

## **DATA PACKAGE**

### **GC SEMI-VOLATILES**

**PROJECT NAME : CTO WE13**

**TETRA TECH NUS, INC.**  
**661 Andersen Drive**  
**Suite 200**  
**Pittsburgh, PA - 15220-2745**  
**Phone No: 412-921-7090**

**ORDER ID : P5283**  
**ATTENTION : Ernie Wu**



**Laboratory Certification ID # 20012**



|                                             |     |
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## Cover Page

**Order ID :** P5283

**Project ID :** CTO WE13

**Client :** Tetra Tech NUS, Inc.

**Lab Sample Number**

P5283-01  
P5283-02

**Client Sample Number**

TT-TB-20241213  
TT-RW10A-IDWGW-20241213

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 :



NYDOH CERTIFICATION NO - 11376

**APPROVED**

Date: 12/20/2024  
By Mohammad Ahmed (Laboratory Manager) at 10:53 am, Jan 03, 2025

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tetra Tech NUS, Inc.**

**Project Name: CTO WE13**

**Project Manager: Ernie Wu**

**Chemtech Project # P5283**

**Test Name: PCB**

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

2 Water samples were received on 12/13/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. 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 3510.

### **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 RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

### **E. Additional Comments:**

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

The not QT review data is reported in the Miscellaneous.

**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 Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| J     | Indicates an estimated value. This flag is used: <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     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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

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

CHEMTECH PROJECT NUMBER: P5283

MATRIX: Water

METHOD: 8082A/3510

|                                                                                                                                                                                                                                                                                                                           | NA | NO | YES |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 1. Chromatograms Labeled/Compounds Identified.                                                                                                                                                                                                                                                                            |    |    | ✓   |
| 2. Standard Summary Submitted.                                                                                                                                                                                                                                                                                            |    |    | ✓   |
| 3. Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.<br><br>The Initial Calibration met the requirements .<br>The Continuous Calibration met the requirements .                  |    |    | ✓   |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                         |    | ✓  |     |
| 5. Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.                                                                                                                                                                              |    |    | ✓   |
| 6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The Blank Spike met requirements for all samples .<br>The Blank Spike Duplicate met requirements for all samples .<br>The RPD met criteria . |    |    | ✓   |
| 7. Retention Time Shift Meet Criteria (if applicable)<br><br>Comments:                                                                                                                                                                                                                                                    |    |    | ✓   |
| 8. Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                           |    |    | ✓   |
| 9. Analysis Holding Time Met<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                                                                                                                                        |    |    | ✓   |



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

NA NO YES

ADDITIONAL COMMENTS:

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

The not QT review data is reported in the Miscellaneous.

**APPROVED**

By Mohammad Ahmed(Laboratory Manager) at 10:53 am, Jan 03, 2025

Date

QA REVIEW

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P5283

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 Custody

✓

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: Mohammad Ahmed

Date: 01/03/2025

### LAB CHRONICLE

|                 |                      |                   |                       |
|-----------------|----------------------|-------------------|-----------------------|
| <b>OrderID:</b> | P5283                | <b>OrderDate:</b> | 12/13/2024 1:07:00 PM |
| <b>Client:</b>  | Tetra Tech NUS, Inc. | <b>Project:</b>   | CTO WE13              |
| <b>Contact:</b> | Ernie Wu             | <b>Location:</b>  | L61,VOA Ref. #3 Water |

| LabID    | ClientID                    | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------------------|--------|------|--------|-------------|-----------|-----------|----------|
| P5283-02 | TT-RW10A-IDWGW-2<br>0241213 | WATER  | PCB  | 8082A  | 12/13/24    | 12/16/24  | 12/16/24  | 12/13/24 |

**Hit Summary Sheet**  
SW-846

**SDG No.:** P5283

**Order ID:** P5283

**Client:** Tetra Tech NUS, Inc.

**Project ID:** CTO WE13

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

Client ID :

**Total Concentration: 0.000**



# QC SUMMARY

- 1
- 2
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- 16
- 17
- 18
- 19

### Surrogate Summary

SDG No.: **P5283**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8082A**

| Lab Sample ID    | Client ID               | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|-------------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                         |                      |        |       |        |     |      | Low    | High |
| I.BLK-PO108361.D | PIBLK-PO108361.D        | Tetrachloro-m-xylene | 1      | 20    | 23.0   | 115 |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 23.6   | 118 |      | 60     | 140  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 21.6   | 108 |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 23.6   | 118 |      | 60     | 140  |
| I.BLK-PO108559.D | PIBLK-PO108559.D        | Tetrachloro-m-xylene | 1      | 20    | 17.6   | 88  |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 17.3   | 86  |      | 60     | 140  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 18.9   | 94  |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 21.0   | 105 |      | 60     | 140  |
| PB165649BL       | PB165649BL              | Tetrachloro-m-xylene | 1      | 20    | 17.8   | 89  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 18.0   | 90  |      | 40     | 135  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 18.8   | 94  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 21.3   | 106 |      | 40     | 135  |
| PB165649BS       | PB165649BS              | Tetrachloro-m-xylene | 1      | 20    | 17.4   | 87  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 18.6   | 93  |      | 40     | 135  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 18.2   | 91  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 22.2   | 111 |      | 40     | 135  |
| PB165649BSD      | PB165649BSD             | Tetrachloro-m-xylene | 1      | 20    | 17.4   | 87  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 18.7   | 94  |      | 40     | 135  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 18.3   | 92  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 22.2   | 111 |      | 40     | 135  |
| P5283-02         | TT-RW10A-IDWGW-20241213 | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 10.7   | 53  |      | 40     | 135  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 20.1   | 101 |      | 35     | 137  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 12.7   | 64  |      | 40     | 135  |
| I.BLK-PO108572.D | PIBLK-PO108572.D        | Tetrachloro-m-xylene | 1      | 20    | 18.9   | 94  |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 1      | 20    | 18.9   | 95  |      | 60     | 140  |
|                  |                         | Tetrachloro-m-xylene | 2      | 20    | 19.9   | 99  |      | 60     | 140  |
|                  |                         | Decachlorobiphenyl   | 2      | 20    | 22.2   | 111 |      | 60     | 140  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Datafile : PO108562.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB165649BS    | AR1016    | 5     | 4.60   | ug/L  | 92  |     |      |      | 46  | 129    |  |     |
|               | AR1260    | 5     | 4.70   | ug/L  | 94  |     |      |      | 45  | 134    |  |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: P5283

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Datafile : PO108563.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB165649BSD   | AR1016    | 5     | 4.60   | ug/L  | 92  | 0   |      |      | 46  | 129    | 20  |
|               | AR1260    | 5     | 4.80   | ug/L  | 96  | 2   |      |      | 45  | 134    | 20  |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165649BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P5283

SAS No.: P5283 SDG NO.: P5283

Lab Sample ID: PB165649BL

Lab File ID: PO108561.D

Matrix: (soil/water) WATER

Extraction: (Type) \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/16/2024

Date Analyzed (1): 12/16/2024

Date Analyzed (2): 12/16/2024

Time Analyzed (1): 18:17

Time Analyzed (2): 18:17

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 |
|-------------------------|------------------|----------------|--------------------|--------------------|
| PB165649BS              | PB165649BS       | PO108562.D     | 12/16/2024         | 12/16/2024         |
| PB165649BSD             | PB165649BSD      | PO108563.D     | 12/16/2024         | 12/16/2024         |
| TT-RW10A-IDWGW-20241213 | P5283-02         | PO108564.D     | 12/16/2024         | 12/16/2024         |

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



# SAMPLE DATA

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## Report of Analysis

|                    |                         |                    |          |
|--------------------|-------------------------|--------------------|----------|
| Client:            | Tetra Tech NUS, Inc.    | Date Collected:    | 12/13/24 |
| Project:           | CTO WE13                | Date Received:     | 12/13/24 |
| Client Sample ID:  | TT-RW10A-IDWGW-20241213 | SDG No.:           | P5283    |
| Lab Sample ID:     | P5283-02                | Matrix:            | WATER    |
| Analytical Method: | SW8082A                 | % Solid:           | 0        |
| Sample Wt/Vol:     | 970                     | Units:             | mL       |
| Soil Aliquot Vol:  |                         |                    | uL       |
| Extraction Type:   |                         | Test:              | PCB      |
| GPC Factor :       | 1.0                     | PH :               |          |
| Prep Method :      | 3510C                   | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO108564.D        | 1         | 12/16/24 08:50 | 12/16/24 19:12 | PB165649      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.41  | U         | 0.15     | 0.41 | 0.52       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.41  | U         | 0.24     | 0.41 | 0.52       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.41  | U         | 0.38     | 0.41 | 0.52       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.41  | U         | 0.16     | 0.41 | 0.52       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.41  | U         | 0.12     | 0.41 | 0.52       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.41  | U         | 0.11     | 0.41 | 0.52       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.41  | U         | 0.14     | 0.41 | 0.52       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.41  | U         | 0.12     | 0.41 | 0.52       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.41  | U         | 0.15     | 0.41 | 0.52       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |           | 35 - 137 |      | 101%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 12.7  |           | 40 - 135 |      | 64%        | 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\PO121624\  
 Data File : PO108564.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Dec 2024 19:12  
 Operator : YP/AJ  
 Sample : P5283-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 TT-RW10A-IDWGW-20241213

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 17 00:30:23 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 05:58:15 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.707 | 3.705 | 165.1E6  | 102.2E6  | 18.979 | 20.154 |
| 2) SA Decachlor...          | 8.775 | 8.724 | 78095408 | 49302576 | 10.692 | 12.724 |

Target Compounds

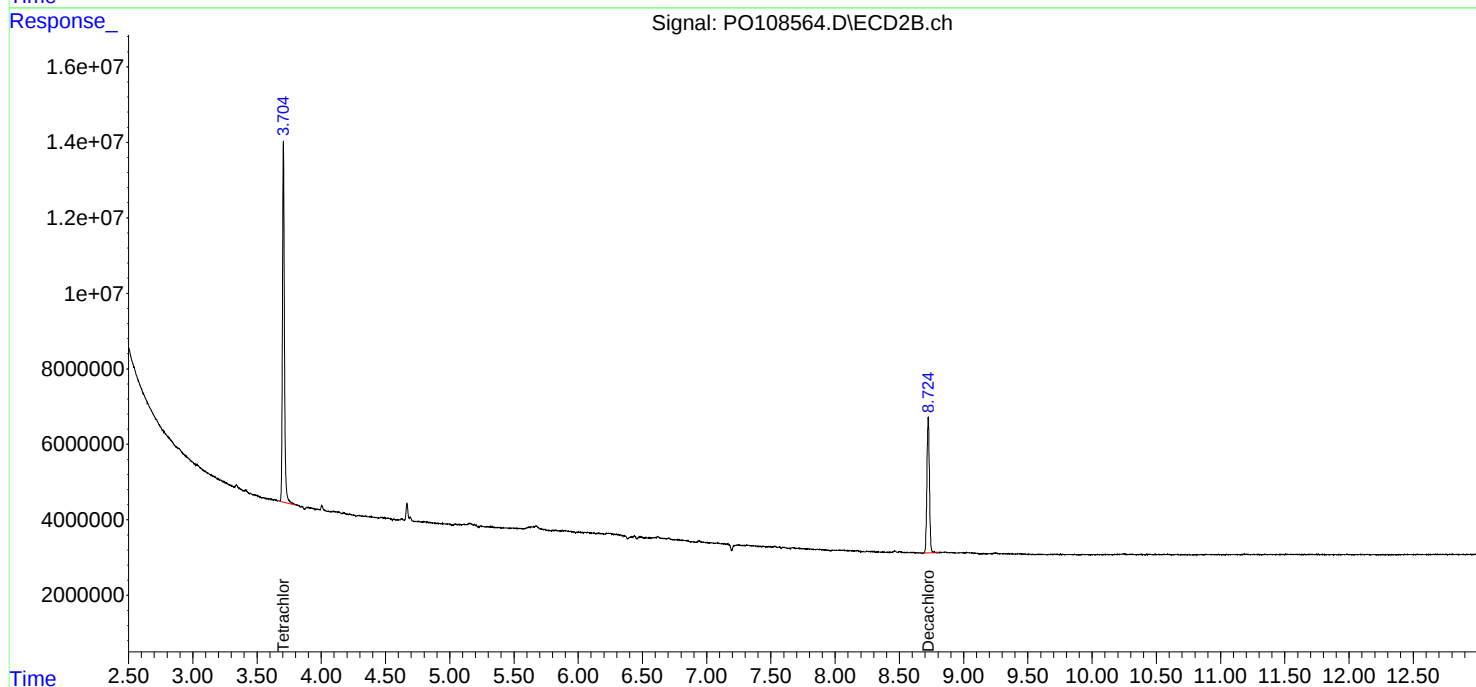
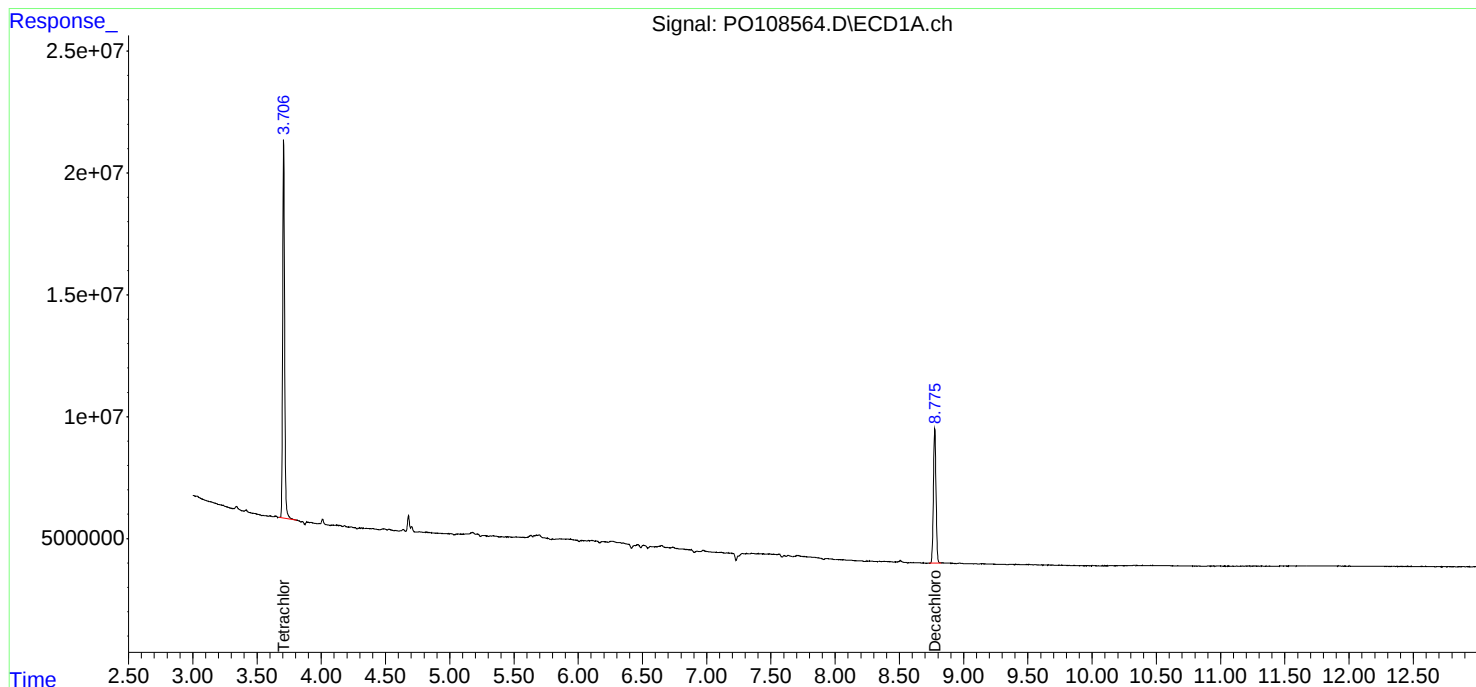
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

