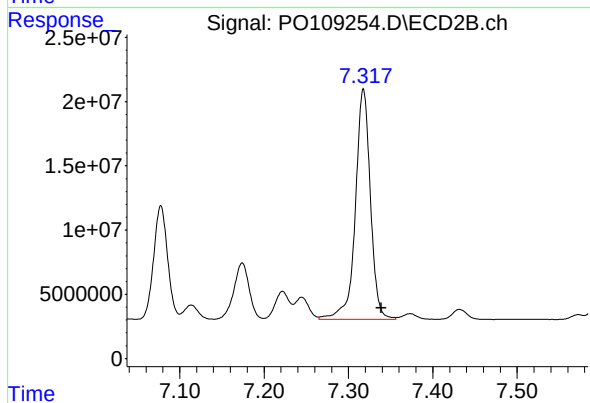
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.021 min  
Response: 101610810  
Conc: 450.30 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.001 min  
Response: 376767015  
Conc: 451.44 ng/ml



#35 AR-1260-5

R.T.: 7.318 min  
Delta R.T.: -0.021 min  
Response: 223421313  
Conc: 446.24 ng/ml

## Analytical Sequence

|                                             |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| Client: RU2 Engineering, LLC                | SDG No.: Q1207                                                  |
| Project: NYCDDC SANTWOBR Brooklyn Bridge BI | Instrument ID: ECD_O                                            |
| GC Column: ZB-MR1                           | ID: 0.32 (mm)    Inst. Calib. Date(s): 01/21/2025    01/21/2025 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| 1.BLK             | 1.BLK            | 01/21/2025       | 17:18            | PO108981.D | 8.76        | 3.70        |
| AR1660ICC1000     | AR1660ICC1000    | 01/21/2025       | 17:36            | PO108982.D | 8.76        | 3.70        |
| AR1660ICC750      | AR1660ICC750     | 01/21/2025       | 17:54            | PO108983.D | 8.76        | 3.70        |
| AR1660ICC500      | AR1660ICC500     | 01/21/2025       | 18:13            | PO108984.D | 8.76        | 3.70        |
| AR1660ICC250      | AR1660ICC250     | 01/21/2025       | 18:31            | PO108985.D | 8.76        | 3.70        |
| AR1660ICC050      | AR1660ICC050     | 01/21/2025       | 18:49            | PO108986.D | 8.76        | 3.70        |
| AR1221ICC500      | AR1221ICC500     | 01/21/2025       | 19:07            | PO108987.D | 8.76        | 3.70        |
| AR1232ICC500      | AR1232ICC500     | 01/21/2025       | 19:26            | PO108988.D | 8.76        | 3.70        |
| AR1242ICC1000     | AR1242ICC1000    | 01/21/2025       | 19:44            | PO108989.D | 8.76        | 3.70        |
| AR1242ICC750      | AR1242ICC750     | 01/21/2025       | 20:02            | PO108990.D | 8.76        | 3.70        |
| AR1242ICC500      | AR1242ICC500     | 01/21/2025       | 20:21            | PO108991.D | 8.76        | 3.70        |
| AR1242ICC250      | AR1242ICC250     | 01/21/2025       | 20:39            | PO108992.D | 8.76        | 3.70        |
| AR1242ICC050      | AR1242ICC050     | 01/21/2025       | 20:57            | PO108993.D | 8.76        | 3.70        |
| AR1248ICC1000     | AR1248ICC1000    | 01/21/2025       | 21:16            | PO108994.D | 8.76        | 3.70        |
| AR1248ICC750      | AR1248ICC750     | 01/21/2025       | 21:34            | PO108995.D | 8.76        | 3.70        |
| AR1248ICC500      | AR1248ICC500     | 01/21/2025       | 21:52            | PO108996.D | 8.76        | 3.70        |
| AR1248ICC250      | AR1248ICC250     | 01/21/2025       | 22:10            | PO108997.D | 8.76        | 3.70        |
| AR1248ICC050      | AR1248ICC050     | 01/21/2025       | 22:29            | PO108998.D | 8.76        | 3.70        |
| AR1254ICC1000     | AR1254ICC1000    | 01/21/2025       | 22:47            | PO108999.D | 8.76        | 3.70        |
| AR1254ICC750      | AR1254ICC750     | 01/21/2025       | 23:05            | PO109000.D | 8.76        | 3.70        |
| AR1254ICC500      | AR1254ICC500     | 01/21/2025       | 23:23            | PO109001.D | 8.76        | 3.70        |
| AR1254ICC250      | AR1254ICC250     | 01/21/2025       | 23:42            | PO109002.D | 8.76        | 3.70        |
| AR1254ICC050      | AR1254ICC050     | 01/22/2025       | 00:00            | PO109003.D | 8.76        | 3.70        |
| AR1262ICC500      | AR1262ICC500     | 01/22/2025       | 00:18            | PO109004.D | 8.76        | 3.70        |
| AR1268ICC1000     | AR1268ICC1000    | 01/22/2025       | 00:37            | PO109005.D | 8.76        | 3.70        |
| AR1268ICC750      | AR1268ICC750     | 01/22/2025       | 00:55            | PO109006.D | 8.76        | 3.70        |
| AR1268ICC500      | AR1268ICC500     | 01/22/2025       | 01:13            | PO109007.D | 8.76        | 3.70        |
| AR1268ICC250      | AR1268ICC250     | 01/22/2025       | 01:31            | PO109008.D | 8.76        | 3.70        |
| AR1268ICC050      | AR1268ICC050     | 01/22/2025       | 01:50            | PO109009.D | 8.76        | 3.70        |
| AR1660CCC500      | AR1660CCC500     | 01/29/2025       | 11:53            | PO109224.D | 8.76        | 3.70        |
| 1.BLK             | 1.BLK            | 01/29/2025       | 13:04            | PO109228.D | 8.76        | 3.70        |
| PB166333BL        | PB166333BL       | 01/29/2025       | 15:45            | PO109237.D | 8.76        | 3.70        |
| PB166333BS        | PB166333BS       | 01/29/2025       | 16:02            | PO109238.D | 8.76        | 3.70        |
| AR1660CCC500      | AR1660CCC500     | 01/29/2025       | 16:49            | PO109239.D | 8.76        | 3.70        |
| 1.BLK             | 1.BLK            | 01/29/2025       | 18:02            | PO109243.D | 8.76        | 3.70        |
| VNJ-236MS         | Q1205-01MS       | 01/29/2025       | 18:37            | PO109245.D | 8.76        | 3.70        |
| VNJ-236MSD        | Q1205-01MSD      | 01/29/2025       | 18:55            | PO109246.D | 8.76        | 3.70        |
| JPP-2.1-012725    | Q1207-03         | 01/29/2025       | 19:49            | PO109249.D | 8.76        | 3.70        |
| JPP-5.1-012725    | Q1207-07         | 01/29/2025       | 20:07            | PO109250.D | 8.76        | 3.70        |
| JPP-4.5-012725    | Q1207-11         | 01/29/2025       | 20:26            | PO109251.D | 8.76        | 3.70        |
| JPP-16.2-012725   | Q1207-15         | 01/29/2025       | 20:44            | PO109252.D | 8.76        | 3.70        |
| JPP-20.2-012725   | Q1207-19         | 01/29/2025       | 21:01            | PO109253.D | 8.76        | 3.70        |

**Analytical Sequence**

|              |              |            |       |            |      |      |
|--------------|--------------|------------|-------|------------|------|------|
| AR1660CCC500 | AR1660CCC500 | 01/30/2025 | 00:46 | PO109254.D | 8.76 | 3.70 |
| I.BLK        | I.BLK        | 01/30/2025 | 01:59 | PO109258.D | 8.76 | 3.70 |

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## Analytical Sequence

|                                             |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| Client: RU2 Engineering, LLC                | SDG No.: Q1207                                                  |
| Project: NYCDDC SANTWOBR Brooklyn Bridge BI | Instrument ID: ECD_O                                            |
| GC Column: ZB-MR2                           | ID: 0.32 (mm)    Inst. Calib. Date(s): 01/21/2025    01/21/2025 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| 1.BLK             | 1.BLK            | 01/21/2025       | 17:18            | PO108981.D | 8.71        | 3.70        |
| AR1660ICC1000     | AR1660ICC1000    | 01/21/2025       | 17:36            | PO108982.D | 8.71        | 3.70        |
| AR1660ICC750      | AR1660ICC750     | 01/21/2025       | 17:54            | PO108983.D | 8.71        | 3.70        |
| AR1660ICC500      | AR1660ICC500     | 01/21/2025       | 18:13            | PO108984.D | 8.73        | 3.72        |
| AR1660ICC250      | AR1660ICC250     | 01/21/2025       | 18:31            | PO108985.D | 8.71        | 3.70        |
| AR1660ICC050      | AR1660ICC050     | 01/21/2025       | 18:49            | PO108986.D | 8.71        | 3.70        |
| AR1221ICC500      | AR1221ICC500     | 01/21/2025       | 19:07            | PO108987.D | 8.71        | 3.70        |
| AR1232ICC500      | AR1232ICC500     | 01/21/2025       | 19:26            | PO108988.D | 8.71        | 3.70        |
| AR1242ICC1000     | AR1242ICC1000    | 01/21/2025       | 19:44            | PO108989.D | 8.71        | 3.70        |
| AR1242ICC750      | AR1242ICC750     | 01/21/2025       | 20:02            | PO108990.D | 8.71        | 3.70        |
| AR1242ICC500      | AR1242ICC500     | 01/21/2025       | 20:21            | PO108991.D | 8.71        | 3.70        |
| AR1242ICC250      | AR1242ICC250     | 01/21/2025       | 20:39            | PO108992.D | 8.71        | 3.70        |
| AR1242ICC050      | AR1242ICC050     | 01/21/2025       | 20:57            | PO108993.D | 8.71        | 3.70        |
| AR1248ICC1000     | AR1248ICC1000    | 01/21/2025       | 21:16            | PO108994.D | 8.71        | 3.70        |
| AR1248ICC750      | AR1248ICC750     | 01/21/2025       | 21:34            | PO108995.D | 8.71        | 3.70        |
| AR1248ICC500      | AR1248ICC500     | 01/21/2025       | 21:52            | PO108996.D | 8.71        | 3.70        |
| AR1248ICC250      | AR1248ICC250     | 01/21/2025       | 22:10            | PO108997.D | 8.71        | 3.70        |
| AR1248ICC050      | AR1248ICC050     | 01/21/2025       | 22:29            | PO108998.D | 8.71        | 3.70        |
| AR1254ICC1000     | AR1254ICC1000    | 01/21/2025       | 22:47            | PO108999.D | 8.71        | 3.70        |
| AR1254ICC750      | AR1254ICC750     | 01/21/2025       | 23:05            | PO109000.D | 8.71        | 3.70        |
| AR1254ICC500      | AR1254ICC500     | 01/21/2025       | 23:23            | PO109001.D | 8.71        | 3.70        |
| AR1254ICC250      | AR1254ICC250     | 01/21/2025       | 23:42            | PO109002.D | 8.71        | 3.70        |
| AR1254ICC050      | AR1254ICC050     | 01/22/2025       | 00:00            | PO109003.D | 8.71        | 3.70        |
| AR1262ICC500      | AR1262ICC500     | 01/22/2025       | 00:18            | PO109004.D | 8.71        | 3.70        |
| AR1268ICC1000     | AR1268ICC1000    | 01/22/2025       | 00:37            | PO109005.D | 8.71        | 3.70        |
| AR1268ICC750      | AR1268ICC750     | 01/22/2025       | 00:55            | PO109006.D | 8.71        | 3.70        |
| AR1268ICC500      | AR1268ICC500     | 01/22/2025       | 01:13            | PO109007.D | 8.71        | 3.70        |
| AR1268ICC250      | AR1268ICC250     | 01/22/2025       | 01:31            | PO109008.D | 8.71        | 3.70        |
| AR1268ICC050      | AR1268ICC050     | 01/22/2025       | 01:50            | PO109009.D | 8.71        | 3.70        |
| AR1660CCC500      | AR1660CCC500     | 01/29/2025       | 11:53            | PO109224.D | 8.72        | 3.70        |
| 1.BLK             | 1.BLK            | 01/29/2025       | 13:04            | PO109228.D | 8.72        | 3.70        |
| PB166333BL        | PB166333BL       | 01/29/2025       | 15:45            | PO109237.D | 8.71        | 3.70        |
| PB166333BS        | PB166333BS       | 01/29/2025       | 16:02            | PO109238.D | 8.71        | 3.70        |
| AR1660CCC500      | AR1660CCC500     | 01/29/2025       | 16:49            | PO109239.D | 8.71        | 3.70        |
| 1.BLK             | 1.BLK            | 01/29/2025       | 18:02            | PO109243.D | 8.71        | 3.70        |
| VNJ-236MS         | Q1205-01MS       | 01/29/2025       | 18:37            | PO109245.D | 8.71        | 3.70        |
| VNJ-236MSD        | Q1205-01MSD      | 01/29/2025       | 18:55            | PO109246.D | 8.71        | 3.70        |
| JPP-2.1-012725    | Q1207-03         | 01/29/2025       | 19:49            | PO109249.D | 8.71        | 3.70        |
| JPP-5.1-012725    | Q1207-07         | 01/29/2025       | 20:07            | PO109250.D | 8.71        | 3.70        |
| JPP-4.5-012725    | Q1207-11         | 01/29/2025       | 20:26            | PO109251.D | 8.71        | 3.70        |
| JPP-16.2-012725   | Q1207-15         | 01/29/2025       | 20:44            | PO109252.D | 8.71        | 3.70        |
| JPP-20.2-012725   | Q1207-19         | 01/29/2025       | 21:01            | PO109253.D | 8.71        | 3.70        |

**Analytical Sequence**

|              |              |            |       |            |      |      |
|--------------|--------------|------------|-------|------------|------|------|
| AR1660CCC500 | AR1660CCC500 | 01/30/2025 | 00:46 | PO109254.D | 8.71 | 3.70 |
| I.BLK        | I.BLK        | 01/30/2025 | 01:59 | PO109258.D | 8.71 | 3.70 |

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IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166333BS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: PB166333BS Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109238.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 4.793 | 4.743     | 4.843 | 173           | 169                   | 3.61 |
| COLUMN 1     | 2   | 4.813 | 4.763     | 4.863 | 171           |                       |      |
|              | 3   | 4.869 | 4.819     | 4.919 | 169           |                       |      |
|              | 4   | 4.99  | 4.94      | 5.04  | 170           |                       |      |
|              | 5   | 5.247 | 5.197     | 5.297 | 164           |                       |      |
|              | 1   | 4.78  | 4.73      | 4.83  | 181           |                       |      |
| COLUMN 2     | 2   | 4.799 | 4.749     | 4.849 | 158           | 163                   |      |
|              | 3   | 4.976 | 4.926     | 5.026 | 163           |                       |      |
|              | 4   | 5.017 | 4.967     | 5.067 | 158           |                       |      |
|              | 5   | 5.23  | 5.18      | 5.28  | 156           |                       |      |
|              |     |       |           |       |               |                       |      |
| Aroclor-1260 | 1   | 6.29  | 6.24      | 6.34  | 173           | 159                   | 1.27 |
| COLUMN 1     | 2   | 6.478 | 6.428     | 6.528 | 170           |                       |      |
|              | 3   | 6.848 | 6.798     | 6.898 | 148           |                       |      |
|              | 4   | 7.109 | 7.059     | 7.159 | 152           |                       |      |
|              | 5   | 7.35  | 7.3       | 7.4   | 153           |                       |      |
|              | 1   | 6.265 | 6.215     | 6.315 | 167           |                       |      |
| COLUMN 2     | 2   | 6.452 | 6.402     | 6.502 | 164           | 157                   |      |
|              | 3   | 6.605 | 6.555     | 6.655 | 166           |                       |      |
|              | 4   | 7.077 | 7.027     | 7.127 | 142           |                       |      |
|              | 5   | 7.318 | 7.268     | 7.368 | 145           |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-236MS

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1205-01MS Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109245.D

| ANALYTE      | COL   | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |  |
|--------------|-------|-------|-----------|-------|---------------|-----------------------|------|--|
|              |       |       | FROM      | TO    |               |                       |      |  |
| Aroclor-1016 | 1     | 4.793 | 4.743     | 4.843 | 189           | 182                   | 3.92 |  |
|              | 2     | 4.812 | 4.762     | 4.862 | 184           |                       |      |  |
|              | 3     | 4.868 | 4.818     | 4.918 | 185           |                       |      |  |
|              | 4     | 4.99  | 4.94      | 5.04  | 181           |                       |      |  |
|              | 5     | 5.247 | 5.197     | 5.297 | 173           |                       |      |  |
| COLUMN 1     |       |       |           |       |               |                       |      |  |
|              | 1     | 4.78  | 4.73      | 4.83  | 168           | 175                   |      |  |
|              | 2     | 4.8   | 4.75      | 4.85  | 181           |                       |      |  |
|              | 3     | 4.976 | 4.926     | 5.026 | 179           |                       |      |  |
|              | 4     | 5.017 | 4.967     | 5.067 | 180           |                       |      |  |
| 5            | 5.231 | 5.181 | 5.281     | 169   |               |                       |      |  |
| COLUMN 2     |       |       |           |       |               |                       |      |  |
|              | 1     | 6.29  | 6.24      | 6.34  | 190           | 175                   | 1.14 |  |
|              | 2     | 6.48  | 6.43      | 6.53  | 198           |                       |      |  |
|              | 3     | 6.848 | 6.798     | 6.898 | 151           |                       |      |  |
|              | 4     | 7.11  | 7.06      | 7.16  | 180           |                       |      |  |
| 5            | 7.35  | 7.3   | 7.4       | 156   |               |                       |      |  |
| Aroclor-1260 |       |       |           |       |               |                       |      |  |
|              | 1     | 6.265 | 6.215     | 6.315 | 187           | 177                   |      |  |
|              | 2     | 6.452 | 6.402     | 6.502 | 197           |                       |      |  |
|              | 3     | 6.606 | 6.556     | 6.656 | 174           |                       |      |  |
|              | 4     | 7.078 | 7.028     | 7.128 | 177           |                       |      |  |
| 5            | 7.318 | 7.268 | 7.368     | 153   |               |                       |      |  |
| COLUMN 1     |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
| COLUMN 2     |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-236MSD

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1205-01MSD Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109246.D

| ANALYTE      | COL   | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |  |
|--------------|-------|-------|-----------|-------|---------------|-----------------------|------|--|
|              |       |       | FROM      | TO    |               |                       |      |  |
| Aroclor-1016 | 1     | 4.793 | 4.743     | 4.843 | 185           | 178                   | 0.56 |  |
|              | 2     | 4.813 | 4.763     | 4.863 | 182           |                       |      |  |
|              | 3     | 4.869 | 4.819     | 4.919 | 182           |                       |      |  |
|              | 4     | 4.99  | 4.94      | 5.04  | 176           |                       |      |  |
|              | 5     | 5.247 | 5.197     | 5.297 | 168           |                       |      |  |
| COLUMN 1     |       |       |           |       |               |                       |      |  |
|              | 1     | 4.781 | 4.731     | 4.831 | 190           | 177                   |      |  |
|              | 2     | 4.8   | 4.75      | 4.85  | 176           |                       |      |  |
|              | 3     | 4.976 | 4.926     | 5.026 | 176           |                       |      |  |
|              | 4     | 5.018 | 4.968     | 5.068 | 178           |                       |      |  |
| 5            | 5.231 | 5.181 | 5.281     | 167   |               |                       |      |  |
| COLUMN 2     |       |       |           |       |               |                       |      |  |
|              | 1     | 6.29  | 6.24      | 6.34  | 187           | 172                   | 1.16 |  |
|              | 2     | 6.479 | 6.429     | 6.529 | 199           |                       |      |  |
|              | 3     | 6.847 | 6.797     | 6.897 | 146           |                       |      |  |
|              | 4     | 7.109 | 7.059     | 7.159 | 176           |                       |      |  |
| 5            | 7.349 | 7.299 | 7.399     | 154   |               |                       |      |  |
| COLUMN 1     |       |       |           |       |               |                       |      |  |
|              | 1     | 6.265 | 6.215     | 6.315 | 185           | 174                   |      |  |
|              | 2     | 6.452 | 6.402     | 6.502 | 193           |                       |      |  |
|              | 3     | 6.606 | 6.556     | 6.656 | 172           |                       |      |  |
|              | 4     | 7.078 | 7.028     | 7.128 | 169           |                       |      |  |
| 5            | 7.318 | 7.268 | 7.368     | 151   |               |                       |      |  |
| COLUMN 2     |       |       |           |       |               |                       |      |  |
|              |       |       |           |       |               |                       |      |  |



IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-2.1-012725

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1207-03 Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109249.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD  |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|-------|
|              |     |       | FROM      | TO    |               |                       |       |
| Aroclor-1260 | 1   | 6.289 | 6.239     | 6.339 | 8.13          | 9.20                  | 17.75 |
| COLUMN 1     | 2   | 6.484 | 6.434     | 6.534 | 6.73          |                       |       |
|              | 3   | 6.847 | 6.797     | 6.897 | 15.0          |                       |       |
|              | 4   | 7.106 | 7.056     | 7.156 | 9.94          |                       |       |
|              | 5   | 7.349 | 7.299     | 7.399 | 5.99          |                       |       |
|              | 1   | 6.264 | 6.214     | 6.314 | 7.34          |                       |       |
| COLUMN 2     | 2   | 6.454 | 6.404     | 6.504 | 12.3          | 7.70                  |       |
|              | 3   | 6.605 | 6.555     | 6.655 | 4.94          |                       |       |
|              | 4   | 7.076 | 7.026     | 7.126 | 7.54          |                       |       |
|              | 5   | 7.317 | 7.267     | 7.367 | 6.30          |                       |       |
|              |     |       |           |       |               |                       |       |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-5.1-012725

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1207-07 Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109250.D

| ANALYTE      | COL   | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-------|-------|-----------|-------|---------------|-----------------------|------|
|              |       |       | FROM      | TO    |               |                       |      |
| Aroclor-1260 | 1     | 6.293 | 6.243     | 6.343 | 11.5          |                       |      |
|              | 2     | 6.48  | 6.43      | 6.53  | 16.3          |                       |      |
|              | 3     | 6.848 | 6.798     | 6.898 | 13.4          |                       |      |
|              | 4     | 7.108 | 7.058     | 7.158 | 13.8          |                       |      |
|              | 5     | 7.35  | 7.3       | 7.4   | 13.4          |                       |      |
| COLUMN 1     |       |       |           |       |               | 13.7                  |      |
|              | 1     | 6.266 | 6.216     | 6.316 | 12.9          |                       |      |
|              | 2     | 6.452 | 6.402     | 6.502 | 17.5          |                       |      |
|              | 3     | 6.606 | 6.556     | 6.656 | 10.7          |                       |      |
|              | 4     | 7.078 | 7.028     | 7.128 | 14.9          |                       |      |
| 5            | 7.317 | 7.267 | 7.367     | 15.3  |               |                       |      |
| COLUMN 2     |       |       |           |       |               | 14.3                  | 4.29 |
|              |       |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-16.2-012725

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1207-15 Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109252.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1260 | 1   | 6.292 | 6.242     | 6.342 | 14.5          | 13.6                  | 0    |
| COLUMN 1     | 2   | 6.48  | 6.43      | 6.53  | 14.2          |                       |      |
|              | 3   | 6.849 | 6.799     | 6.899 | 13.1          |                       |      |
|              | 4   | 7.109 | 7.059     | 7.159 | 13.1          |                       |      |
|              | 5   | 7.351 | 7.301     | 7.401 | 13.3          |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 6.264 | 6.214     | 6.314 | 13.2          | 13.6                  |      |
|              | 2   | 6.45  | 6.4       | 6.5   | 15.2          |                       |      |
|              | 3   | 6.605 | 6.555     | 6.655 | 13.0          |                       |      |
|              | 4   | 7.076 | 7.026     | 7.126 | 13.7          |                       |      |
|              | 5   | 7.317 | 7.267     | 7.367 | 13.0          |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

JPP-20.2-012725

Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab Sample ID: Q1207-19 Date(s) Analyzed: 01/29/2025 01/29/2025

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO109253.D

| ANALYTE      | COL   | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |      |
|--------------|-------|-------|-----------|-------|---------------|-----------------------|------|------|
|              |       |       | FROM      | TO    |               |                       |      |      |
| Aroclor-1260 | 1     | 6.289 | 6.239     | 6.339 | 21.4          |                       |      |      |
|              | 2     | 6.478 | 6.428     | 6.528 | 17.1          |                       |      |      |
|              | 3     | 6.846 | 6.796     | 6.896 | 15.9          |                       |      |      |
|              | 4     | 7.107 | 7.057     | 7.157 | 13.0          |                       |      |      |
|              | 5     | 7.348 | 7.298     | 7.398 | 14.7          |                       |      |      |
| COLUMN 1     |       |       |           |       |               | 16.4                  |      |      |
|              | 1     | 6.264 | 6.214     | 6.314 | 19.9          |                       |      |      |
|              | 2     | 6.45  | 6.4       | 6.5   | 17.5          |                       |      |      |
|              | 3     | 6.604 | 6.554     | 6.654 | 15.3          |                       |      |      |
|              | 4     | 7.076 | 7.026     | 7.126 | 14.2          |                       |      |      |
| 5            | 7.316 | 7.266 | 7.366     | 18.1  |               |                       |      |      |
| COLUMN 2     |       |       |           |       |               | 17.0                  |      | 3.59 |
|              |       |       |           |       |               |                       |      |      |



# QC SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

## Report of Analysis

|                    |                                       |                    |                    |
|--------------------|---------------------------------------|--------------------|--------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |                    |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |                    |
| Client Sample ID:  | PB166333BL                            | SDG No.:           | Q1207              |
| Lab Sample ID:     | PB166333BL                            | Matrix:            | SOIL               |
| Analytical Method: | SW8082A                               | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g                | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB                |
| Extraction Type:   |                                       | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :                         |                    |                    |
| Prep Method :      | SW3541B                               |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109237.D        | 1         | 01/29/25 08:55 | 01/29/25 15:45 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 17.0  | U         | 6.40     | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 17.0  | U         | 7.90     | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 17.0  | U         | 2.70     | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 17.0  | U         | 4.60     | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 17.0  | U         | 2.90     | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 25.2  |           | 32 - 144 | 126%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 25.1  |           | 32 - 175 | 125%       | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109237.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 15:45  
Operator : YP/AJ  
Sample : PB166333BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 16:02:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 190.1E6 | 129.0E6  | 25.156 | 24.074 |
| 2) SA Decachlor...          | 8.763 | 8.714 | 173.6E6 | 85491085 | 25.059 | 24.861 |

Target Compounds

-----

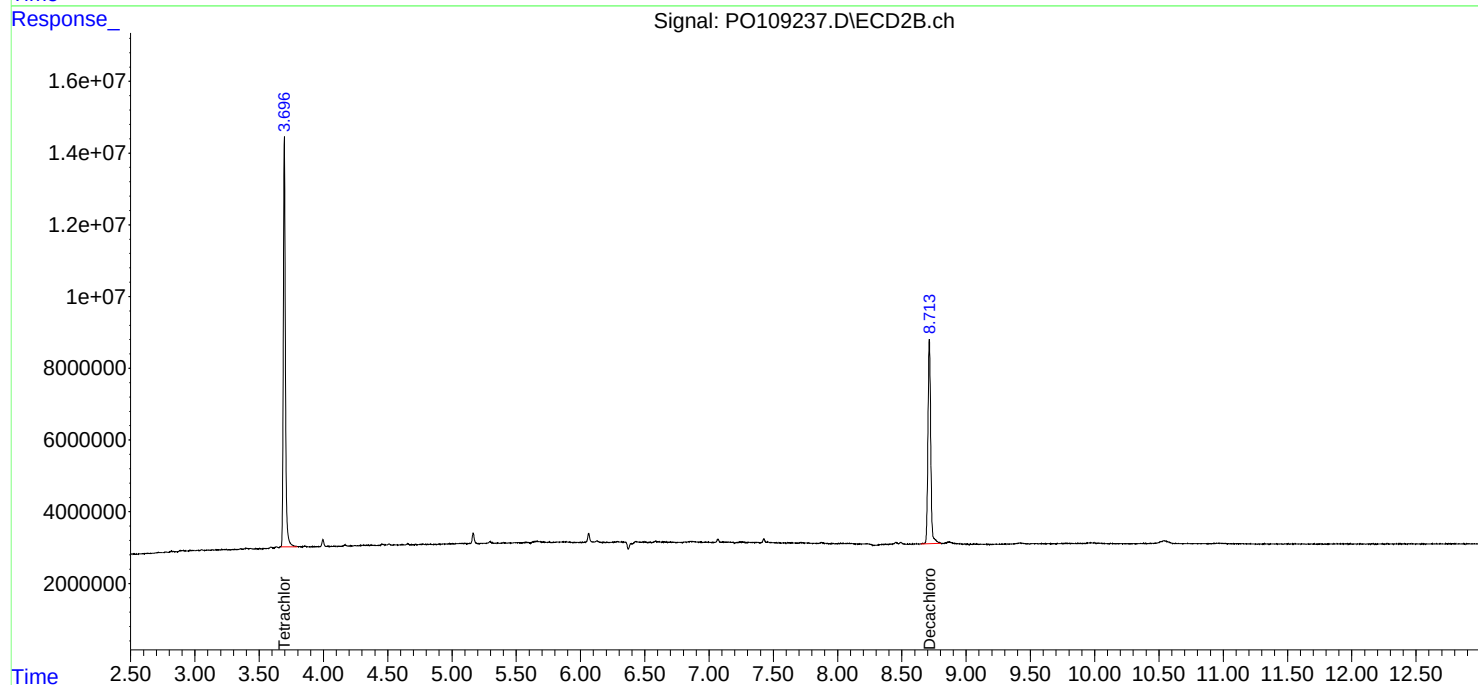
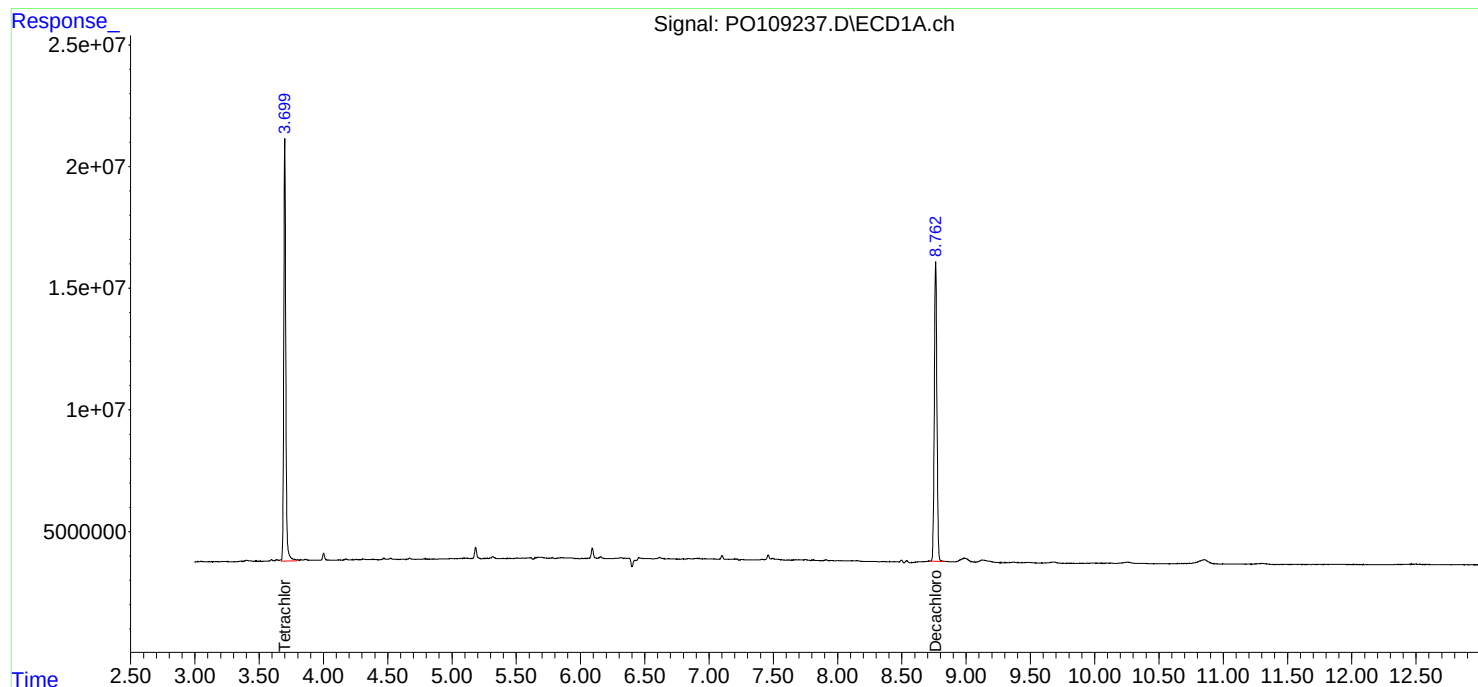
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109237.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 15:45  
Operator : YP/AJ  
Sample : PB166333BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

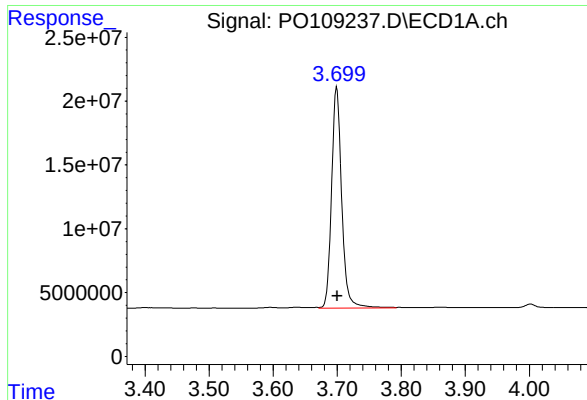
Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 16:02:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



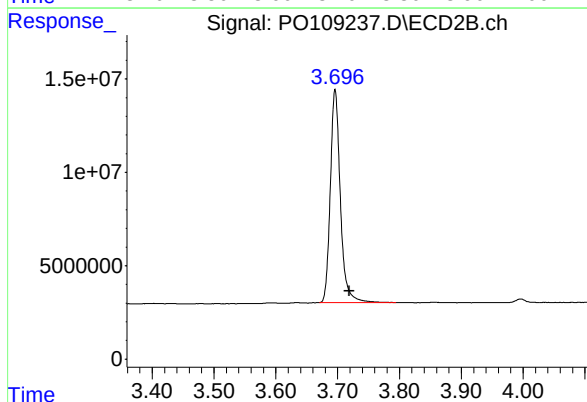




## #1 Tetrachloro-m-xylene

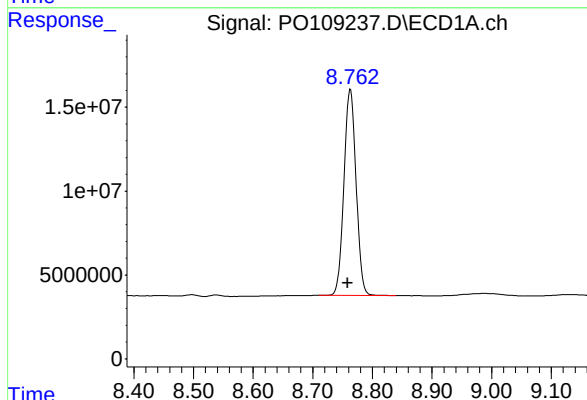
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 190086635  
Conc: 25.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BL