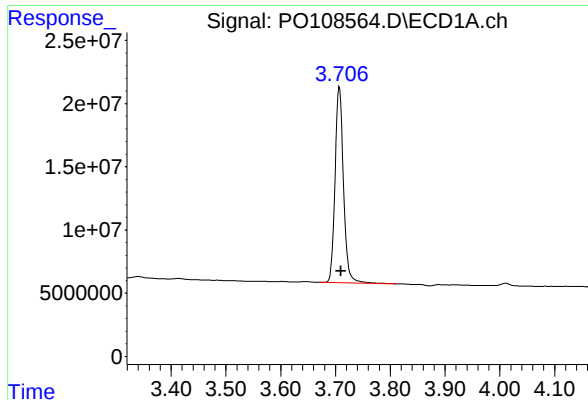
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108564.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 19:12  
Operator : YP/AJ  
Sample : P5283-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
TT-RW10A-IDWGW-20241213

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:30:23 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

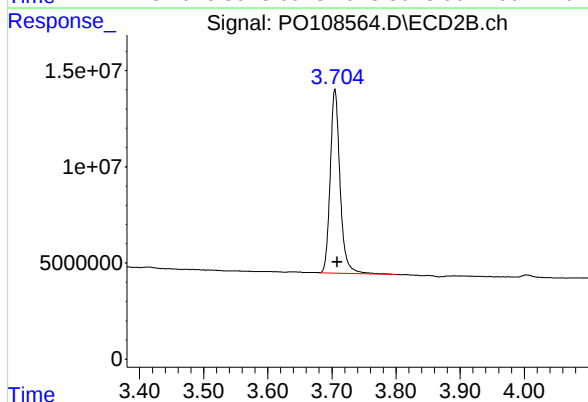




## #1 Tetrachloro-m-xylene

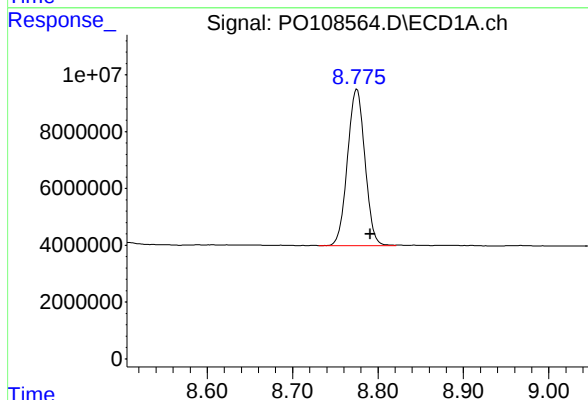
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 165119316  
Conc: 18.98 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
TT-RW10A-IDWGW-20241213



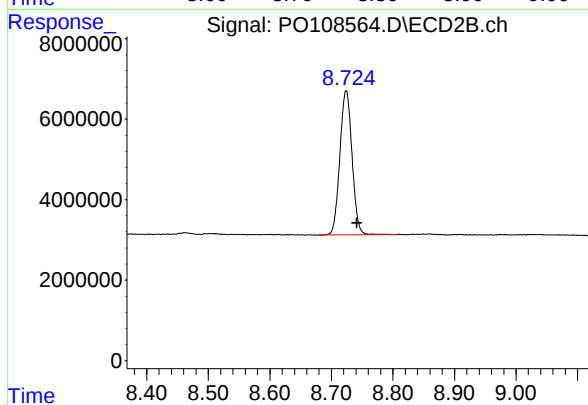
## #1 Tetrachloro-m-xylene

R.T.: 3.705 min  
Delta R.T.: -0.004 min  
Response: 102166010  
Conc: 20.15 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.775 min  
Delta R.T.: -0.016 min  
Response: 78095408  
Conc: 10.69 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.724 min  
Delta R.T.: -0.017 min  
Response: 49302576  
Conc: 12.72 ng/ml



# CALIBRATION SUMMARY

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## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283 **SDG NO.:** P5283  
**Instrument ID:** ECD\_O **Calibration Date(s):** 12/06/2024 12/06/2024  
**Calibration Times:** 14:19 22:34

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

|                                   |                                    |                                   |
|-----------------------------------|------------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 1000 =</b> <u>PO108362.D</u> | <b>RT 750 =</b> <u>PO108363.D</u> |
| <b>RT 500 =</b> <u>PO108364.D</u> | <b>RT 250 =</b> <u>PO108365.D</u>  | <b>RT 050 =</b> <u>PO108366.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|------|
|                      |     |         |        |        |        |        |            | FROM      | TO   |
| Aroclor-1016-1       | (1) | 4.81    | 4.81   | 4.81   | 4.81   | 4.81   | 4.81       | 4.71      | 4.91 |
| Aroclor-1016-2       | (2) | 4.83    | 4.83   | 4.83   | 4.83   | 4.83   | 4.83       | 4.73      | 4.93 |
| Aroclor-1016-3       | (3) | 4.89    | 4.89   | 4.89   | 4.89   | 4.89   | 4.89       | 4.79      | 4.99 |
| Aroclor-1016-4       | (4) | 5.01    | 5.01   | 5.01   | 5.01   | 5.01   | 5.01       | 4.91      | 5.11 |
| Aroclor-1016-5       | (5) | 5.27    | 5.27   | 5.27   | 5.27   | 5.27   | 5.27       | 5.17      | 5.37 |
| Aroclor-1260-1       | (1) | 6.31    | 6.31   | 6.31   | 6.31   | 6.31   | 6.31       | 6.21      | 6.41 |
| Aroclor-1260-2       | (2) | 6.50    | 6.50   | 6.50   | 6.50   | 6.50   | 6.50       | 6.40      | 6.60 |
| Aroclor-1260-3       | (3) | 6.87    | 6.87   | 6.87   | 6.87   | 6.87   | 6.87       | 6.77      | 6.97 |
| Aroclor-1260-4       | (4) | 7.13    | 7.13   | 7.13   | 7.13   | 7.13   | 7.13       | 7.03      | 7.23 |
| Aroclor-1260-5       | (5) | 7.37    | 7.37   | 7.37   | 7.37   | 7.37   | 7.37       | 7.27      | 7.47 |
| Decachlorobiphenyl   |     | 8.79    | 8.79   | 8.79   | 8.79   | 8.79   | 8.79       | 8.69      | 8.89 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1242-1       | (1) | 4.81    | 4.81   | 4.81   | 4.81   | 4.81   | 4.81       | 4.71      | 4.91 |
| Aroclor-1242-2       | (2) | 4.83    | 4.83   | 4.83   | 4.83   | 4.83   | 4.83       | 4.73      | 4.93 |
| Aroclor-1242-3       | (3) | 4.88    | 4.88   | 4.88   | 4.88   | 4.88   | 4.88       | 4.78      | 4.98 |
| Aroclor-1242-4       | (4) | 5.01    | 5.01   | 5.01   | 5.00   | 5.00   | 5.01       | 4.91      | 5.11 |
| Aroclor-1242-5       | (5) | 5.66    | 5.66   | 5.66   | 5.66   | 5.66   | 5.66       | 5.56      | 5.76 |
| Decachlorobiphenyl   |     | 8.79    | 8.79   | 8.79   | 8.79   | 8.79   | 8.79       | 8.69      | 8.89 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1248-1       | (1) | 4.81    | 4.81   | 4.81   | 4.81   | 4.81   | 4.81       | 4.71      | 4.91 |
| Aroclor-1248-2       | (2) | 5.05    | 5.05   | 5.05   | 5.05   | 5.05   | 5.05       | 4.95      | 5.15 |
| Aroclor-1248-3       | (3) | 5.26    | 5.26   | 5.26   | 5.26   | 5.26   | 5.26       | 5.16      | 5.36 |
| Aroclor-1248-4       | (4) | 5.62    | 5.62   | 5.62   | 5.62   | 5.62   | 5.62       | 5.52      | 5.72 |
| Aroclor-1248-5       | (5) | 5.66    | 5.66   | 5.66   | 5.66   | 5.66   | 5.66       | 5.56      | 5.76 |
| Decachlorobiphenyl   |     | 8.79    | 8.79   | 8.79   | 8.79   | 8.79   | 8.79       | 8.69      | 8.89 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1254-1       | (1) | 5.62    | 5.62   | 5.62   | 5.62   | 5.62   | 5.62       | 5.52      | 5.72 |
| Aroclor-1254-2       | (2) | 5.77    | 5.77   | 5.77   | 5.77   | 5.77   | 5.77       | 5.67      | 5.87 |
| Aroclor-1254-3       | (3) | 6.18    | 6.17   | 6.17   | 6.17   | 6.17   | 6.17       | 6.07      | 6.27 |
| Aroclor-1254-4       | (4) | 6.40    | 6.40   | 6.40   | 6.40   | 6.40   | 6.40       | 6.30      | 6.50 |
| Aroclor-1254-5       | (5) | 6.83    | 6.83   | 6.83   | 6.83   | 6.83   | 6.83       | 6.73      | 6.93 |
| Decachlorobiphenyl   |     | 8.79    | 8.79   | 8.79   | 8.79   | 8.79   | 8.79       | 8.69      | 8.89 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1268-1       | (1) | 7.65    | 7.65   | 7.65   | 7.66   | 7.66   | 7.65       | 7.55      | 7.75 |
| Aroclor-1268-2       | (2) | 7.72    | 7.72   | 7.72   | 7.72   | 7.72   | 7.72       | 7.62      | 7.82 |
| Aroclor-1268-3       | (3) | 7.93    | 7.93   | 7.93   | 7.93   | 7.93   | 7.93       | 7.83      | 8.03 |
| Aroclor-1268-4       | (4) | 8.22    | 8.22   | 8.22   | 8.22   | 8.22   | 8.22       | 8.12      | 8.32 |
| Aroclor-1268-5       | (5) | 8.52    | 8.52   | 8.52   | 8.52   | 8.52   | 8.52       | 8.42      | 8.62 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.79 | 8.69 | 8.89 |
| Tetrachloro-m-xylene | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283 **SDG NO.:** P5283  
**Instrument ID:** ECD\_O **Calibration Date(s):** 12/06/2024 12/06/2024  
**Calibration Times:** 14:19 22:34

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

|                                   |                                    |                                   |
|-----------------------------------|------------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 1000 =</b> <u>PO108362.D</u> | <b>RT 750 =</b> <u>PO108363.D</u> |
| <b>RT 500 =</b> <u>PO108364.D</u> | <b>RT 250 =</b> <u>PO108365.D</u>  | <b>RT 050 =</b> <u>PO108366.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |      |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|------|
|                      |     |         |        |        |        |        |            | FROM      | TO   |
| Aroclor-1016-1       | (1) | 4.80    | 4.80   | 4.80   | 4.80   | 4.80   | 4.80       | 4.70      | 4.90 |
| Aroclor-1016-2       | (2) | 4.82    | 4.82   | 4.82   | 4.82   | 4.82   | 4.82       | 4.72      | 4.92 |
| Aroclor-1016-3       | (3) | 4.99    | 4.99   | 4.99   | 4.99   | 4.99   | 4.99       | 4.89      | 5.09 |
| Aroclor-1016-4       | (4) | 5.04    | 5.04   | 5.04   | 5.04   | 5.04   | 5.04       | 4.94      | 5.14 |
| 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) | 6.47    | 6.47   | 6.47   | 6.47   | 6.47   | 6.47       | 6.37      | 6.57 |
| Aroclor-1260-3       | (3) | 6.63    | 6.63   | 6.63   | 6.63   | 6.63   | 6.63       | 6.53      | 6.73 |
| Aroclor-1260-4       | (4) | 7.10    | 7.10   | 7.10   | 7.10   | 7.10   | 7.10       | 7.00      | 7.20 |
| Aroclor-1260-5       | (5) | 7.34    | 7.34   | 7.34   | 7.34   | 7.34   | 7.34       | 7.24      | 7.44 |
| Decachlorobiphenyl   |     | 8.74    | 8.74   | 8.74   | 8.74   | 8.74   | 8.74       | 8.64      | 8.84 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1242-1       | (1) | 4.80    | 4.80   | 4.80   | 4.80   | 4.80   | 4.80       | 4.70      | 4.90 |
| Aroclor-1242-2       | (2) | 4.82    | 4.82   | 4.82   | 4.82   | 4.82   | 4.82       | 4.72      | 4.92 |
| Aroclor-1242-3       | (3) | 4.99    | 4.99   | 4.99   | 4.99   | 4.99   | 4.99       | 4.89      | 5.09 |
| Aroclor-1242-4       | (4) | 5.08    | 5.08   | 5.08   | 5.08   | 5.08   | 5.08       | 4.98      | 5.18 |
| Aroclor-1242-5       | (5) | 5.60    | 5.60   | 5.60   | 5.60   | 5.60   | 5.60       | 5.50      | 5.70 |
| Decachlorobiphenyl   |     | 8.74    | 8.74   | 8.74   | 8.74   | 8.74   | 8.74       | 8.64      | 8.84 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1248-1       | (1) | 4.80    | 4.80   | 4.80   | 4.80   | 4.80   | 4.80       | 4.70      | 4.90 |
| Aroclor-1248-2       | (2) | 5.04    | 5.04   | 5.03   | 5.03   | 5.04   | 5.04       | 4.94      | 5.14 |
| Aroclor-1248-3       | (3) | 5.08    | 5.08   | 5.08   | 5.08   | 5.08   | 5.08       | 4.98      | 5.18 |
| Aroclor-1248-4       | (4) | 5.25    | 5.25   | 5.25   | 5.25   | 5.25   | 5.25       | 5.15      | 5.35 |
| Aroclor-1248-5       | (5) | 5.64    | 5.64   | 5.64   | 5.64   | 5.64   | 5.64       | 5.54      | 5.74 |
| Decachlorobiphenyl   |     | 8.74    | 8.74   | 8.74   | 8.74   | 8.74   | 8.74       | 8.64      | 8.84 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1254-1       | (1) | 5.60    | 5.60   | 5.60   | 5.60   | 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) | 6.15    | 6.15   | 6.15   | 6.15   | 6.15   | 6.15       | 6.05      | 6.25 |
| Aroclor-1254-4       | (4) | 6.38    | 6.38   | 6.38   | 6.38   | 6.38   | 6.38       | 6.28      | 6.48 |
| Aroclor-1254-5       | (5) | 6.80    | 6.80   | 6.80   | 6.80   | 6.80   | 6.80       | 6.70      | 6.90 |
| Decachlorobiphenyl   |     | 8.74    | 8.74   | 8.74   | 8.74   | 8.74   | 8.74       | 8.64      | 8.84 |
| Tetrachloro-m-xylene |     | 3.71    | 3.71   | 3.71   | 3.71   | 3.71   | 3.71       | 3.61      | 3.81 |
| Aroclor-1268-1       | (1) | 7.62    | 7.62   | 7.62   | 7.62   | 7.62   | 7.62       | 7.52      | 7.72 |
| Aroclor-1268-2       | (2) | 7.69    | 7.69   | 7.69   | 7.69   | 7.69   | 7.69       | 7.59      | 7.79 |
| Aroclor-1268-3       | (3) | 7.90    | 7.90   | 7.90   | 7.90   | 7.90   | 7.90       | 7.80      | 8.00 |
| Aroclor-1268-4       | (4) | 8.18    | 8.18   | 8.18   | 8.18   | 8.18   | 8.18       | 8.08      | 8.28 |
| Aroclor-1268-5       | (5) | 8.48    | 8.48   | 8.48   | 8.48   | 8.48   | 8.48       | 8.38      | 8.58 |

## RETENTION TIMES OF INITIAL CALIBRATION

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.74 | 8.64 | 8.84 |
| Tetrachloro-m-xylene | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.71 | 3.61 | 3.81 |

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**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283 **SDG NO.:** P5283  
**Instrument ID:** ECD\_O  
**Calibration Date(s):** 12/06/2024 12/06/2024  
**Calibration Times:** 14:19 22:34

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

| LAB FILE ID:               |     | CF 1000 = <u>PO108362.D</u> |            | CF 750 = <u>PO108363.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO108364.D</u> |     | CF 250 = <u>PO108365.D</u>  |            | CF 050 = <u>PO108366.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 291946997                   | 297743768  | 310620664                  | 319628964  | 322276700  | 4     |
| Aroclor-1016-2             | (2) | 404548343                   | 410201719  | 419086158                  | 434302728  | 418957120  | 3     |
| Aroclor-1016-3             | (3) | 276313882                   | 283350735  | 295214768                  | 305005424  | 303271420  | 4     |
| Aroclor-1016-4             | (4) | 219460370                   | 224028880  | 231955104                  | 239248200  | 241192240  | 4     |
| Aroclor-1016-5             | (5) | 230837381                   | 238568924  | 249276722                  | 260302648  | 279364560  | 8     |
| Aroclor-1260-1             | (1) | 430087746                   | 435401064  | 458150304                  | 486996644  | 475087940  | 5     |
| Aroclor-1260-2             | (2) | 526959551                   | 526383048  | 555764632                  | 590931960  | 578558580  | 5     |
| Aroclor-1260-3             | (3) | 436965341                   | 443883275  | 464184392                  | 487588856  | 485769460  | 5     |
| Aroclor-1260-4             | (4) | 403312630                   | 406530869  | 426472890                  | 444299896  | 446086500  | 5     |
| Aroclor-1260-5             | (5) | 957132439                   | 955503789  | 984649950                  | 1000570432 | 961557080  | 2     |
| Decachlorobiphenyl         |     | 7019975940                  | 7102279760 | 7343195240                 | 7645101200 | 7409935200 | 3     |
| Tetrachloro-m-xylene       |     | 8754554380                  | 8783699800 | 8926447760                 | 8858353120 | 8177601800 | 3     |
| Aroclor-1242-1             | (1) | 247125512                   | 244458381  | 250566506                  | 269052152  | 275422740  | 5     |
| Aroclor-1242-2             | (2) | 337820704                   | 332549081  | 339649972                  | 356992284  | 358797680  | 3     |
| Aroclor-1242-3             | (3) | 232389462                   | 228960781  | 237971694                  | 251417972  | 255318460  | 5     |
| Aroclor-1242-4             | (4) | 184244210                   | 179103536  | 186955244                  | 196540012  | 206728220  | 6     |
| Aroclor-1242-5             | (5) | 194011522                   | 194743607  | 197474576                  | 218140108  | 233983940  | 9     |
| Decachlorobiphenyl         |     | 7151632520                  | 7167100640 | 7259242160                 | 7695082840 | 7616154000 | 4     |
| Tetrachloro-m-xylene       |     | 8921368150                  | 8691850413 | 8750108140                 | 8842570400 | 8500038400 | 2     |
| Aroclor-1248-1             | (1) | 180443308                   | 190883876  | 199902132                  | 213303984  | 216831760  | 8     |
| Aroclor-1248-2             | (2) | 246301061                   | 262357348  | 276907834                  | 298582396  | 301778920  | 9     |
| Aroclor-1248-3             | (3) | 307776547                   | 326479597  | 342321706                  | 362333244  | 366087160  | 7     |
| Aroclor-1248-4             | (4) | 437732929                   | 457834677  | 479474244                  | 502800428  | 504795820  | 6     |
| Aroclor-1248-5             | (5) | 308766537                   | 323271540  | 339143702                  | 357998428  | 363873980  | 7     |
| Decachlorobiphenyl         |     | 7041971050                  | 7340001867 | 7677772660                 | 8334328560 | 8377267200 | 8     |
| Tetrachloro-m-xylene       |     | 8742483090                  | 9116744787 | 9342439560                 | 9446963040 | 8577776400 | 4     |
| Aroclor-1254-1             | (1) | 463230517                   | 487037587  | 512031514                  | 533861324  | 572040640  | 8     |
| Aroclor-1254-2             | (2) | 407035308                   | 429134731  | 452892530                  | 476390932  | 511836900  | 9     |
| Aroclor-1254-3             | (3) | 665923649                   | 695083201  | 726473802                  | 743208540  | 769953480  | 6     |
| Aroclor-1254-4             | (4) | 404280854                   | 421077525  | 444268156                  | 458648100  | 465789400  | 6     |
| Aroclor-1254-5             | (5) | 578915300                   | 604639081  | 636092894                  | 662542188  | 693421140  | 7     |
| Decachlorobiphenyl         |     | 7146512650                  | 7451889427 | 7845842200                 | 8029803560 | 8289288000 | 6     |
| Tetrachloro-m-xylene       |     | 8916956510                  | 9205112240 | 9483653100                 | 9313097600 | 8995829000 | 3     |
| Aroclor-1268-1             | (1) | 1246089127                  | 1198545457 | 1234114434                 | 1276827264 | 1264498100 | 2     |

### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 1144198522  | 1088520925  | 1112229462  | 1147435628  | 1115923840  | 1121661675  | 2 |
| Aroclor-1268-3       | (3) | 940965396   | 832346444   | 919340748   | 953365360   | 884986220   | 906200834   | 5 |
| Aroclor-1268-4       | (4) | 385949324   | 370268229   | 384086808   | 404665236   | 389544200   | 386902759   | 3 |
| Aroclor-1268-5       | (5) | 2890019913  | 2756282528  | 2773652360  | 2815336668  | 2624622080  | 2771982710  | 4 |
| Decachlorobiphenyl   |     | 13116054520 | 12684928373 | 12985206200 | 13660251040 | 13550255000 | 13199339027 | 3 |
| Tetrachloro-m-xylene |     | 9439924600  | 8926085107  | 9366220020  | 9585299080  | 8679584000  | 9199422561  | 4 |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** TETR06  
**Lab Code:** CHEM **Case No.:** P5283 **SAS No.:** P5283 **SDG NO.:** P5283  
**Instrument ID:** ECD\_O  
**Calibration Date(s):** 12/06/2024 12/06/2024  
**Calibration Times:** 14:19 22:34

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

| LAB FILE ID:               |     | CF 1000 = <u>PO108362.D</u> |            | CF 750 = <u>PO108363.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO108364.D</u> |     | CF 250 = <u>PO108365.D</u>  |            | CF 050 = <u>PO108366.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 153895169                   | 156728372  | 161981056                  | 169073964  | 160692820  | 4     |
| Aroclor-1016-2             | (2) | 216342839                   | 218481491  | 224728354                  | 232664856  | 218246400  | 3     |
| Aroclor-1016-3             | (3) | 120117826                   | 122069885  | 126984464                  | 131660600  | 128335340  | 4     |
| Aroclor-1016-4             | (4) | 96843518                    | 100727947  | 106065160                  | 112123848  | 108269060  | 6     |
| Aroclor-1016-5             | (5) | 124135109                   | 128707045  | 133919966                  | 139473364  | 149819760  | 7     |
| Aroclor-1260-1             | (1) | 220557751                   | 224688929  | 233372252                  | 247245708  | 244312440  | 5     |
| Aroclor-1260-2             | (2) | 265498816                   | 268435476  | 278836448                  | 291165028  | 298902840  | 5     |
| Aroclor-1260-3             | (3) | 247895049                   | 250737920  | 258985508                  | 271036448  | 289186460  | 6     |
| Aroclor-1260-4             | (4) | 206205103                   | 207830825  | 214807128                  | 221847076  | 213061100  | 3     |
| Aroclor-1260-5             | (5) | 485216265                   | 483370987  | 491130416                  | 498849136  | 461100640  | 3     |
| Decachlorobiphenyl         |     | 3766442770                  | 3798929547 | 3925647180                 | 4081005080 | 3802565400 | 3     |
| Tetrachloro-m-xylene       |     | 5125815400                  | 5157614040 | 5227779180                 | 5235220160 | 4600485000 | 5     |
| Aroclor-1242-1             | (1) | 129471703                   | 129065633  | 132661290                  | 141454628  | 146186400  | 6     |
| Aroclor-1242-2             | (2) | 181117644                   | 180316532  | 183263990                  | 191612732  | 190980420  | 3     |
| Aroclor-1242-3             | (3) | 100948316                   | 100485531  | 102947708                  | 108518220  | 114012140  | 5     |
| Aroclor-1242-4             | (4) | 100375229                   | 100398940  | 104407974                  | 111868140  | 119593080  | 8     |
| Aroclor-1242-5             | (5) | 119243844                   | 118999972  | 122020908                  | 130935164  | 140800680  | 7     |
| Decachlorobiphenyl         |     | 3837824030                  | 3881889067 | 3932164520                 | 4142632320 | 3981873600 | 3     |
| Tetrachloro-m-xylene       |     | 5175637870                  | 5056121747 | 5062590080                 | 5077379040 | 4694060200 | 4     |
| Aroclor-1248-1             | (1) | 96151235                    | 101173276  | 106208356                  | 111512520  | 110549280  | 6     |
| Aroclor-1248-2             | (2) | 134456241                   | 142517627  | 150226096                  | 159660040  | 159777460  | 7     |
| Aroclor-1248-3             | (3) | 143332101                   | 151082947  | 159714030                  | 169070604  | 168858280  | 7     |
| Aroclor-1248-4             | (4) | 168393487                   | 177299203  | 184813874                  | 193701216  | 188544620  | 5     |
| Aroclor-1248-5             | (5) | 162171392                   | 168228800  | 176144562                  | 182809080  | 188663420  | 6     |
| Decachlorobiphenyl         |     | 3812249930                  | 3973614533 | 4145380680                 | 4445118560 | 4295672800 | 6     |
| Tetrachloro-m-xylene       |     | 4965646150                  | 5143987440 | 5236574340                 | 5255843080 | 4633325600 | 5     |
| Aroclor-1254-1             | (1) | 245816740                   | 256457156  | 269229946                  | 279215328  | 303441080  | 8     |
| Aroclor-1254-2             | (2) | 215464605                   | 225390397  | 238770420                  | 248817564  | 271658880  | 9     |
| Aroclor-1254-3             | (3) | 351887512                   | 364509791  | 380441060                  | 386791796  | 393925500  | 5     |
| Aroclor-1254-4             | (4) | 202983022                   | 209924784  | 220508360                  | 226093392  | 228876240  | 5     |
| Aroclor-1254-5             | (5) | 301571990                   | 312619885  | 327015726                  | 332817532  | 339773740  | 5     |
| Decachlorobiphenyl         |     | 3941299730                  | 4071714027 | 4258931580                 | 4374402200 | 4331619600 | 4     |
| Tetrachloro-m-xylene       |     | 5092418740                  | 5228867107 | 5367266300                 | 5227916200 | 4998387200 | 3     |
| Aroclor-1268-1             | (1) | 656711077                   | 629047555  | 645909990                  | 662020976  | 635929760  | 2     |

### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 598855523  | 573599667  | 581583226  | 594062960  | 559533920  | 581527059  | 3 |
| Aroclor-1268-3       | (3) | 514109640  | 473779721  | 502419092  | 515326152  | 488714860  | 498869893  | 4 |
| Aroclor-1268-4       | (4) | 204541613  | 194882907  | 202546298  | 212150808  | 201074520  | 203039229  | 3 |
| Aroclor-1268-5       | (5) | 1554458685 | 1488724905 | 1492118486 | 1500575756 | 1388253260 | 1484826218 | 4 |
| Decachlorobiphenyl   |     | 7216327300 | 6964723040 | 7142803680 | 7406390760 | 7194775600 | 7185004076 | 2 |
| Tetrachloro-m-xylene |     | 5353757740 | 5060175947 | 5259788400 | 5326606440 | 4764065600 | 5152878825 | 5 |



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

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Instrument ID: ECD\_O Date(s) Analyzed: 12/06/2024 12/06/2024

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    | 3.93 | 3.83      | 4.03 | 113144000             |
|              |                | 2    | 4.01 | 3.91      | 4.11 | 86720400              |
|              |                | 3    | 4.09 | 3.99      | 4.19 | 254206000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.09 | 3.99      | 4.19 | 204770000             |
|              |                | 2    | 4.59 | 4.49      | 4.69 | 114353000             |
|              |                | 3    | 4.83 | 4.73      | 4.93 | 197477000             |
|              |                | 4    | 5.01 | 4.91      | 5.11 | 108380000             |
|              |                | 5    | 5.05 | 4.95      | 5.15 | 78329400              |
| Aroclor-1262 | 500            | 1    | 6.87 | 6.77      | 6.97 | 658396000             |
|              |                | 2    | 7.37 | 7.27      | 7.47 | 1111710000            |
|              |                | 3    | 7.65 | 7.55      | 7.75 | 436856000             |
|              |                | 4    | 7.72 | 7.62      | 7.82 | 806298000             |
|              |                | 5    | 8.22 | 8.12      | 8.32 | 354936000             |