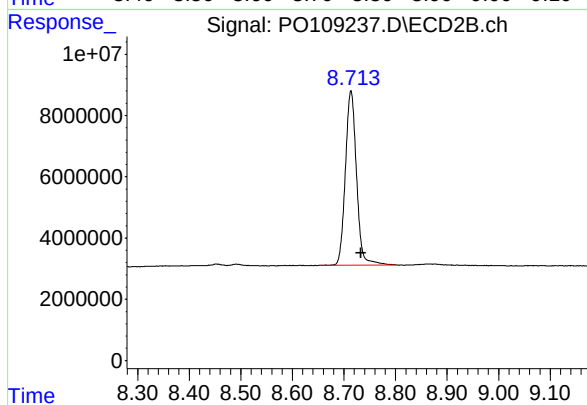
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 129042598  
Conc: 24.07 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.763 min  
Delta R.T.: 0.005 min  
Response: 173604604  
Conc: 25.06 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.714 min  
Delta R.T.: -0.019 min  
Response: 85491085  
Conc: 24.86 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/21/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/21/25 |
| Client Sample ID:  | PIBLK-PO108981.D                      | SDG No.:           | Q1207    |
| Lab Sample ID:     | I.BLK-PO108981.D                      | Matrix:            | WATER    |
| Analytical Method: | SW8082A                               | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                        | Decanted:          |          |
| Soil Aliquot Vol:  | uL                                    | Final Vol:         | 10000 uL |
| Extraction Type:   |                                       | Test:              | PCB      |
| GPC Factor :       | 1.0                                   | Injection Volume : |          |
| Prep Method :      | 5030                                  |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO108981.D        | 1         |           | 01/21/25      | PO012125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.50  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.50  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.50  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.50  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.50  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.6  |           | 60 - 140 | 103%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.6  |           | 60 - 140 | 108%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108981.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 17:18  
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: Jan 22 03:47:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.699 | 3.697 | 165.2E6 | 110.2E6  | 21.861 | 20.550 |
| 2) SA Decachlor...          | 8.759 | 8.710 | 149.9E6 | 75263032 | 21.635 | 21.887 |

Target Compounds

-----

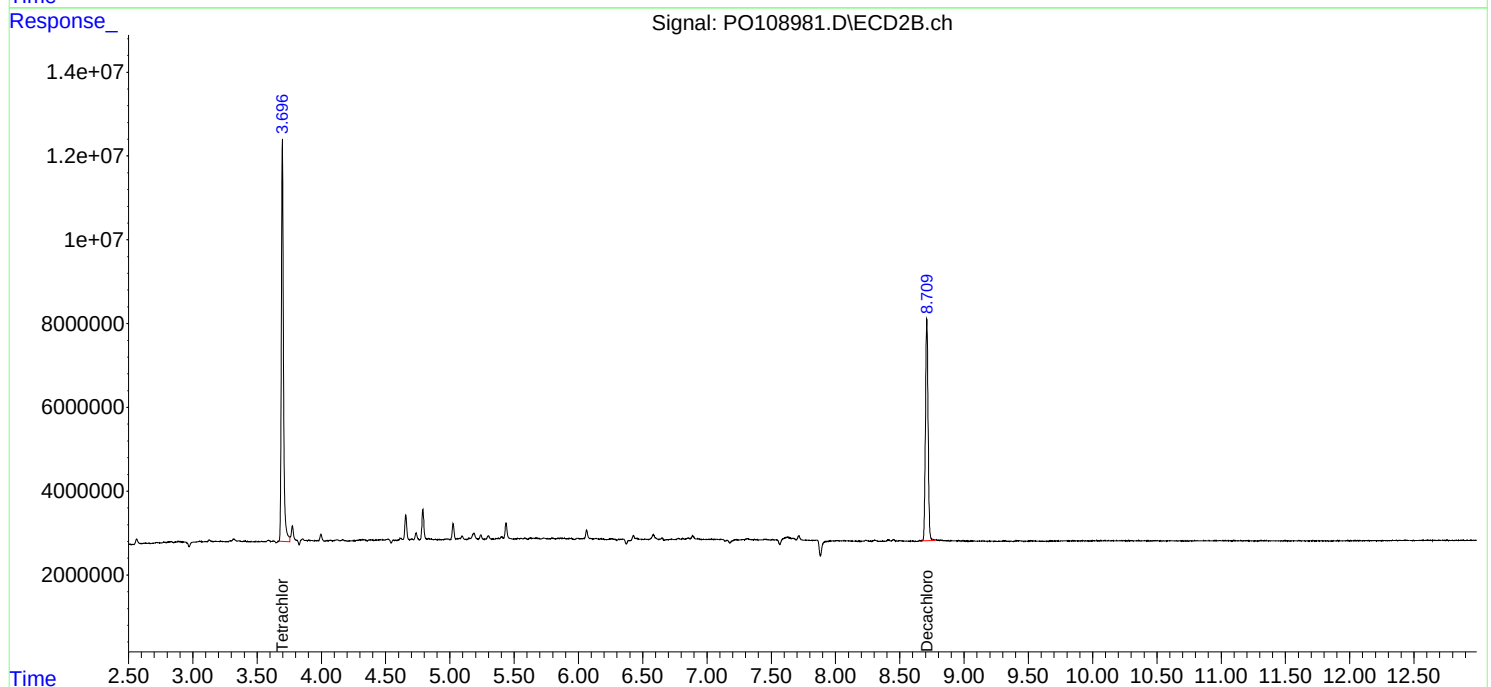
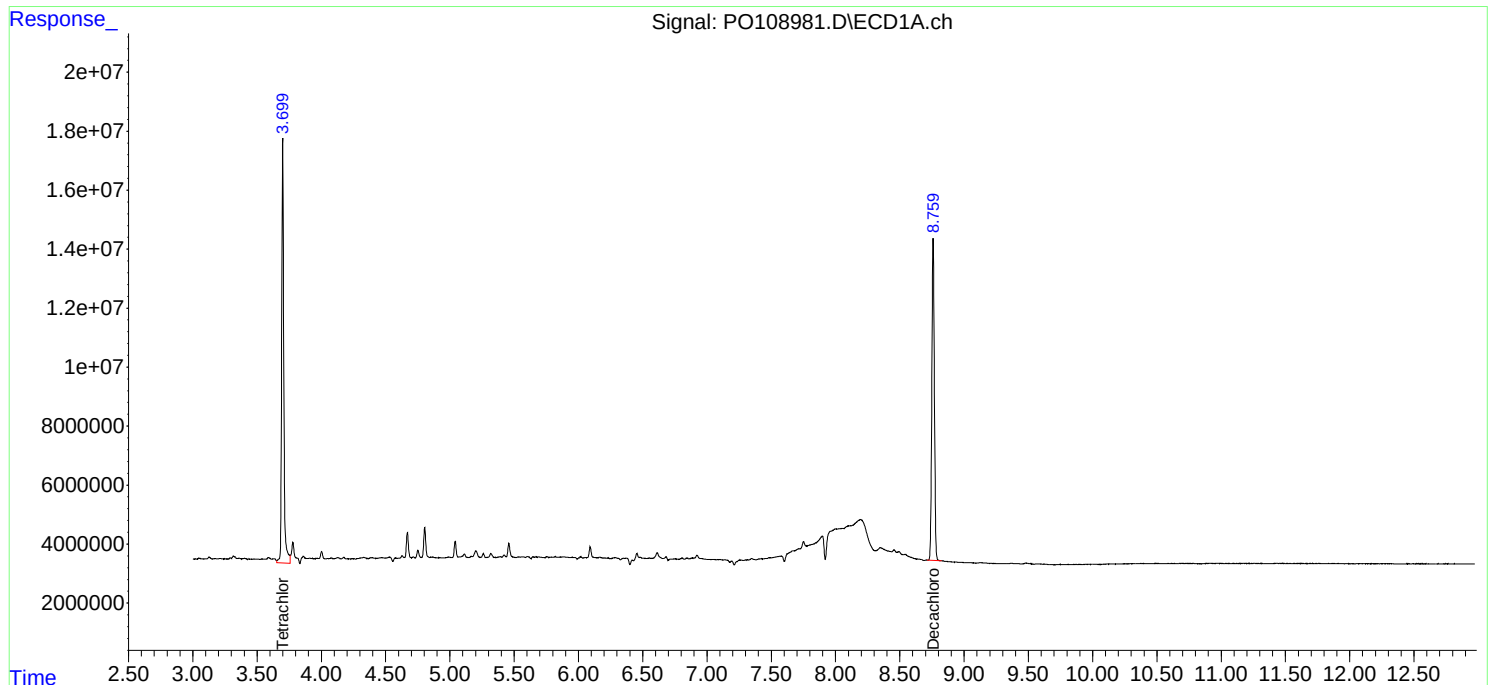
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

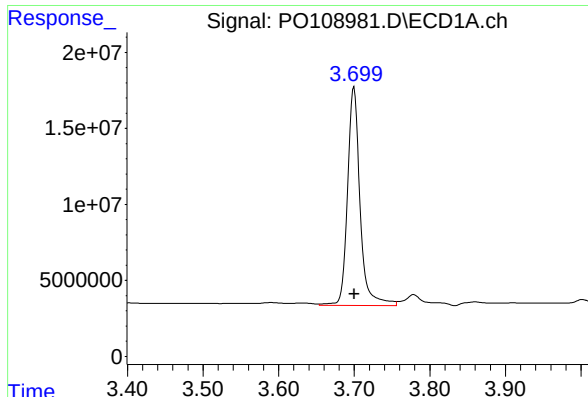
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012125\  
Data File : PO108981.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jan 2025 17:18  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 22 03:47:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

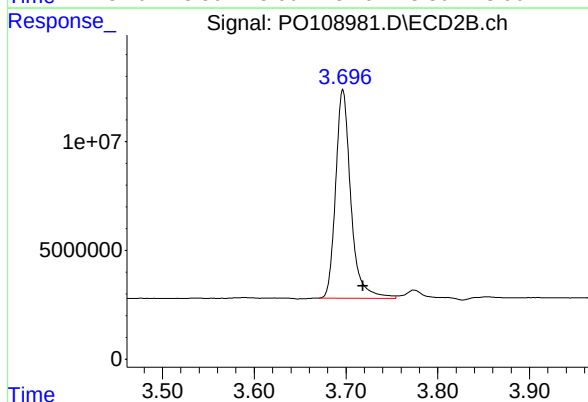




## #1 Tetrachloro-m-xylene

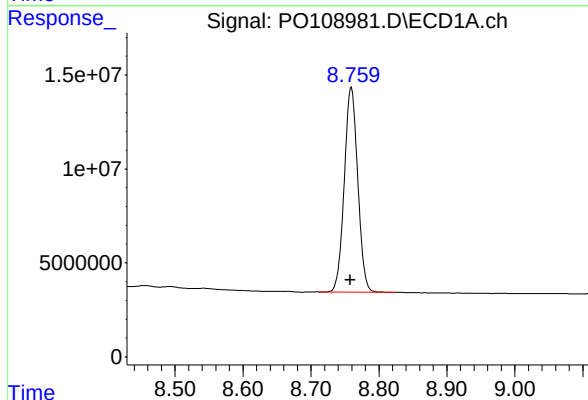
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 165192927  
Conc: 21.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



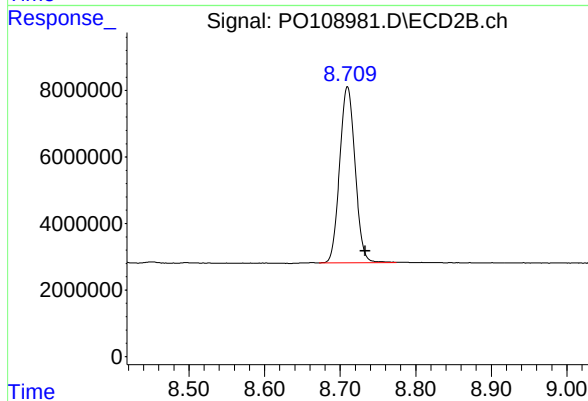
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.022 min  
Response: 110153001  
Conc: 20.55 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.001 min  
Response: 149880507  
Conc: 21.63 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.710 min  
Delta R.T.: -0.023 min  
Response: 75263032  
Conc: 21.89 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/29/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/29/25 |
| Client Sample ID:  | PIBLK-PO109228.D                      | SDG No.:           | Q1207    |
| Lab Sample ID:     | I.BLK-PO109228.D                      | Matrix:            | WATER    |
| Analytical Method: | SW8082A                               | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                        | Decanted:          |          |
| Soil Aliquot Vol:  | uL                                    | Final Vol:         | 10000 uL |
| Extraction Type:   |                                       | Test:              | PCB      |
| GPC Factor :       | 1.0                                   | Injection Volume : |          |
| Prep Method :      | 5030                                  |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109228.D        | 1         |           | 01/29/25      | Po012925      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.50  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.50  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.50  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.50  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.50  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 24.3  |           | 60 - 140 | 121%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 24.0  |           | 60 - 140 | 120%       | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109228.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 13:04  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 14:30:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.698 | 3.696 | 190.3E6 | 130.1E6  | 25.182 | 24.277 |
| 2) SA Decachlor...          | 8.762 | 8.715 | 176.2E6 | 82400526 | 25.430 | 23.962 |

Target Compounds

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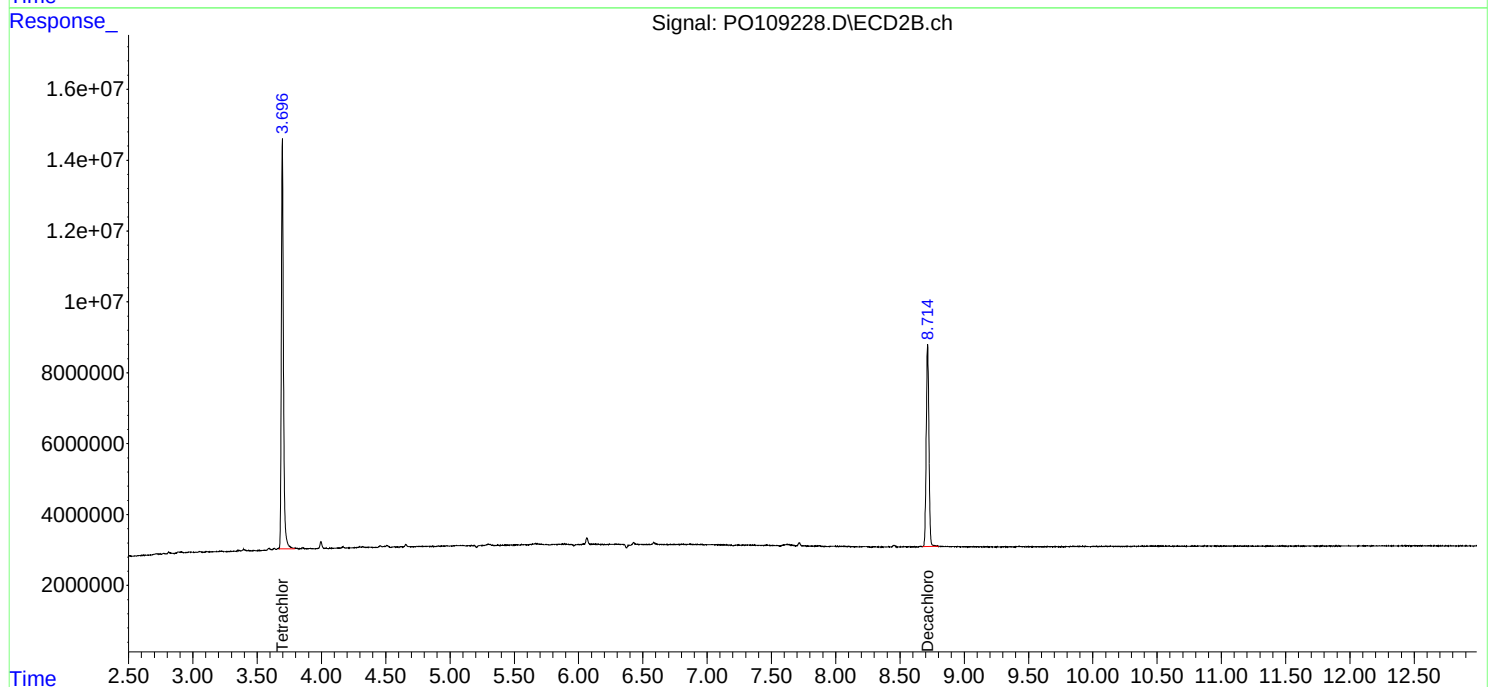
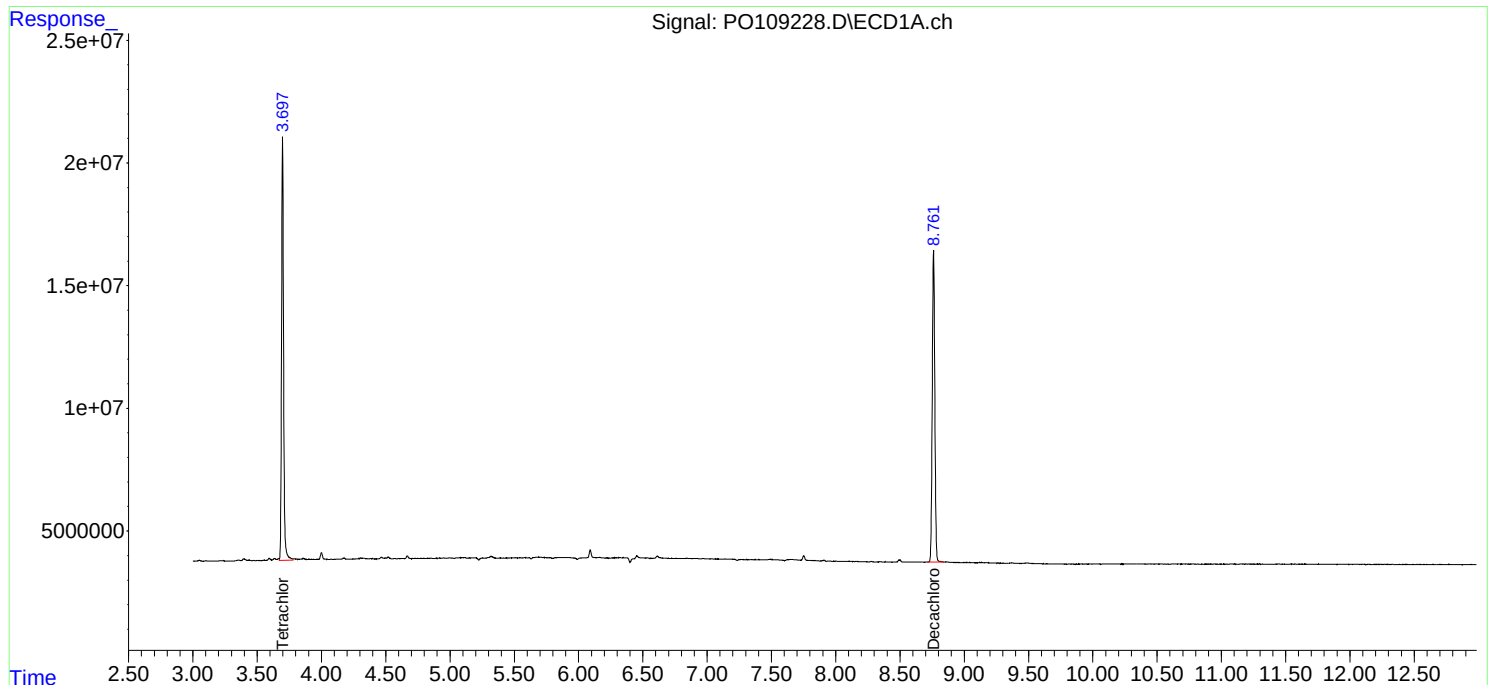
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109228.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 13:04  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

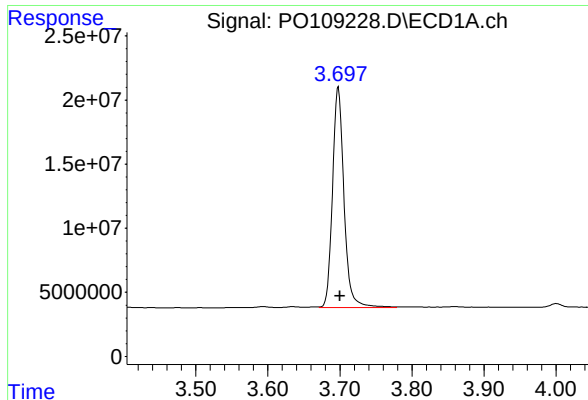
Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 14:30:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



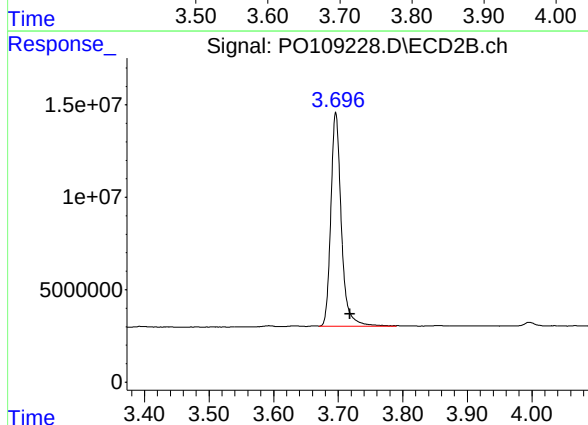




## #1 Tetrachloro-m-xylene

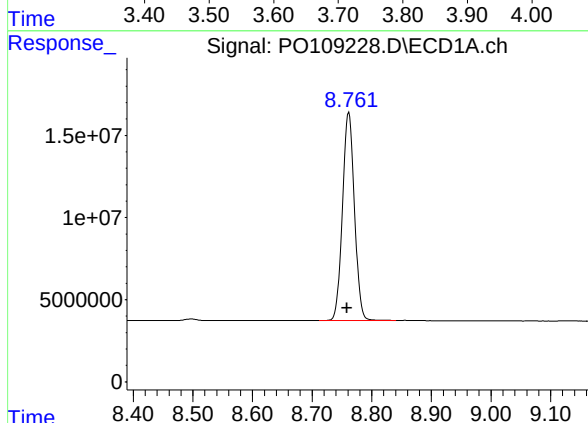
R.T.: 3.698 min  
Delta R.T.: -0.002 min  
Response: 190289431  
Conc: 25.18 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



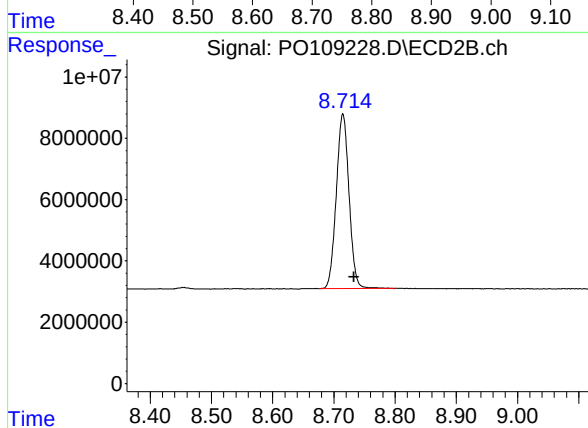
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 130133646  
Conc: 24.28 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.762 min  
Delta R.T.: 0.003 min  
Response: 176173260  
Conc: 25.43 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.715 min  
Delta R.T.: -0.018 min  
Response: 82400526  
Conc: 23.96 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/29/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/29/25 |
| Client Sample ID:  | PIBLK-PO109243.D                      | SDG No.:           | Q1207    |
| Lab Sample ID:     | I.BLK-PO109243.D                      | Matrix:            | WATER    |
| Analytical Method: | SW8082A                               | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                        | Decanted:          |          |
| Soil Aliquot Vol:  | uL                                    | Final Vol:         | 10000 uL |
| Extraction Type:   |                                       | Test:              | PCB      |
| GPC Factor :       | 1.0                                   | Injection Volume : |          |
| Prep Method :      | 5030                                  |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109243.D        | 1         |           | 01/29/25      | Po012925      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.50  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.50  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.50  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.50  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.50  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 23.7  |           | 60 - 140 | 118%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 23.6  |           | 60 - 140 | 118%       | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109243.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 18:02  
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: Jan 30 04:02:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 186.2E6 | 126.9E6  | 24.648 | 23.677 |
| 2) SA Decachlor...          | 8.762 | 8.713 | 174.9E6 | 81149709 | 25.253 | 23.599 |

Target Compounds

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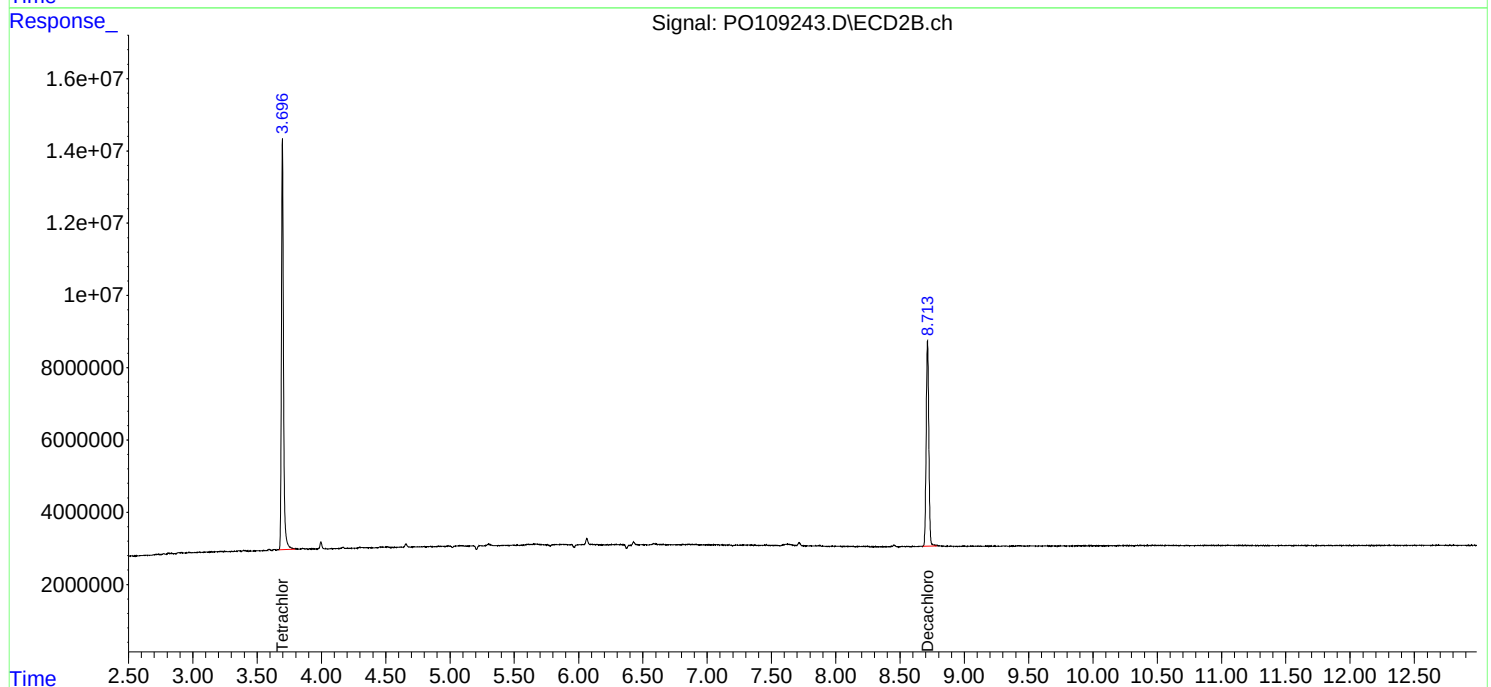
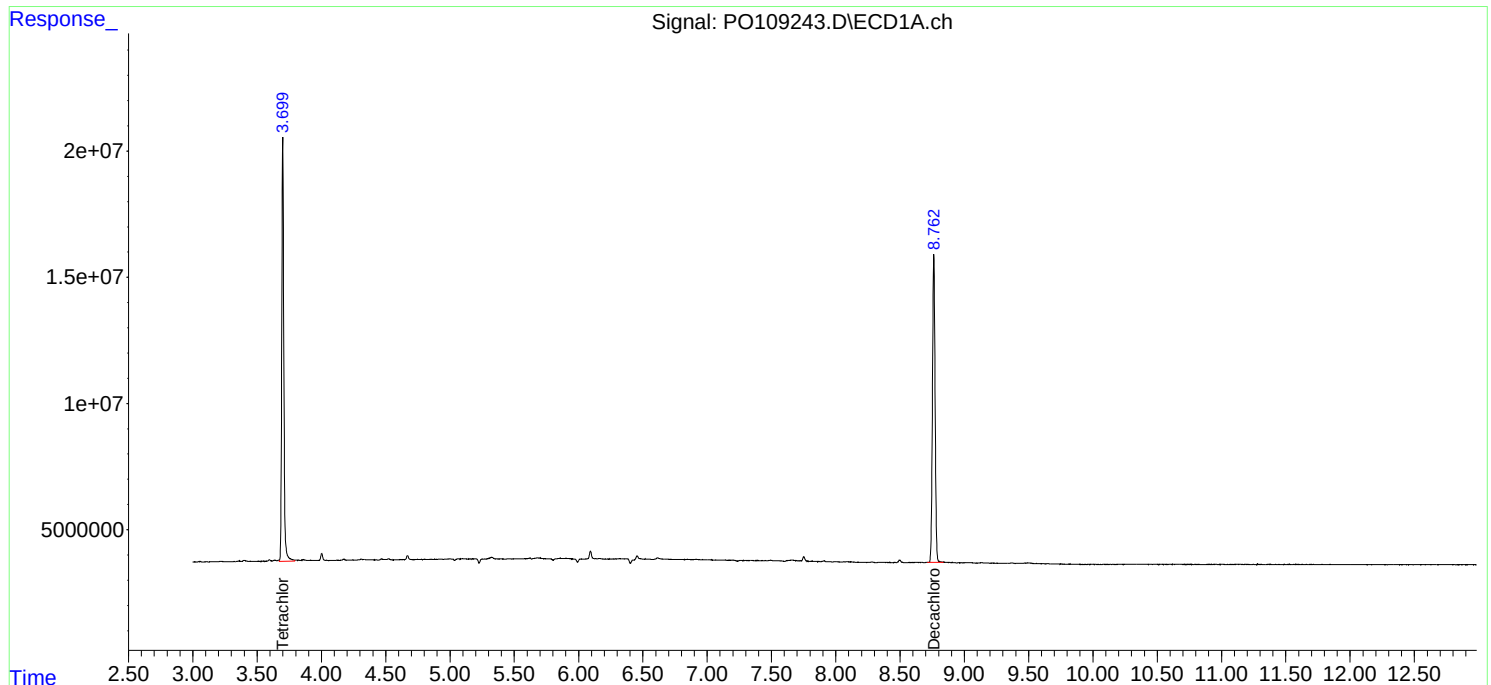
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

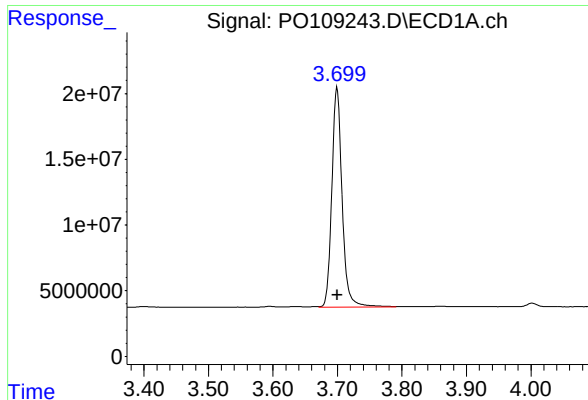
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109243.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 18:02  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:02:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

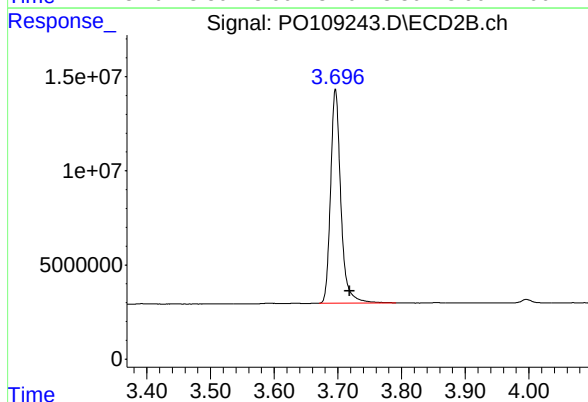




## #1 Tetrachloro-m-xylene

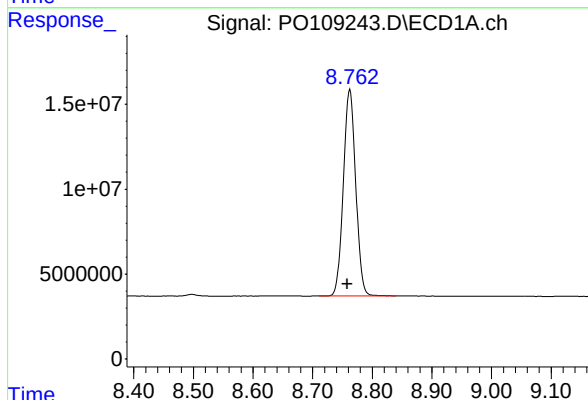
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 186247138  
Conc: 24.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



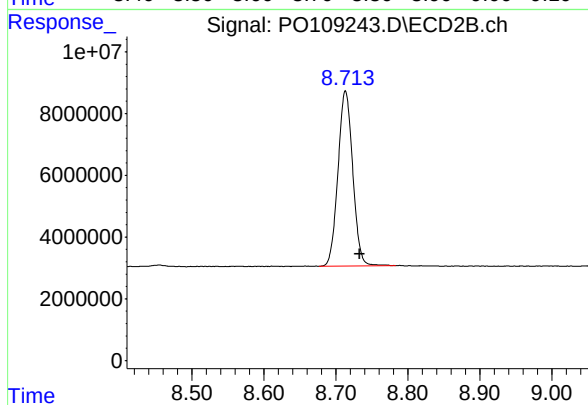
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.022 min  
Response: 126914638  
Conc: 23.68 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.762 min  
Delta R.T.: 0.004 min  
Response: 174943516  
Conc: 25.25 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.713 min  
Delta R.T.: -0.020 min  
Response: 81149709  
Conc: 23.60 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/30/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/30/25 |
| Client Sample ID:  | PIBLK-PO109258.D                      | SDG No.:           | Q1207    |
| Lab Sample ID:     | I.BLK-PO109258.D                      | Matrix:            | WATER    |
| Analytical Method: | SW8082A                               | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL                        | Decanted:          |          |
| Soil Aliquot Vol:  | uL                                    | Final Vol:         | 10000 uL |
| Extraction Type:   |                                       | Test:              | PCB      |
| GPC Factor :       | 1.0                                   | Injection Volume : |          |
| Prep Method :      | 5030                                  |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109258.D        | 1         |           | 01/30/25      | Po012925      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.50  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.50  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.50  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.50  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.50  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.50  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.50  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 23.4  |           | 60 - 140 | 117%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.9  |           | 60 - 140 | 94%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109258.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Jan 2025 01:59  
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: Jan 30 04:06:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.699 | 3.696 | 177.0E6 | 127.9E6  | 23.427 | 23.858 |
| 2) SA Decachlor...          | 8.760 | 8.710 | 130.6E6 | 70687315 | 18.859 | 20.556 |