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Fax : 908 789 8922

# INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Instrument ID: ECD\_O Date(s) Analyzed: 12/06/2024 12/06/2024

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    | 3.92 | 3.82      | 4.02 | 62122600              |
|              |                | 2    | 4.01 | 3.91      | 4.11 | 47445000              |
|              |                | 3    | 4.08 | 3.98      | 4.18 | 140587000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.08 | 3.98      | 4.18 | 112052000             |
|              |                | 2    | 4.82 | 4.72      | 4.92 | 105754000             |
|              |                | 3    | 4.99 | 4.89      | 5.09 | 60347200              |
|              |                | 4    | 5.08 | 4.98      | 5.18 | 55556400              |
|              |                | 5    | 5.25 | 5.15      | 5.35 | 57576200              |
| Aroclor-1262 | 500            | 1    | 6.84 | 6.74      | 6.94 | 337974000             |
|              |                | 2    | 7.34 | 7.24      | 7.44 | 571854000             |
|              |                | 3    | 7.62 | 7.52      | 7.72 | 224428000             |
|              |                | 4    | 7.69 | 7.59      | 7.79 | 409588000             |
|              |                | 5    | 8.18 | 8.08      | 8.28 | 184828000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108362.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:19  
Operator : YP/AJ  
Sample : AR1660ICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:46:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 875.5E6 | 512.6E6  | 98.074  | 98.050  |
| 2) SA Decachlor...          | 8.791 | 8.741 | 702.0E6 | 376.6E6  | 95.598  | 95.945  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.810 | 4.798 | 291.9E6 | 153.9E6  | 939.883 | 950.081 |
| 4) L1 AR-1016-2             | 4.830 | 4.818 | 404.5E6 | 216.3E6  | 965.311 | 962.686 |
| 5) L1 AR-1016-3             | 4.885 | 4.994 | 276.3E6 | 120.1E6  | 935.976 | 945.925 |
| 6) L1 AR-1016-4             | 5.007 | 5.036 | 219.5E6 | 96843518 | 946.133 | 913.057 |
| 7) L1 AR-1016-5             | 5.265 | 5.250 | 230.8E6 | 124.1E6  | 926.029 | 926.935 |
| 31) L7 AR-1260-1            | 6.310 | 6.286 | 430.1E6 | 220.6E6  | 938.748 | 945.090 |
| 32) L7 AR-1260-2            | 6.498 | 6.473 | 527.0E6 | 265.5E6  | 948.170 | 952.167 |
| 33) L7 AR-1260-3            | 6.869 | 6.628 | 437.0E6 | 247.9E6  | 941.362 | 957.177 |
| 34) L7 AR-1260-4            | 7.129 | 7.100 | 403.3E6 | 206.2E6  | 945.693 | 959.955 |
| 35) L7 AR-1260-5            | 7.370 | 7.340 | 957.1E6 | 485.2E6  | 972.054 | 987.958 |
| -----                       |       |       |         |          |         |         |

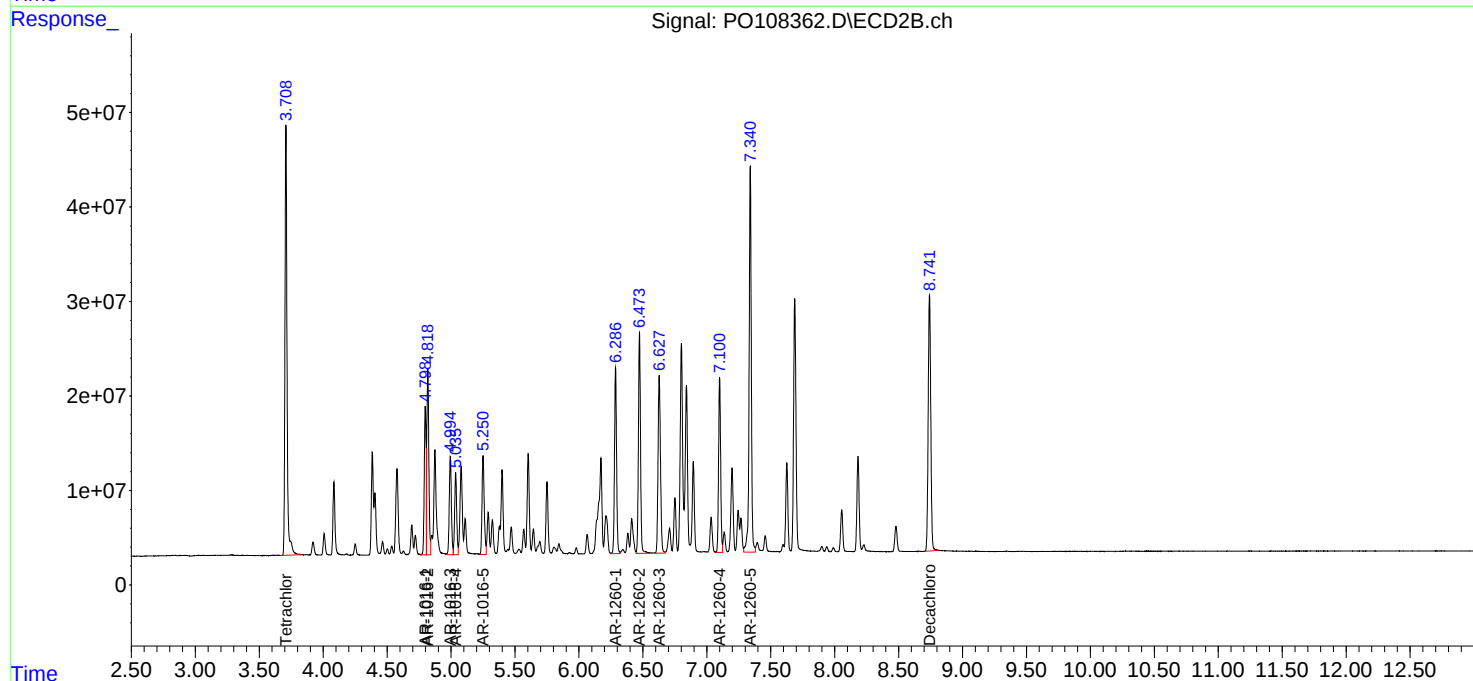
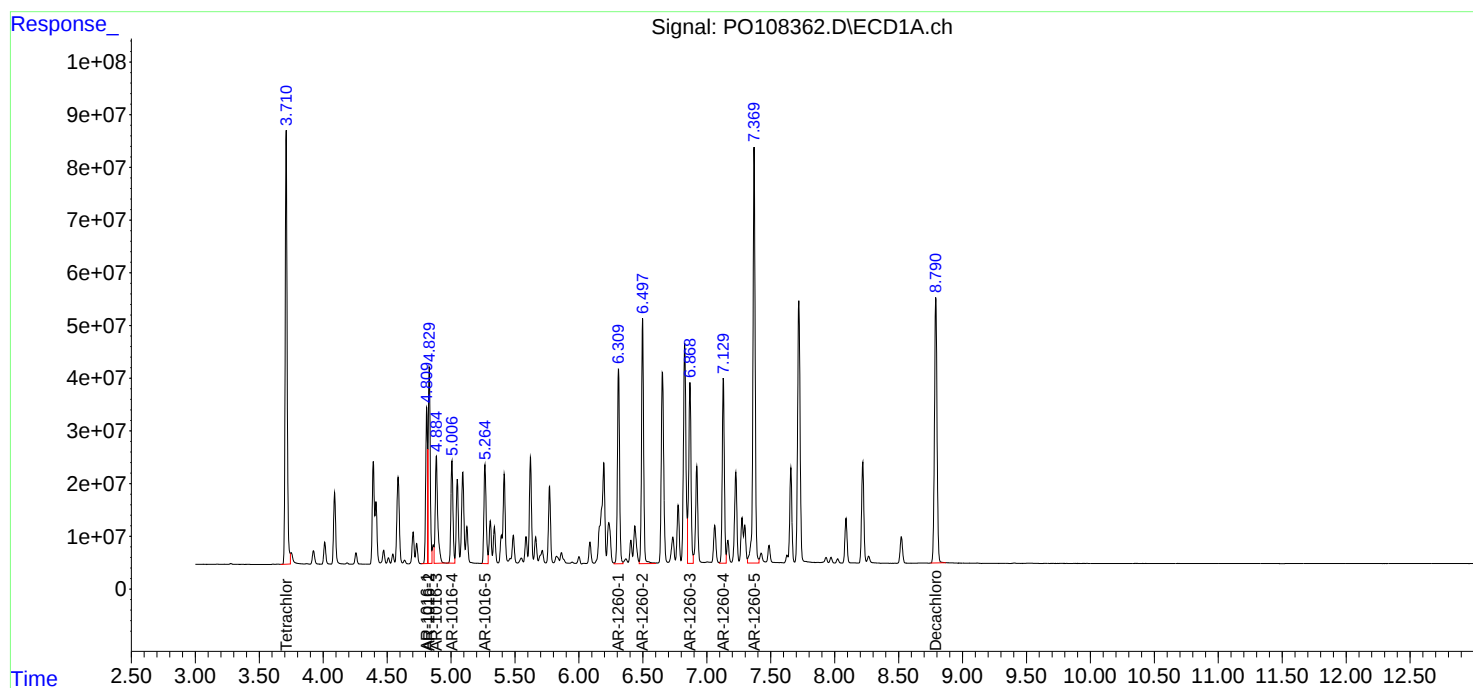
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108362.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:19  
Operator : YP/AJ  
Sample : AR1660ICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

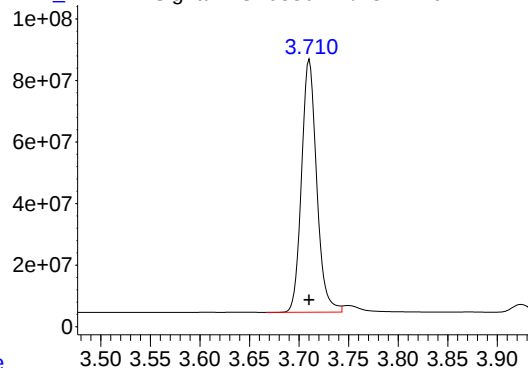
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:46:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108362.D\ECD1A.ch

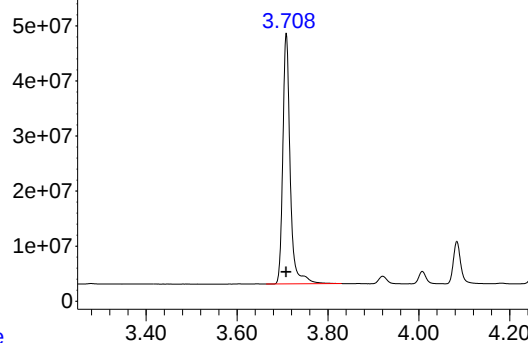


#1 Tetrachloro-m-xylene

R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 875455438  
Conc: 98.07 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

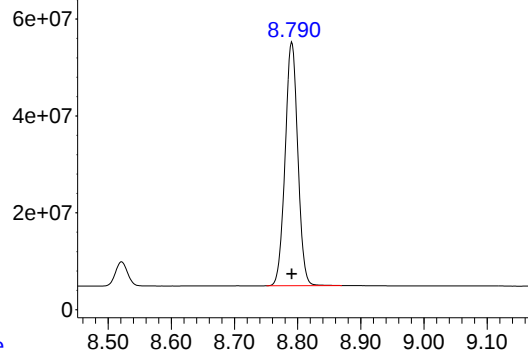
Time Response\_ Signal: PO108362.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 512581540  
Conc: 98.05 ng/ml

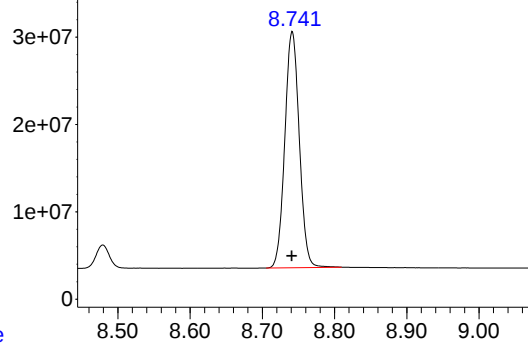
Time Response\_ Signal: PO108362.D\ECD1A.ch



#2 Decachlorobiphenyl

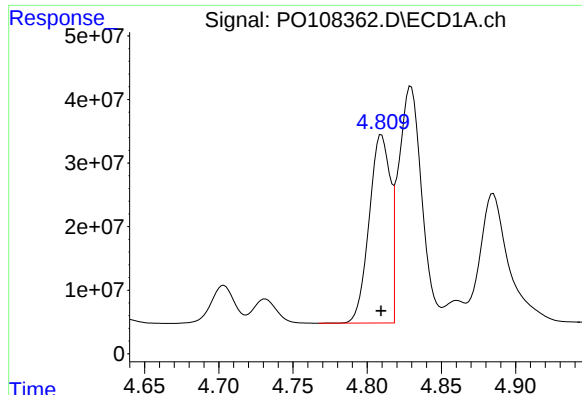
R.T.: 8.791 min  
Delta R.T.: 0.000 min  
Response: 701997594  
Conc: 95.60 ng/ml

Time Response\_ Signal: PO108362.D\ECD2B.ch



#2 Decachlorobiphenyl

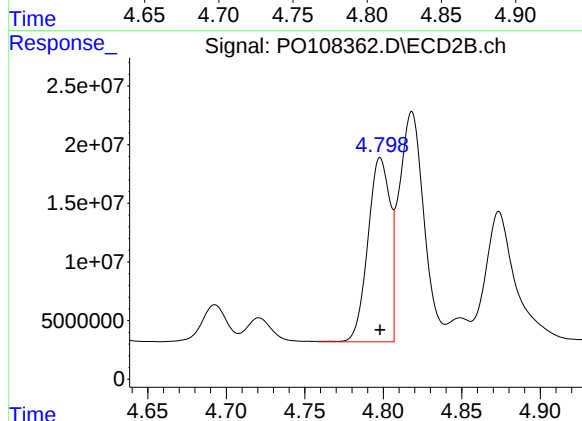
R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 376644277  
Conc: 95.94 ng/ml



#3 AR-1016-1

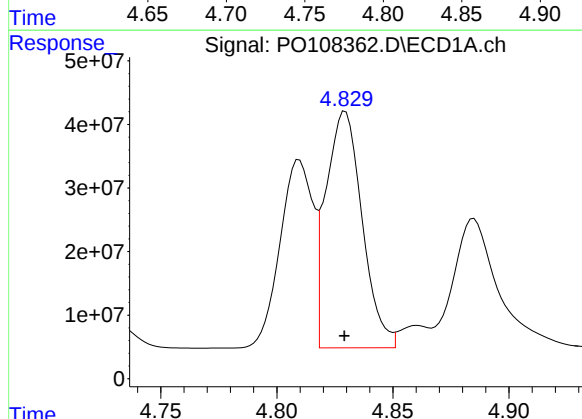
R.T.: 4.810 min  
Delta R.T.: 0.000 min  
Response: 291946997  
Conc: 939.88 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000



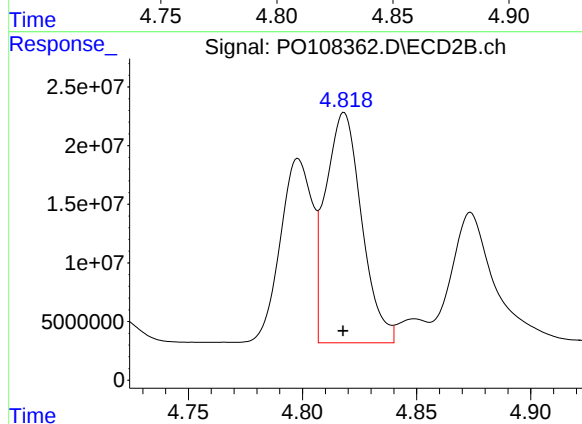
#3 AR-1016-1

R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 153895169  
Conc: 950.08 ng/ml



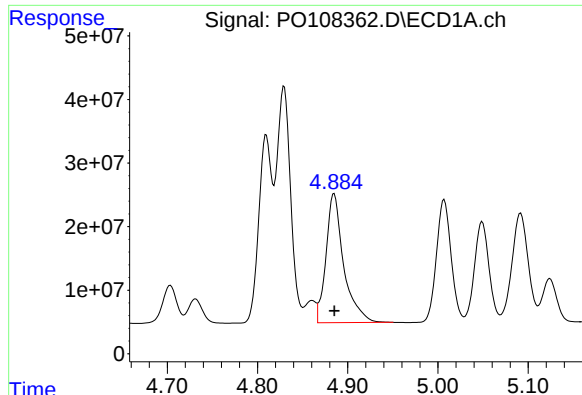
#4 AR-1016-2

R.T.: 4.830 min  
Delta R.T.: 0.000 min  
Response: 404548343  
Conc: 965.31 ng/ml



#4 AR-1016-2

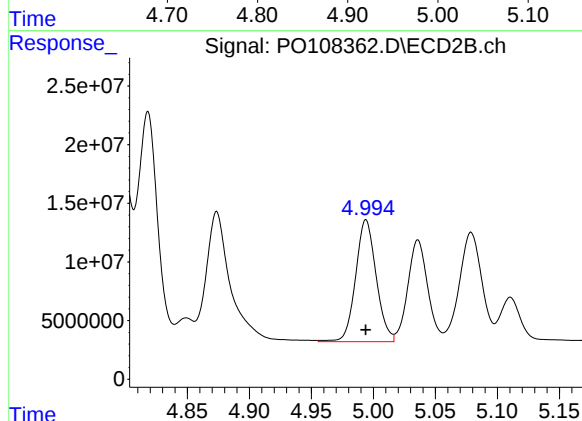
R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 216342839  
Conc: 962.69 ng/ml



#5 AR-1016-3

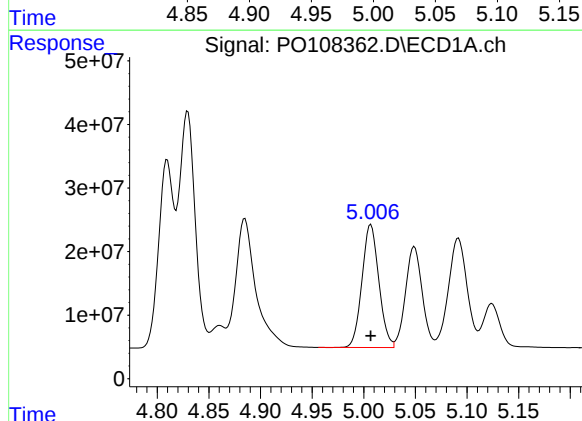
R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 276313882  
Conc: 935.98 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000



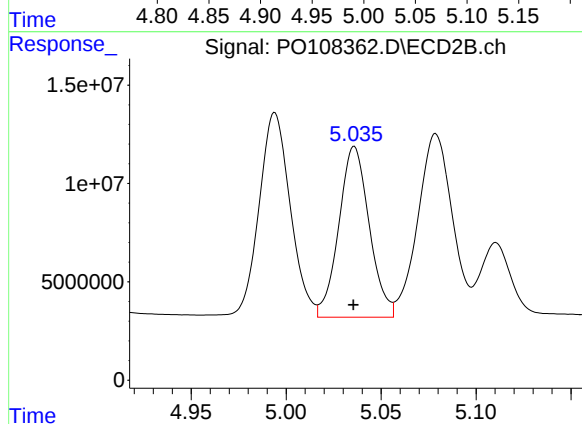
#5 AR-1016-3

R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 120117826  
Conc: 945.93 ng/ml



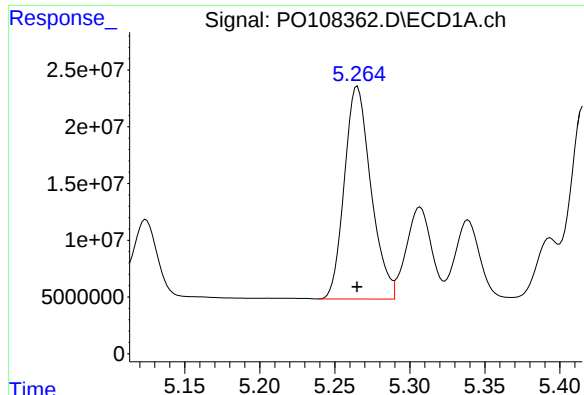
#6 AR-1016-4

R.T.: 5.007 min  
Delta R.T.: 0.000 min  
Response: 219460370  
Conc: 946.13 ng/ml



#6 AR-1016-4

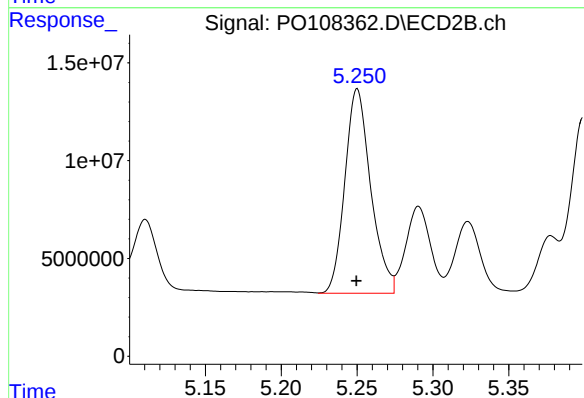
R.T.: 5.036 min  
Delta R.T.: 0.000 min  
Response: 96843518  
Conc: 913.06 ng/ml



#7 AR-1016-5

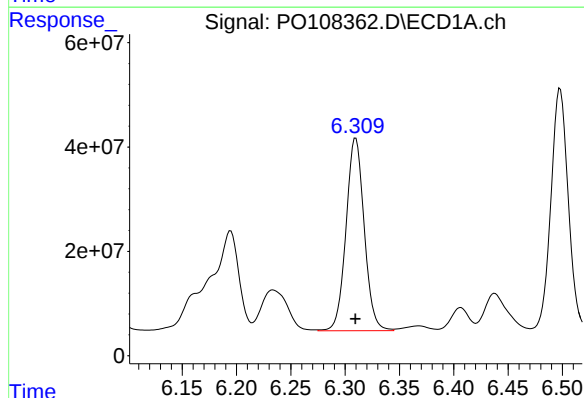
R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 230837381  
Conc: 926.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000



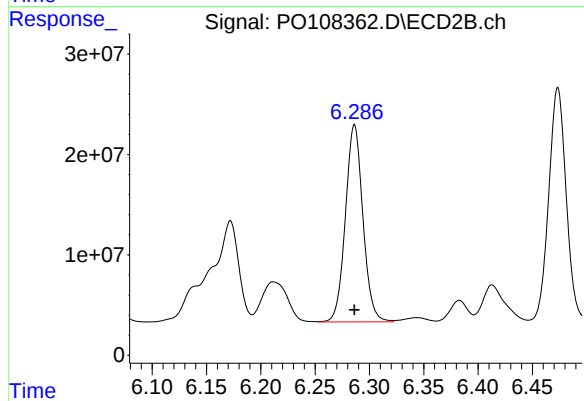
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 124135109  
Conc: 926.94 ng/ml



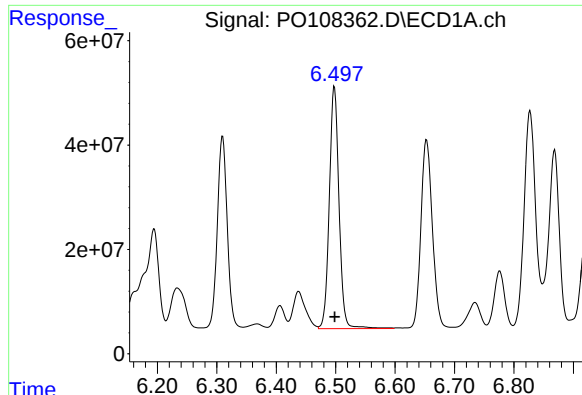
#31 AR-1260-1

R.T.: 6.310 min  
Delta R.T.: 0.000 min  
Response: 430087746  
Conc: 938.75 ng/ml



#31 AR-1260-1

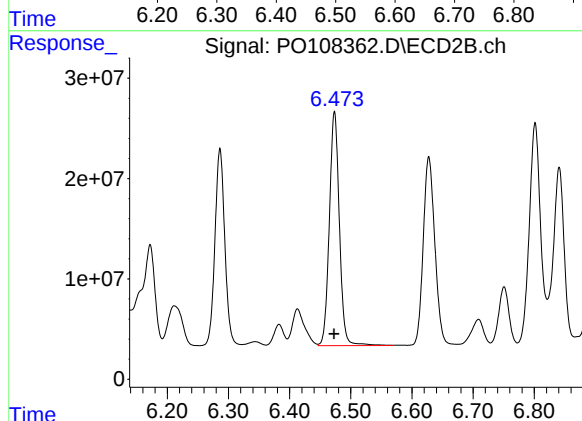
R.T.: 6.286 min  
Delta R.T.: 0.000 min  
Response: 220557751  
Conc: 945.09 ng/ml



#32 AR-1260-2

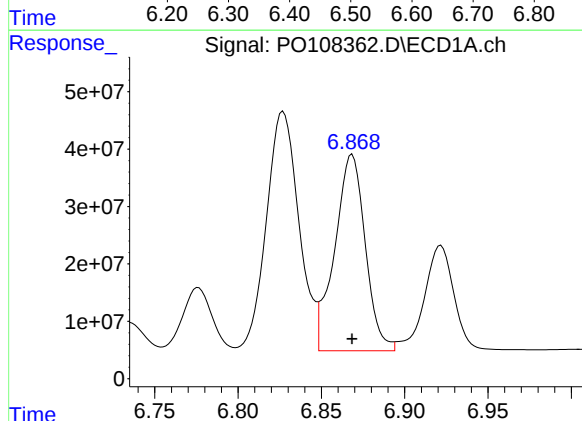
R.T.: 6.498 min  
Delta R.T.: 0.000 min  
Response: 526959551  
Conc: 948.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000



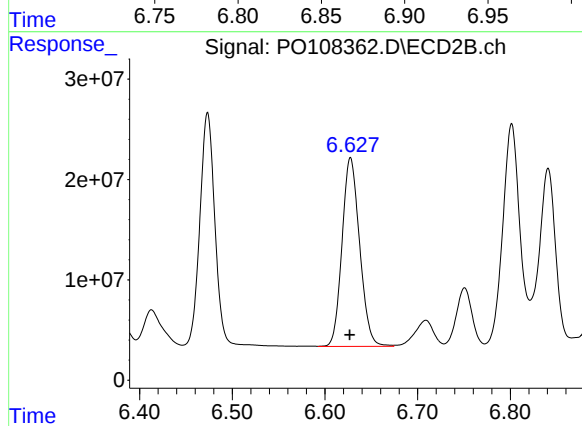
#32 AR-1260-2

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 265498816  
Conc: 952.17 ng/ml



#33 AR-1260-3

R.T.: 6.869 min  
Delta R.T.: 0.000 min  
Response: 436965341  
Conc: 941.36 ng/ml



#33 AR-1260-3

R.T.: 6.628 min  
Delta R.T.: 0.000 min  
Response: 247895049  
Conc: 957.18 ng/ml

Response\_

Signal: PO108362.D\ECD1A.ch

#34 AR-1260-4

R.T.: 7.129 min  
Delta R.T.: 0.000 min  
Response: 403312630  
Conc: 945.69 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Time

Response\_

Signal: PO108362.D\ECD2B.ch

#34 AR-1260-4

R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 206205103  
Conc: 959.95 ng/ml

Time

Response\_

Signal: PO108362.D\ECD1A.ch

#35 AR-1260-5

R.T.: 7.370 min  
Delta R.T.: 0.000 min  
Response: 957132439  
Conc: 972.05 ng/ml

Time

Response\_

Signal: PO108362.D\ECD2B.ch

#35 AR-1260-5

R.T.: 7.340 min  
Delta R.T.: 0.000 min  
Response: 485216265  
Conc: 987.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108363.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:38  
Operator : YP/AJ  
Sample : AR1660ICC750  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:46:49 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.709 | 658.8E6 | 386.8E6  | 73.801  | 73.993  |
| 2) SA Decachlor...          | 8.790 | 8.741 | 532.7E6 | 284.9E6  | 72.539  | 72.579  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.810 | 4.799 | 223.3E6 | 117.5E6  | 718.908 | 725.679 |
| 4) L1 AR-1016-2             | 4.829 | 4.818 | 307.7E6 | 163.9E6  | 734.100 | 729.152 |
| 5) L1 AR-1016-3             | 4.885 | 4.994 | 212.5E6 | 91552414 | 719.859 | 720.973 |
| 6) L1 AR-1016-4             | 5.007 | 5.036 | 168.0E6 | 75545960 | 724.371 | 712.260 |
| 7) L1 AR-1016-5             | 5.265 | 5.250 | 178.9E6 | 96530284 | 717.783 | 720.806 |
| 31) L7 AR-1260-1            | 6.309 | 6.287 | 326.6E6 | 168.5E6  | 712.759 | 722.094 |
| 32) L7 AR-1260-2            | 6.498 | 6.474 | 394.8E6 | 201.3E6  | 710.350 | 722.024 |
| 33) L7 AR-1260-3            | 6.869 | 6.628 | 332.9E6 | 188.1E6  | 717.199 | 726.116 |
| 34) L7 AR-1260-4            | 7.129 | 7.101 | 304.9E6 | 155.9E6  | 714.930 | 725.642 |
| 35) L7 AR-1260-5            | 7.370 | 7.340 | 716.6E6 | 362.5E6  | 727.800 | 738.151 |
| -----                       |       |       |         |          |         |         |