Target Compounds

-----

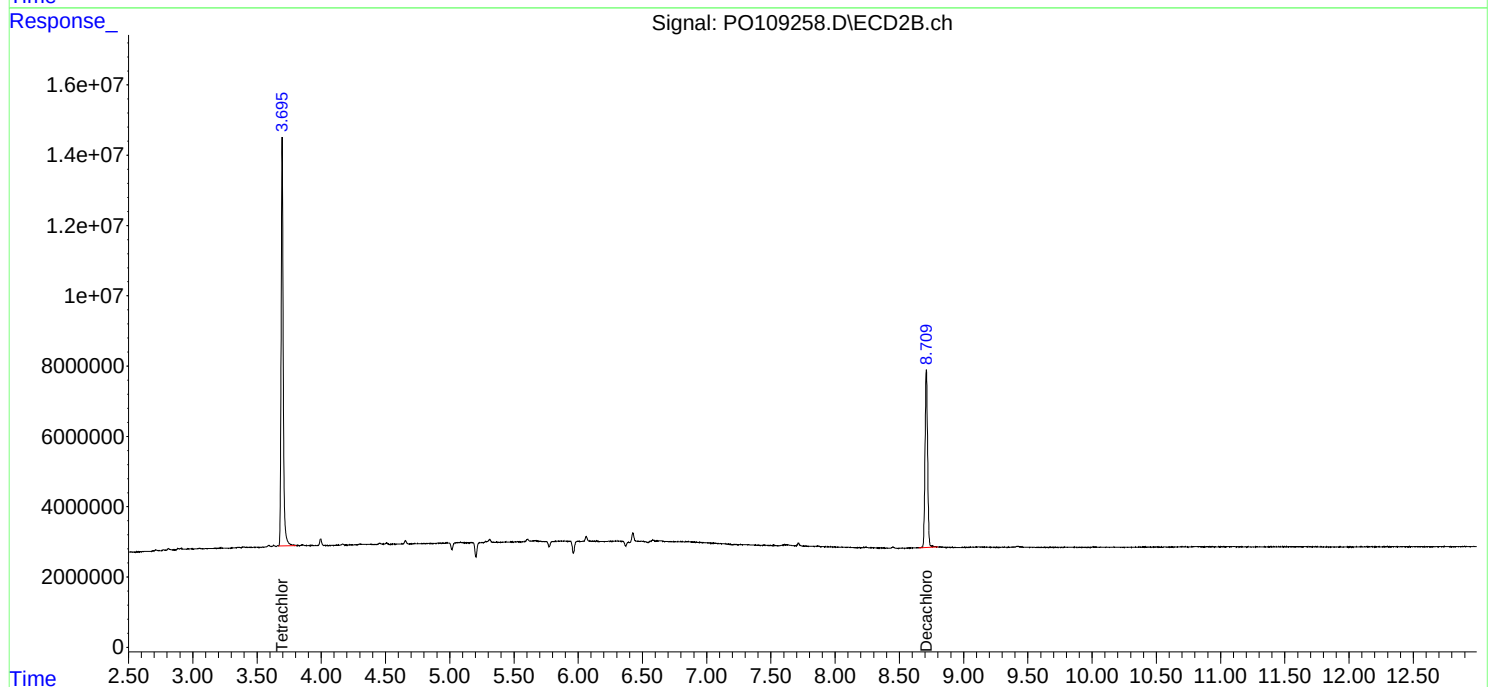
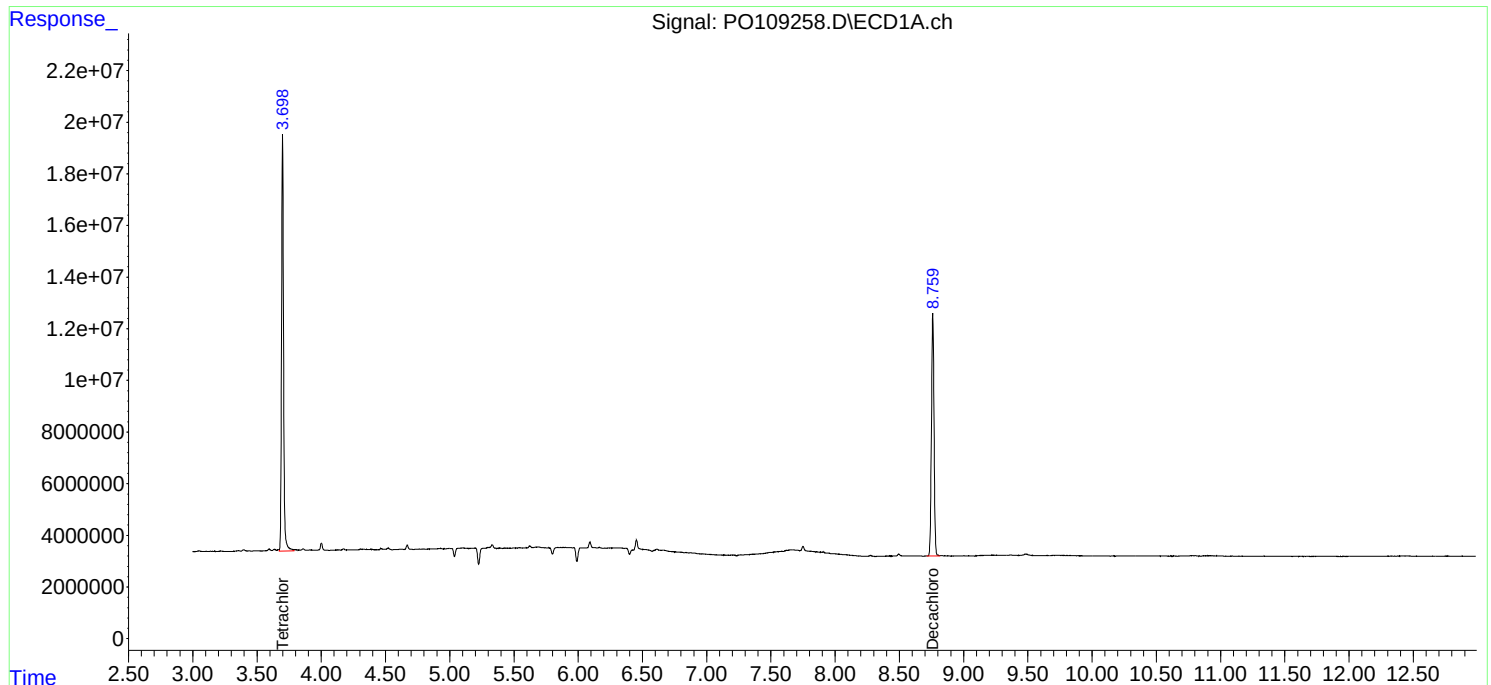
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109258.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Jan 2025 01:59  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

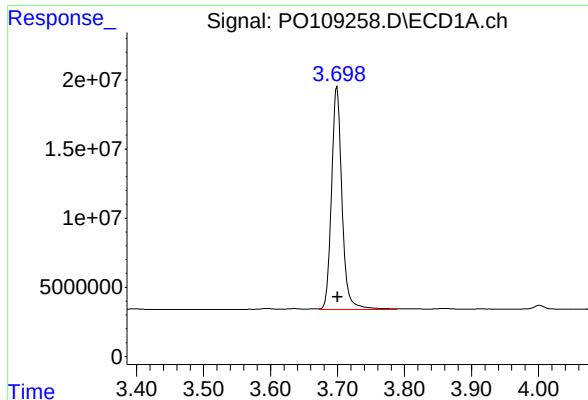
Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:06:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



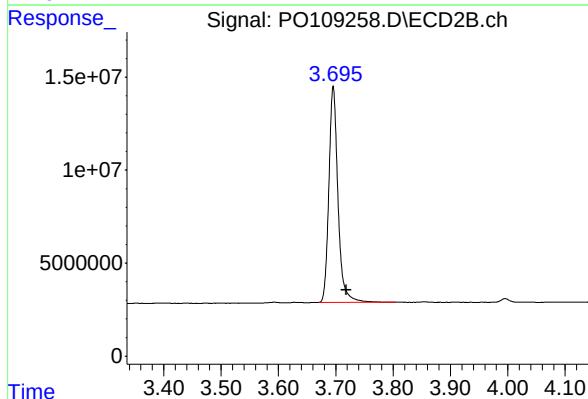




## #1 Tetrachloro-m-xylene

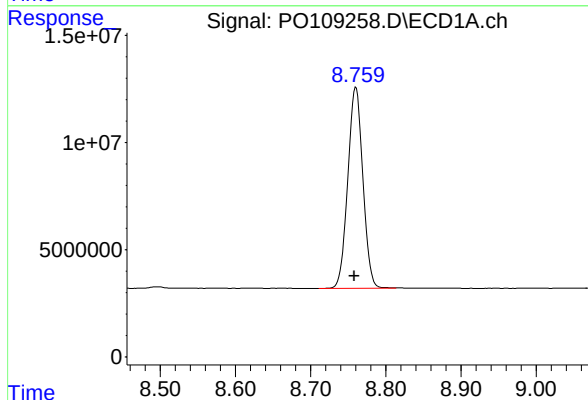
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 177022995  
Conc: 23.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



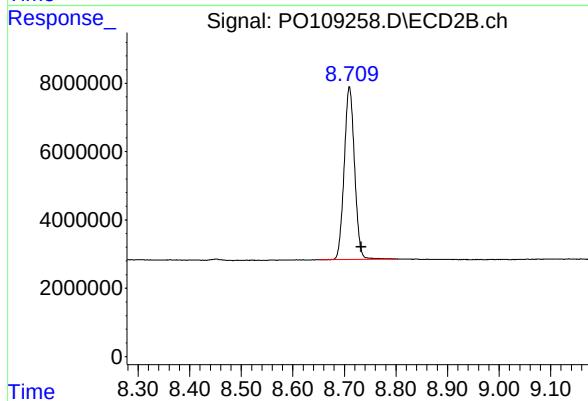
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 127888075  
Conc: 23.86 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.760 min  
Delta R.T.: 0.002 min  
Response: 130649450  
Conc: 18.86 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.710 min  
Delta R.T.: -0.023 min  
Response: 70687315  
Conc: 20.56 ng/ml

## Report of Analysis

|                    |                                       |                    |                    |
|--------------------|---------------------------------------|--------------------|--------------------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    |                    |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     |                    |
| Client Sample ID:  | PB166333BS                            | SDG No.:           | Q1207              |
| Lab Sample ID:     | PB166333BS                            | Matrix:            | SOIL               |
| Analytical Method: | SW8082A                               | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.03      Units:    g                | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB                |
| Extraction Type:   |                                       | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :                         |                    |                    |
| Prep Method :      | SW3541B                               |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109238.D        | 1         | 01/29/25 08:55 | 01/29/25 16:02 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 169   |           | 3.40     | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 17.0  | U         | 6.40     | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 17.0  | U         | 7.90     | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 17.0  | U         | 2.70     | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 17.0  | U         | 4.60     | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 17.0  | U         | 3.40     | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 159   |           | 2.90     | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 23.9  |           | 32 - 144 | 120%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 25.7  |           | 32 - 175 | 129%       | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109238.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 16:02  
 Operator : YP/AJ  
 Sample : PB166333BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

PB166333BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 16:12:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.697 | 3.696 | 180.8E6  | 124.1E6  | 23.932  | 23.146m  |
| 2) SA Decachlor...          | 8.761 | 8.712 | 178.1E6  | 82501044 | 25.712  | 23.992   |
| Target Compounds            |       |       |          |          |         |          |
| 3) L1 AR-1016-1             | 4.793 | 4.780 | 130.9E6  | 87810672 | 518.857 | 542.316m |
| 4) L1 AR-1016-2             | 4.813 | 4.799 | 176.6E6  | 113.3E6  | 512.040 | 475.601m |
| 5) L1 AR-1016-3             | 4.869 | 4.976 | 124.0E6  | 63849197 | 508.126 | 489.724m |
| 6) L1 AR-1016-4             | 4.990 | 5.017 | 97604396 | 52427015 | 511.475 | 474.373m |
| 7) L1 AR-1016-5             | 5.247 | 5.230 | 102.6E6  | 67155013 | 491.325 | 467.839m |
| 31) L7 AR-1260-1            | 6.290 | 6.265 | 197.7E6  | 126.4E6  | 518.695 | 501.441  |
| 32) L7 AR-1260-2            | 6.478 | 6.452 | 240.3E6  | 147.8E6  | 511.654 | 491.325  |
| 33) L7 AR-1260-3            | 6.848 | 6.605 | 174.3E6  | 138.4E6  | 445.096 | 497.063  |
| 34) L7 AR-1260-4            | 7.109 | 7.077 | 163.2E6  | 96124984 | 455.917 | 425.989m |
| 35) L7 AR-1260-5            | 7.350 | 7.318 | 383.3E6  | 218.8E6  | 459.233 | 436.912  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109238.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 16:02  
Operator : YP/AJ  
Sample : PB166333BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

PB166333BS

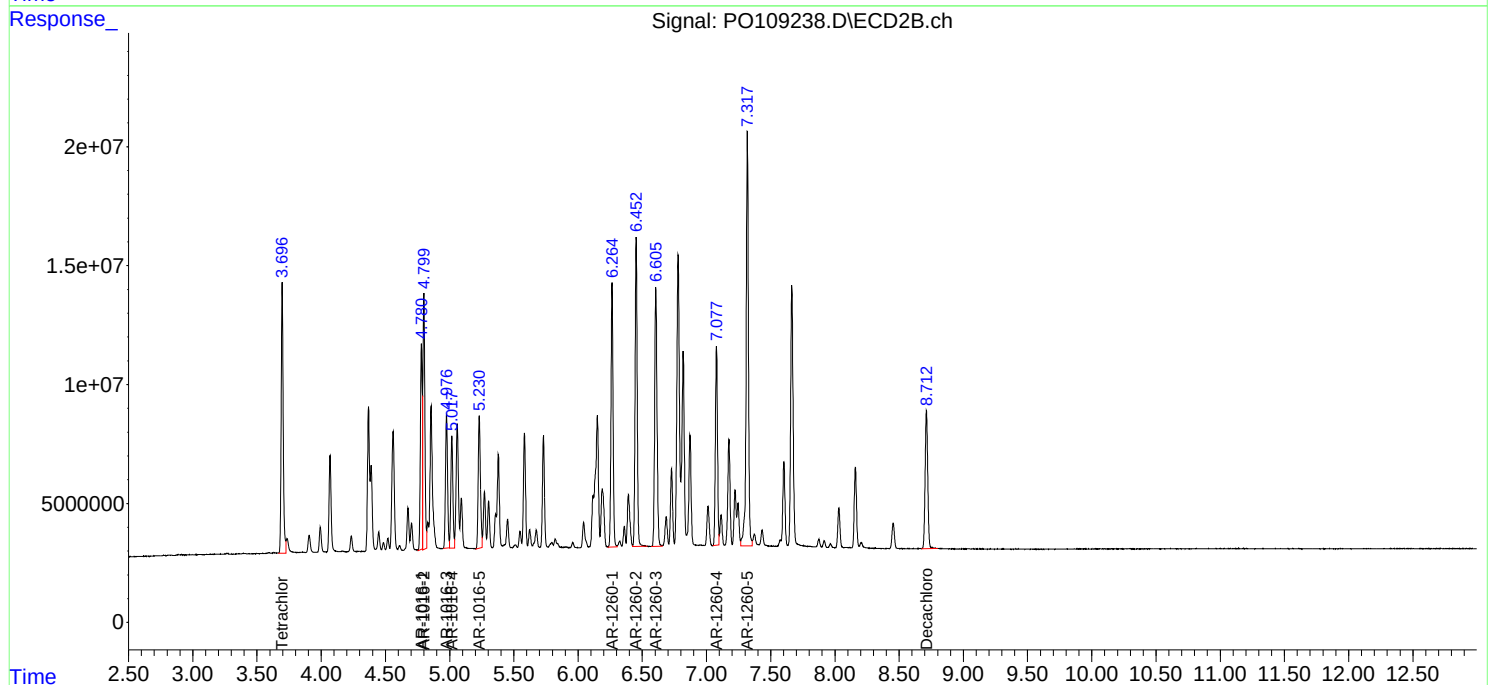
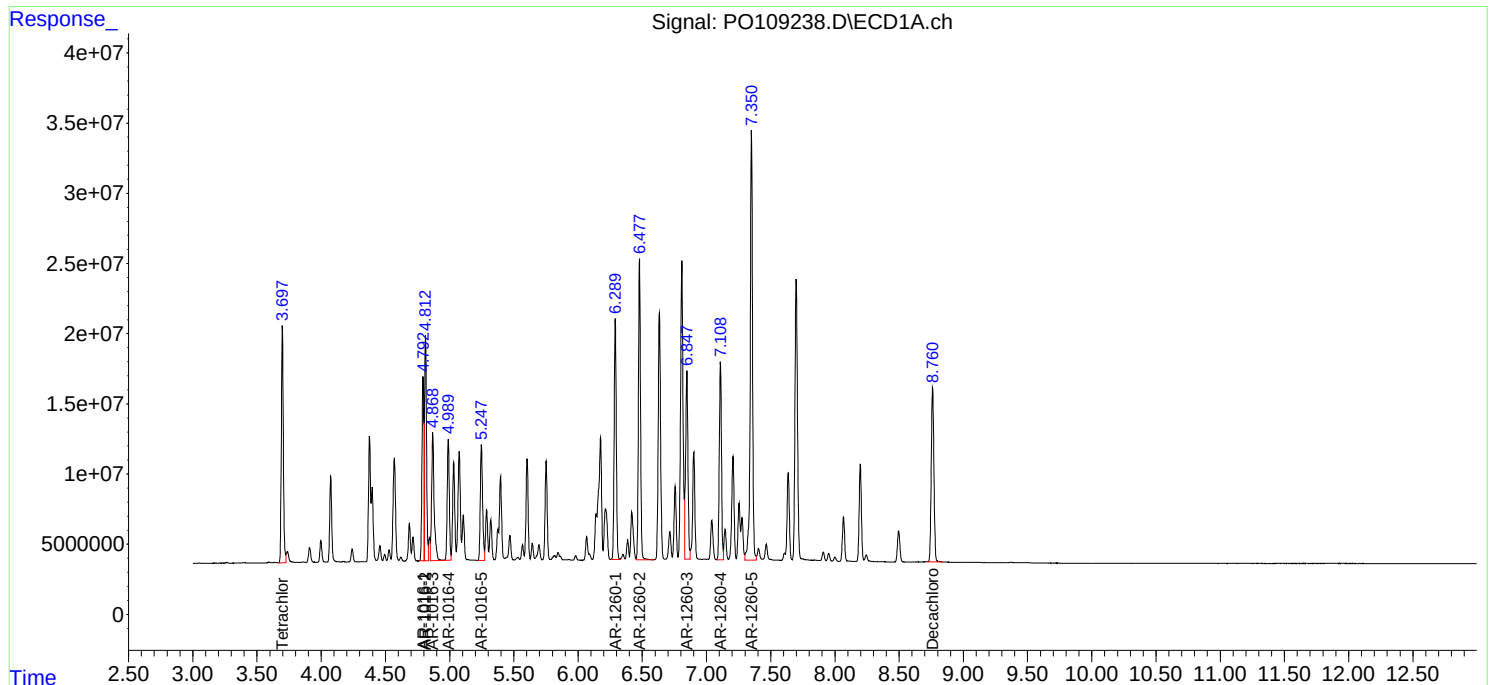
## Manual Integrations

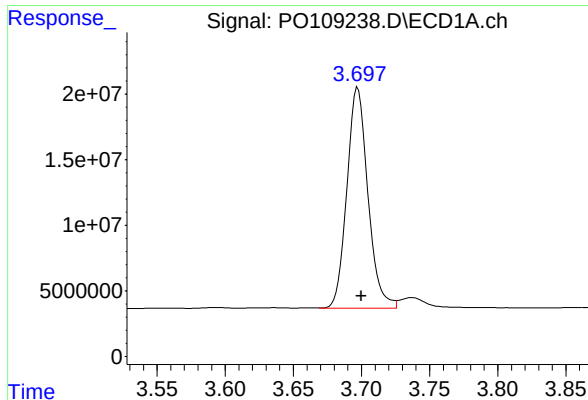
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 16:12:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.003 min  
Response: 180842404  
Conc: 23.93 ng/ml

Instrument :

ECD\_O

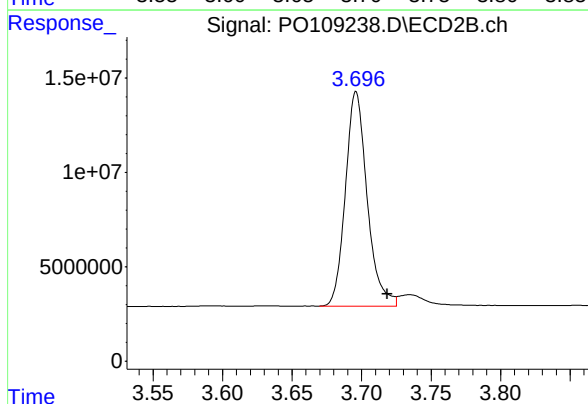
ClientSampleId :

PB166333BS

## Manual Integrations

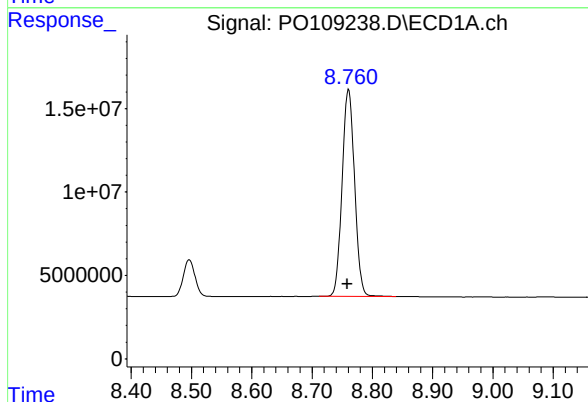
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



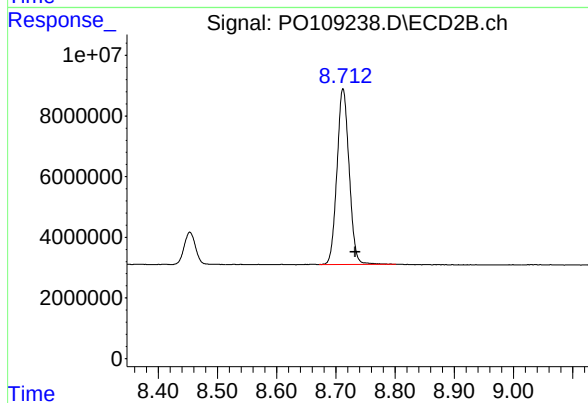
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 124068545  
Conc: 23.15 ng/ml



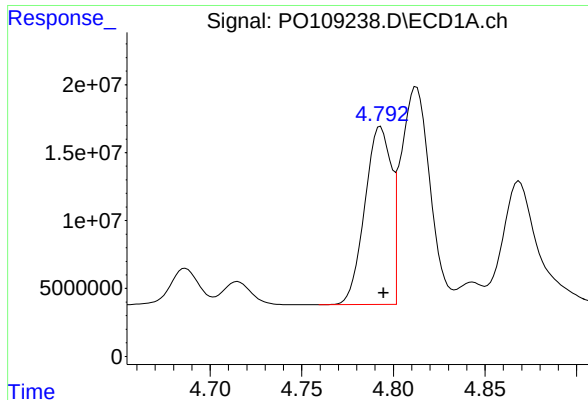
## #2 Decachlorobiphenyl

R.T.: 8.761 min  
Delta R.T.: 0.003 min  
Response: 178125075  
Conc: 25.71 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: -0.021 min  
Response: 82501044  
Conc: 23.99 ng/ml



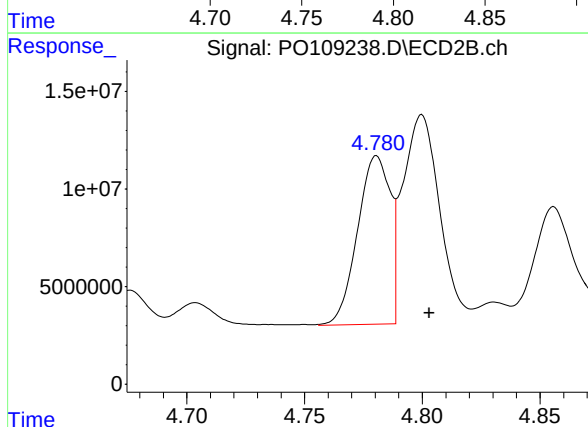
#3 AR-1016-1

R.T.: 4.793 min  
Delta R.T.: -0.002 min  
Response: 130900716  
Conc: 518.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BS

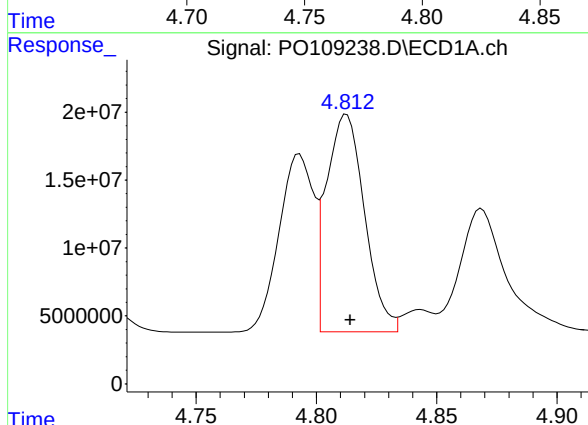
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



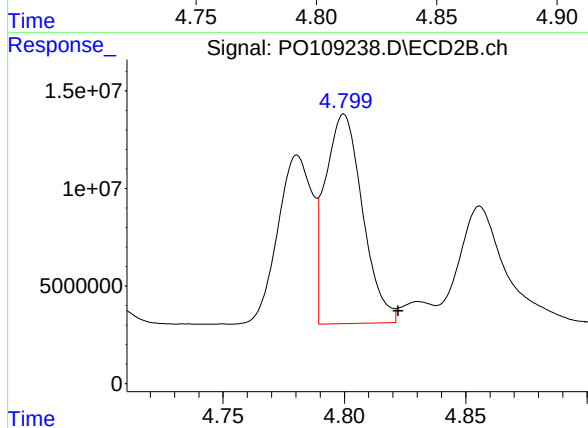
#3 AR-1016-1

R.T.: 4.780 min  
Delta R.T.: -0.023 min  
Response: 87810672  
Conc: 542.32 ng/ml



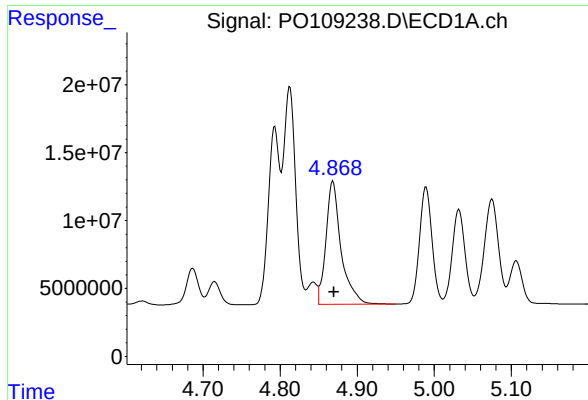
#4 AR-1016-2

R.T.: 4.813 min  
Delta R.T.: -0.002 min  
Response: 176594926  
Conc: 512.04 ng/ml



#4 AR-1016-2

R.T.: 4.799 min  
Delta R.T.: -0.023 min  
Response: 113305489  
Conc: 475.60 ng/ml



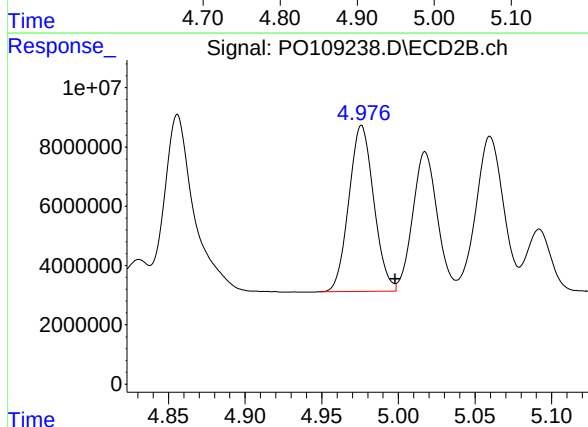
#5 AR-1016-3

R.T.: 4.869 min  
Delta R.T.: -0.001 min  
Response: 124041895  
Conc: 508.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BS

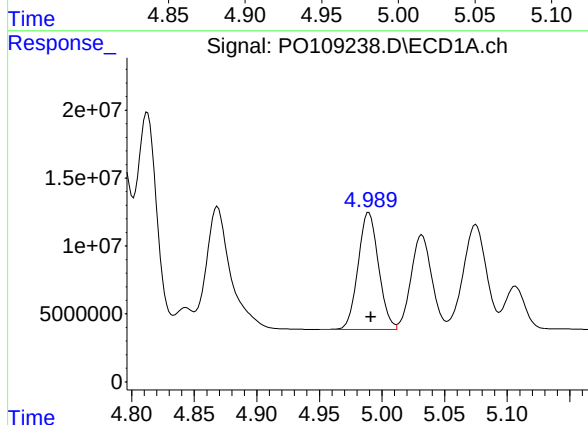
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



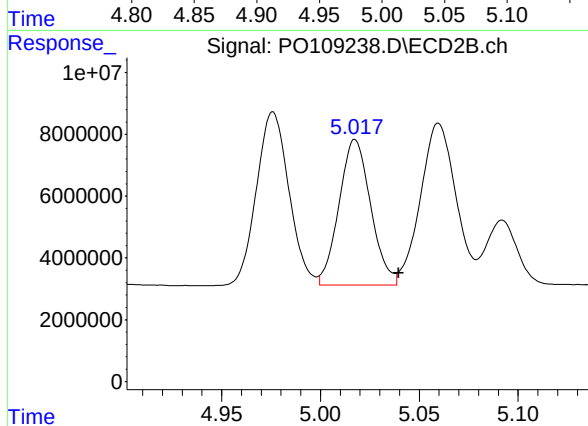
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 63849197  
Conc: 489.72 ng/ml



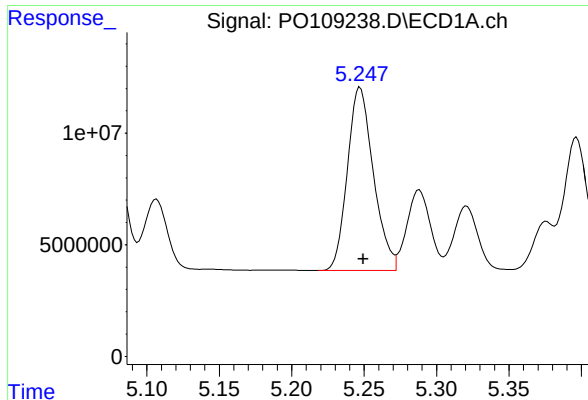
#6 AR-1016-4

R.T.: 4.990 min  
Delta R.T.: -0.002 min  
Response: 97604396  
Conc: 511.48 ng/ml



#6 AR-1016-4

R.T.: 5.017 min  
Delta R.T.: -0.023 min  
Response: 52427015  
Conc: 474.37 ng/ml



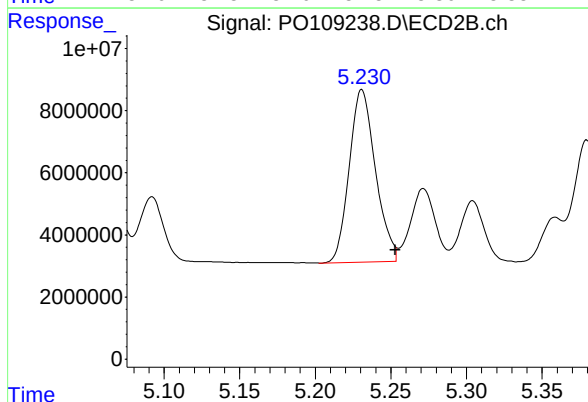
#7 AR-1016-5

R.T.: 5.247 min  
Delta R.T.: -0.002 min  
Response: 102569862  
Conc: 491.33 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BS

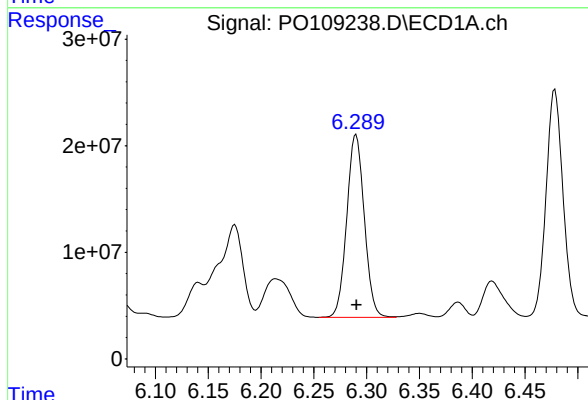
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



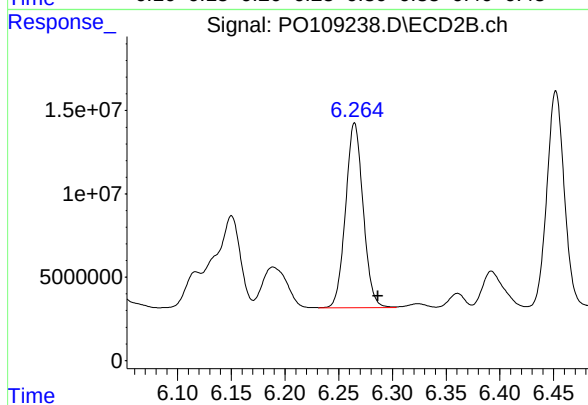
#7 AR-1016-5

R.T.: 5.230 min  
Delta R.T.: -0.022 min  
Response: 67155013  
Conc: 467.84 ng/ml



#31 AR-1260-1

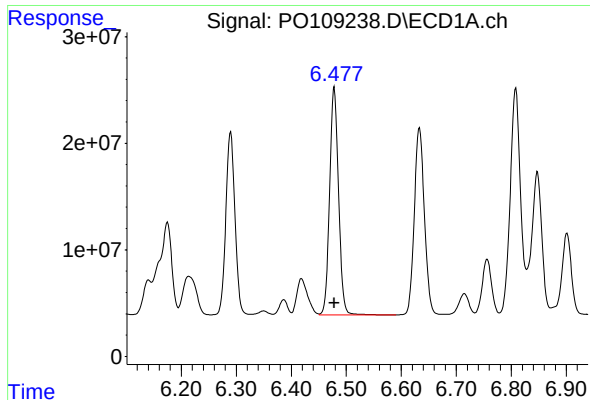
R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 197703380  
Conc: 518.69 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.022 min  
Response: 126387537  
Conc: 501.44 ng/ml





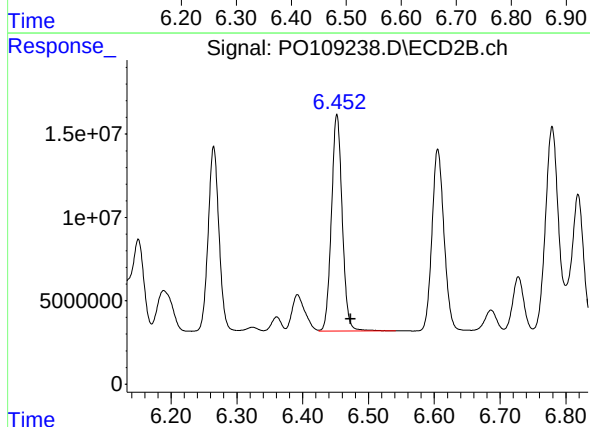
#32 AR-1260-2

R.T.: 6.478 min  
Delta R.T.: 0.000 min  
Response: 240262574  
Conc: 511.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BS