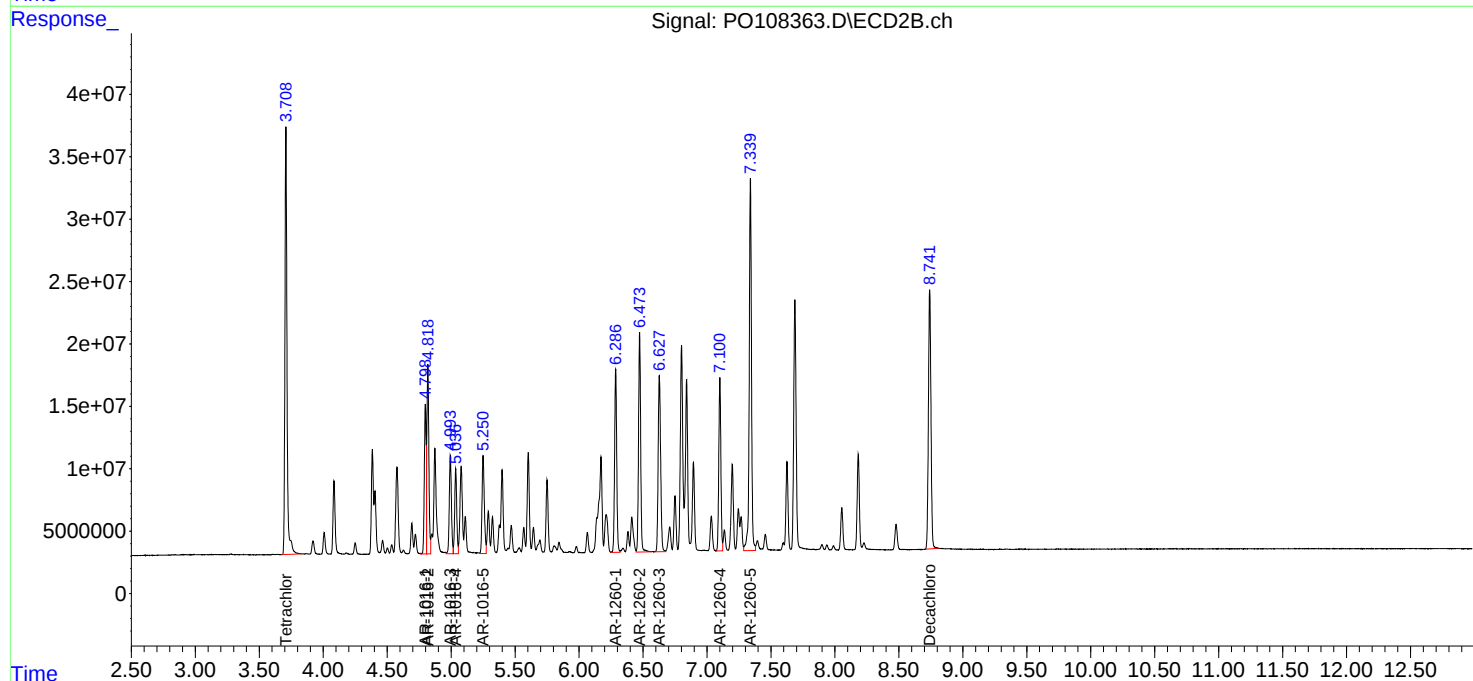
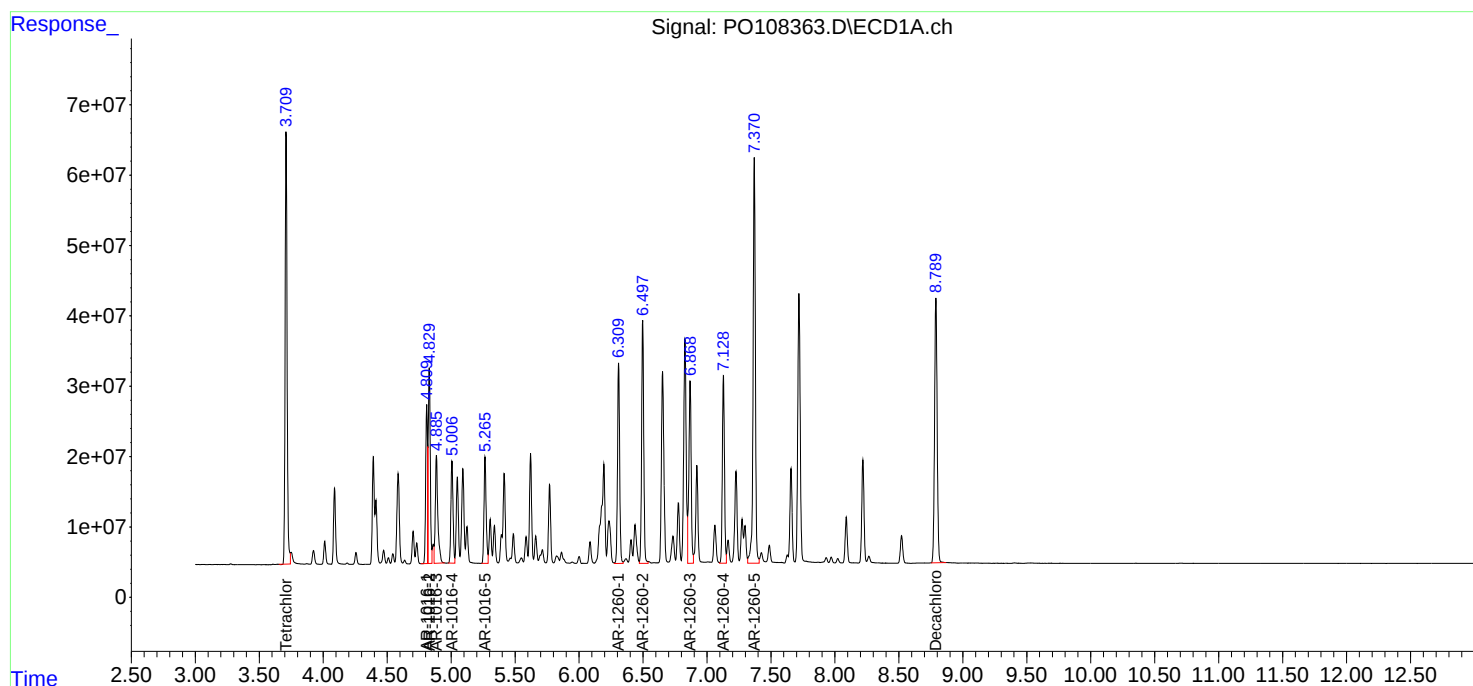
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108363.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:38  
Operator : YP/AJ  
Sample : AR1660ICC750  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:46:49 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

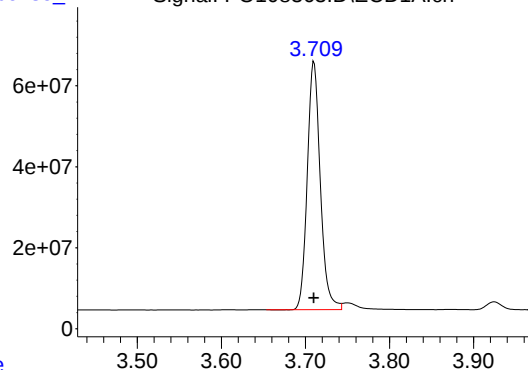
Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_

Signal: PO108363.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 658777485  
Conc: 73.80 ng/ml

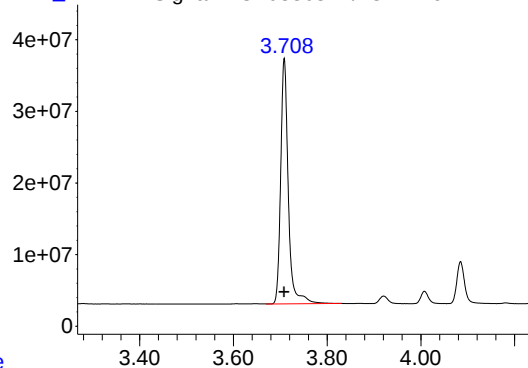
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Time

Response\_

Signal: PO108363.D\ECD2B.ch

#1 Tetrachloro-m-xylene



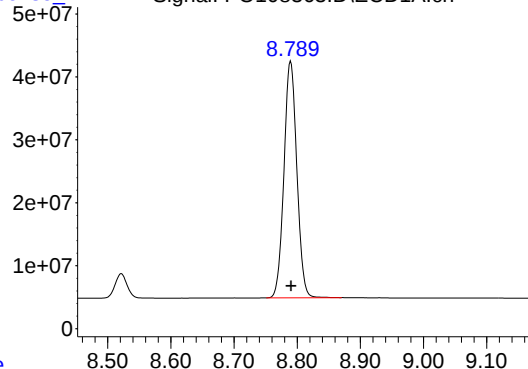
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 386821053  
Conc: 73.99 ng/ml

Time

Response\_

Signal: PO108363.D\ECD1A.ch

#2 Decachlorobiphenyl



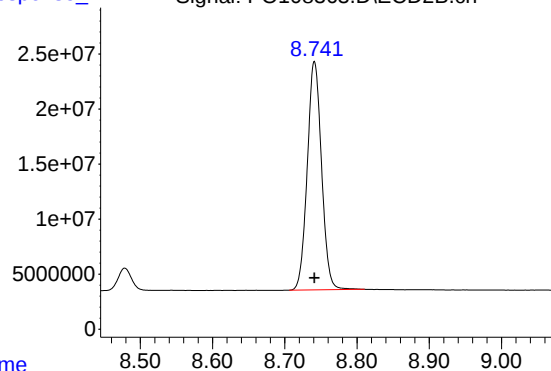
R.T.: 8.790 min  
Delta R.T.: -0.001 min  
Response: 532670982  
Conc: 72.54 ng/ml

Time

Response\_

Signal: PO108363.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 284919716  
Conc: 72.58 ng/ml

Time

Response\_

Signal: PO108363.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.810 min

Delta R.T.: 0.000 min

Response: 223307826

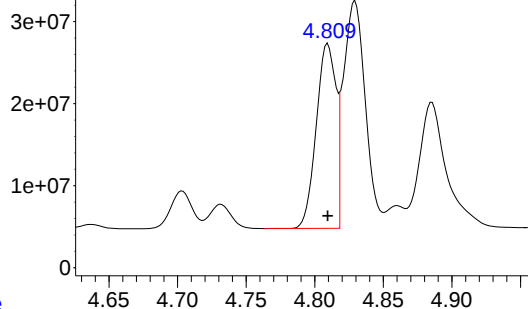
Conc: 718.91 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1660ICC750



Time

Response\_

Signal: PO108363.D\ECD2B.ch

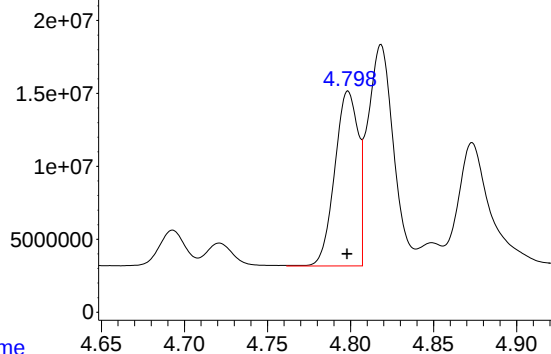
#3 AR-1016-1

R.T.: 4.799 min

Delta R.T.: 0.000 min

Response: 117546279

Conc: 725.68 ng/ml



Time

Response\_

Signal: PO108363.D\ECD1A.ch

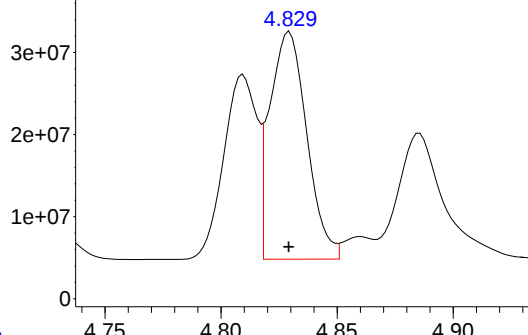
#4 AR-1016-2

R.T.: 4.829 min

Delta R.T.: 0.000 min

Response: 307651289

Conc: 734.10 ng/ml



Time

Response\_

Signal: PO108363.D\ECD2B.ch

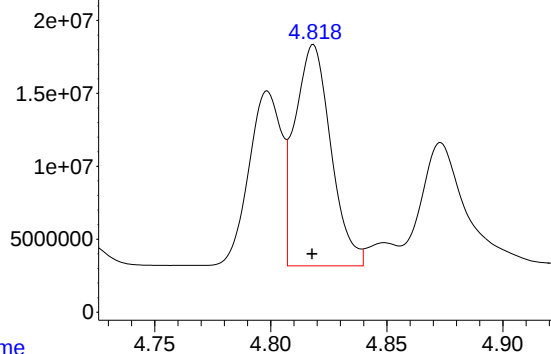
#4 AR-1016-2

R.T.: 4.818 min

Delta R.T.: 0.000 min

Response: 163861118

Conc: 729.15 ng/ml



Time

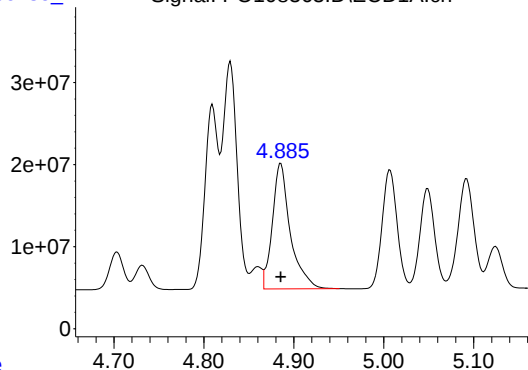
Response\_

Signal: PO108363.D\ECD1A.ch

#5 AR-1016-3

R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 212513051  
Conc: 719.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750



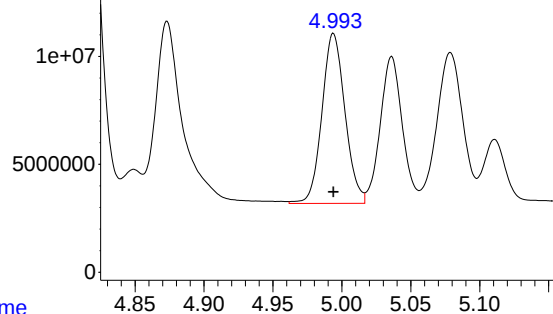
Time

Response\_

Signal: PO108363.D\ECD2B.ch

#5 AR-1016-3

R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 91552414  
Conc: 720.97 ng/ml



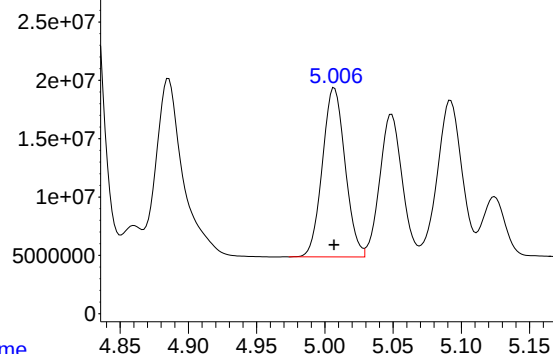
Time

Response\_

Signal: PO108363.D\ECD1A.ch

#6 AR-1016-4

R.T.: 5.007 min  
Delta R.T.: 0.000 min  
Response: 168021660  
Conc: 724.37 ng/ml