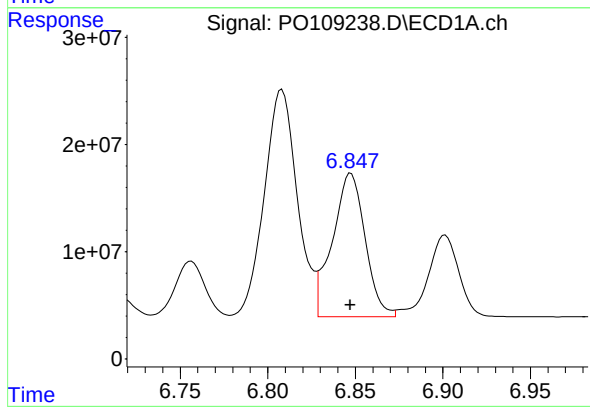
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



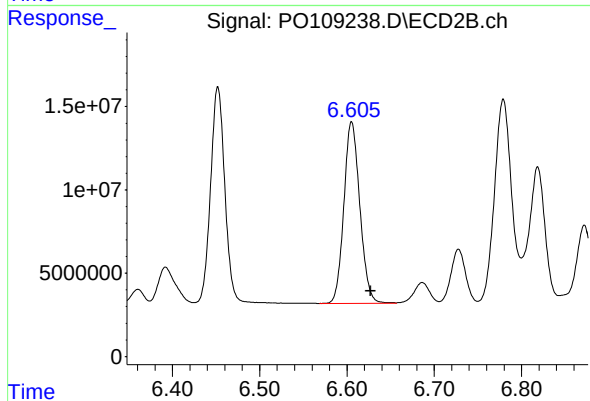
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 147792863  
Conc: 491.33 ng/ml



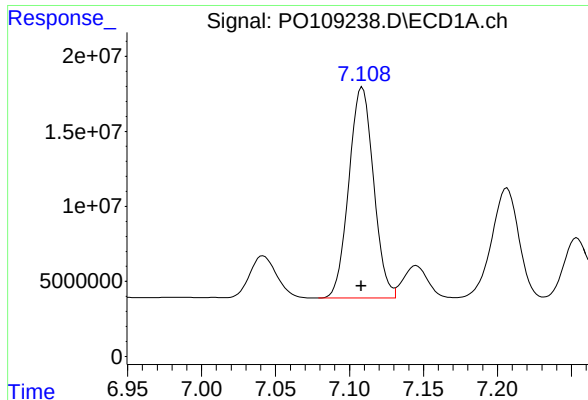
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 174282698  
Conc: 445.10 ng/ml



#33 AR-1260-3

R.T.: 6.605 min  
Delta R.T.: -0.022 min  
Response: 138375493  
Conc: 497.06 ng/ml



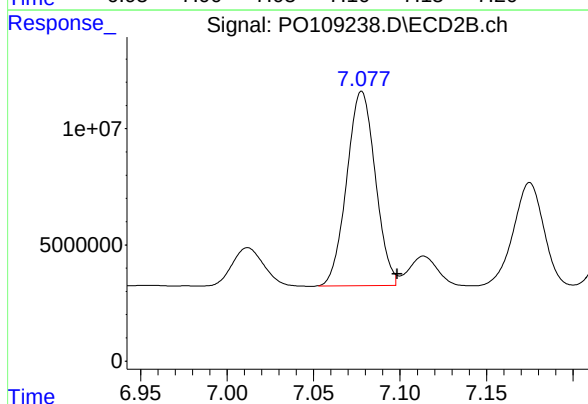
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.000 min  
Response: 163199035  
Conc: 455.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB166333BS

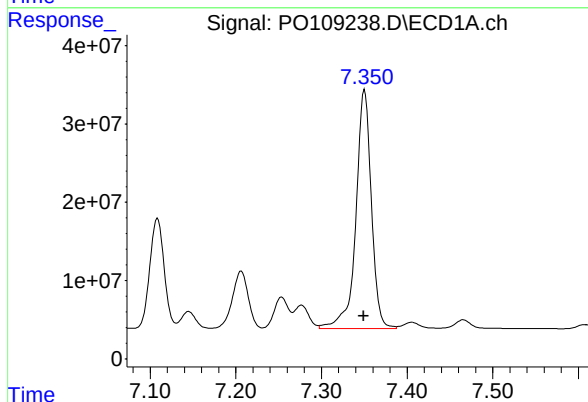
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



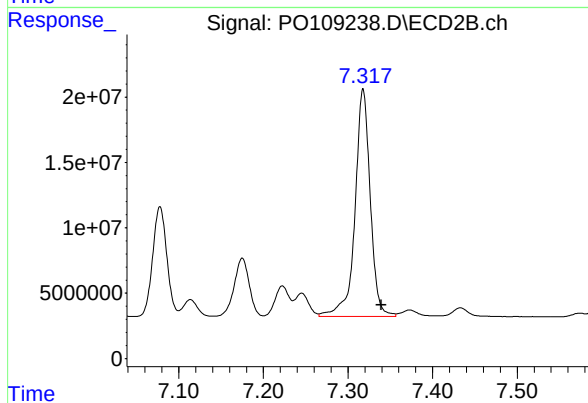
#34 AR-1260-4

R.T.: 7.077 min  
Delta R.T.: -0.021 min  
Response: 96124984  
Conc: 425.99 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.001 min  
Response: 383274180  
Conc: 459.23 ng/ml



#35 AR-1260-5

R.T.: 7.318 min  
Delta R.T.: -0.021 min  
Response: 218753376  
Conc: 436.91 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/28/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25 |
| Client Sample ID:  | VNJ-236MS                             | SDG No.:           | Q1207    |
| Lab Sample ID:     | Q1205-01MS                            | Matrix:            | SOIL     |
| Analytical Method: | SW8082A                               | % Solid:           | 87.2     |
| Sample Wt/Vol:     | 30.06                                 | Units:             | g        |
| Soil Aliquot Vol:  |                                       |                    | uL       |
| Extraction Type:   |                                       | Test:              | PCB      |
| GPC Factor :       | 1.0                                   | PH :               |          |
| Prep Method :      | SW3541B                               | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109245.D        | 1         | 01/29/25 08:55 | 01/29/25 18:37 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 182   |           | 3.90     | 19.5       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 19.5  | U         | 7.30     | 19.5       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 19.5  | U         | 3.90     | 19.5       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 19.5  | U         | 3.90     | 19.5       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19.5  | U         | 9.00     | 19.5       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 19.5  | U         | 3.10     | 19.5       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 19.5  | U         | 5.20     | 19.5       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 19.5  | U         | 3.90     | 19.5       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 177   |           | 3.30     | 19.5       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 19.5  |           | 32 - 144 | 98%        | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 16.1  |           | 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 &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
 Data File : PO109245.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 18:37  
 Operator : YP/AJ  
 Sample : Q1205-01MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

VNJ-236MS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:03:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.697 | 3.696 | 147.5E6  | 101.1E6  | 19.525m | 18.855m  |
| 2) SA Decachlor...          | 8.761 | 8.712 | 111.3E6  | 54111403 | 16.069m | 15.736   |
| Target Compounds            |       |       |          |          |         |          |
| 3) L1 AR-1016-1             | 4.793 | 4.780 | 125.1E6  | 71201517 | 495.817 | 439.738m |
| 4) L1 AR-1016-2             | 4.812 | 4.800 | 166.7E6  | 113.1E6  | 483.440 | 474.561m |
| 5) L1 AR-1016-3             | 4.868 | 4.976 | 118.4E6  | 61055127 | 484.824 | 468.294m |
| 6) L1 AR-1016-4             | 4.990 | 5.017 | 90467731 | 52255298 | 474.077 | 472.819m |
| 7) L1 AR-1016-5             | 5.247 | 5.231 | 94507435 | 63642203 | 452.705 | 443.367m |
| 31) L7 AR-1260-1            | 6.290 | 6.265 | 189.6E6  | 123.3E6  | 497.502 | 489.188  |
| 32) L7 AR-1260-2            | 6.480 | 6.452 | 244.1E6  | 155.0E6  | 519.752 | 515.300m |
| 33) L7 AR-1260-3            | 6.848 | 6.606 | 154.7E6  | 126.7E6  | 395.077 | 455.057  |
| 34) L7 AR-1260-4            | 7.110 | 7.078 | 169.2E6  | 104.8E6  | 472.712 | 464.326m |
| 35) L7 AR-1260-5            | 7.350 | 7.318 | 342.2E6  | 200.2E6  | 410.046 | 399.919  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109245.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 18:37  
Operator : YP/AJ  
Sample : Q1205-01MS  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

VNJ-236MS

## Manual Integrations

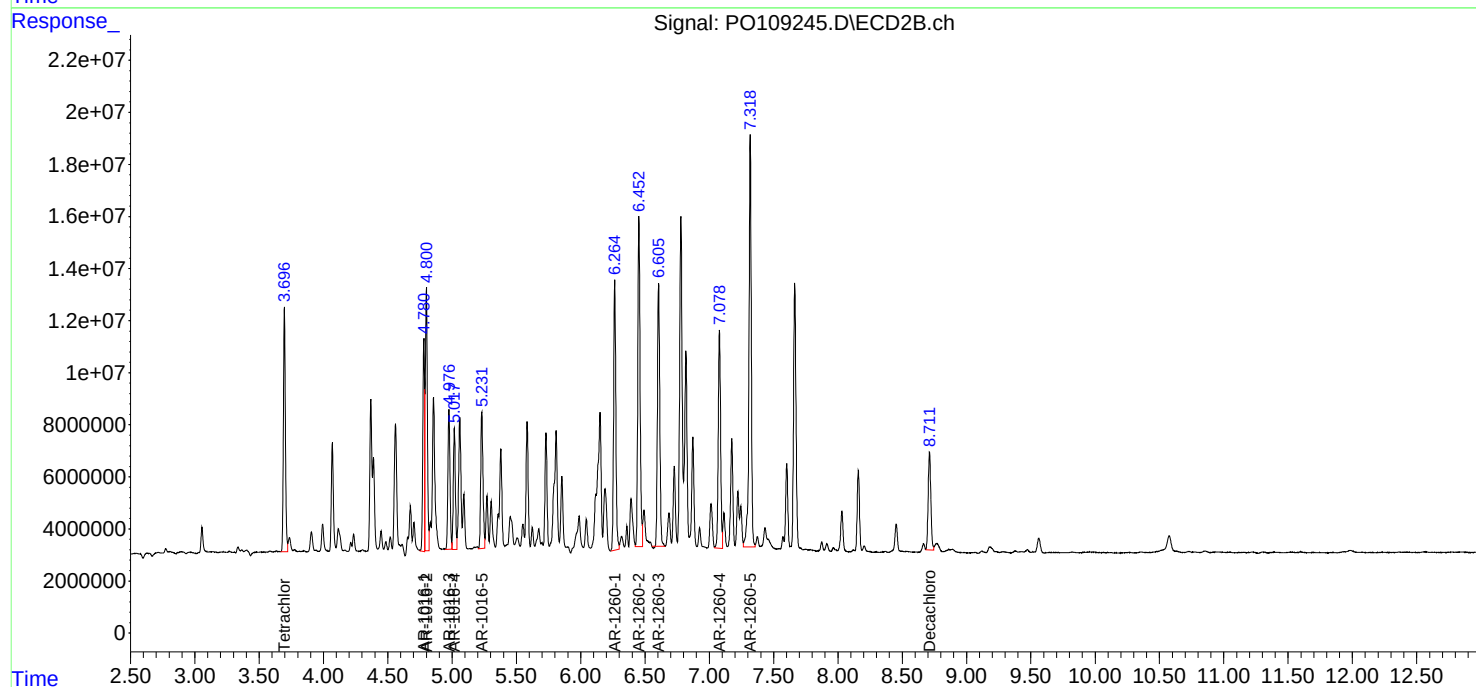
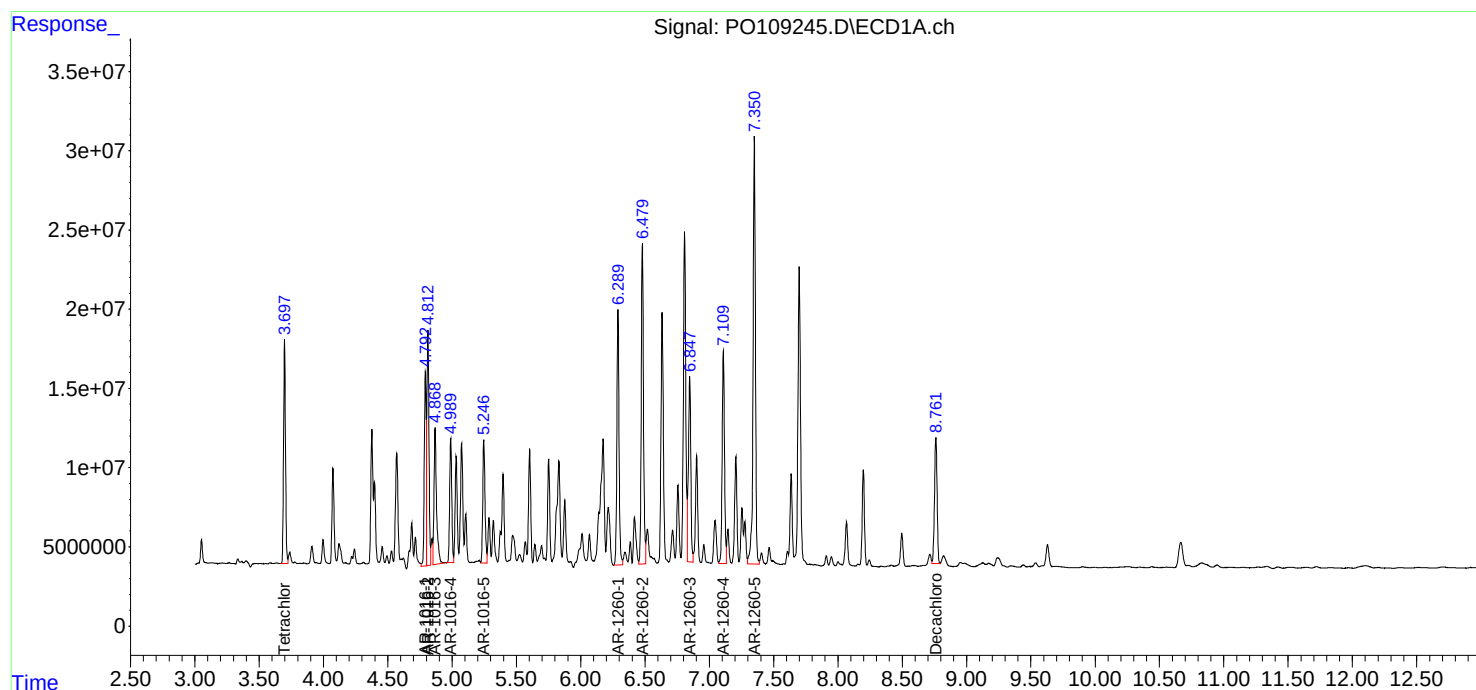
APPROVED

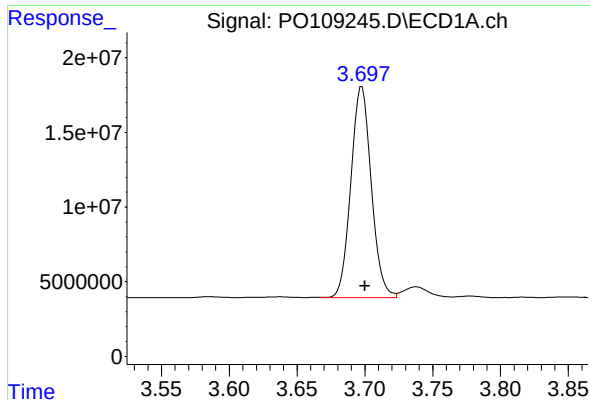
Reviewed By :Yogesh Patel 01/30/2025

Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:03:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





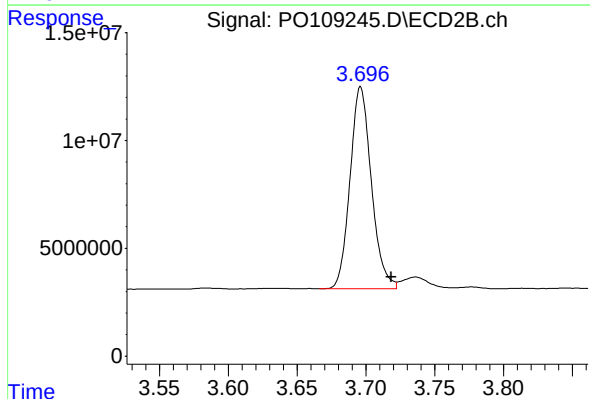
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.003 min  
Response: 147538884  
Conc: 19.52 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

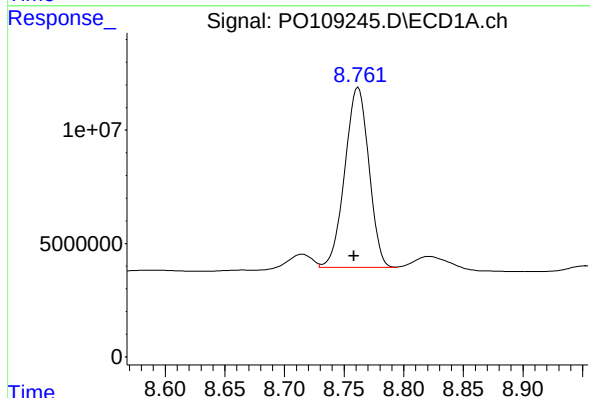
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



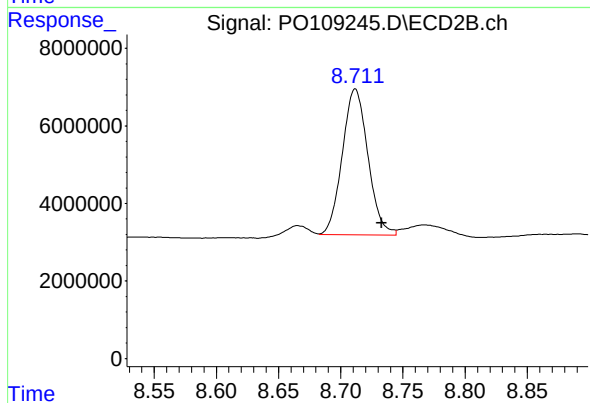
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
Delta R.T.: -0.023 min  
Response: 101070197  
Conc: 18.86 ng/ml



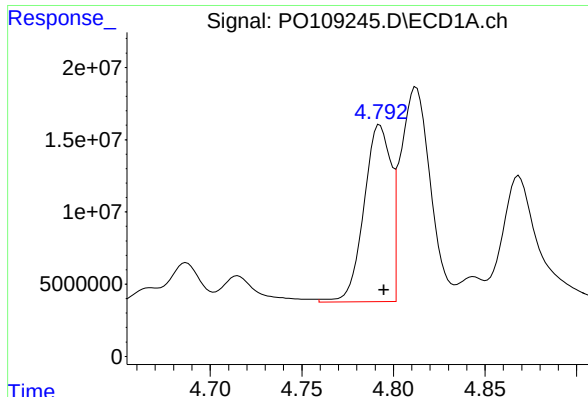
## #2 Decachlorobiphenyl

R.T.: 8.761 min  
Delta R.T.: 0.003 min  
Response: 111319739  
Conc: 16.07 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.712 min  
Delta R.T.: -0.021 min  
Response: 54111403  
Conc: 15.74 ng/ml



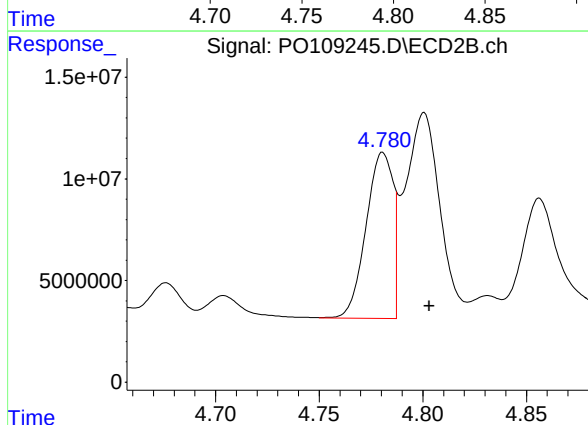
#3 AR-1016-1

R.T.: 4.793 min  
Delta R.T.: -0.002 min  
Response: 125087902  
Conc: 495.82 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

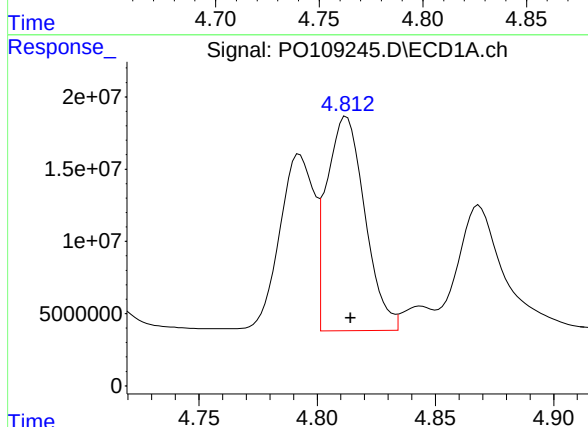
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



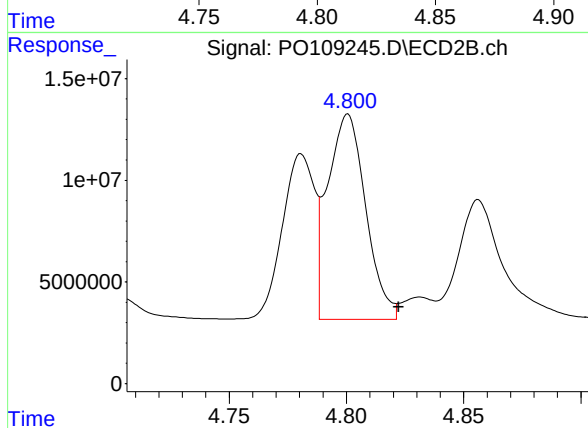
#3 AR-1016-1

R.T.: 4.780 min  
Delta R.T.: -0.023 min  
Response: 71201517  
Conc: 439.74 ng/ml



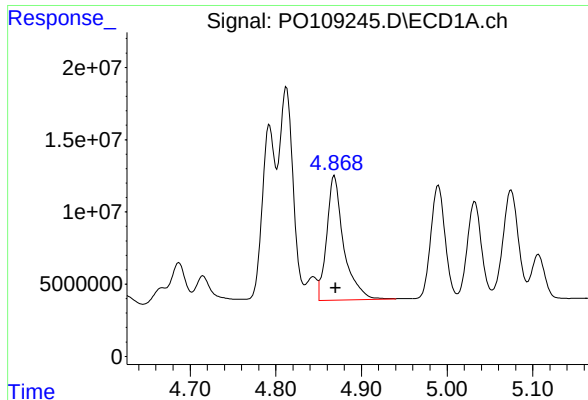
#4 AR-1016-2

R.T.: 4.812 min  
Delta R.T.: -0.002 min  
Response: 166731040  
Conc: 483.44 ng/ml



#4 AR-1016-2

R.T.: 4.800 min  
Delta R.T.: -0.022 min  
Response: 113057614  
Conc: 474.56 ng/ml



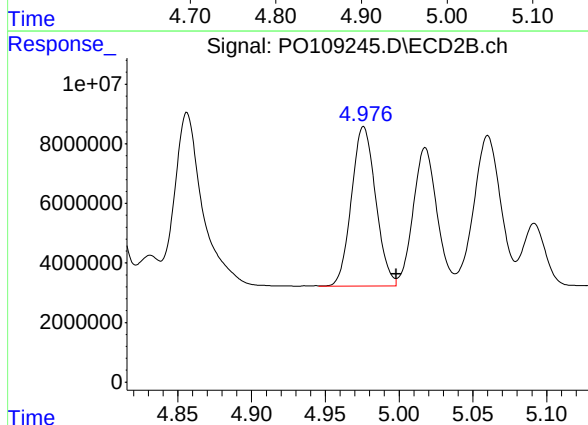
#5 AR-1016-3

R.T.: 4.868 min  
Delta R.T.: -0.002 min  
Response: 118353639  
Conc: 484.82 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

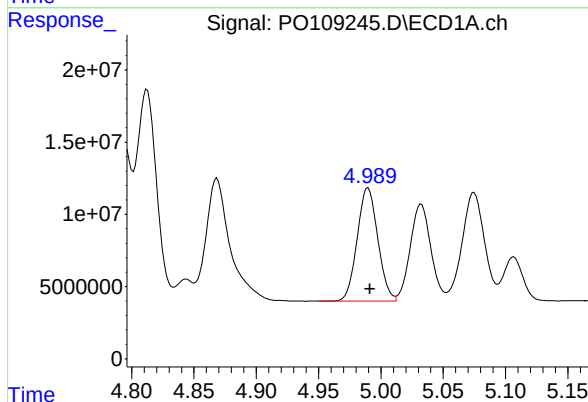
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



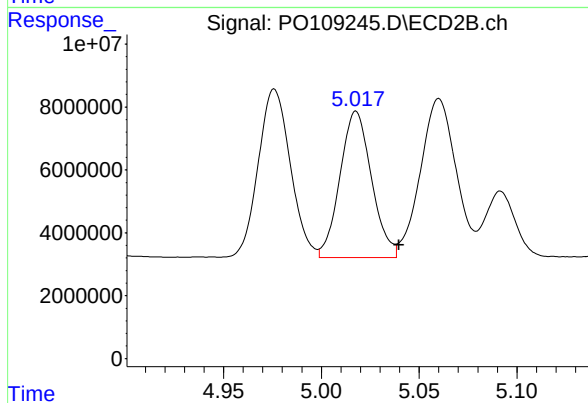
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 61055127  
Conc: 468.29 ng/ml



#6 AR-1016-4

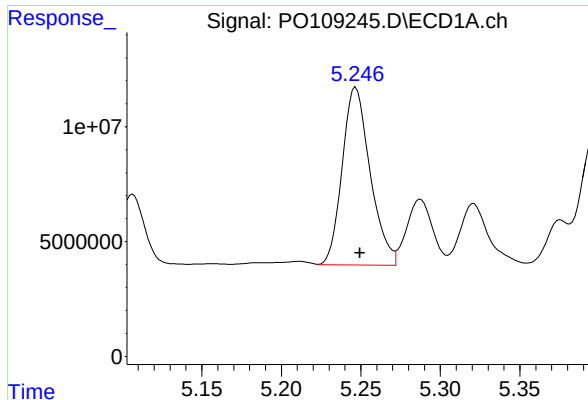
R.T.: 4.990 min  
Delta R.T.: -0.001 min  
Response: 90467731  
Conc: 474.08 ng/ml



#6 AR-1016-4

R.T.: 5.017 min  
Delta R.T.: -0.022 min  
Response: 52255298  
Conc: 472.82 ng/ml





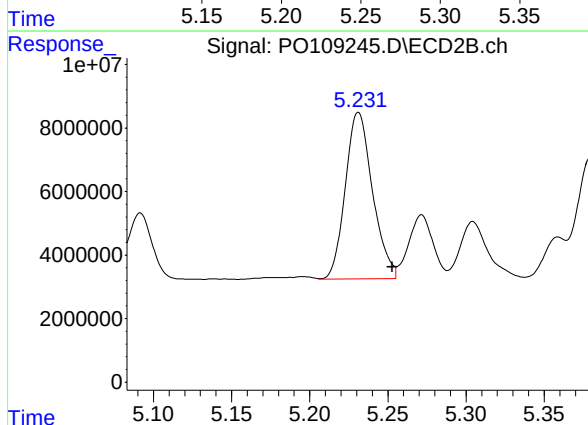
#7 AR-1016-5

R.T.: 5.247 min  
Delta R.T.: -0.003 min  
Response: 94507435  
Conc: 452.71 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

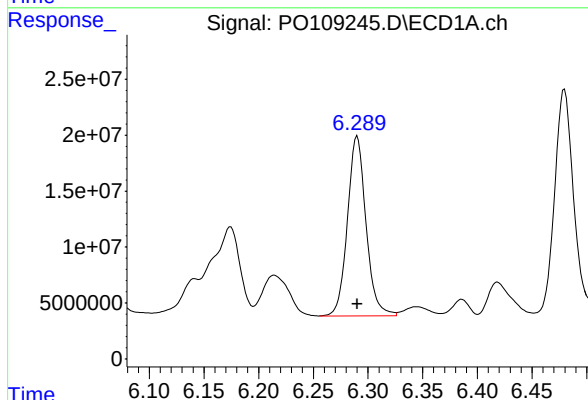
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



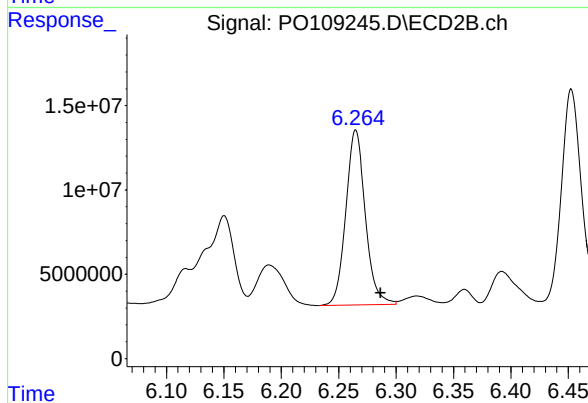
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 63642203  
Conc: 443.37 ng/ml



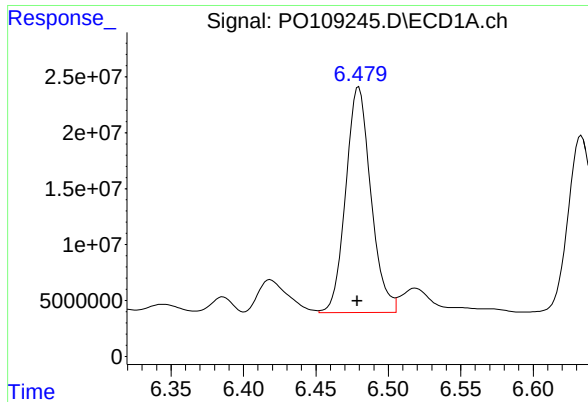
#31 AR-1260-1

R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 189625545  
Conc: 497.50 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.022 min  
Response: 123299152  
Conc: 489.19 ng/ml



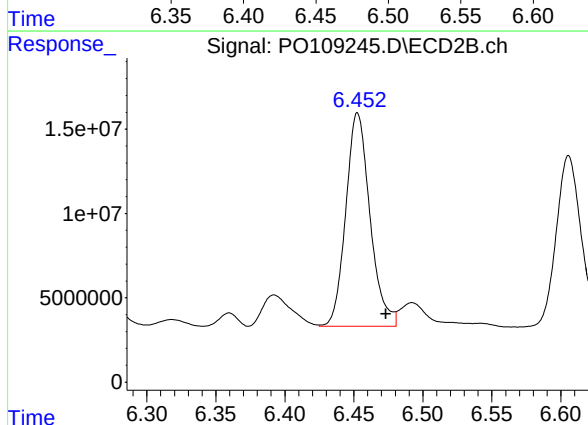
#32 AR-1260-2

R.T.: 6.480 min  
Delta R.T.: 0.000 min  
Response: 244065552  
Conc: 519.75 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

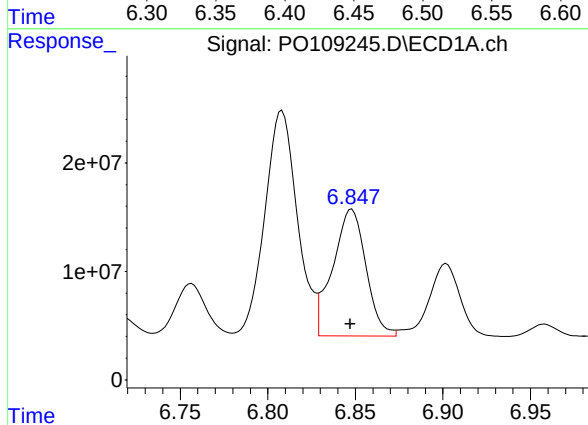
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



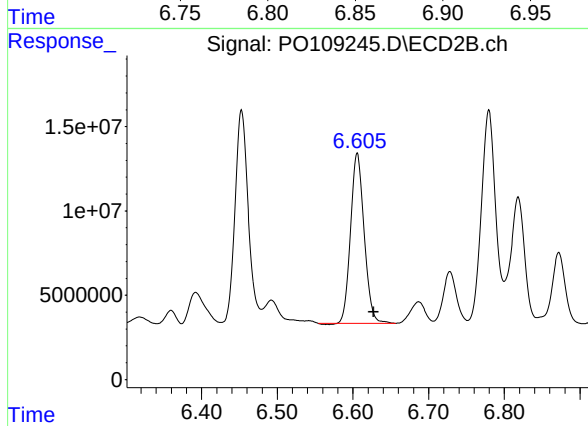
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 155004611  
Conc: 515.30 ng/ml



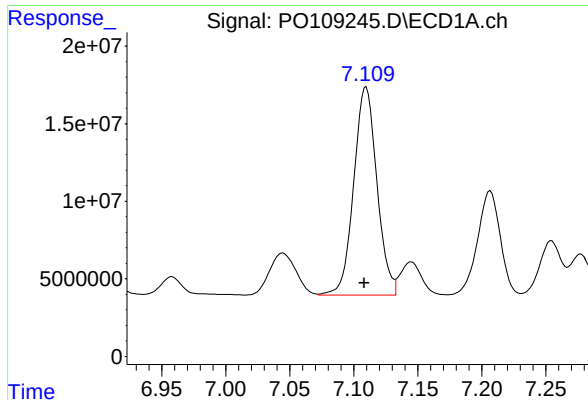
#33 AR-1260-3

R.T.: 6.848 min  
Delta R.T.: 0.000 min  
Response: 154697000  
Conc: 395.08 ng/ml



#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 126681435  
Conc: 455.06 ng/ml



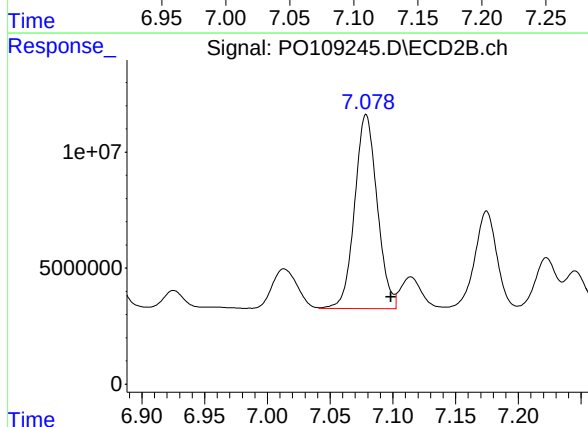
#34 AR-1260-4

R.T.: 7.110 min  
Delta R.T.: 0.002 min  
Response: 169210936  
Conc: 472.71 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MS

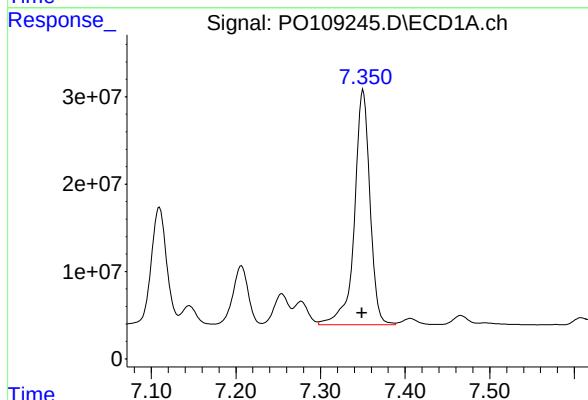
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