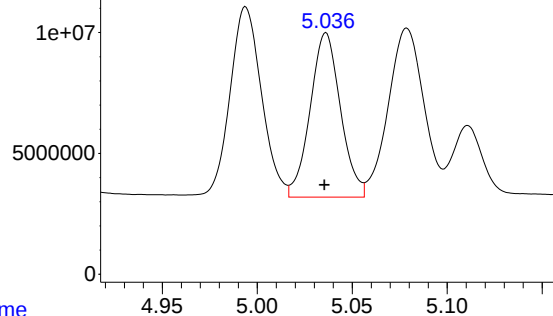
Time

Response\_

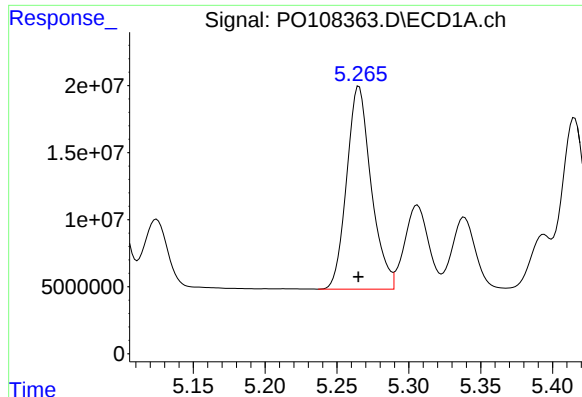
Signal: PO108363.D\ECD2B.ch

#6 AR-1016-4

R.T.: 5.036 min  
Delta R.T.: 0.000 min  
Response: 75545960  
Conc: 712.26 ng/ml



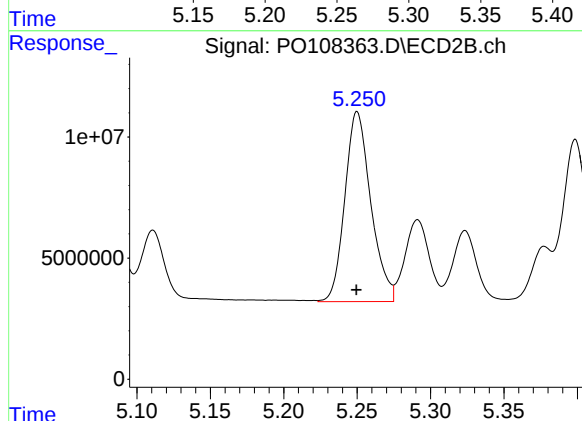
Time



#7 AR-1016-5

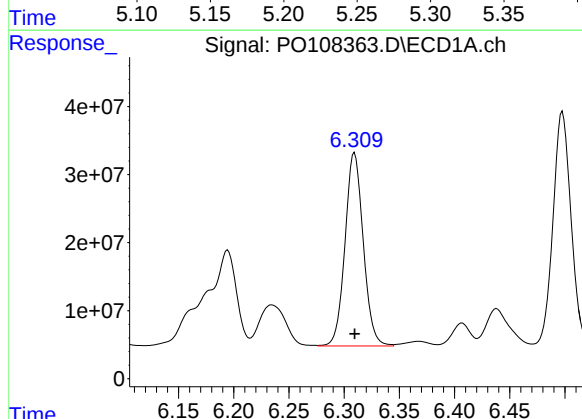
R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 178926693  
Conc: 717.78 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750



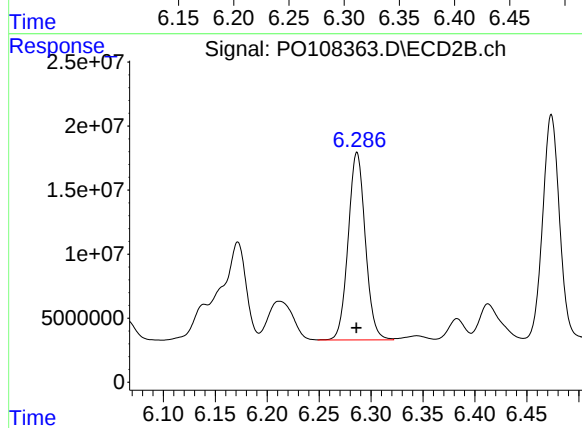
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 96530284  
Conc: 720.81 ng/ml



#31 AR-1260-1

R.T.: 6.309 min  
Delta R.T.: 0.000 min  
Response: 326550798  
Conc: 712.76 ng/ml



#31 AR-1260-1

R.T.: 6.287 min  
Delta R.T.: 0.000 min  
Response: 168516697  
Conc: 722.09 ng/ml

Response\_

Signal: PO108363.D\ECD1A.ch

#32 AR-1260-2

R.T.: 6.498 min  
Delta R.T.: 0.000 min  
Response: 394787286  
Conc: 710.35 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Time

Response

Signal: PO108363.D\ECD2B.ch

#32 AR-1260-2

R.T.: 6.474 min  
Delta R.T.: 0.001 min  
Response: 201326607  
Conc: 722.02 ng/ml

Time

Response\_

Signal: PO108363.D\ECD1A.ch

#33 AR-1260-3

R.T.: 6.869 min  
Delta R.T.: 0.000 min  
Response: 332912456  
Conc: 717.20 ng/ml

Time

Response

Signal: PO108363.D\ECD2B.ch

#33 AR-1260-3

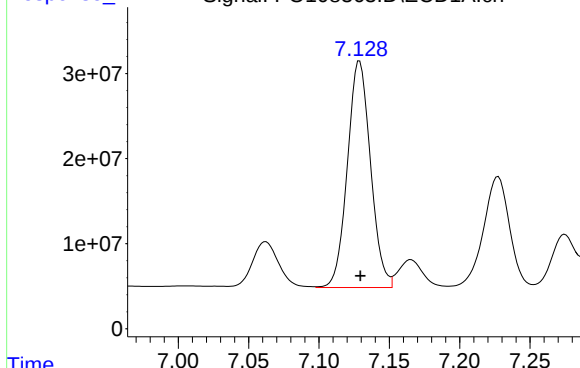
R.T.: 6.628 min  
Delta R.T.: 0.000 min  
Response: 188053440  
Conc: 726.12 ng/ml

Time

Response\_

Signal: PO108363.D\ECD1A.ch

#34 AR-1260-4



R.T.: 7.129 min  
Delta R.T.: 0.000 min  
Response: 304898152  
Conc: 714.93 ng/ml

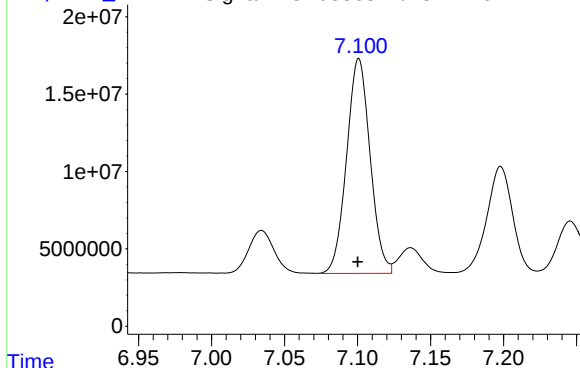
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Time

Response\_

Signal: PO108363.D\ECD2B.ch

#34 AR-1260-4



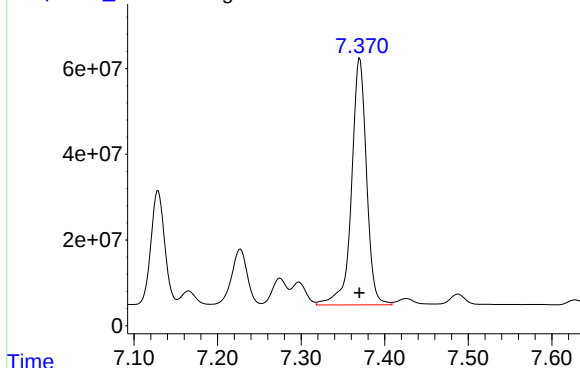
R.T.: 7.101 min  
Delta R.T.: 0.000 min  
Response: 155873119  
Conc: 725.64 ng/ml

Time

Response\_

Signal: PO108363.D\ECD1A.ch

#35 AR-1260-5



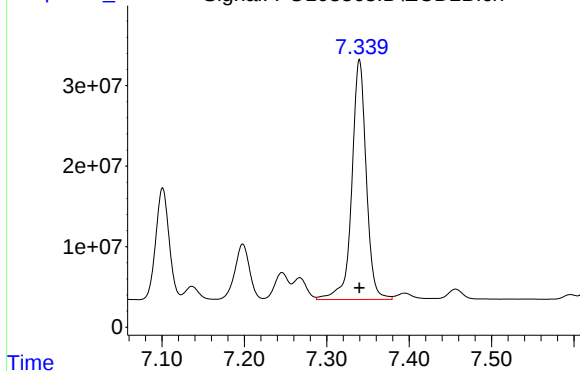
R.T.: 7.370 min  
Delta R.T.: 0.000 min  
Response: 716627842  
Conc: 727.80 ng/ml

Time

Response\_

Signal: PO108363.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.340 min  
Delta R.T.: 0.000 min  
Response: 362528240  
Conc: 738.15 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108364.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:56  
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: Dec 07 01:47:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 446.3E6 | 261.4E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.791 | 8.741 | 367.2E6 | 196.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.809 | 4.798 | 155.3E6 | 80990528 | 500.000 | 500.000 |
| 4) L1 AR-1016-2             | 4.829 | 4.818 | 209.5E6 | 112.4E6  | 500.000 | 500.000 |
| 5) L1 AR-1016-3             | 4.885 | 4.994 | 147.6E6 | 63492232 | 500.000 | 500.000 |
| 6) L1 AR-1016-4             | 5.007 | 5.035 | 116.0E6 | 53032580 | 500.000 | 500.000 |
| 7) L1 AR-1016-5             | 5.265 | 5.250 | 124.6E6 | 66959983 | 500.000 | 500.000 |
| 31) L7 AR-1260-1            | 6.310 | 6.286 | 229.1E6 | 116.7E6  | 500.000 | 500.000 |
| 32) L7 AR-1260-2            | 6.498 | 6.473 | 277.9E6 | 139.4E6  | 500.000 | 500.000 |
| 33) L7 AR-1260-3            | 6.869 | 6.627 | 232.1E6 | 129.5E6  | 500.000 | 500.000 |
| 34) L7 AR-1260-4            | 7.129 | 7.100 | 213.2E6 | 107.4E6  | 500.000 | 500.000 |
| 35) L7 AR-1260-5            | 7.370 | 7.339 | 492.3E6 | 245.6E6  | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

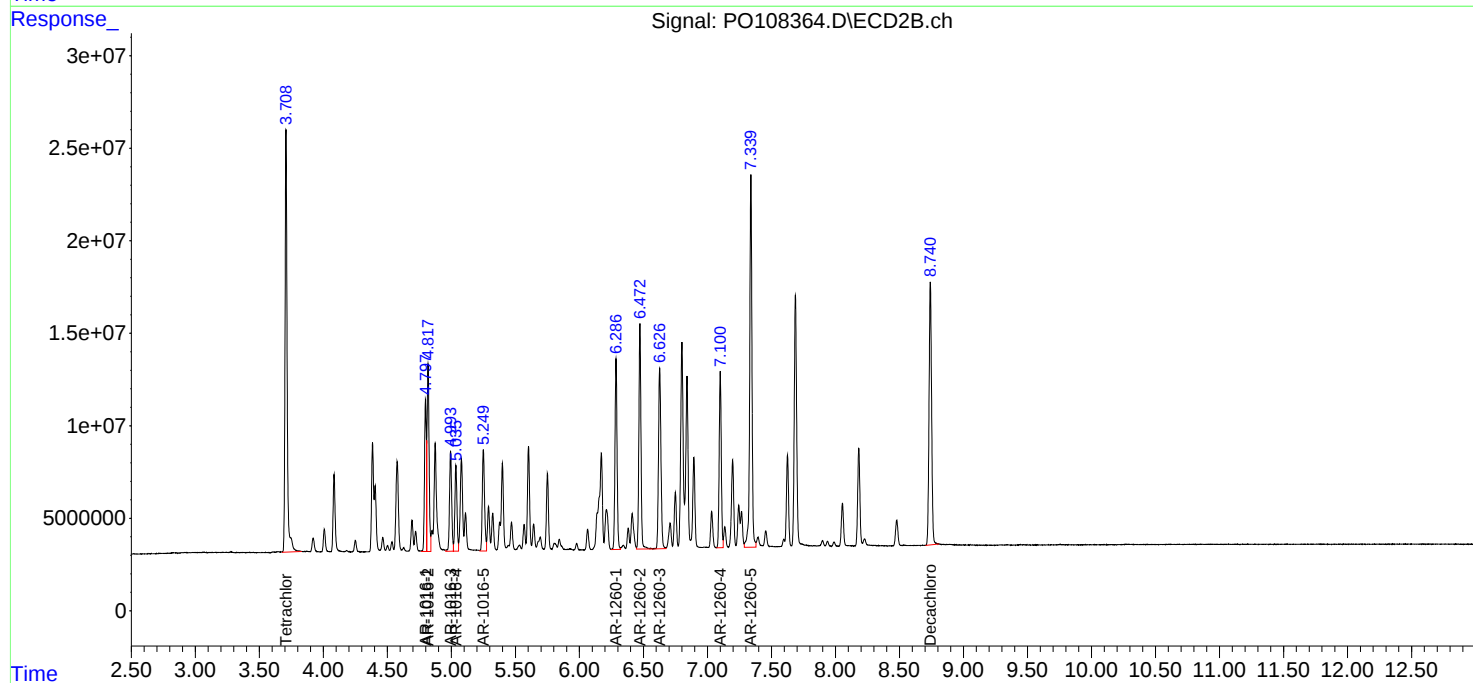
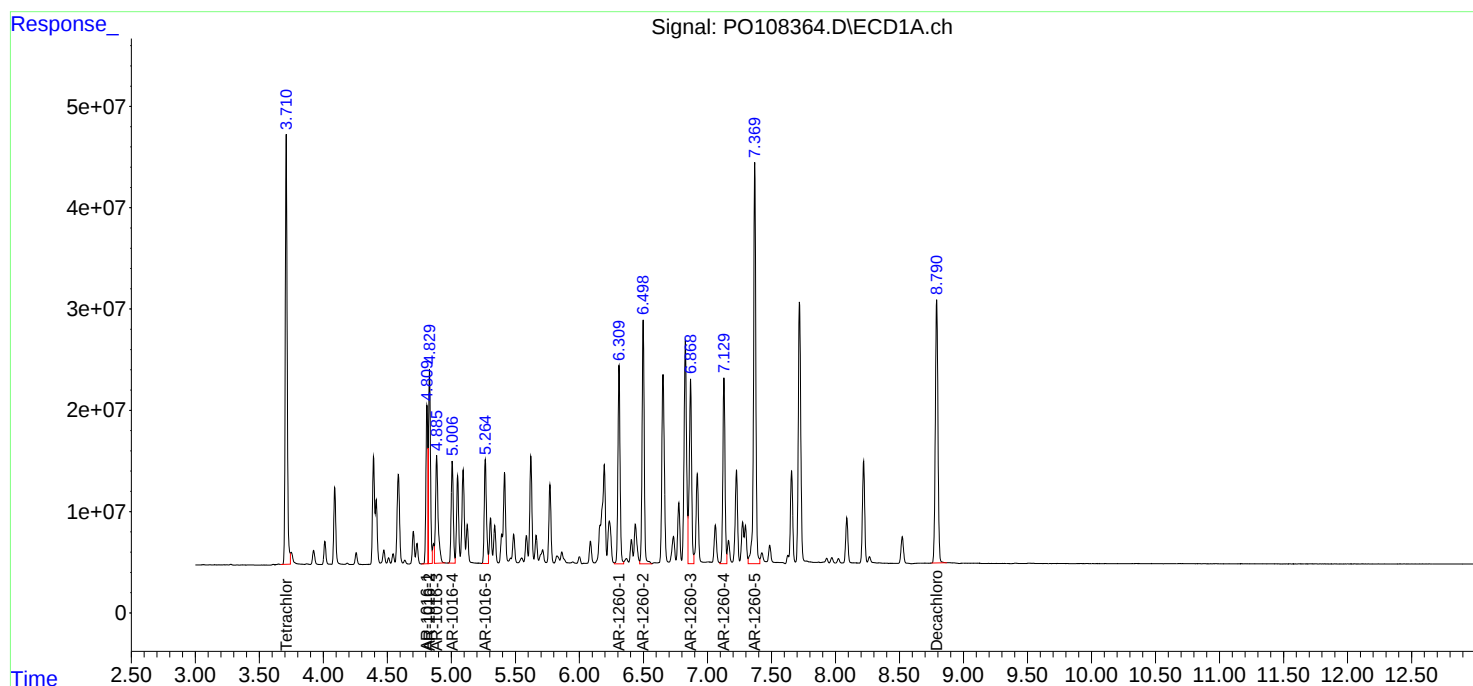
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108364.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:56  
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: Dec 07 01:47:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