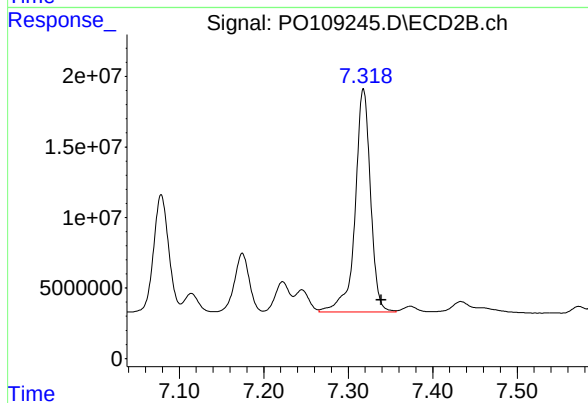
#34 AR-1260-4

R.T.: 7.078 min  
Delta R.T.: -0.020 min  
Response: 104775751  
Conc: 464.33 ng/ml



#35 AR-1260-5

R.T.: 7.350 min  
Delta R.T.: 0.001 min  
Response: 342222322  
Conc: 410.05 ng/ml



#35 AR-1260-5

R.T.: 7.318 min  
Delta R.T.: -0.021 min  
Response: 200231603  
Conc: 399.92 ng/ml

## Report of Analysis

|                    |                                       |                    |          |
|--------------------|---------------------------------------|--------------------|----------|
| Client:            | RU2 Engineering, LLC                  | Date Collected:    | 01/28/25 |
| Project:           | NYCDDC SANTWOBR Brooklyn Bridge BBMCR | Date Received:     | 01/28/25 |
| Client Sample ID:  | VNJ-236MSD                            | SDG No.:           | Q1207    |
| Lab Sample ID:     | Q1205-01MSD                           | Matrix:            | SOIL     |
| Analytical Method: | SW8082A                               | % Solid:           | 87.2     |
| Sample Wt/Vol:     | 30.08 Units: g                        | Final Vol:         | 10000 uL |
| Soil Aliquot Vol:  | uL                                    | Test:              | PCB      |
| Extraction Type:   |                                       | Injection Volume : |          |
| GPC Factor :       | 1.0                                   | PH :               |          |
| Prep Method :      | SW3541B                               |                    |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109246.D        | 1         | 01/29/25 08:55 | 01/29/25 18:55 | PB166333      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 178   |           | 3.90     | 19.4       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 19.4  | U         | 7.30     | 19.4       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19.4  | U         | 9.00     | 19.4       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 19.4  | U         | 3.10     | 19.4       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 19.4  | U         | 5.20     | 19.4       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 19.4  | U         | 3.90     | 19.4       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 174   |           | 3.30     | 19.4       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 18.8  |           | 32 - 144 | 94%        | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 15.5  |           | 32 - 175 | 77%        | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0012925\  
 Data File : P0109246.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Jan 2025 18:55  
 Operator : YP/AJ  
 Sample : Q1205-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

VNJ-236MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
 Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 30 04:03:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0012125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 22 03:46:11 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|----------|---------|----------|
| -----                       |       |       |          |          |         |          |
| System Monitoring Compounds |       |       |          |          |         |          |
| 1) SA Tetrachlo...          | 3.697 | 3.695 | 142.3E6  | 99114433 | 18.828m | 18.490m  |
| 2) SA Decachlor...          | 8.759 | 8.711 | 107.0E6  | 53185113 | 15.446m | 15.466   |
| Target Compounds            |       |       |          |          |         |          |
| 3) L1 AR-1016-1             | 4.793 | 4.781 | 122.3E6  | 80891555 | 484.761 | 499.584m |
| 4) L1 AR-1016-2             | 4.813 | 4.800 | 164.3E6  | 109.9E6  | 476.288 | 461.177m |
| 5) L1 AR-1016-3             | 4.869 | 4.976 | 116.3E6  | 60185889 | 476.419 | 461.627m |
| 6) L1 AR-1016-4             | 4.990 | 5.018 | 88033533 | 51492685 | 461.321 | 465.919m |
| 7) L1 AR-1016-5             | 5.247 | 5.231 | 91915164 | 62851023 | 440.288 | 437.855m |
| 31) L7 AR-1260-1            | 6.290 | 6.265 | 186.5E6  | 122.5E6  | 489.233 | 486.160  |
| 32) L7 AR-1260-2            | 6.479 | 6.452 | 244.8E6  | 151.9E6  | 521.242 | 505.076m |
| 33) L7 AR-1260-3            | 6.847 | 6.606 | 150.3E6  | 125.6E6  | 383.817 | 451.036m |
| 34) L7 AR-1260-4            | 7.109 | 7.078 | 165.4E6  | 100.0E6  | 462.048 | 443.270m |
| 35) L7 AR-1260-5            | 7.349 | 7.318 | 337.4E6  | 197.7E6  | 404.226 | 394.767  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO012925\  
Data File : PO109246.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Jan 2025 18:55  
Operator : YP/AJ  
Sample : Q1205-01MSD  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

VNJ-236MSD

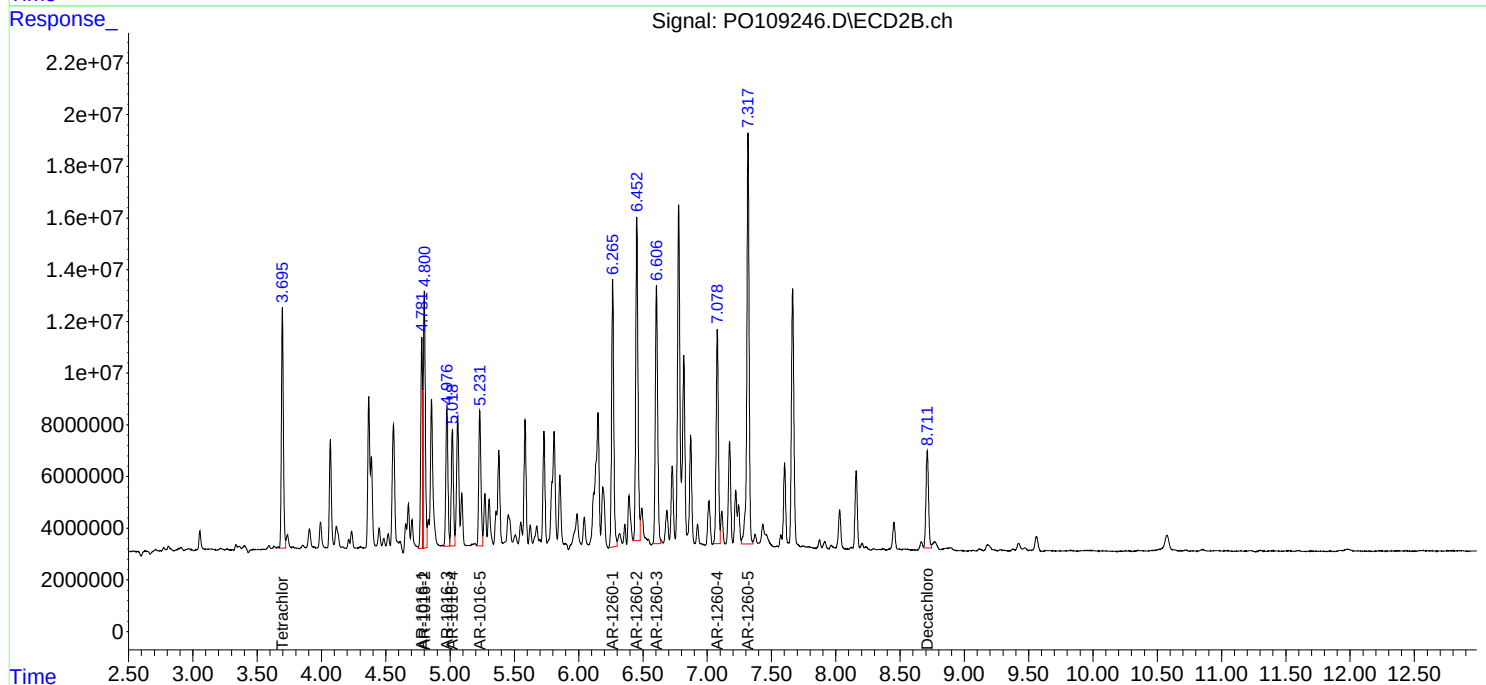
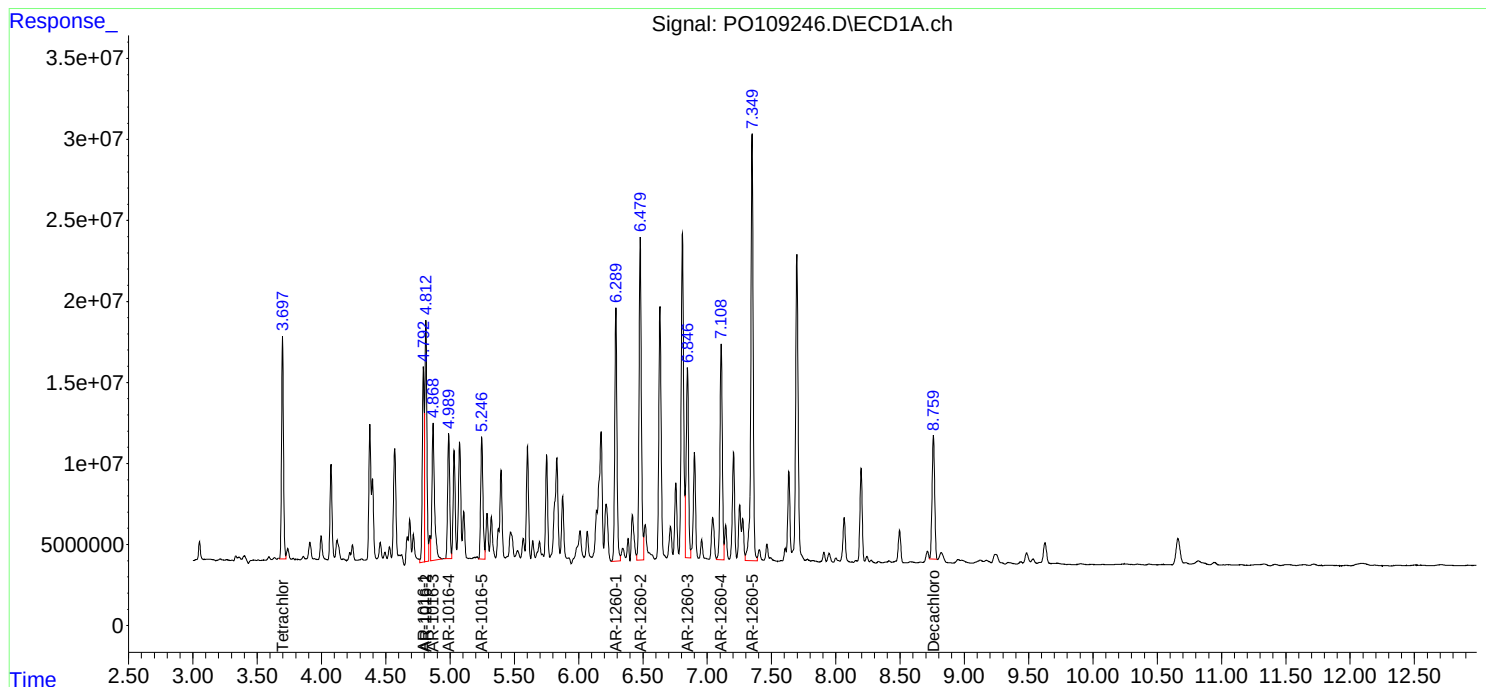
## Manual Integrations

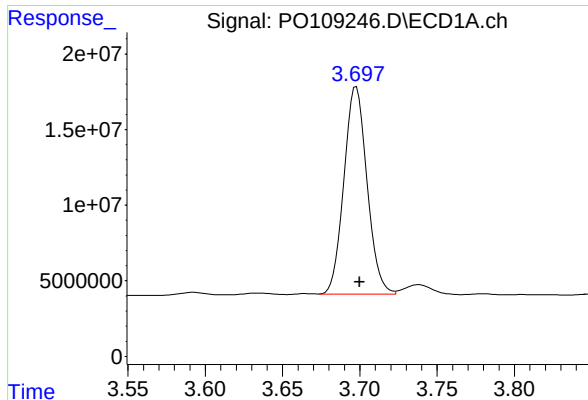
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 30 04:03:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO012125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 22 03:46:11 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: -0.003 min  
Response: 142274407  
Conc: 18.83 ng/ml

Instrument :

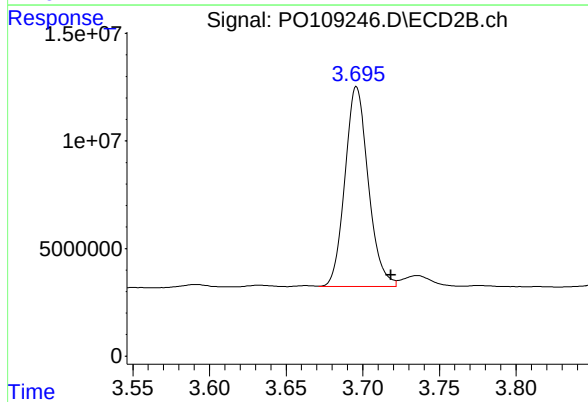
ECD\_O

ClientSampleId :

VNJ-236MSD

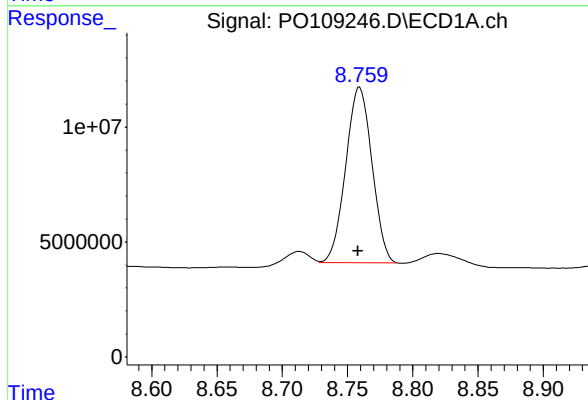
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



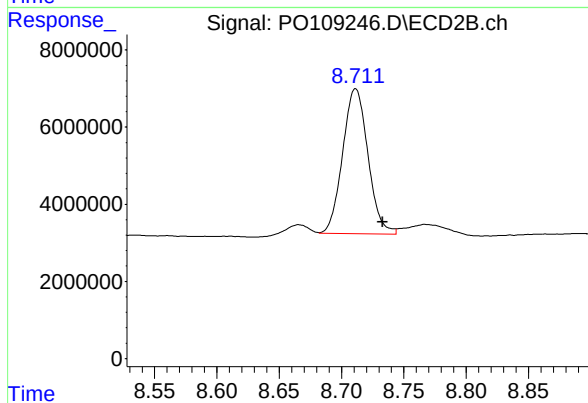
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
Delta R.T.: -0.023 min  
Response: 99114433  
Conc: 18.49 ng/ml



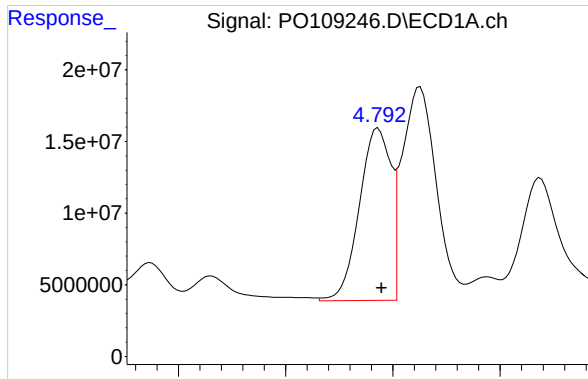
## #2 Decachlorobiphenyl

R.T.: 8.759 min  
Delta R.T.: 0.000 min  
Response: 107005841  
Conc: 15.45 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.711 min  
Delta R.T.: -0.022 min  
Response: 53185113  
Conc: 15.47 ng/ml



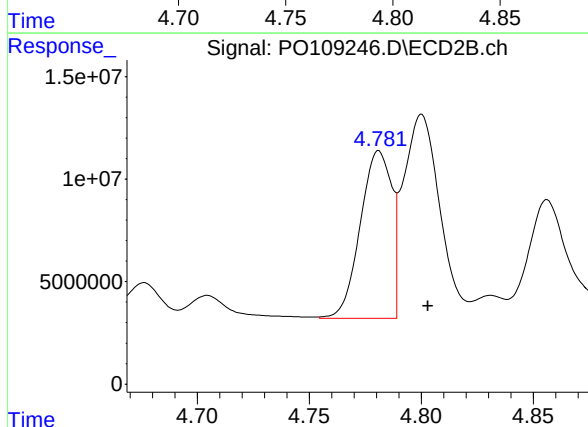
#3 AR-1016-1

R.T.: 4.793 min  
Delta R.T.: -0.002 min  
Response: 122298626  
Conc: 484.76 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MSD

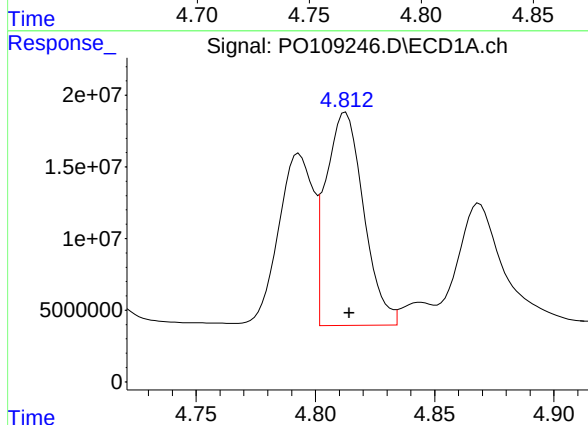
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



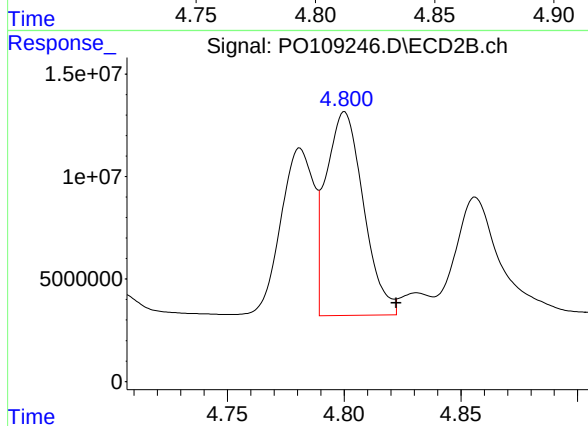
#3 AR-1016-1

R.T.: 4.781 min  
Delta R.T.: -0.022 min  
Response: 80891555  
Conc: 499.58 ng/ml



#4 AR-1016-2

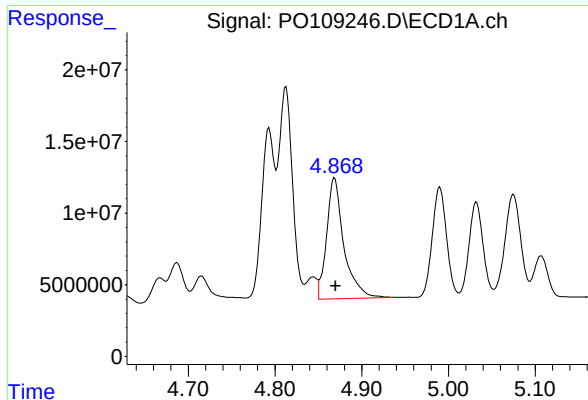
R.T.: 4.813 min  
Delta R.T.: -0.002 min  
Response: 164264587  
Conc: 476.29 ng/ml



#4 AR-1016-2

R.T.: 4.800 min  
Delta R.T.: -0.022 min  
Response: 109869153  
Conc: 461.18 ng/ml





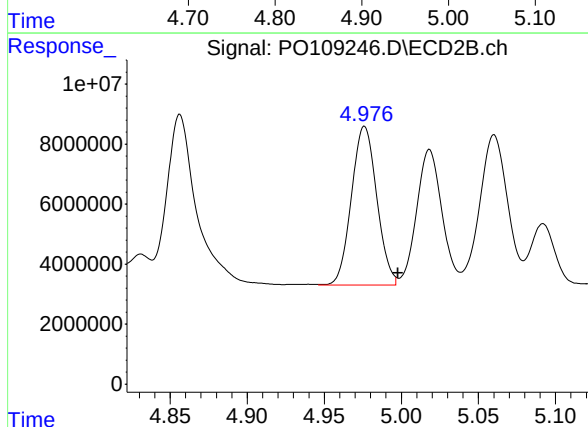
#5 AR-1016-3

R.T.: 4.869 min  
Delta R.T.: -0.001 min  
Response: 116301911  
Conc: 476.42 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MSD

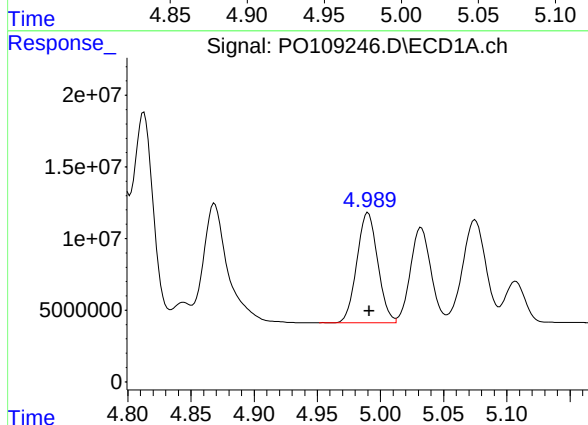
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



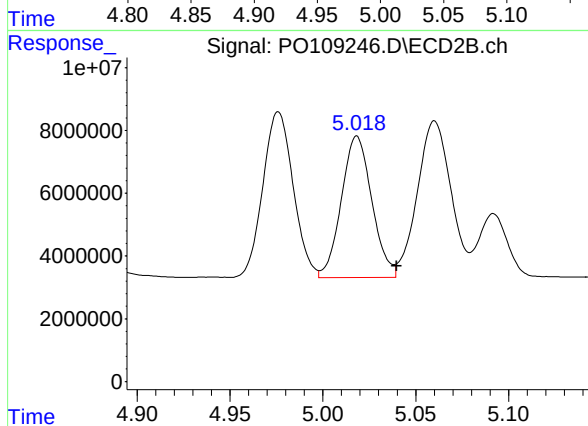
#5 AR-1016-3

R.T.: 4.976 min  
Delta R.T.: -0.022 min  
Response: 60185889  
Conc: 461.63 ng/ml



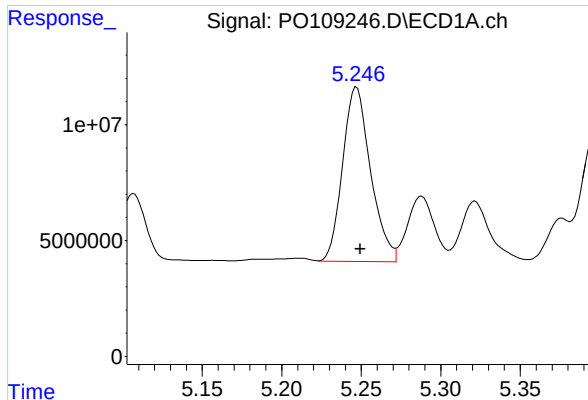
#6 AR-1016-4

R.T.: 4.990 min  
Delta R.T.: -0.001 min  
Response: 88033533  
Conc: 461.32 ng/ml



#6 AR-1016-4

R.T.: 5.018 min  
Delta R.T.: -0.022 min  
Response: 51492685  
Conc: 465.92 ng/ml



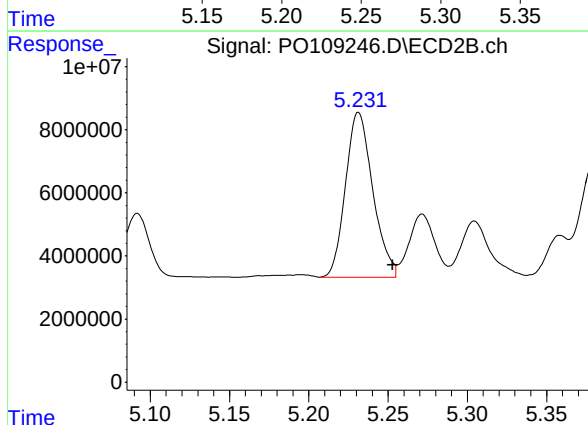
#7 AR-1016-5

R.T.: 5.247 min  
Delta R.T.: -0.002 min  
Response: 91915164  
Conc: 440.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MSD

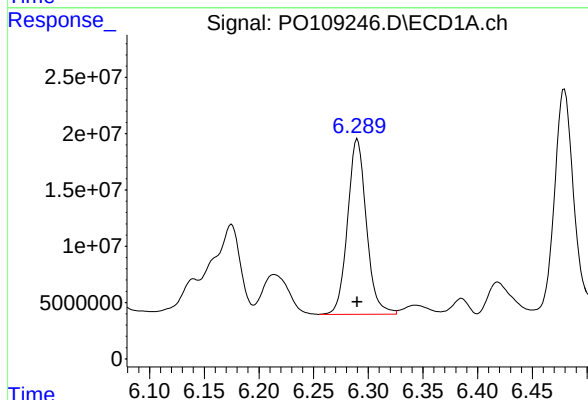
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



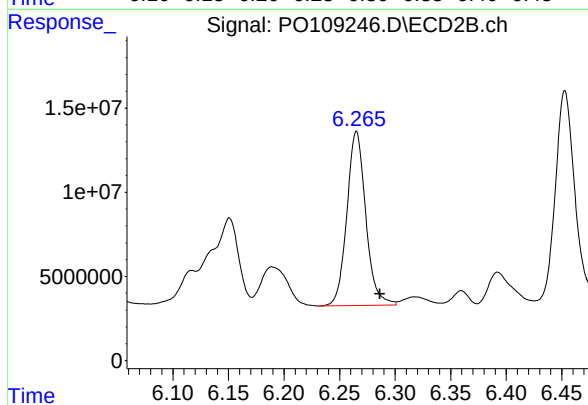
#7 AR-1016-5

R.T.: 5.231 min  
Delta R.T.: -0.022 min  
Response: 62851023  
Conc: 437.86 ng/ml



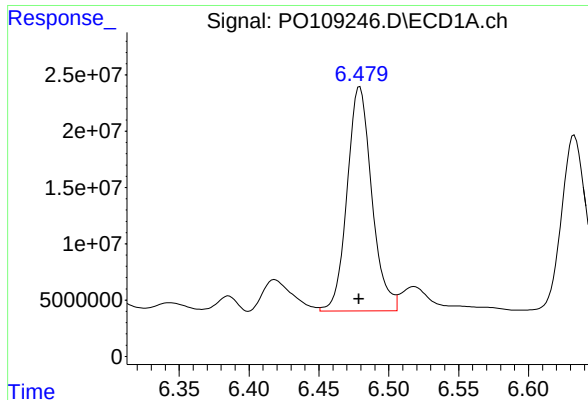
#31 AR-1260-1

R.T.: 6.290 min  
Delta R.T.: 0.000 min  
Response: 186473931  
Conc: 489.23 ng/ml



#31 AR-1260-1

R.T.: 6.265 min  
Delta R.T.: -0.021 min  
Response: 122536111  
Conc: 486.16 ng/ml



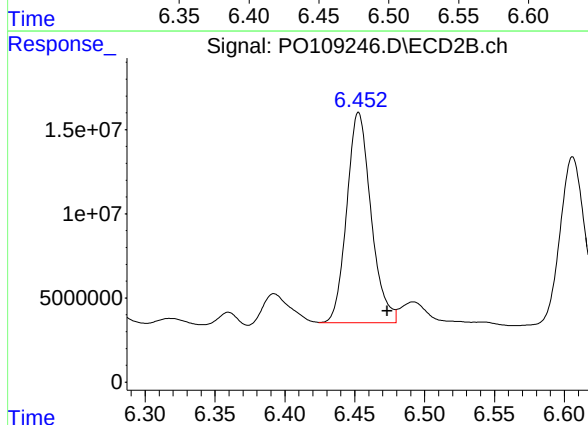
#32 AR-1260-2

R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 244764983  
Conc: 521.24 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MSD

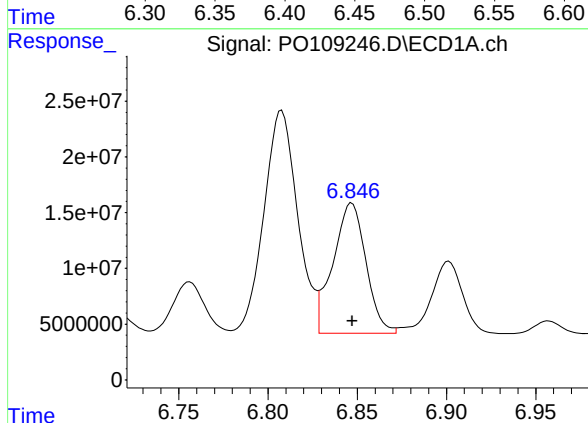
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



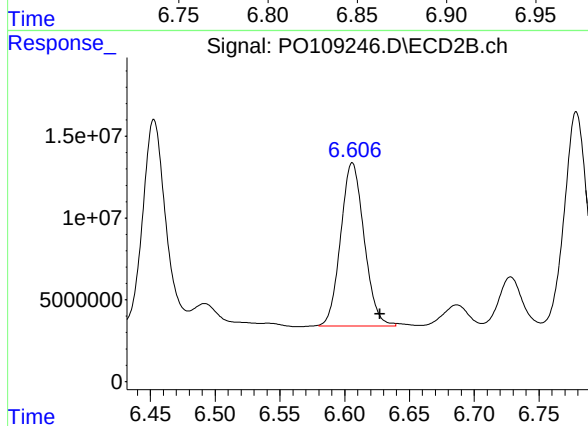
#32 AR-1260-2

R.T.: 6.452 min  
Delta R.T.: -0.021 min  
Response: 151929222  
Conc: 505.08 ng/ml



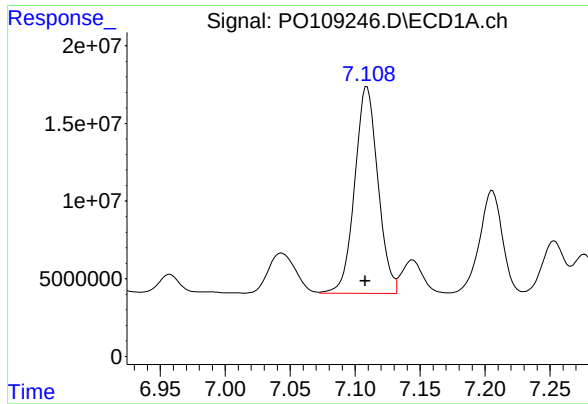
#33 AR-1260-3

R.T.: 6.847 min  
Delta R.T.: 0.000 min  
Response: 150288264  
Conc: 383.82 ng/ml



#33 AR-1260-3

R.T.: 6.606 min  
Delta R.T.: -0.021 min  
Response: 125562059  
Conc: 451.04 ng/ml



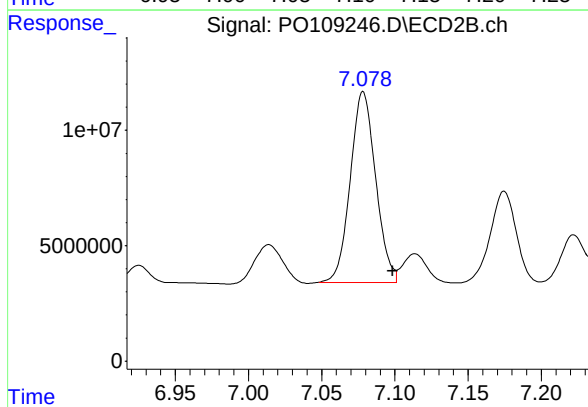
#34 AR-1260-4

R.T.: 7.109 min  
Delta R.T.: 0.001 min  
Response: 165393543  
Conc: 462.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
VNJ-236MSD

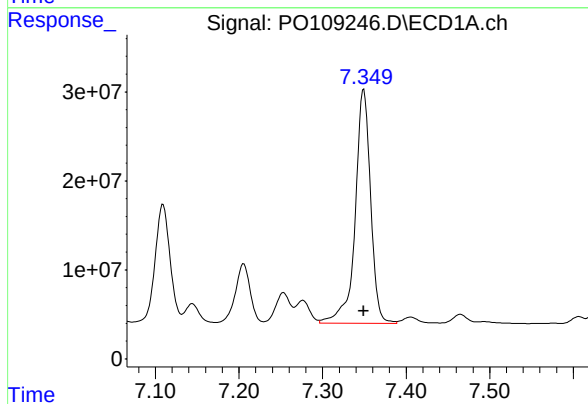
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/30/2025  
Supervised By :Ankita Jodhani 01/30/2025



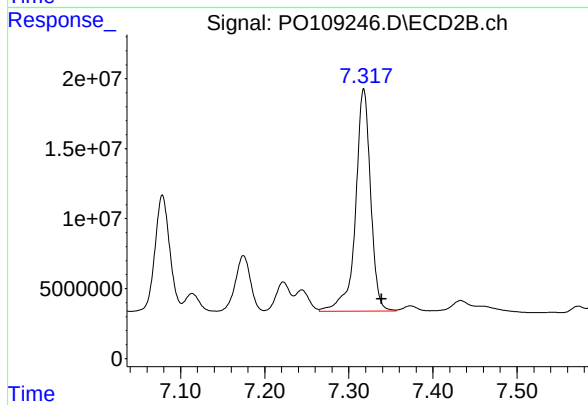
#34 AR-1260-4

R.T.: 7.078 min  
Delta R.T.: -0.021 min  
Response: 100024325  
Conc: 443.27 ng/ml



#35 AR-1260-5

R.T.: 7.349 min  
Delta R.T.: 0.000 min  
Response: 337365270  
Conc: 404.23 ng/ml



#35 AR-1260-5

R.T.: 7.318 min  
Delta R.T.: -0.021 min  
Response: 197652070  
Conc: 394.77 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO012125 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID     | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|---------------|------------|--------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1660ICC1000 | PO108982.D | AR-1016-1 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC1000 | PO108982.D | AR-1016-2 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC1000 | PO108982.D | AR-1016-3 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC1000 | PO108982.D | AR-1016-4 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC1000 | PO108982.D | AR-1016-5 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC1000 | PO108982.D | AR-1260-4 #2 | yogesh    | 1/22/2025 7:41:34 AM | Ankita        | 1/22/2025 8:28:39 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1016-1 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1016-2 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1016-3 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1016-4 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1016-5 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC750  | PO108983.D | AR-1260-4 #2 | yogesh    | 1/22/2025 7:41:16 AM | Ankita        | 1/22/2025 8:28:41 | Peak Integrated by Software |
| AR1660ICC250  | PO108985.D | AR-1016-1 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO012125 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|--------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1660ICC250 | PO108985.D | AR-1016-2 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |
| AR1660ICC250 | PO108985.D | AR-1016-3 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |
| AR1660ICC250 | PO108985.D | AR-1016-4 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |
| AR1660ICC250 | PO108985.D | AR-1016-5 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |
| AR1660ICC250 | PO108985.D | AR-1260-4 #2 | yogesh    | 1/22/2025 7:41:20 AM | Ankita        | 1/22/2025 8:28:42 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-1 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-2 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-3 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-4 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-5    | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1016-5 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1260-1    | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050 | PO108986.D | AR-1260-1 #2 | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO012125 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID      | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|----------------|------------|----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1660ICC050   | PO108986.D | AR-1260-2            | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050   | PO108986.D | AR-1260-2 #2         | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1660ICC050   | PO108986.D | AR-1260-4 #2         | yogesh    | 1/22/2025 7:41:21 AM | Ankita        | 1/22/2025 8:28:46 | Peak Integrated by Software |
| AR1242ICC050   | PO108993.D | AR-1242-4            | yogesh    | 1/22/2025 7:41:23 AM | Ankita        | 1/22/2025 8:28:48 | Peak Integrated by Software |
| AR1242ICC050   | PO108993.D | AR-1242-4 #2         | yogesh    | 1/22/2025 7:41:23 AM | Ankita        | 1/22/2025 8:28:48 | Peak Integrated by Software |
| AR1242ICC050   | PO108993.D | AR-1242-5 #2         | yogesh    | 1/22/2025 7:41:23 AM | Ankita        | 1/22/2025 8:28:48 | Peak Integrated by Software |
| AR1242ICC050   | PO108993.D | Tetrachloro-m-xylene | yogesh    | 1/22/2025 7:41:23 AM | Ankita        | 1/22/2025 8:28:48 | Peak Integrated by Software |
| AR1248ICC050   | PO108998.D | AR-1248-3            | yogesh    | 1/22/2025 7:41:25 AM | Ankita        | 1/22/2025 8:28:50 | Peak Integrated by Software |
| PO012125ICV500 | PO109010.D | AR-1016-1 #2         | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |
| PO012125ICV500 | PO109010.D | AR-1016-2 #2         | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |
| PO012125ICV500 | PO109010.D | AR-1016-3 #2         | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |
| PO012125ICV500 | PO109010.D | AR-1016-4 #2         | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |
| PO012125ICV500 | PO109010.D | AR-1016-5 #2         | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PO012125

Instrument

ECD\_o

| Sample ID      | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|----------------|------------|--------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PO012125ICV500 | PO109010.D | AR-1260-4 #2 | yogesh    | 1/22/2025 7:41:26 AM | Ankita        | 1/22/2025 8:28:52 | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|-------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1660CCC500 | PO109224.D | AR-1016-3 #2            | yogesh    | 1/30/2025<br>10:16:59 AM | Ankita        | 1/30/2025<br>10:37:21 | Peak Integrated by Software |
| AR1660CCC500 | PO109224.D | AR-1016-5 #2            | yogesh    | 1/30/2025<br>10:16:59 AM | Ankita        | 1/30/2025<br>10:37:21 | Peak Integrated by Software |
| AR1660CCC500 | PO109224.D | AR-1260-4 #2            | yogesh    | 1/30/2025<br>10:16:59 AM | Ankita        | 1/30/2025<br>10:37:21 | Peak Integrated by Software |
| AR1248CCC500 | PO109226.D | AR-1248-3               | yogesh    | 1/30/2025<br>10:17:02 AM | Ankita        | 1/30/2025<br>10:37:23 | Peak Integrated by Software |
| PB166333BS   | PO109238.D | AR-1016-5 #2            | yogesh    | 1/30/2025<br>10:17:14 AM | Ankita        | 1/30/2025<br>10:37:31 | Peak Integrated by Software |
| PB166333BS   | PO109238.D | AR-1260-4 #2            | yogesh    | 1/30/2025<br>10:17:14 AM | Ankita        | 1/30/2025<br>10:37:31 | Peak Integrated by Software |
| PB166333BS   | PO109238.D | Tetrachloro-m-xylene #2 | yogesh    | 1/30/2025<br>10:17:14 AM | Ankita        | 1/30/2025<br>10:37:31 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1016-1 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1016-2 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1016-3 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1016-4 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1016-5 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |
| AR1660CCC500 | PO109239.D | AR-1260-4 #2            | yogesh    | 1/30/2025<br>10:17:16 AM | Ankita        | 1/30/2025<br>10:37:33 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|-------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q1205-01MS  | PO109245.D | AR-1016-1 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1016-2 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1016-3 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1016-4 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1016-5 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1260-2 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | AR-1260-4 #2            | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | Decachlorobiphenyl      | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | Tetrachloro-m-xylene    | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MS  | PO109245.D | Tetrachloro-m-xylene #2 | yogesh    | 1/30/2025<br>10:37:28 AM | Ankita        | 1/30/2025<br>10:37:57 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1016-1 #2            | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1016-2 #2            | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1016-3 #2            | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q1205-01MSD | PO109246.D | AR-1016-4 #2         | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1016-5 #2         | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | AR-1260-4 #2         | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1205-01MSD | PO109246.D | Decachlorobiphenyl   | yogesh    | 1/30/2025<br>10:17:22 AM | Ankita        | 1/30/2025<br>10:37:59 | Peak Integrated by Software |
| Q1207-03    | PO109249.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:27 AM | Ankita        | 1/30/2025<br>10:38:04 | Peak Integrated by Software |
| Q1207-03    | PO109249.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:27 AM | Ankita        | 1/30/2025<br>10:38:04 | Peak Integrated by Software |
| Q1207-03    | PO109249.D | Tetrachloro-m-xylene | yogesh    | 1/30/2025<br>10:17:27 AM | Ankita        | 1/30/2025<br>10:38:04 | Peak Integrated by Software |
| Q1207-07    | PO109250.D | AR-1260-1 #2         | yogesh    | 1/30/2025<br>10:17:28 AM | Ankita        | 1/30/2025<br>10:38:06 | Peak Integrated by Software |
| Q1207-07    | PO109250.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:28 AM | Ankita        | 1/30/2025<br>10:38:06 | Peak Integrated by Software |
| Q1207-07    | PO109250.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:28 AM | Ankita        | 1/30/2025<br>10:38:06 | Peak Integrated by Software |
| Q1207-07    | PO109250.D | AR-1260-5            | yogesh    | 1/30/2025<br>10:17:28 AM | Ankita        | 1/30/2025<br>10:38:06 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID        | File ID    | Parameter            | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------------|------------|----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| Q1207-07         | PO109250.D | AR-1260-5 #2         | yogesh    | 1/30/2025<br>10:17:28 AM | Ankita        | 1/30/2025<br>10:38:06 | Peak Integrated by Software |
| Q1207-11         | PO109251.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:31 AM | Ankita        | 1/30/2025<br>10:38:08 | Peak Integrated by Software |
| Q1207-11         | PO109251.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:31 AM | Ankita        | 1/30/2025<br>10:38:08 | Peak Integrated by Software |
| Q1207-11         | PO109251.D | AR-1260-5            | yogesh    | 1/30/2025<br>10:17:31 AM | Ankita        | 1/30/2025<br>10:38:08 | Peak Integrated by Software |
| Q1207-15         | PO109252.D | AR-1260-1 #2         | yogesh    | 1/30/2025<br>10:17:33 AM | Ankita        | 1/30/2025<br>10:38:09 | Peak Integrated by Software |
| Q1207-15         | PO109252.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:33 AM | Ankita        | 1/30/2025<br>10:38:09 | Peak Integrated by Software |
| Q1207-15         | PO109252.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:33 AM | Ankita        | 1/30/2025<br>10:38:09 | Peak Integrated by Software |
| Q1207-15         | PO109252.D | AR-1260-4 #2         | yogesh    | 1/30/2025<br>10:17:33 AM | Ankita        | 1/30/2025<br>10:38:09 | Peak Integrated by Software |
| Q1207-19         | PO109253.D | AR-1260-1 #2         | yogesh    | 1/30/2025<br>10:17:34 AM | Ankita        | 1/30/2025<br>10:38:11 | Peak Integrated by Software |
| Q1207-19         | PO109253.D | AR-1260-2 #2         | yogesh    | 1/30/2025<br>10:17:34 AM | Ankita        | 1/30/2025<br>10:38:11 | Peak Integrated by Software |
| Q1207-19         | PO109253.D | AR-1260-3 #2         | yogesh    | 1/30/2025<br>10:17:34 AM | Ankita        | 1/30/2025<br>10:38:11 | Peak Integrated by Software |
| Q1207-19         | PO109253.D | Tetrachloro-m-xylene | yogesh    | 1/30/2025<br>10:17:34 AM | Ankita        | 1/30/2025<br>10:38:11 | Peak Integrated by Software |
| AR1660CCC50<br>0 | PO109254.D | AR-1016-1 #2         | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|--------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1660CCC500 | PO109254.D | AR-1016-2 #2 | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |
| AR1660CCC500 | PO109254.D | AR-1016-3 #2 | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |
| AR1660CCC500 | PO109254.D | AR-1016-4 #2 | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |
| AR1660CCC500 | PO109254.D | AR-1016-5 #2 | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |
| AR1660CCC500 | PO109254.D | AR-1260-4 #2 | yogesh    | 1/30/2025<br>10:17:36 AM | Ankita        | 1/30/2025<br>10:38:13 | Peak Integrated by Software |
| AR1254CCC500 | PO109257.D | AR-1254-1 #2 | yogesh    | 1/30/2025<br>10:17:37 AM | Ankita        | 1/30/2025<br>10:38:14 | Peak Integrated by Software |
| AR1254CCC500 | PO109257.D | AR-1254-2 #2 | yogesh    | 1/30/2025<br>10:17:37 AM | Ankita        | 1/30/2025<br>10:38:14 | Peak Integrated by Software |
| AR1254CCC500 | PO109257.D | AR-1254-3 #2 | yogesh    | 1/30/2025<br>10:17:37 AM | Ankita        | 1/30/2025<br>10:38:14 | Peak Integrated by Software |
| AR1254CCC500 | PO109257.D | AR-1254-4 #2 | yogesh    | 1/30/2025<br>10:17:37 AM | Ankita        | 1/30/2025<br>10:38:14 | Peak Integrated by Software |
| AR1660CCC500 | PO109261.D | AR-1016-1 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |
| AR1660CCC500 | PO109261.D | AR-1016-2 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |
| AR1660CCC500 | PO109261.D | AR-1016-3 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |
| AR1660CCC500 | PO109261.D | AR-1016-4 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|--------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1660CCC500 | PO109261.D | AR-1016-5 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |
| AR1660CCC500 | PO109261.D | AR-1260-4 #2 | yogesh    | 1/30/2025<br>10:17:40 AM | Ankita        | 1/30/2025<br>10:38:17 | Peak Integrated by Software |
| AR1254CCC500 | PO109264.D | AR-1254-1 #2 | yogesh    | 1/30/2025<br>10:17:42 AM | Ankita        | 1/30/2025<br>10:38:19 | Peak Integrated by Software |
| AR1254CCC500 | PO109264.D | AR-1254-2 #2 | yogesh    | 1/30/2025<br>10:17:42 AM | Ankita        | 1/30/2025<br>10:38:19 | Peak Integrated by Software |
| AR1254CCC500 | PO109264.D | AR-1254-3 #2 | yogesh    | 1/30/2025<br>10:17:42 AM | Ankita        | 1/30/2025<br>10:38:19 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1016-1 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1016-2 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1016-3 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1016-4 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1016-5 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1660CCC500 | PO109267.D | AR-1260-4 #2 | yogesh    | 1/30/2025<br>10:17:46 AM | Ankita        | 1/30/2025<br>10:38:22 | Peak Integrated by Software |
| AR1254CCC500 | PO109270.D | AR-1254-1 #2 | yogesh    | 1/30/2025<br>10:17:48 AM | Ankita        | 1/30/2025<br>10:38:24 | Peak Integrated by Software |
| AR1254CCC500 | PO109270.D | AR-1254-2 #2 | yogesh    | 1/30/2025<br>10:17:48 AM | Ankita        | 1/30/2025<br>10:38:24 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | Po012925 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter             | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|-----------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1254CCC500 | PO109270.D | AR-1254-3 #2          | yogesh    | 1/30/2025<br>10:17:48 AM | Ankita        | 1/30/2025<br>10:38:24 | Peak Integrated by Software |
| AR1254CCC500 | PO109270.D | AR-1254-4 #2          | yogesh    | 1/30/2025<br>10:17:48 AM | Ankita        | 1/30/2025<br>10:38:24 | Peak Integrated by Software |
| I.BLK        | PO109271.D | Decachlorobiphenyl #2 | yogesh    | 1/30/2025<br>10:17:49 AM | Ankita        | 1/30/2025<br>10:38:25 | Peak Integrated by Software |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012125**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/22/2025 7:41:46 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/22/2025 8:29:10 AM          |
| SubDirectory             | PO012125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PO108980.D     | 21 Jan 2025 16:59 | YP/AJ    | Ok     |
| 2   | I.BLK         | PO108981.D     | 21 Jan 2025 17:18 | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | PO108982.D     | 21 Jan 2025 17:36 | YP/AJ    | Ok,M   |
| 4   | AR1660ICC750  | PO108983.D     | 21 Jan 2025 17:54 | YP/AJ    | Ok,M   |
| 5   | AR1660ICC500  | PO108984.D     | 21 Jan 2025 18:13 | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | PO108985.D     | 21 Jan 2025 18:31 | YP/AJ    | Ok,M   |
| 7   | AR1660ICC050  | PO108986.D     | 21 Jan 2025 18:49 | YP/AJ    | Ok,M   |
| 8   | AR1221ICC500  | PO108987.D     | 21 Jan 2025 19:07 | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | PO108988.D     | 21 Jan 2025 19:26 | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | PO108989.D     | 21 Jan 2025 19:44 | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | PO108990.D     | 21 Jan 2025 20:02 | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | PO108991.D     | 21 Jan 2025 20:21 | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | PO108992.D     | 21 Jan 2025 20:39 | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | PO108993.D     | 21 Jan 2025 20:57 | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | PO108994.D     | 21 Jan 2025 21:16 | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | PO108995.D     | 21 Jan 2025 21:34 | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | PO108996.D     | 21 Jan 2025 21:52 | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | PO108997.D     | 21 Jan 2025 22:10 | YP/AJ    | Ok     |
| 19  | AR1248ICC050  | PO108998.D     | 21 Jan 2025 22:29 | YP/AJ    | Ok,M   |
| 20  | AR1254ICC1000 | PO108999.D     | 21 Jan 2025 22:47 | YP/AJ    | Ok     |
| 21  | AR1254ICC750  | PO109000.D     | 21 Jan 2025 23:05 | YP/AJ    | Ok     |



Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO012125

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/22/2025 7:41:46 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/22/2025 8:29:10 AM          |
| SubDirectory             | PO012125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |                |            |                   |       |      |
|----|----------------|------------|-------------------|-------|------|
| 22 | AR1254ICC500   | PO109001.D | 21 Jan 2025 23:23 | YP/AJ | Ok   |
| 23 | AR1254ICC250   | PO109002.D | 21 Jan 2025 23:42 | YP/AJ | Ok   |
| 24 | AR1254ICC050   | PO109003.D | 22 Jan 2025 00:00 | YP/AJ | Ok   |
| 25 | AR1262ICC500   | PO109004.D | 22 Jan 2025 00:18 | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | PO109005.D | 22 Jan 2025 00:37 | YP/AJ | Ok   |
| 27 | AR1268ICC750   | PO109006.D | 22 Jan 2025 00:55 | YP/AJ | Ok   |
| 28 | AR1268ICC500   | PO109007.D | 22 Jan 2025 01:13 | YP/AJ | Ok   |
| 29 | AR1268ICC250   | PO109008.D | 22 Jan 2025 01:31 | YP/AJ | Ok   |
| 30 | AR1268ICC050   | PO109009.D | 22 Jan 2025 01:50 | YP/AJ | Ok   |
| 31 | PO012125ICV500 | PO109010.D | 22 Jan 2025 02:08 | YP/AJ | Ok,M |
| 32 | AR1242ICV500   | PO109011.D | 22 Jan 2025 02:26 | YP/AJ | Ok   |
| 33 | AR1248ICV500   | PO109012.D | 22 Jan 2025 02:44 | YP/AJ | Ok   |
| 34 | AR1254ICV500   | PO109013.D | 22 Jan 2025 03:03 | YP/AJ | Ok   |
| 35 | AR1268ICV500   | PO109014.D | 22 Jan 2025 03:21 | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012925**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/30/2025 10:18:15 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory             | PO012925                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | AR1660CCC500 | PO109224.D     | 29 Jan 2025 11:53 | YP/AJ    | Ok,M   |
| 2   | AR1242CCC500 | PO109225.D     | 29 Jan 2025 12:11 | YP/AJ    | Ok     |
| 3   | AR1248CCC500 | PO109226.D     | 29 Jan 2025 12:29 | YP/AJ    | Ok,M   |
| 4   | AR1254CCC500 | PO109227.D     | 29 Jan 2025 12:47 | YP/AJ    | Ok     |
| 5   | I.BLK        | PO109228.D     | 29 Jan 2025 13:04 | YP/AJ    | Ok     |
| 6   | PB166293BL   | PO109229.D     | 29 Jan 2025 13:21 | YP/AJ    | Ok     |
| 7   | PB166293BS   | PO109230.D     | 29 Jan 2025 13:40 | YP/AJ    | Ok,M   |
| 8   | Q1194-01     | PO109231.D     | 29 Jan 2025 13:58 | YP/AJ    | Ok     |
| 9   | Q1194-02     | PO109232.D     | 29 Jan 2025 14:15 | YP/AJ    | Ok     |
| 10  | Q1194-03     | PO109233.D     | 29 Jan 2025 14:34 | YP/AJ    | Ok,M   |
| 11  | Q1194-03MS   | PO109234.D     | 29 Jan 2025 14:51 | YP/AJ    | Ok,M   |
| 12  | Q1194-03MSD  | PO109235.D     | 29 Jan 2025 15:08 | YP/AJ    | Ok,M   |
| 13  | Q1194-04     | PO109236.D     | 29 Jan 2025 15:27 | YP/AJ    | Ok,M   |
| 14  | PB166333BL   | PO109237.D     | 29 Jan 2025 15:45 | YP/AJ    | Ok     |
| 15  | PB166333BS   | PO109238.D     | 29 Jan 2025 16:02 | YP/AJ    | Ok,M   |
| 16  | AR1660CCC500 | PO109239.D     | 29 Jan 2025 16:49 | YP/AJ    | Ok,M   |
| 17  | AR1242CCC500 | PO109240.D     | 29 Jan 2025 17:08 | YP/AJ    | Ok     |
| 18  | AR1248CCC500 | PO109241.D     | 29 Jan 2025 17:25 | YP/AJ    | Ok     |
| 19  | AR1254CCC500 | PO109242.D     | 29 Jan 2025 17:43 | YP/AJ    | Ok     |
| 20  | I.BLK        | PO109243.D     | 29 Jan 2025 18:02 | YP/AJ    | Ok     |
| 21  | Q1205-01     | PO109244.D     | 29 Jan 2025 18:20 | YP/AJ    | Ok,M   |

Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO012925

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/30/2025 10:18:15 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory             | PO012925                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 22 | Q1205-01MS   | PO109245.D | 29 Jan 2025 18:37 | YP/AJ | Ok,M |
| 23 | Q1205-01MSD  | PO109246.D | 29 Jan 2025 18:55 | YP/AJ | Ok,M |
| 24 | Q1206-03     | PO109247.D | 29 Jan 2025 19:13 | YP/AJ | Ok,M |
| 25 | Q1206-07     | PO109248.D | 29 Jan 2025 19:31 | YP/AJ | Ok,M |
| 26 | Q1207-03     | PO109249.D | 29 Jan 2025 19:49 | YP/AJ | Ok,M |
| 27 | Q1207-07     | PO109250.D | 29 Jan 2025 20:07 | YP/AJ | Ok,M |
| 28 | Q1207-11     | PO109251.D | 29 Jan 2025 20:26 | YP/AJ | Ok,M |
| 29 | Q1207-15     | PO109252.D | 29 Jan 2025 20:44 | YP/AJ | Ok,M |
| 30 | Q1207-19     | PO109253.D | 29 Jan 2025 21:01 | YP/AJ | Ok,M |
| 31 | AR1660CCC500 | PO109254.D | 30 Jan 2025 00:46 | YP/AJ | Ok,M |
| 32 | AR1242CCC500 | PO109255.D | 30 Jan 2025 01:04 | YP/AJ | Ok   |
| 33 | AR1248CCC500 | PO109256.D | 30 Jan 2025 01:23 | YP/AJ | Ok   |
| 34 | AR1254CCC500 | PO109257.D | 30 Jan 2025 01:41 | YP/AJ | Ok,M |
| 35 | I.BLK        | PO109258.D | 30 Jan 2025 01:59 | YP/AJ | Ok   |
| 36 | Q1209-01     | PO109259.D | 30 Jan 2025 02:18 | YP/AJ | Ok,M |
| 37 | Q1209-05     | PO109260.D | 30 Jan 2025 02:36 | YP/AJ | Ok   |
| 38 | AR1660CCC500 | PO109261.D | 30 Jan 2025 03:51 | YP/AJ | Ok,M |
| 39 | AR1242CCC500 | PO109262.D | 30 Jan 2025 04:09 | YP/AJ | Ok   |
| 40 | AR1248CCC500 | PO109263.D | 30 Jan 2025 04:28 | YP/AJ | Ok   |
| 41 | AR1254CCC500 | PO109264.D | 30 Jan 2025 04:46 | YP/AJ | Ok,M |
| 42 | I.BLK        | PO109265.D | 30 Jan 2025 05:05 | YP/AJ | Ok   |
| 43 | Q1208-01     | PO109266.D | 30 Jan 2025 05:23 | YP/AJ | Ok,M |
| 44 | AR1660CCC500 | PO109267.D | 30 Jan 2025 06:10 | YP/AJ | Ok,M |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012925**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/30/2025 10:18:15 AM         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory             | PO012925                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO012125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 45 | AR1242CCC500 | PO109268.D | 30 Jan 2025 06:28 | YP/AJ | Ok   |
| 46 | AR1248CCC500 | PO109269.D | 30 Jan 2025 06:46 | YP/AJ | Ok   |
| 47 | AR1254CCC500 | PO109270.D | 30 Jan 2025 07:04 | YP/AJ | Ok,M |
| 48 | I.BLK        | PO109271.D | 30 Jan 2025 07:23 | YP/AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_O

### Daily Analysis Runlog For Sequence/QC Batch ID # PO012125

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 1/22/2025 7:41:46 AM          |
| Supervise By | Ankita   | Supervise On      | 1/22/2025 8:29:10 AM          |
| SubDirectory | PO012125 | HP Acquire Method | HP Processing Method PO012125 |

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PO108980.D     | 21 Jan 2025 16:59 |         | YP/AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PO108981.D     | 21 Jan 2025 17:18 |         | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PO108982.D     | 21 Jan 2025 17:36 |         | YP/AJ    | Ok,M   |
| 4   | AR1660ICC750  | AR1660ICC750  | PO108983.D     | 21 Jan 2025 17:54 |         | YP/AJ    | Ok,M   |
| 5   | AR1660ICC500  | AR1660ICC500  | PO108984.D     | 21 Jan 2025 18:13 |         | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PO108985.D     | 21 Jan 2025 18:31 |         | YP/AJ    | Ok,M   |
| 7   | AR1660ICC050  | AR1660ICC050  | PO108986.D     | 21 Jan 2025 18:49 |         | YP/AJ    | Ok,M   |
| 8   | AR1221ICC500  | AR1221ICC500  | PO108987.D     | 21 Jan 2025 19:07 |         | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | AR1232ICC500  | PO108988.D     | 21 Jan 2025 19:26 |         | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | AR1242ICC1000 | PO108989.D     | 21 Jan 2025 19:44 |         | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | AR1242ICC750  | PO108990.D     | 21 Jan 2025 20:02 |         | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | AR1242ICC500  | PO108991.D     | 21 Jan 2025 20:21 |         | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | AR1242ICC250  | PO108992.D     | 21 Jan 2025 20:39 |         | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | AR1242ICC050  | PO108993.D     | 21 Jan 2025 20:57 |         | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | AR1248ICC1000 | PO108994.D     | 21 Jan 2025 21:16 |         | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | AR1248ICC750  | PO108995.D     | 21 Jan 2025 21:34 |         | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | AR1248ICC500  | PO108996.D     | 21 Jan 2025 21:52 |         | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | AR1248ICC250  | PO108997.D     | 21 Jan 2025 22:10 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012125**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 1/22/2025 7:41:46 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 1/22/2025 8:29:10 AM          |
| SubDirectory             | PO012125                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

|    |                |                   |            |                   |  |       |      |
|----|----------------|-------------------|------------|-------------------|--|-------|------|
| 19 | AR1248ICC050   | AR1248ICC050      | PO108998.D | 21 Jan 2025 22:29 |  | YP/AJ | Ok,M |
| 20 | AR1254ICC1000  | AR1254ICC1000     | PO108999.D | 21 Jan 2025 22:47 |  | YP/AJ | Ok   |
| 21 | AR1254ICC750   | AR1254ICC750      | PO109000.D | 21 Jan 2025 23:05 |  | YP/AJ | Ok   |
| 22 | AR1254ICC500   | AR1254ICC500      | PO109001.D | 21 Jan 2025 23:23 |  | YP/AJ | Ok   |
| 23 | AR1254ICC250   | AR1254ICC250      | PO109002.D | 21 Jan 2025 23:42 |  | YP/AJ | Ok   |
| 24 | AR1254ICC050   | AR1254ICC050      | PO109003.D | 22 Jan 2025 00:00 |  | YP/AJ | Ok   |
| 25 | AR1262ICC500   | AR1262ICC500      | PO109004.D | 22 Jan 2025 00:18 |  | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | AR1268ICC1000     | PO109005.D | 22 Jan 2025 00:37 |  | YP/AJ | Ok   |
| 27 | AR1268ICC750   | AR1268ICC750      | PO109006.D | 22 Jan 2025 00:55 |  | YP/AJ | Ok   |
| 28 | AR1268ICC500   | AR1268ICC500      | PO109007.D | 22 Jan 2025 01:13 |  | YP/AJ | Ok   |
| 29 | AR1268ICC250   | AR1268ICC250      | PO109008.D | 22 Jan 2025 01:31 |  | YP/AJ | Ok   |
| 30 | AR1268ICC050   | AR1268ICC050      | PO109009.D | 22 Jan 2025 01:50 |  | YP/AJ | Ok   |
| 31 | PO012125ICV500 | ICVPO012125       | PO109010.D | 22 Jan 2025 02:08 |  | YP/AJ | Ok,M |
| 32 | AR1242ICV500   | ICVPO012125AR1242 | PO109011.D | 22 Jan 2025 02:26 |  | YP/AJ | Ok   |
| 33 | AR1248ICV500   | ICVPO012125AR1248 | PO109012.D | 22 Jan 2025 02:44 |  | YP/AJ | Ok   |
| 34 | AR1254ICV500   | ICVPO012125AR1254 | PO109013.D | 22 Jan 2025 03:03 |  | YP/AJ | Ok   |
| 35 | AR1268ICV500   | ICVPO012125AR1268 | PO109014.D | 22 Jan 2025 03:21 |  | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

### Daily Analysis Runlog For Sequence/QC Batch ID # PO012925

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 1/30/2025 10:18:15 AM         |
| Supervise By | Ankita   | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory | PO012925 | HP Acquire Method | HP Processing Method PO012125 |

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |

| Sr# | SampleID     | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|--------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | AR1660CCC500 | AR1660CCC500  | PO109224.D     | 29 Jan 2025 11:53 |         | YP/AJ    | Ok,M   |
| 2   | AR1242CCC500 | AR1242CCC500  | PO109225.D     | 29 Jan 2025 12:11 |         | YP/AJ    | Ok     |
| 3   | AR1248CCC500 | AR1248CCC500  | PO109226.D     | 29 Jan 2025 12:29 |         | YP/AJ    | Ok,M   |
| 4   | AR1254CCC500 | AR1254CCC500  | PO109227.D     | 29 Jan 2025 12:47 |         | YP/AJ    | Ok     |
| 5   | I.BLK        | I.BLK         | PO109228.D     | 29 Jan 2025 13:04 |         | YP/AJ    | Ok     |
| 6   | PB166293BL   | PB166293BL    | PO109229.D     | 29 Jan 2025 13:21 |         | YP/AJ    | Ok     |
| 7   | PB166293BS   | PB166293BS    | PO109230.D     | 29 Jan 2025 13:40 |         | YP/AJ    | Ok,M   |
| 8   | Q1194-01     | B-110-SB01    | PO109231.D     | 29 Jan 2025 13:58 |         | YP/AJ    | Ok     |
| 9   | Q1194-02     | B-110-SB02    | PO109232.D     | 29 Jan 2025 14:15 |         | YP/AJ    | Ok     |
| 10  | Q1194-03     | B-113-SB01    | PO109233.D     | 29 Jan 2025 14:34 |         | YP/AJ    | Ok,M   |
| 11  | Q1194-03MS   | B-113-SB01MS  | PO109234.D     | 29 Jan 2025 14:51 |         | YP/AJ    | Ok,M   |
| 12  | Q1194-03MSD  | B-113-SB01MSD | PO109235.D     | 29 Jan 2025 15:08 |         | YP/AJ    | Ok,M   |
| 13  | Q1194-04     | B-113-SB02    | PO109236.D     | 29 Jan 2025 15:27 |         | YP/AJ    | Ok,M   |
| 14  | PB166333BL   | PB166333BL    | PO109237.D     | 29 Jan 2025 15:45 |         | YP/AJ    | Ok     |
| 15  | PB166333BS   | PB166333BS    | PO109238.D     | 29 Jan 2025 16:02 |         | YP/AJ    | Ok,M   |
| 16  | AR1660CCC500 | AR1660CCC500  | PO109239.D     | 29 Jan 2025 16:49 |         | YP/AJ    | Ok,M   |
| 17  | AR1242CCC500 | AR1242CCC500  | PO109240.D     | 29 Jan 2025 17:08 |         | YP/AJ    | Ok     |
| 18  | AR1248CCC500 | AR1248CCC500  | PO109241.D     | 29 Jan 2025 17:25 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012925**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 1/30/2025 10:18:15 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory             | PO012925                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

|    |              |                 |            |                   |                     |       |      |
|----|--------------|-----------------|------------|-------------------|---------------------|-------|------|
| 19 | AR1254CCC500 | AR1254CCC500    | PO109242.D | 29 Jan 2025 17:43 |                     | YP/AJ | Ok   |
| 20 | I.BLK        | I.BLK           | PO109243.D | 29 Jan 2025 18:02 |                     | YP/AJ | Ok   |
| 21 | Q1205-01     | VNJ-236         | PO109244.D | 29 Jan 2025 18:20 | AR1260 Hit          | YP/AJ | Ok,M |
| 22 | Q1205-01MS   | VNJ-236MS       | PO109245.D | 29 Jan 2025 18:37 |                     | YP/AJ | Ok,M |
| 23 | Q1205-01MSD  | VNJ-236MSD      | PO109246.D | 29 Jan 2025 18:55 |                     | YP/AJ | Ok,M |
| 24 | Q1206-03     | JPP-20.1-012725 | PO109247.D | 29 Jan 2025 19:13 |                     | YP/AJ | Ok,M |
| 25 | Q1206-07     | JPP-16.3-012725 | PO109248.D | 29 Jan 2025 19:31 | AR1254 + AR1260 Hit | YP/AJ | Ok,M |
| 26 | Q1207-03     | JPP-2.1-012725  | PO109249.D | 29 Jan 2025 19:49 | AR1260 Hit          | YP/AJ | Ok,M |
| 27 | Q1207-07     | JPP-5.1-012725  | PO109250.D | 29 Jan 2025 20:07 | AR1260 Hit          | YP/AJ | Ok,M |
| 28 | Q1207-11     | JPP-4.5-012725  | PO109251.D | 29 Jan 2025 20:26 |                     | YP/AJ | Ok,M |
| 29 | Q1207-15     | JPP-16.2-012725 | PO109252.D | 29 Jan 2025 20:44 | AR1260 Hit          | YP/AJ | Ok,M |
| 30 | Q1207-19     | JPP-20.2-012725 | PO109253.D | 29 Jan 2025 21:01 | AR1260 Hit          | YP/AJ | Ok,M |
| 31 | AR1660CCC500 | AR1660CCC500    | PO109254.D | 30 Jan 2025 00:46 |                     | YP/AJ | Ok,M |
| 32 | AR1242CCC500 | AR1242CCC500    | PO109255.D | 30 Jan 2025 01:04 |                     | YP/AJ | Ok   |
| 33 | AR1248CCC500 | AR1248CCC500    | PO109256.D | 30 Jan 2025 01:23 |                     | YP/AJ | Ok   |
| 34 | AR1254CCC500 | AR1254CCC500    | PO109257.D | 30 Jan 2025 01:41 |                     | YP/AJ | Ok,M |
| 35 | I.BLK        | I.BLK           | PO109258.D | 30 Jan 2025 01:59 |                     | YP/AJ | Ok   |
| 36 | Q1209-01     | WC-4            | PO109259.D | 30 Jan 2025 02:18 |                     | YP/AJ | Ok,M |
| 37 | Q1209-05     | WC-5            | PO109260.D | 30 Jan 2025 02:36 |                     | YP/AJ | Ok   |



Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO012925**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 1/30/2025 10:18:15 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 1/30/2025 10:38:48 AM         |
| SubDirectory             | PO012925                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO012125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

|    |              |              |            |                   |                        |       |      |
|----|--------------|--------------|------------|-------------------|------------------------|-------|------|
| 38 | AR1660CCC500 | AR1660CCC500 | PO109261.D | 30 Jan 2025 03:51 |                        | YP/AJ | Ok,M |
| 39 | AR1242CCC500 | AR1242CCC500 | PO109262.D | 30 Jan 2025 04:09 |                        | YP/AJ | Ok   |
| 40 | AR1248CCC500 | AR1248CCC500 | PO109263.D | 30 Jan 2025 04:28 |                        | YP/AJ | Ok   |
| 41 | AR1254CCC500 | AR1254CCC500 | PO109264.D | 30 Jan 2025 04:46 |                        | YP/AJ | Ok,M |
| 42 | I.BLK        | I.BLK        | PO109265.D | 30 Jan 2025 05:05 |                        | YP/AJ | Ok   |
| 43 | Q1208-01     | 60304        | PO109266.D | 30 Jan 2025 05:23 | DCB high in 1st column | YP/AJ | Ok,M |
| 44 | AR1660CCC500 | AR1660CCC500 | PO109267.D | 30 Jan 2025 06:10 |                        | YP/AJ | Ok,M |
| 45 | AR1242CCC500 | AR1242CCC500 | PO109268.D | 30 Jan 2025 06:28 |                        | YP/AJ | Ok   |
| 46 | AR1248CCC500 | AR1248CCC500 | PO109269.D | 30 Jan 2025 06:46 |                        | YP/AJ | Ok   |
| 47 | AR1254CCC500 | AR1254CCC500 | PO109270.D | 30 Jan 2025 07:04 |                        | YP/AJ | Ok,M |
| 48 | I.BLK        | I.BLK        | PO109271.D | 30 Jan 2025 07:23 |                        | YP/AJ | Ok,M |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 16:40  
In Date: 01/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:10  
Out Date: 01/29/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134456

| Lab ID   | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments   |
|----------|-----------------|--------|----------------|--------------|-------------------------|---------------------------|---------|------------|
| Q1191-03 | A44Y0           | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | FB solids  |
| Q1191-04 | A44Y1           | 2      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | FB solids  |
| Q1191-09 | VHBLK002        | 3      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | vhblk      |
| Q1205-01 | VNJ-236         | 4      | 1.15           | 8.64         | 9.79                    | 8.68                      | 87.2    |            |
| Q1206-01 | JPP-20.1-012725 | 5      | 1.18           | 8.42         | 9.6                     | 8.38                      | 85.5    |            |
| Q1206-03 | JPP-20.1-012725 | 6      | 1.19           | 8.50         | 9.69                    | 8.46                      | 85.5    |            |
| Q1206-05 | JPP-16.3-012725 | 7      | 1.16           | 8.80         | 9.96                    | 8.72                      | 85.9    |            |
| Q1206-07 | JPP-16.3-012725 | 8      | 1.19           | 8.51         | 9.7                     | 8.38                      | 84.5    |            |
| Q1207-01 | JPP-2.1-012725  | 9      | 1.15           | 8.51         | 9.66                    | 8.54                      | 86.8    |            |
| Q1207-04 | JPP-2.1-012725  | 10     | 1.16           | 8.61         | 9.77                    | 8.7                       | 87.6    |            |
| Q1207-05 | JPP-5.1-012725  | 11     | 1.15           | 8.59         | 9.74                    | 8.98                      | 91.2    |            |
| Q1207-07 | JPP-5.1-012725  | 12     | 1.18           | 8.60         | 9.78                    | 9.00                      | 90.9    |            |
| Q1207-08 | JPP-5.1-012725  | 13     | 1.18           | 8.60         | 9.78                    | 9.00                      | 90.9    |            |
| Q1207-09 | JPP-4.5-012725  | 14     | 1.17           | 8.82         | 9.99                    | 8.49                      | 83.0    |            |
| Q1207-11 | JPP-4.5-012725  | 15     | 1.19           | 8.80         | 9.99                    | 8.37                      | 81.6    |            |
| Q1207-12 | JPP-4.5-012725  | 16     | 1.19           | 8.80         | 9.99                    | 8.37                      | 81.6    |            |
| Q1207-13 | JPP-16.2-012725 | 17     | 1.13           | 8.80         | 9.93                    | 9.02                      | 89.7    |            |
| Q1207-15 | JPP-16.2-012725 | 18     | 1.15           | 8.67         | 9.82                    | 8.85                      | 88.8    |            |
| Q1207-16 | JPP-16.2-012725 | 19     | 1.15           | 8.67         | 9.82                    | 8.85                      | 88.8    |            |
| Q1207-17 | JPP-20.2-012725 | 20     | 1.12           | 8.77         | 9.89                    | 8.85                      | 88.1    |            |
| Q1207-19 | JPP-20.2-012725 | 21     | 1.17           | 8.53         | 9.7                     | 8.66                      | 87.8    |            |
| Q1207-20 | JPP-20.2-012725 | 22     | 1.17           | 8.53         | 9.7                     | 8.66                      | 87.8    |            |
| Q1208-01 | 60304           | 23     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample |
| Q1209-01 | WC-4            | 24     | 1.17           | 8.80         | 9.97                    | 8.5                       | 83.3    |            |
| Q1209-02 | WC-4-EPH        | 25     | 1.15           | 8.64         | 9.79                    | 8.39                      | 83.8    |            |
| Q1209-03 | WC-4-VOC        | 26     | 1.14           | 8.82         | 9.96                    | 8.56                      | 84.1    |            |
| Q1209-05 | WC-5            | 27     | 1.15           | 8.82         | 9.97                    | 8.95                      | 88.4    |            |
| Q1209-06 | WC-5-EPH        | 28     | 1.13           | 8.85         | 9.98                    | 8.55                      | 83.8    |            |



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 16:40  
In Date: 01/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:10  
Out Date: 01/29/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134456

| Lab ID   | Client SampleID | Dish # | Dish Wt (g) (A) | Sample Wt (g) | Dish + Sample Wt (g) (B) | Dish+Dry Sample Wt (g) (C) | % Solid | Comments |
|----------|-----------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|----------|
| Q1209-07 | WC-5-VOC        | 29     | 1.15            | 8.74          | 9.89                     | 8.27                       | 81.5    |          |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

UP 134456

WorkList Name : %1-012825

WorkList ID : 187196

Department : Wet-Chemistry

Date : 01-28-2025 07:59:28

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1206-01 | JPP-20.1-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1206-03 | JPP-20.1-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1206-05 | JPP-16.3-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1206-07 | JPP-16.3-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-01 | JPP-2.1-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-04 | JPP-2.1-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-13 | JPP-16.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-15 | JPP-16.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-16 | JPP-16.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-17 | JPP-20.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-19 | JPP-20.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-20 | JPP-20.2-012725 | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-05 | JPP-5.1-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-07 | JPP-5.1-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-08 | JPP-5.1-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-09 | JPP-4.5-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-11 | JPP-4.5-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1207-12 | JPP-4.5-012725  | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1205-01 | VNJ-236         | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1208-01 | 60304           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/28/2025   | Chemtech -SO |
| Q1209-01 | WC-4            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N31                         | 01/28/2025   | Chemtech -SO |
|          |                 |        |                |              | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |

Date/Time 01/28/25 15:30

Raw Sample Received by: ID WLC

Raw Sample Relinquished by: CP SM

Date/Time 01/28/25 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: ID WLC

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012825

WorkList ID : 187196

Department : Wet-Chemistry

VB 134456

Date : 01-28-2025 07:59:28

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1209-02 | WC-4-EPH        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1209-03 | WC-4-VOC        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1209-05 | WC-5            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1209-06 | WC-5-EPH        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1209-07 | WC-5-VOC        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1191-03 | A44Y0           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | Chemtech -SO |
| Q1191-04 | A44Y1           | Solid  | Percent Solids | Cool 4 deg C | USEP04   | B21                         | 01/24/2025   | Chemtech -SO |
| Q1191-09 | VHBLK002        | Solid  | Percent Solids | Cool 4 deg C | USEP04   | B21                         | 01/24/2025   | Chemtech -SO |
|          |                 |        |                |              | USEP04   | B21                         | 01/25/2025   | Chemtech -SO |

Date/Time 01/28/25 15:30  
 Raw Sample Received by: SB w/c  
 Raw Sample Relinquished by: CP SM

Q1207-PCB

Date/Time 01/28/25 17:10  
 Raw Sample Received by: CP SM  
 Raw Sample Relinquished by: SB w/c

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 1/30/2025

OVENTEMP IN Celsius(°C): 108  
Time IN: 16:40  
In Date: 01/29/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:00  
Out Date: 01/30/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134472

| Lab ID   | Client SampleID   | Dish # | Dish Wt (g) (A) | Sample Wt (g) | Dish + Sample Wt (g) (B) | Dish+Dry Sample Wt (g) (C) | % Solid | Comments                   |
|----------|-------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|----------------------------|
| Q1207-03 | JPP-2.1-012725    | 1      | 1.16            | 8.61          | 9.77                     | 8.7                        | 87.6    |                            |
| Q1218-01 | BELL-25-002       | 2      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oily-debris                |
| Q1219-01 | LAW-25-0015       | 3      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oily-debris                |
| Q1220-01 | TR-06-01292025    | 4      | 1.15            | 8.40          | 9.55                     | 8.98                       | 93.2    |                            |
| Q1220-02 | TR-06-01292025-E2 | 5      | 1.17            | 8.58          | 9.75                     | 8.87                       | 89.7    |                            |
| Q1221-01 | CHESTNUT-CONCRETE | 6      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | stone sample, 100 % solids |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

VB 134472

WorkList Name : %1-012925

WorkList ID : 187236

Department : Wet-Chemistry

Date : 01-29-2025 07:55:09

| Sample   | Customer Sample   | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1207-03 | JPP-2.1-012725    | Solid  | Percent Solids | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | Chemtech -SO |
| Q1218-01 | BELL-25-002       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/29/2025   | Chemtech -SO |
| Q1219-01 | LAW-25-0015       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/29/2025   | Chemtech -SO |
| Q1221-01 | CHESTNUT-CONCRETE | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | N41                         | 01/29/2025   | Chemtech -SO |
| Q1220-01 | TR-06-01292025    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N41                         | 01/29/2025   | Chemtech -SO |
| Q1220-02 | TR-06-01292025-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | N41                         | 01/29/2025   | Chemtech -SO |

Date/Time 01/29/25 15:40 15:40

Raw Sample Received by: JB (w/c)

Raw Sample Relinquished by: CFSM

Q1207-PCB

Date/Time 01/29/25 17:10

Raw Sample Received by: CFSM

Raw Sample Relinquished by: JB (w/c)



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

**Clean Up SOP #:** Acid Cleanup

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** EH

**Balance ID:** EX-SC-2

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

**Extraction By:** RS

**Filter By:** RS

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 01/29/2025

**Extraction Start Time :** 08:55

**Extraction End Date :** 01/29/2025

**Extraction End Time :** 11:55

**Concentration By:** EH

**Supervisor By :** rajesh

**Extraction Method:** ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standardized Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------|----------|---------------------|---------------------|
| Surrogate         | 1.0ML    | 200 PPB             | PP24123             |
| Spike Sol 1       | 1.0ML    | 5000 PPB            | PP24093             |
| N/A               | N/A      | N/A                 | N/A                 |
| N/A               | N/A      | N/A                 | N/A                 |
| N/A               | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Hexane/Acetone/1:1 | N/A            | EP2579     |
| Baked Na2SO4       | N/A            | EP2580     |
| Sand               | N/A            | E2865      |
| Hexane             | N/A            | E3868      |
| H2SO4 1:1          | N/A            | EP2565     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

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

40 ML Vial lot# 03-40 BTS721. Q1208-01 Limited volume used As sample is Oil.

**KD Bath ID:** N/A

**Envap ID:** NEVAP-02

**KD Bath Temperature:** N/A

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 01/29/25    | RP (Ept Lab)                            | RP (Ept Lab)         |
| 12:00       | Preparation Group                       | Analysis Group       |



Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/29/2025

| Sample ID       | Client Sample ID | Test | g / mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|------|--------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |      |        |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166333BL      | ABLK333          | PCB  | 30.01  | N/A | RUPESH         | Evelyn     | 10                 |       |          | U7-1        |
| PB166333BS      | ALCS333          | PCB  | 30.03  | N/A | RUPESH         | Evelyn     | 10                 |       |          | 2           |
| Q1205-01        | VNJ-236          | PCB  | 30.05  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 3           |
| Q1205-01MS      | VNJ-236MS        | PCB  | 30.06  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 4           |
| Q1205-01MS<br>D | VNJ-236MSD       | PCB  | 30.08  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 5           |
| Q1206-03        | JPP-20.1-012725  | PCB  | 30.05  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 6           |
| Q1206-07        | JPP-16.3-012725  | PCB  | 30.04  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | U4-1        |
| Q1207-03        | JPP-2.1-012725   | PCB  | 30.01  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 2           |
| Q1207-07        | JPP-5.1-012725   | PCB  | 30.02  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 3           |
| Q1207-11        | JPP-4.5-012725   | PCB  | 30.07  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 4           |
| Q1207-15        | JPP-16.2-012725  | PCB  | 30.03  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 5           |
| Q1207-19        | JPP-20.2-012725  | PCB  | 30.06  | N/A | RUPESH         | Evelyn     | 10                 | F     |          | 6           |
| Q1208-01        | 60304            | PCB  | 1.05   | N/A | RUPESH         | Evelyn     | 10                 | B     | Oil      |             |
| Q1209-01        | WC-4             | PCB  | 30.02  | N/A | RUPESH         | Evelyn     | 10                 | A     |          | U2-1        |
| Q1209-05        | WC-5             | PCB  | 30.05  | N/A | RUPESH         | Evelyn     | 10                 | A     |          | 2           |

\* Extracts relinquished on the same date as received.

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1205

WorkList ID : 187239

Department : Extraction

Date : 01-29-2025 08:22:01

| Sample   | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------|--------------|----------|-----------------------------|--------------|--------|
| Q1205-01 | VNJ-236         | Solid  | PCB  | Cool 4 deg C | PSEG03   | N31                         | 01/28/2025   | 8082A  |
| Q1206-03 | JPP-20.1-012725 | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1206-07 | JPP-16.3-012725 | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1207-03 | JPP-2.1-012725  | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1207-07 | JPP-5.1-012725  | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1207-11 | JPP-4.5-012725  | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1207-15 | JPP-16.2-012725 | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1207-19 | JPP-20.2-012725 | Solid  | PCB  | Cool 4 deg C | RUTW01   | E11                         | 01/27/2025   | 8082A  |
| Q1208-01 | 60304           | Solid  | PCB  | Cool 4 deg C | PSEG03   | N31                         | 01/28/2025   | 8082A  |
| Q1209-01 | WC-4            | Solid  | PCB  | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | 8082A  |
| Q1209-05 | WC-5            | Solid  | PCB  | Cool 4 deg C | PSEG03   | N41                         | 01/28/2025   | 8082A  |

Date/Time 01/29/25 8:50  
 Raw Sample Received by: Rs (Seg 64)  
 Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 9:20  
 Raw Sample Received by: CP SM  
 Raw Sample Relinquished by: Rs (Seg 104)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q1207

**Test :** PCB

**Prepbatch ID :** PB166333,

**Sequence ID/Qc Batch ID:** Po012925,

### Standard ID :

EP2565,EP2579,EP2580,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24093,PP24123,

### Chemical ID :

E2865,E3551,E3804,E3805,E3825,E3843,E3846,E3847,E3868,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W3112,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>           |
|------------------|----------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|--------------------------------|
| 314              | 1.1 H2SO4 SOLN | <a href="#">EP2565</a> | 11/20/2024       | 05/20/2025             | Rajesh Parikh      | None           | None             | RUPESHKUMAR SHAH<br>11/20/2024 |

**FROM** 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>           |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|--------------------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2579</a> | 01/06/2025       | 06/16/2025             | Rajesh Parikh      | None           | None             | RUPESHKUMAR SHAH<br>01/06/2025 |

**FROM** 8000.00000ml of E3846 + 8000.00000ml of E3847 = Final Quantity: 8000.000 ml

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                      | <u>PipetteID</u> | <u>Supervised By</u>              |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|-------------------------------------|------------------|-----------------------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2580</a> | 01/17/2025       | 07/01/2025             | Rajesh Parikh      | Extraction_SC<br>ALE_2<br>(EX-SC-2) | None             | RUPESHKUMAR<br>SHAH<br>01/17/2025 |

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

| <u>Recipe ID</u> | <u>NAME</u>                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP23733</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 202              | AR1660 1000/100 ppb working solution 1st source | <a href="#">PP23735</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 203              | AR1660 750 PPB STD | <a href="#">PP23736</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 204              | AR1660 500 PPB STD | <a href="#">PP23737</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 205              | AR1660 250 PPB STD | <a href="#">PP23738</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 206              | AR1660 50 PPB STD | <a href="#">PP23739</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 213              | AR1221 1000 PPB WORKING SOLUTION | <a href="#">PP23740</a> | 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



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1079             | AR1221 750 PPB STD | <a href="#">PP23741</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 222              | AR1221 500 PPB STD | <a href="#">PP23742</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1080             | AR1221 250 PPB STD | <a href="#">PP23743</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1081             | AR1221 50 PPB STD | <a href="#">PP23744</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 214              | AR1232 1000 PPB WORKING SOLUTION | <a href="#">PP23745</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1063             | AR1232 750 PPB STD | <a href="#">PP23747</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 223              | AR1232 500 PPB STD | <a href="#">PP23748</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1064             | AR1232 250 PPB STD | <a href="#">PP23749</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1065             | AR1232 50 PPB STD | <a href="#">PP23750</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 215              | AR1242 1000 PPB WORKING STD | <a href="#">PP23751</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1067             | AR1242 750 PPB STD | <a href="#">PP23752</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 224              | AR1242 500 PPB STD | <a href="#">PP23753</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1068             | AR1242 250 PPB STD | <a href="#">PP23754</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1069             | AR1242 50 PPB STD | <a href="#">PP23755</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 216              | AR1248 1000 PPB WORKING STD | <a href="#">PP23756</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1075             | AR1248 750 PPB STD | <a href="#">PP23757</a> | 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



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 225              | AR1248 500 PPB STD | <a href="#">PP23758</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1076             | AR1248 250 PPB STD | <a href="#">PP23759</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1077             | AR1248 50 PPB STD | <a href="#">PP23760</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 217              | AR1254 1000 PPB WORKING STD | <a href="#">PP23761</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1071             | AR1254 750 PPB STD | <a href="#">PP23762</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 226              | AR1254 500 PPB STD | <a href="#">PP23763</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1072             | AR1254 250 PPB STD | <a href="#">PP23764</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1073             | AR1254 50 PPB STD | <a href="#">PP23765</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1529             | AR1262 1000 PPB Working Solution | <a href="#">PP23766</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3753             | AR1262 750 PPB STD | <a href="#">PP23767</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1530             | AR1262 500 PPB STD | <a href="#">PP23768</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3754             | AR1262 250 PPB STD | <a href="#">PP23769</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3755             | AR1262 50 PPB STD | <a href="#">PP23770</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1532             | AR1268 1000 PPB Working Solution | <a href="#">PP23771</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3820             | AR1268 750 PPB STD | <a href="#">PP23772</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1533             | AR1268 500 PPB STD | <a href="#">PP23773</a> | 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



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3821             | AR1268 250 PPB STD | <a href="#">PP23774</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3822             | AR1268 50 PPB STD | <a href="#">PP23775</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 404              | AR1660 100 PPM Stock Solution<br>2nd Source | <a href="#">PP23776</a> | 10/03/2024       | 04/01/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 405              | AR1660 1000/100 PPB ICV STD | <a href="#">PP23777</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 406              | AR1660 500 PPB ICV | <a href="#">PP23778</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3789             | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | <a href="#">PP23779</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3790             | AR1221 500 PPB ICV(AGILENT) | <a href="#">PP23780</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1887             | AR1232 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23781</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1889             | AR1242 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23782</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1888             | AR1232 500 PPB ICV | <a href="#">PP23783</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1891             | AR1242 500 PPB ICV | <a href="#">PP23784</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1890             | AR1248 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23785</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1892             | AR1248 500 PPB ICV | <a href="#">PP23786</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1893             | AR1254 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23787</a> | 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

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1894             | AR1254 500 PPB ICV | <a href="#">PP23788</a> | 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

| <u>Recipe ID</u> | <u>NAME</u>                                    | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3757             | AR1262 1000 PPB Working Solution second source | <a href="#">PP23789</a> | 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



## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 3758             | AR1262 500 PPB STD ICV | <a href="#">PP23790</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 3817             | AR1268 1000 ppb Working Soln.<br>2nd source | <a href="#">PP23946</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>11/13/2024 |

**FROM** 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3823             | AR1268 500 PPB STD ICV | <a href="#">PP23947</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                        |                         |                  |                        |                    |                |                  | 11/13/2024           |

**FROM** 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3857             | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | <a href="#">PP24093</a> | 12/20/2024       | 04/03/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                        |                         |                  |                        |                    |                |                  | 01/16/2025           |

**FROM** 0.50000ml of P12947 + 99.50000ml of E3843 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u>                                                                     | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|--------------------------------------------------------------------------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465                                                                                  | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24123</a> | 01/20/2025       | 06/26/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| <b>FROM</b> 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml |                                  |                         |                  |                        |                    |                |                  |                      |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025      | 04/30/2020 / RAJESH     | 04/28/2020 / RAJESH         | E2865          |

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

| Supplier         | ItemCode / ItemName               | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-----------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 11/05/2025      | 10/01/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3804          |

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

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 11/06/2025      | 11/06/2024 / Rajesh     | 11/01/2024 / Rajesh         | E3825          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/05/2025      | 12/05/2024 / Rajesh     | 12/05/2024 / Rajesh         | E3843          |

## 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) | 24H2762008 | 06/26/2025      | 12/26/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3846          |

| 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 | 06/16/2025      | 12/16/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3847          |

| 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 | 07/17/2025      | 01/17/2025 / Rajesh     | 01/02/2025 / Rajesh         | E3868          |

| Supplier         | ItemCode / ItemName                                     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000281827 | 06/02/2025      | 06/01/2022 /            | 04/05/2022 / william        | M5173          |

| Supplier | ItemCode / ItemName                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0163157 | 04/03/2025      | 10/03/2024 / Ankita     | 03/19/2021 / Abdul          | P10483         |

| Supplier | ItemCode / ItemName                                       | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0167722 | 04/03/2025      | 10/03/2024 / Ankita     | 03/19/2021 / Ankita         | P10500         |

## CHEMICAL RECEIPT LOG BOOK

| 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         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006626997 | 04/03/2025      | 10/03/2024 / Ankita     | 02/21/2022 / Ankita         | P11512         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-382-1 / Aroclor 1268 | 0006587800 | 05/07/2025      | 11/07/2024 / Ankita     | 02/21/2022 / Ankita         | P11521         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0175456 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11581         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0173309 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11587         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0175403 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11590         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                       | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | 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         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 04/03/2025      | 10/03/2024 / Ankita     | 12/07/2023 / Ankita         | P12929         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 04/03/2025      | 10/03/2024 / Ankita     | 12/07/2023 / Ankita         | P12934         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P12947         |

| Supplier                 | ItemCode / ItemName | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / Aroclor 1254      | 121823 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P12957         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                | ItemCode / ItemName  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|----------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P13033         |

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

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 07/20/2025      | 01/20/2025 / Abdul      | 04/22/2024 / Abdul          | P13353         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025      | 10/03/2024 / Ankita     | 05/02/2024 / Ankita         | P13372         |

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------|---------------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 / Iwona      | 07/03/2024 / Iwona          | W3112          |



Sand  
Purified  
Washed and Ignited



Material No.: 3382-05  
Batch No.: 0000243821  
Manufactured Date: 2018/04/09  
Retest Date: 2025/04/07  
Revision No: 1

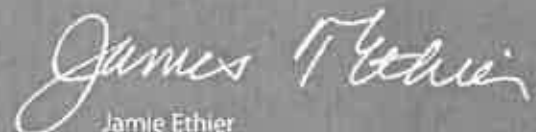
## Certificate of Analysis

| Test                      | Specification | Result |
|---------------------------|---------------|--------|
| Substances Soluble in HCl | $\leq 0.16\%$ | 0.01   |

For Laboratory, Research or Manufacturing Use  
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US  
Packaging Site: Paris Mfg Ctr & DC

E 2865

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS  
QUÍMICOS  
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 <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER : | 6399                              | RELEASE DATE: | ABR/21/2023                     |
| LOT NUMBER :           | 313201                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | 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 <sub>4</sub> )             | 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 foreign 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 R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

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 <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.5 %      | 99.8 %      |
| Color (APHA)                                                            | ≤ 10          | < 5         |
| Residue after Evaporation                                               | ≤ 5 ppm       | < 1 ppm     |
| Titration Acid (μeq/g)                                                  | ≤ 0.3         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.5         | 0.1         |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.1 %       |
| Solubility in H <sub>2</sub> O                                          | Passes Test   | Passes Test |
| Chloride (Cl)                                                           | ≤ 0.2 ppm     | < 0.2 ppm   |
| Phosphate (PO <sub>4</sub> )                                            | ≤ 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   |

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone  
CMOS

avantor™



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™**



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™



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 <sub>6</sub> 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 <sub>2</sub> SO <sub>4</sub>                           | 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

E 3805

Jamie Croak  
Director Quality Operations, Bioscience Production

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 <sub>6</sub> 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 <sub>2</sub> SO <sub>4</sub>                           | 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

£ 3825

*J. Croak*  
Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| 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: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700



Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| 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: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846

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

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 <sub>6</sub> 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 <sub>2</sub> SO <sub>4</sub>                           | 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 12/13/24

E3847

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production

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 <sub>8</sub> 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 <sub>2</sub> SO <sub>4</sub>                           | 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

Rec'd by RP on 01/03/25

E3868

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production

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 <sub>2</sub> ) | <= 0.5 ppm    | < 0.5   |
| Phosphate (PO <sub>4</sub> )              | <= 0.05 ppm   | < 0.03  |
| Sulfate (SO <sub>4</sub> )                | <= 0.5 ppm    | < 0.3   |
| Sulfite (SO <sub>3</sub> )                | <= 0.8 ppm    | 0.3     |
| Ammonium (NH <sub>4</sub> )               | <= 3 ppm      | < 1     |
| Trace Impurities – Arsenic (As)           | <= 0.010 ppm  | < 0.003 |
| Trace Impurities – Aluminum (Al)          | <= 10.0 ppb   | 0.5     |
| Arsenic and Antimony (as As)              | <= 5 ppb      | < 3     |
| Trace Impurities – Barium (Ba)            | <= 1.0 ppb    | < 0.2   |
| Trace Impurities – Beryllium (Be)         | <= 1.0 ppb    | < 0.2   |
| Trace Impurities – Bismuth (Bi)           | <= 10.0 ppb   | < 1.0   |
| Trace Impurities – Boron (B)              | <= 20.0 ppb   | < 5.0   |
| Trace Impurities – Cadmium (Cd)           | <= 1.0 ppb    | < 0.3   |
| Trace Impurities – Calcium (Ca)           | <= 50.0 ppb   | 15.0    |
| Trace Impurities – Chromium (Cr)          | <= 1.0 ppb    | < 0.4   |
| Trace Impurities – Cobalt (Co)            | <= 1.0 ppb    | < 0.3   |
| Trace Impurities – Copper (Cu)            | <= 1.0 ppb    | < 0.1   |
| Trace Impurities – Gallium (Ga)           | <= 1.0 ppb    | < 0.2   |

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

| Test                                                   | Specification | Result |
|--------------------------------------------------------|---------------|--------|
| Trace Impurities – Germanium (Ge)                      | <= 3.0 ppb    | < 2.0  |
| Trace Impurities – Gold (Au)                           | <= 4.0 ppb    | 3.0    |
| Heavy Metals (as Pb)                                   | <= 100 ppb    | < 50   |
| Trace Impurities – Iron (Fe)                           | <= 15.0 ppb   | 1.0    |
| Trace Impurities – Lead (Pb)                           | <= 1.0 ppb    | < 0.5  |
| Trace Impurities – Lithium (Li)                        | <= 1.0 ppb    | < 0.2  |
| Trace Impurities – Magnesium (Mg)                      | <= 10.0 ppb   | < 0.4  |
| Trace Impurities – Manganese (Mn)                      | <= 1.0 ppb    | < 0.4  |
| Trace Impurities – Mercury (Hg)                        | <= 0.5 ppb    | 0.2    |
| Trace Impurities – Molybdenum (Mo)                     | <= 10.0 ppb   | < 5.0  |
| Trace Impurities – Nickel (Ni)                         | <= 4.0 ppb    | < 0.3  |
| Trace Impurities – Niobium (Nb)                        | <= 1.0 ppb    | < 0.2  |
| Trace Impurities – Potassium (K)                       | <= 9.0 ppb    | < 2.0  |
| Trace Impurities – Selenium (Se), For Information Only | ppb           | 1.0    |
| Trace Impurities – Silicon (Si)                        | <= 100.0 ppb  | 18.0   |
| Trace Impurities – Silver (Ag)                         | <= 1.0 ppb    | < 0.3  |
| Trace Impurities – Sodium (Na)                         | <= 100.0 ppb  | < 5.0  |
| Trace Impurities – Strontium (Sr)                      | <= 1.0 ppb    | < 0.2  |
| Trace Impurities – Tantalum (Ta)                       | <= 1.0 ppb    | < 0.9  |
| Trace Impurities – Thallium (Tl)                       | <= 5.0 ppb    | < 2.0  |
| Trace Impurities – Tin (Sn)                            | <= 5.0 ppb    | < 0.8  |
| Trace Impurities – Titanium (Ti)                       | <= 1.0 ppb    | < 0.2  |
| Trace Impurities – Vanadium (V)                        | <= 1.0 ppb    | < 0.2  |
| Trace Impurities – Zinc (Zn)                           | <= 5.0 ppb    | 0.4    |
| Trace Impurities – Zirconium (Zr)                      | <= 1.0 ppb    | < 0.1  |

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# Certificate of Analysis



## 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<br>CAS # 12674-11-2 (Lot 04)<br>Purity ----% | 1,007.0 µg/mL               | +/- 5.8683 µg/mL Gravimetric<br>+/- 31.9082 µg/mL Unstressed<br>+/- 41.6868 µg/mL Stressed |
| 2             | Aroclor 1260<br>CAS # 11096-82-5 (Lot 07)<br>Purity ----% | 1,008.0 µg/mL               | +/- 5.8741 µg/mL Gravimetric<br>+/- 31.9399 µg/mL Unstressed<br>+/- 41.7282 µg/mL Stressed |

**Solvent:** Hexane  
CAS # 110-54-3  
Purity 99%

P 10476

P 10480

AR  
02/19/21

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

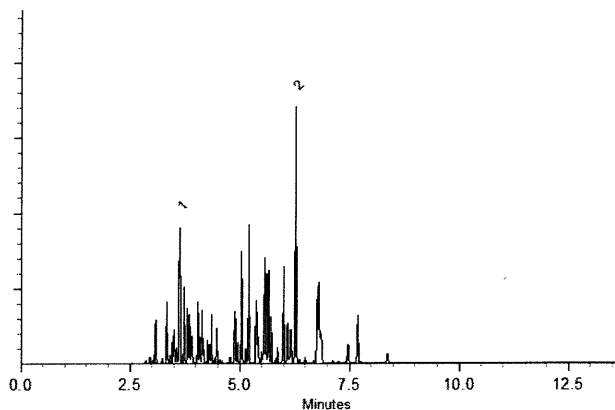
250°C

**Det. Temp:**

300°C

**Det. Type:**

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311

  
Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## Certificate of Analysis



### 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  
↓  
P10500

AJ  
09/19/21



**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

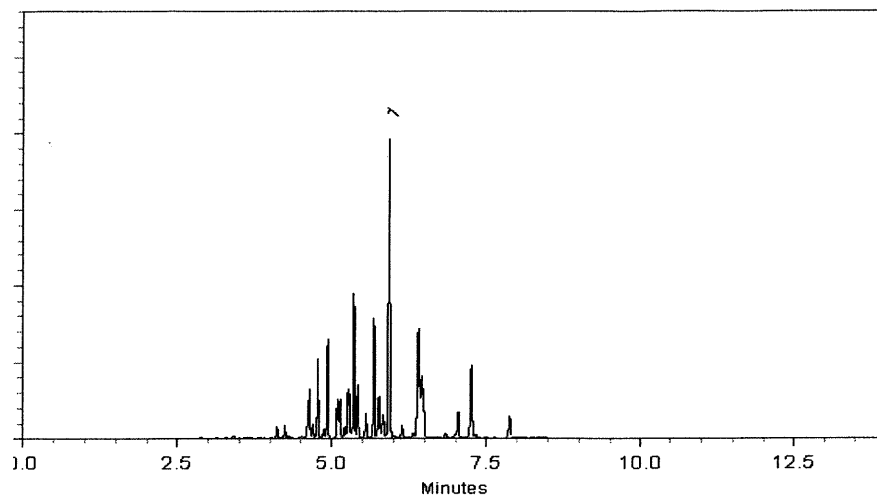
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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*  
Sam Moodler - Operations Tech I

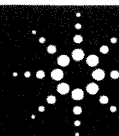
**Date Mixed:** 03-Jan-2021      **Balance:** B707717271

*Marlene Cowan*  
Marlene 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

| Component Name | CERTIFIED VALUES |                      |  | CAS#        | Analyte Lot |
|----------------|------------------|----------------------|--|-------------|-------------|
|                | Concentration    | Expanded Uncertainty |  |             |             |
| 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](http://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.

P11503  
↓  
P11507

AJ  
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



**Agilent**

Trusted Answers

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015  
Quality Management System. Cert# 951215321

Page: 2 of 2

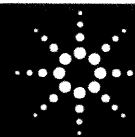
[www.agilent.com/quality/](http://www.agilent.com/quality/)

CSD-QA-015.1



ISO 17025  
Cert No. AT-

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

| Component Name | CERTIFIED VALUES |                      | CAS#        | Analyte Lot |
|----------------|------------------|----------------------|-------------|-------------|
|                | Concentration    | Expanded Uncertainty |             |             |
| 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](http://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.

Page: 1 of 2

CSD-QA-015.1

P11508

↓  
P11512

AJ

2/21/22

ISO 17034



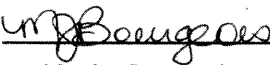
**Agilent**

Trusted Answers

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**



Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015  
Quality Management System. Cert# 951215321

Page: 2 of 2

[www.agilent.com/quality/](http://www.agilent.com/quality/)

CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



# Certificate of Analysis

P11518  
↓  
P11522  
AJ  
02/21/22

**Product Name:** Aroclor 1268 Standard

**Product Number:** PP-382-1

**Lot Issue Date:** 09-Feb-2021

**Lot Number:** 0006587800

**Expiration Date:** 31-Mar-2029

**Description:**

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte      | CAS#        | Analyte Lot | Concentration ± Uncertainty |
|--------------|-------------|-------------|-----------------------------|
| Aroclor 1268 | 011100-14-4 | RM00937     | 100.0 ± 0.5 µg/mL           |

**Matrix:** isooctane (2,2,4-trimethylpentane)

**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Intended Use:**

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Hazards:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this RM.

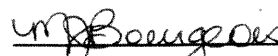
**Expiration of Certification:**

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

  
Monica Bourgeois  
QMS Representative



ISO 17034 Cert  
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026  
Page: 1 of 1

[www.agilent.com/quality/](http://www.agilent.com/quality/)  
CSD-QA-015.1



ISO 17025 Cert  
No. AT-1937



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Fax: (814)353-1309

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# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis



### 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)

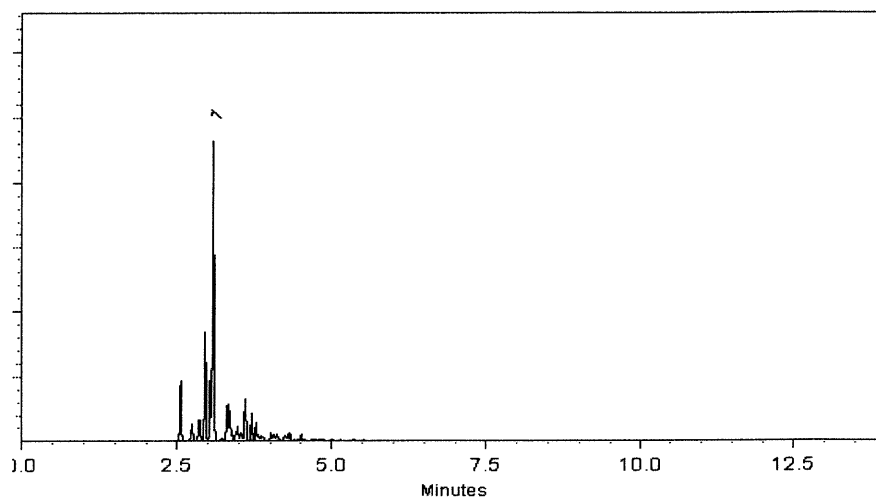
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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*  
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 Balance: B442140311

*Marlene Cowan*  
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P11578  
↓  
P11582 / (S)

AR  
04/30/22





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## Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 32008 **Lot No.:** A0173309  
**Description :** Aroclor® 1232 Standard  
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** September 30, 2027 **Storage:** 25°C nominal  
**Handling:** This product contains PCBs. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                        | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|---------------------------------|-----------------------------|--------------------------------------|
| 1             | Aroclor 1232                    | 1,001.0 µg/mL               | +/- 5.9456 µg/mL Gravimetric         |
|               | CAS # 11141-16-5 (Lot 15665-01) |                             | +/- 31.7389 µg/mL Unstressed         |
|               | Purity ----%                    |                             | +/- 41.4544 µg/mL Stressed           |

**Solvent:** Hexane  
CAS # 110-54-3  
Purity 99%

P11583  
↓  
P11587 / (S)

AR  
04/30/22

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

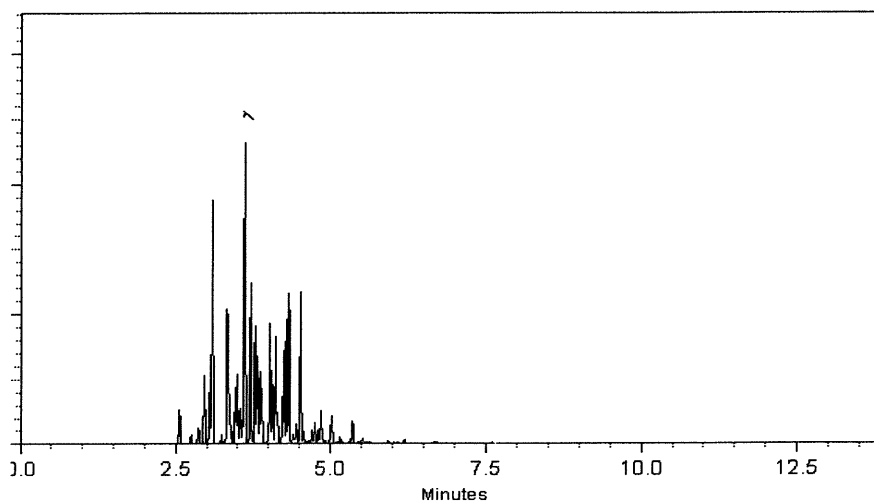
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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*  
Sam Moodler - Operations Tech I

**Date Mixed:** 13-Jun-2021      **Balance:** B442140311

*Alexis Shelow*  
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

AR  
04/30/22



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## Certificate of Analysis



### 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 / (S)

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:**

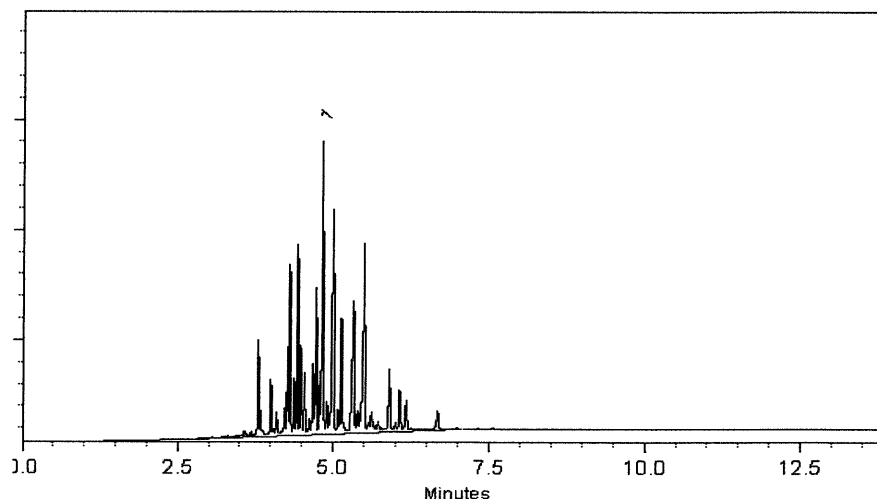
250°C

**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*

Cathleen Soltis - Mix Technician

Date Mixed: 15-Aug-2021

Balance: 1128360905

*Alexis Shelow*

Alexis Shelow - Operations Tech I

Date Passed: 17-Aug-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P11588  
↓  
P11592 / (5)

AR  
04/30/22



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# Certificate of Analysis



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<br>CAS # 11100-14-4 (Lot 10947000)<br>Purity ----% | 1,001.4 µg/mL               | +/- 5.9480 µg/mL Gravimetric<br>+/- 31.7516 µg/mL Unstressed<br>+/- 41.4710 µg/mL Stressed |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

P 11593  
↓  
P 11597  
LAR  
04/30/2022

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

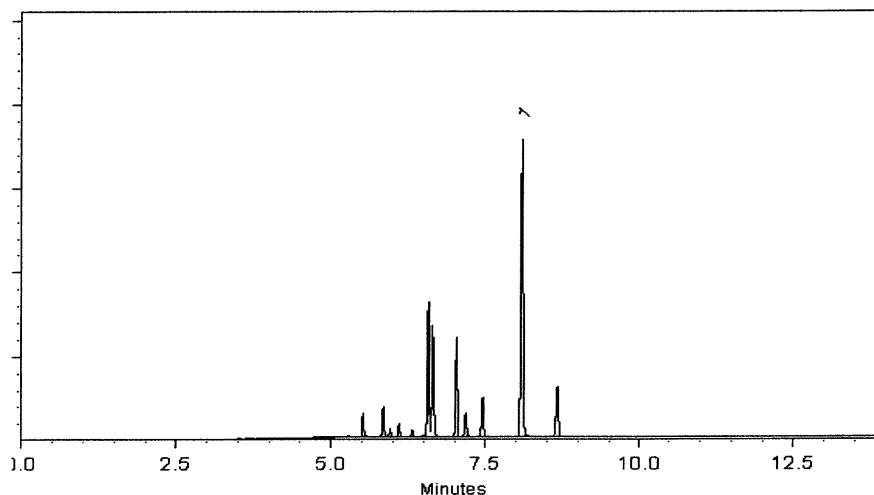
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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 S. Riglin*  
Penelope Riglin - Operations Tech I

**Date Mixed:** 14-Feb-2022

**Balance:** 1128360905

*Clara Windle*  
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  
[Signature]  
04/30/2022



## 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 ( $\mu\text{g/mL}$ ): **100**  
 NIST Test ID#: **6UTB**

Solvent/  
Acet

Weight(s) shown below were combined and diluted to (mL): **100.0**

5E-05 Balance Uncertainty

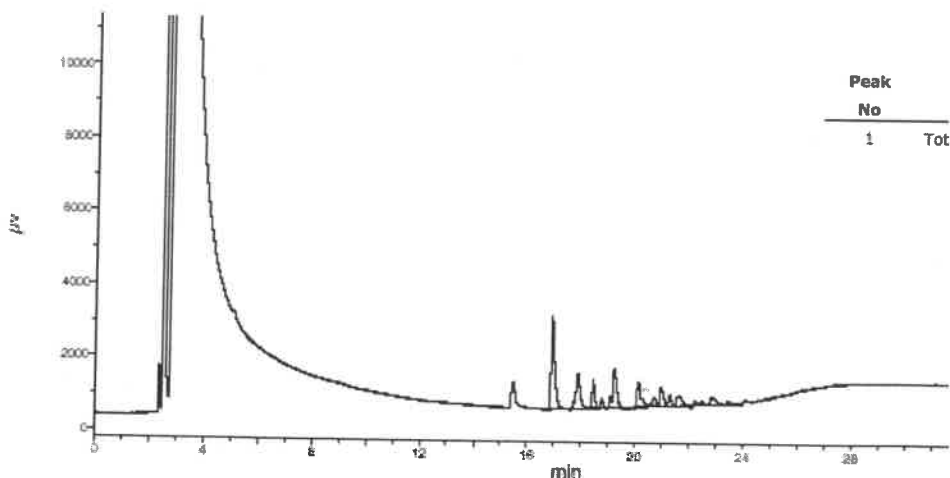
0.057 Flask Uncertainty

| Compound        | RM# | Lot Number | Nominal Conc ( $\mu\text{g/mL}$ ) | 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 Measurements", 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 X 5 $\mu\text{m}$  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 = 1.5 $\mu\text{L}$ , Range=3





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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

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:**

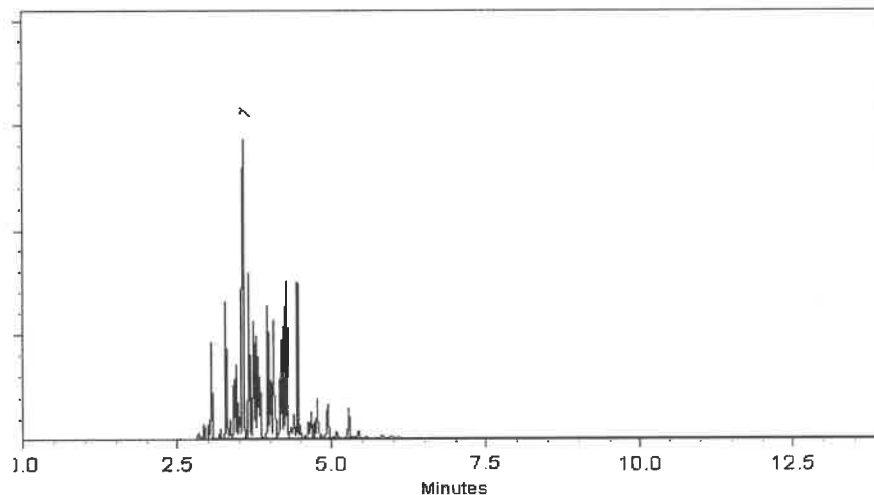
ECD

**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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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**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

P12993  
↓  
P12997  
AT  
12/07/23

### 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:**

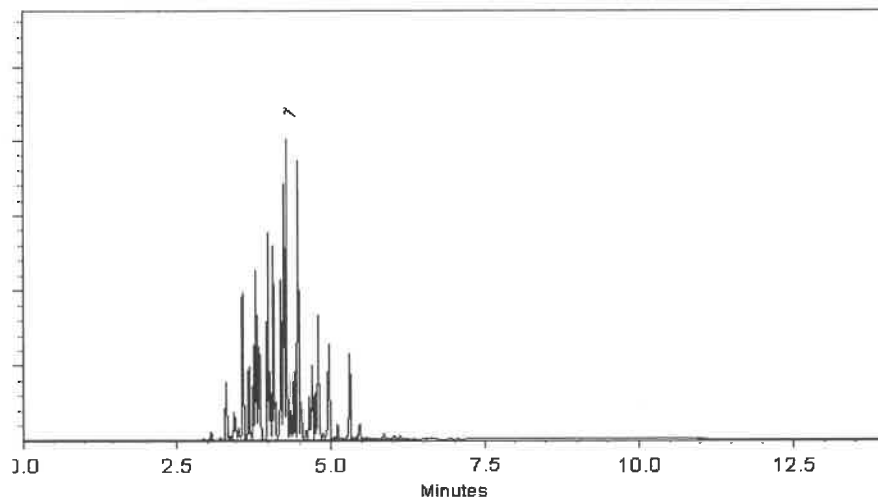
ECD

**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



**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

|                       |                 |             |
|-----------------------|-----------------|-------------|
|                       |                 | 022023      |
| <b>Formulated By:</b> | Benson Chan     | <b>DATE</b> |
|                       |                 | 022023      |
| <b>Reviewed By:</b>   | Pedro L. Rentas | <b>DATE</b> |

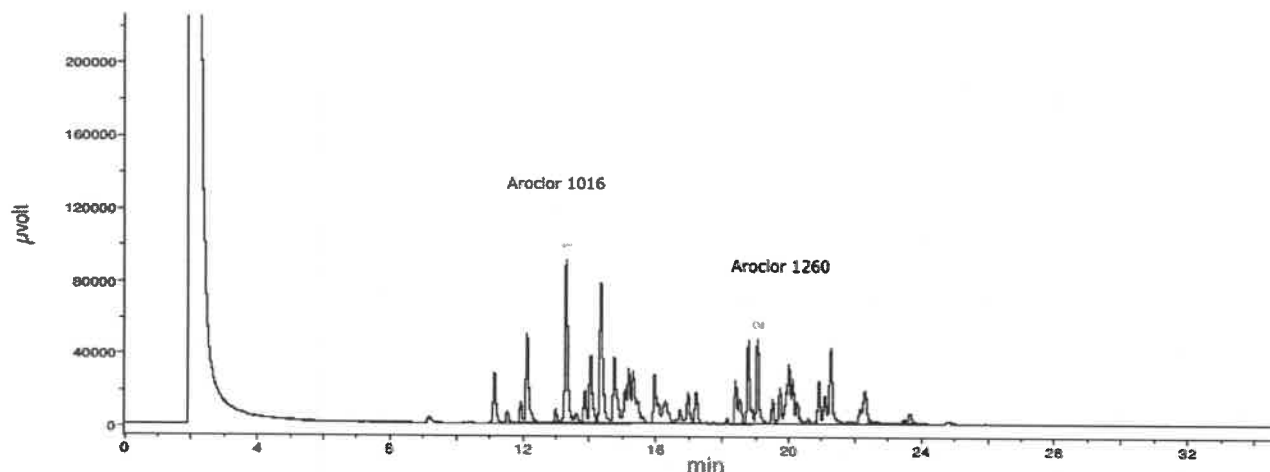
P12946  
↓  
P12955  
748  
12/20/23

Weight(s) shown below were combined and diluted to (mL): 200.0  
5E-05 Balance Uncertainty  
0.010 Flask Uncertainty

| 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<br>(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       | ori-rat 1315mg/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

**Comments**  
GC3-M1 Analysis by Melissa Stonier  
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness  
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min  
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min  
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)  
Rate = 8°C/min, Total run time = 35 min  
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1  
Standard injection = 1.5µL, Range=3





CERTIFIED WEIGHT REPORT

Part Number: **99139**  
Lot Number: **121823**  
Description: **Aroclor 1254**

Solvent(s):  
Iso-octane  
Lot#  
82227

|                        |                 |        |
|------------------------|-----------------|--------|
| <i>Anthony Mahoney</i> |                 | 121823 |
| Formulated By:         | Anthony Mahoney | DATE   |
| <i>Pedro L. Rentas</i> |                 | 121823 |
| Reviewed By:           | Pedro L. Rentas | DATE   |

P12956 } Y-P  
12/20/23

Expiration Date: 121833  
Recommended Storage: Ambient (20 °C)  
Nominal Concentration (µg/mL): 100  
NIST Test ID#: 6UTB  
Volume(s) shown below were combined and diluted to (mL): 20.0  
Note: Aroclor 1254 is a mix of isomers.

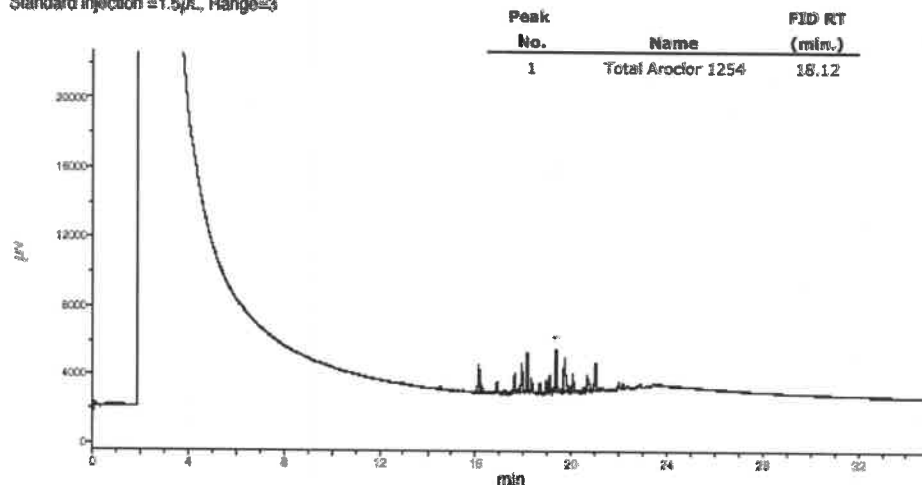
5E-05 Balance Uncertainty  
0.003 Flask Uncertainty

| 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<br>(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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC3-M1 Analysis by Melissa Stonier  
Column ID SPB-606 30 meter X 0.53mm X 5µm 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





## CERTIFIED WEIGHT REPORT

Part Number: **90165**  
 Lot Number: **112322**  
 Description: **Aroclor 1262**

Solvent(s):  
 Hexane

Lot#  
 273615

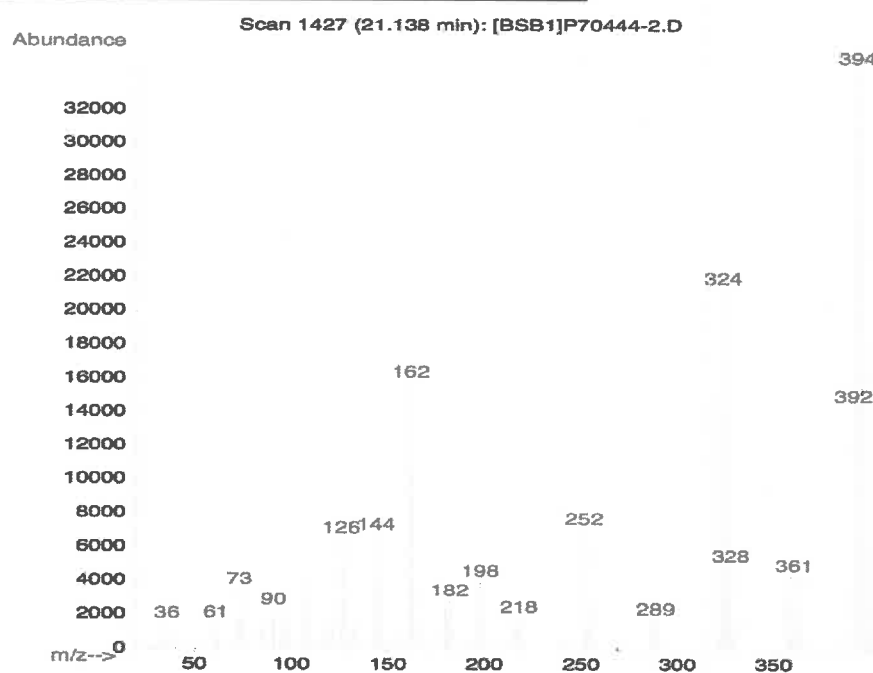
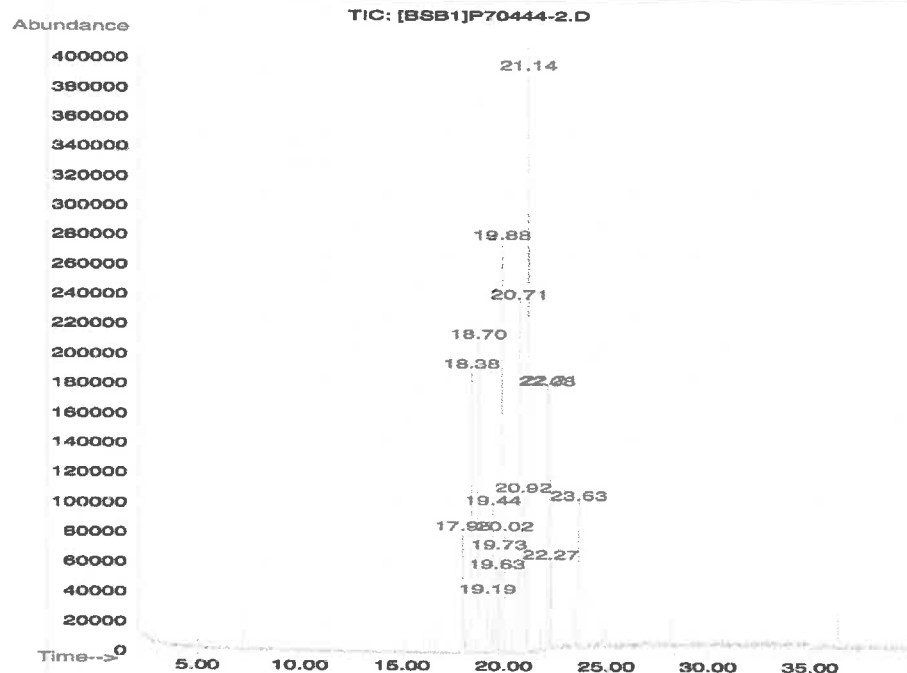
|                |                  |        |
|----------------|------------------|--------|
|                |                  | 112322 |
| Formulated By: | Prashant Chauhan | DATE   |
|                |                  | 112322 |
| Reviewed By:   | Pedro L. Rentas  | DATE   |

Expiration Date: 112332  
 Recommended Storage: Ambient (20 °C)  
 Nominal Concentration (µg/mL): 1000  
 NIST Test ID#: 6UTB  
 Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty  
 0.005 Flask Uncertainty

| 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<br>(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.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

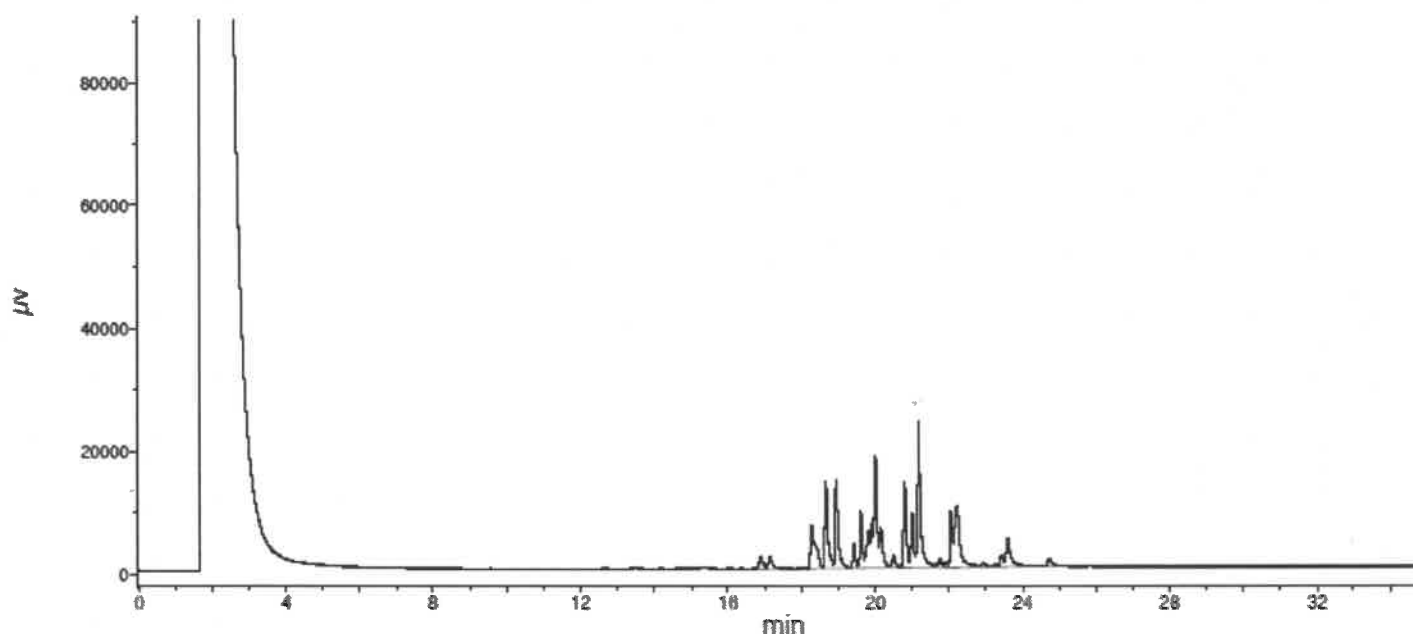


## Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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  
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







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



### 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. :** 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

P13348  
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P13357  
10  
DAUF  
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:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

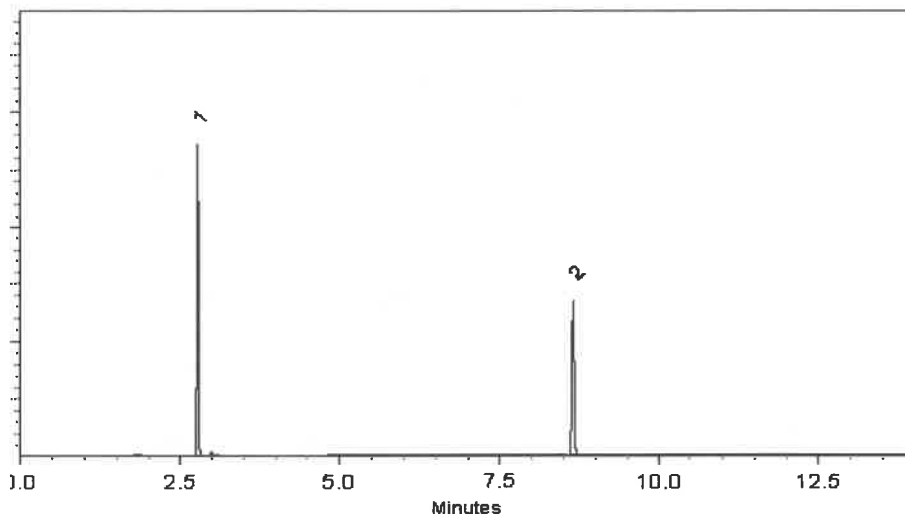
ECD

**Split Vent:**

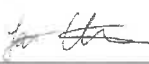
10 ml/min.

**Inj. Vol**

1µl

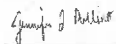


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

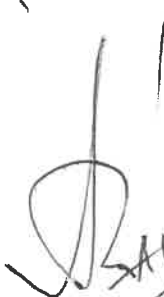
Balance Serial # 1128360905

  
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

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P 13357  
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SAUF  
04/25/2025



110 Benner Circle  
Bellefonte, PA 16823-8812  
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Fax: 1-814-353-1309

www.restek.com

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chromatographic plus



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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

P13348  
↓  
P13357  
10  
DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
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| 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%

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# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

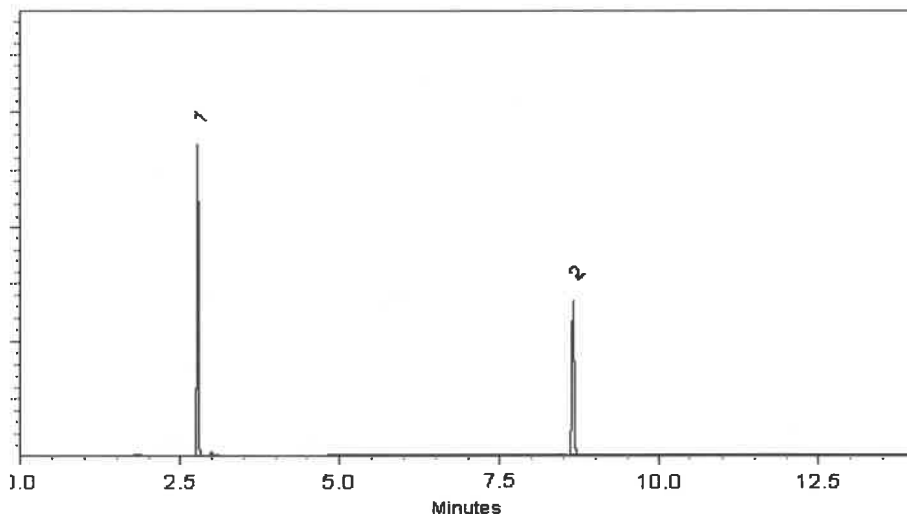
ECD

**Split Vent:**

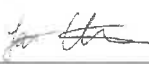
10 ml/min.

**Inj. Vol**

1µl

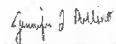


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

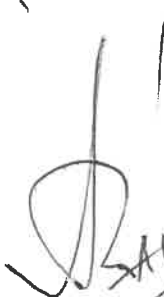
Balance Serial # 1128360905

  
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

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P 13357  
10

  
SAUF  
04/25/2025

**Reference Material Certificate**  
**Product Information Sheet**

**Product Name:** Aroclor 1221 Standard  
**Product Number:** PP-292-1  
**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Lot Number:** 0006783205  
**Lot Issue Date:** 20-Feb-2024  
**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](http://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  
05/06/24

Page: 1 of 2

CSD-QA-015.2

ISO 17025  
Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)

**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  
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO  
9001:2015 Quality Management System. Cert# 951215321

Page: 2 of 2

[www.agilent.com/quality/](http://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](http://www.agilent.com/quality)



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# CHEMTECH

## CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO. **Q1207**  
QUOTE NO.  
COC Number **2038583**

### CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: RU2 Engineering LLC  
ADDRESS: 2 Melinda Drive  
Monroe Twp, NJ 08831  
CITY: STATE: ZIP:  
ATTENTION: **Rutu Manani**  
PHONE: **609-409-4564** FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: **SANDTWOOR BMLR Project**  
PROJECT NO.: LOCATION: **Brooklyn, NY**  
PROJECT MANAGER: **Rutu Manani**  
e-mail: **Rmanani@RU2eng.com**  
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: **Same as company address** PO#:  
ADDRESS:  
CITY: STATE: ZIP:  
ATTENTION: PHONE:

### ANALYSIS

### DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard 10 days** DAYS\*  
HARDCOPY (DATA PACKAGE): **Standard 10 days** DAYS\*  
EDD: **Standard 10 days** DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B  
+ Raw Data ☐ Other  
☐ EDD FORMAT

1 TEL VOCs+TMS+TBA  
2 TEL VOCs  
3 TPH  
4 TEL GRO-DRO  
5 TAL SVOLs+TMS  
6 Pesticides, PCBs  
7 ELCA Characterization  
8 Paint Filter  
9 Full TELP

### PRESERVATIVES

### COMMENTS

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |       | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|-------|--------------|---------------|---|---|---|---|---|---|---|---|----------|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME  |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |  |
| 1.                       | JPP-2.1-012725                   | Soil             |                | G    | 1/27/25              | 9:05  | 3            | X             | X | X |   |   |   |   |   |   |          |  |
| 2.                       | JPP-2.1-012725                   | Soil             | C              |      | 1/27/25              | 9:08  | 7            |               |   | X | X | X | X | X | X | X |          |  |
| 3.                       | JPP-5.1-012725                   | Soil             |                | G    | 1/27/25              | 10:10 | 3            | X             | X | X |   |   |   |   |   |   |          |  |
| 4.                       | JPP-5.1-012725                   | Soil             | C              |      | 1/27/25              | 10:10 | 7            |               |   | X | X | X | X | X | X | X |          |  |
| 5.                       | JPP-4.5-012725                   | Soil             |                | G    | 1/27/25              | 10:50 | 3            | X             | X | X |   |   |   |   |   |   |          |  |
| 6.                       | JPP-4.5-012725                   | Soil             | C              |      | 1/27/25              | 10:50 | 7            |               |   | X | X | X | X | X | X | X |          |  |
| 7.                       | JPP-16.2-012725                  | Soil             |                | G    | 1/27/25              | 12:07 | 3            | X             | X | X |   |   |   |   |   |   |          |  |
| 8.                       | JPP-16.2-012725                  | Soil             | C              |      | 1/27/25              | 12:09 | 7            |               |   | X | X | X | X | X | X | X |          |  |
| 9.                       | JPP-20.2-012725                  | Soil             |                | G    | 1/27/25              | 13:40 | 3            | X             | X | X |   |   |   |   |   |   |          |  |
| 10.                      | JPP-20.2-012725                  | Soil             | C              |      | 1/27/25              | 13:40 | 7            |               |   | X | X | X | X | X | X | X |          |  |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                          |                                                   |                                                                                                                                                                           |
|---------------------------------------------------|------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <b>RVM</b>         | DATE/TIME:<br><b>1/28/2025</b>           | RECEIVED BY:<br><b>[Signature]</b> <b>1-28-25</b> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <b>3-7</b> °C |
| RELINQUISHED BY SAMPLER:<br>2. <b>[Signature]</b> | DATE/TIME:                               | RECEIVED BY:                                      | Comments:<br><b>Preserve extra sample jar if additional analysis is required.</b>                                                                                         |
| RELINQUISHED BY SAMPLER:<br>3. <b>[Signature]</b> | DATE/TIME: <b>1259</b><br><b>1-28-25</b> | RECEIVED BY:                                      |                                                                                                                                                                           |

Page \_\_\_\_ of \_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other  
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete  
☐ YES ☐ NO

**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       |



## LOGIN REPORT/SAMPLE TRANSFER

|                                            |               |                                                              |           |                                |
|--------------------------------------------|---------------|--------------------------------------------------------------|-----------|--------------------------------|
| <b>Order ID :</b> Q1207                    | <b>RUTW01</b> | <b>Order Date :</b> 1/28/2025 11:40:00 AM                    | <b>YG</b> | <b>Project Mgr :</b>           |
| <b>Client Name :</b> RU2 Engineering, LLC  |               | <b>Project Name :</b> <del>SANDTWOBR-BMCR Bro</del> 02/03/25 |           | <b>Report Type :</b> NYS ASP B |
| <b>Client Contact :</b> Rutu Manani        |               | <b>Receive DateTime :</b> 1/28/2025 12:59:00 PM              |           | <b>EDD Type :</b> Excel NY     |
| <b>Invoice Name :</b> RU2 Engineering, LLC |               | <b>Purchase Order :</b>                                      |           | <b>Hard Copy Date :</b>        |
| <b>Invoice Contact :</b> Rutu Manani       |               |                                                              |           | <b>Date Signoff :</b>          |

| LAB ID   | CLIENT ID       | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|-----------------|--------|-------------|-------------|--------------|------------|--------|--------------|-----------|
| Q1207-01 | JPP-2.1-012725  | Solid  | 01/27/2025  | 09:05       |              |            |        |              |           |
|          |                 |        |             |             | VOCMS Group1 |            | 8260D  | 10 Bus. Days |           |
| Q1207-05 | JPP-5.1-012725  | Solid  | 01/27/2025  | 10:10       |              |            |        |              |           |
|          |                 |        |             |             | VOCMS Group1 |            | 8260D  | 10 Bus. Days |           |
| Q1207-09 | JPP-4.5-012725  | Solid  | 01/27/2025  | 10:50       |              |            |        |              |           |
|          |                 |        |             |             | VOCMS Group1 |            | 8260D  | 10 Bus. Days |           |
| Q1207-13 | JPP-16.2-012725 | Solid  | 01/27/2025  | 12:07       |              |            |        |              |           |
|          |                 |        |             |             | VOCMS Group1 |            | 8260D  | 10 Bus. Days |           |
| Q1207-17 | JPP-20.2-012725 | Solid  | 01/27/2025  | 13:40       |              |            |        |              |           |
|          |                 |        |             |             | VOCMS Group1 |            | 8260D  | 10 Bus. Days |           |

Relinquished By:

Date / Time :

*[Signature]*  
1-28-25 1447

Received By:

Date / Time :

*[Signature]*  
1/28/25 1447

Storage Area : VOA Refridgerator Room

*[Signature]*  
1-28-25

## LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1207 RUTW01

Order Date : 1/28/2025 11:40:00 AM

Project Mgr :

Client Name : RU2 Engineering, LLC

Project Name : ~~SANTWOBR-BMCR-Bro~~  
NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Report Type : NYS ASP B

Client Contact : Rutu Manani

Receive DateTime : 1/28/2025 12:59:00 PM

EDD Type : Excel NY

Invoice Name : RU2 Engineering, LLC

Purchase Order :

Hard Copy Date :

Invoice Contact : Rutu Manani

Date Signoff :

| LAB ID      | CLIENT ID       | MATRIX | SAMPLE DATE | SAMPLE TIME               | TEST                    | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|-------------|-----------------|--------|-------------|---------------------------|-------------------------|------------|--------|--------------|-----------|
| Q1207-03 01 | JPP-2.1-012725  | Solid  | 01/27/2025  | <del>09:08</del><br>09:05 | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |
| Q1207-07 05 | JPP-5.1-012725  | Solid  | 01/27/2025  | 10:10                     | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |
| Q1207-11 09 | JPP-4.5-012725  | Solid  | 01/27/2025  | 10:50                     | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |
| Q1207-15 13 | JPP-16.2-012725 | Solid  | 01/27/2025  | <del>12:09</del><br>12:07 | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |
| Q1207-19 17 | JPP-20.2-012725 | Solid  | 01/27/2025  | 13:40                     | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |
|             |                 | YG     | 02/03/25    |                           | Gasoline Range Organics |            | 8015D  | 10 Bus. Days |           |

Relinquished By :

Date / Time :

  
1-28-25 1447

Received By :

Date / Time :

  
1/28/25 14.47

Storage Area : VOA Refridgerator Room