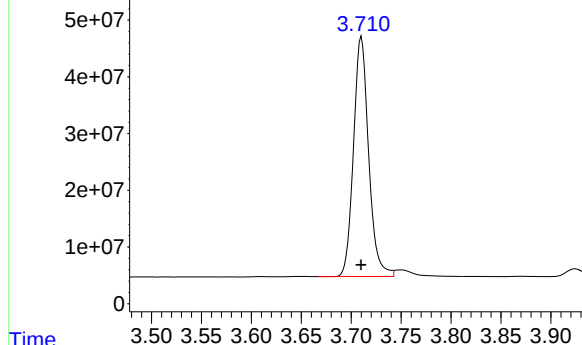


Response\_ Signal: PO108364.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 446322388  
Conc: 50.00 ng/ml

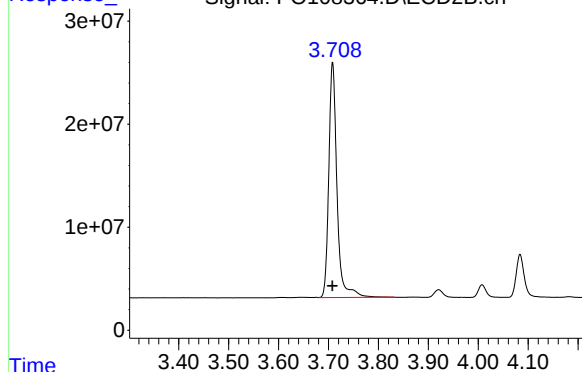
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



Time Response\_ Signal: PO108364.D\ECD2B.ch

#1 Tetrachloro-m-xylene

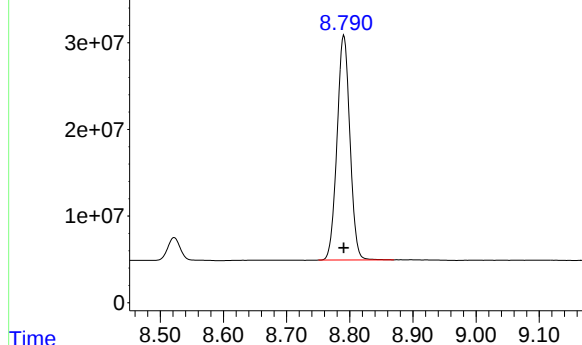
R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 261388959  
Conc: 50.00 ng/ml



Time Response\_ Signal: PO108364.D\ECD1A.ch

#2 Decachlorobiphenyl

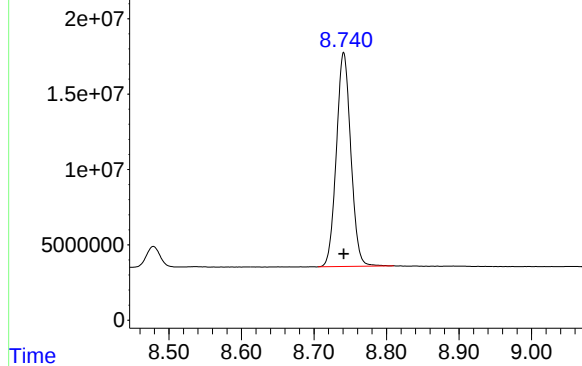
R.T.: 8.791 min  
Delta R.T.: 0.000 min  
Response: 367159762  
Conc: 50.00 ng/ml



Time Response\_ Signal: PO108364.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 196282359  
Conc: 50.00 ng/ml

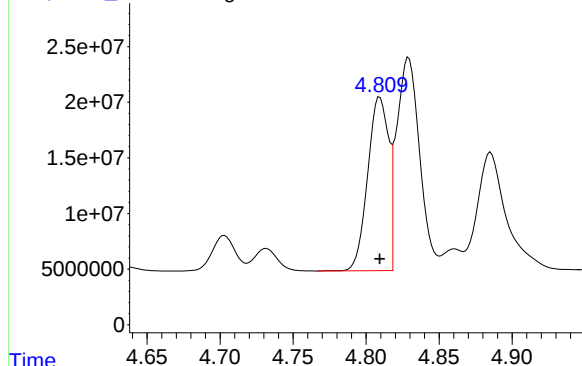


Response\_ Signal: PO108364.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.809 min  
Delta R.T.: 0.000 min  
Response: 155310332  
Conc: 500.00 ng/ml

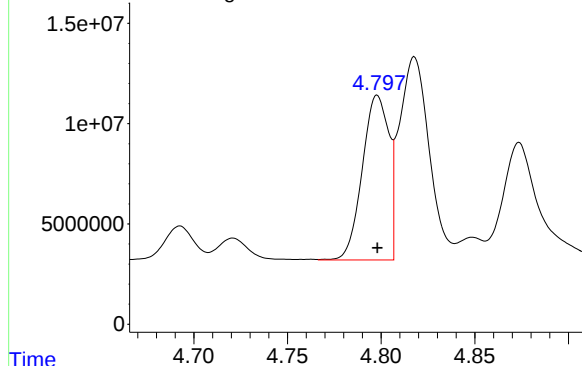
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



Time Response\_ Signal: PO108364.D\ECD2B.ch

#3 AR-1016-1

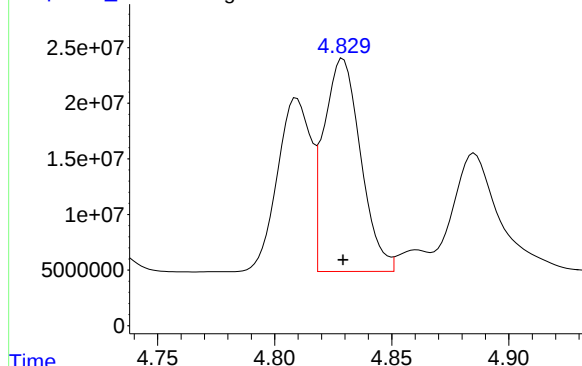
R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 80990528  
Conc: 500.00 ng/ml



Time Response\_ Signal: PO108364.D\ECD1A.ch

#4 AR-1016-2

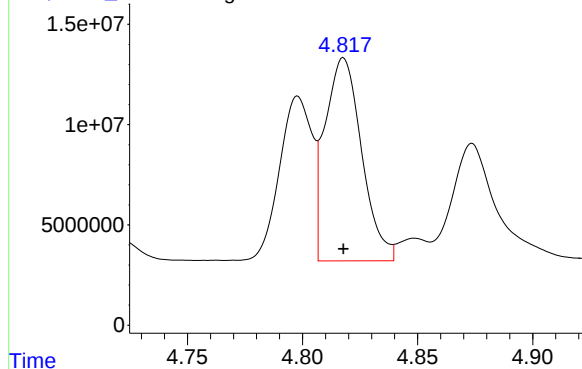
R.T.: 4.829 min  
Delta R.T.: 0.000 min  
Response: 209543079  
Conc: 500.00 ng/ml



Time Response\_ Signal: PO108364.D\ECD2B.ch

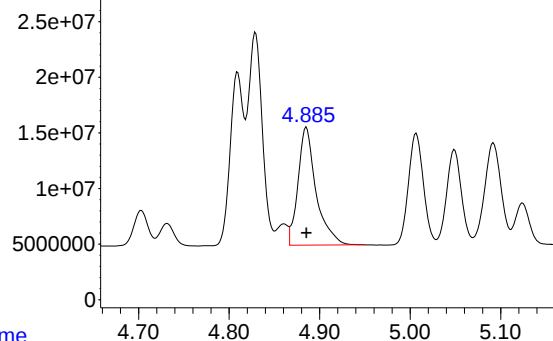
#4 AR-1016-2

R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 112364177  
Conc: 500.00 ng/ml



Response\_ Signal: PO108364.D\ECD1A.ch

#5 AR-1016-3

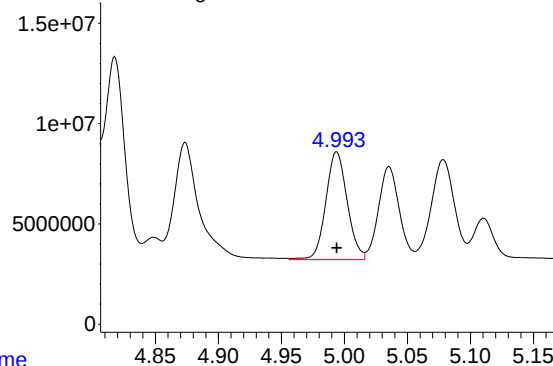


R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 147607384  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500

Time Response\_ Signal: PO108364.D\ECD2B.ch

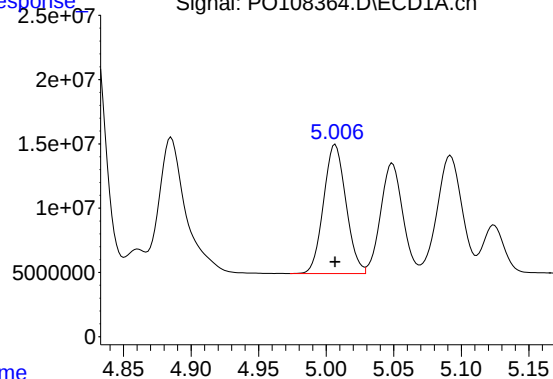
#5 AR-1016-3



R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 63492232  
Conc: 500.00 ng/ml

Time Response\_ Signal: PO108364.D\ECD1A.ch

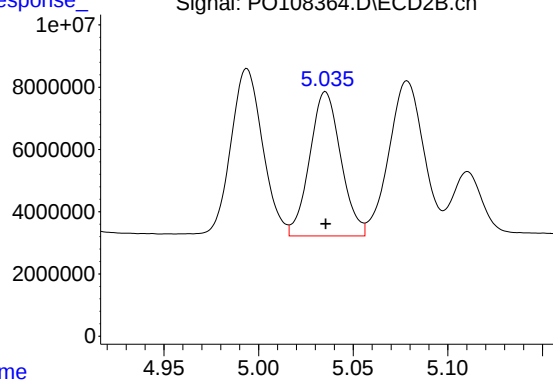
#6 AR-1016-4



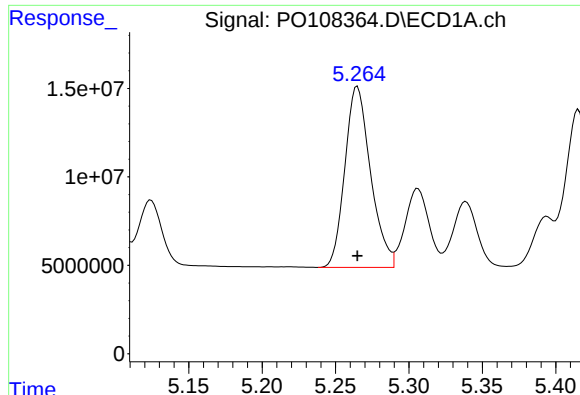
R.T.: 5.007 min  
Delta R.T.: 0.000 min  
Response: 115977552  
Conc: 500.00 ng/ml

Time Response\_ Signal: PO108364.D\ECD2B.ch

#6 AR-1016-4



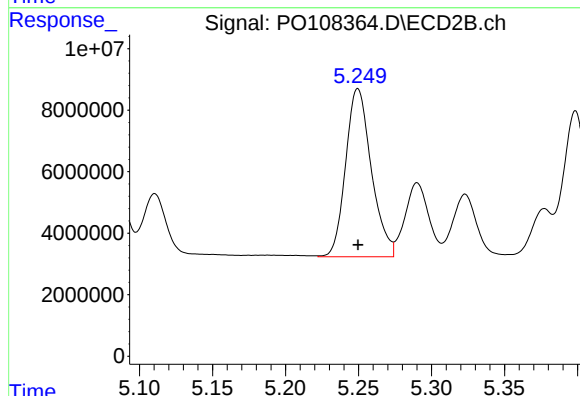
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 53032580  
Conc: 500.00 ng/ml



#7 AR-1016-5

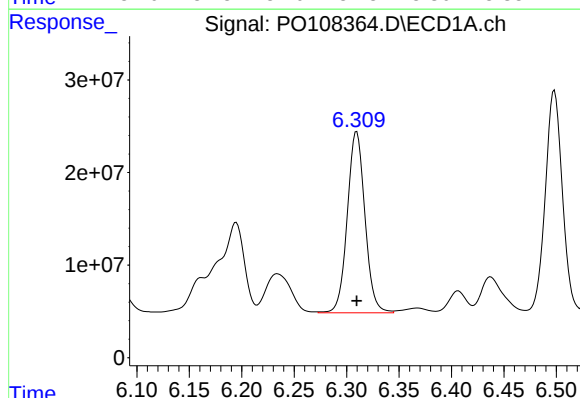
R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 124638361  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500



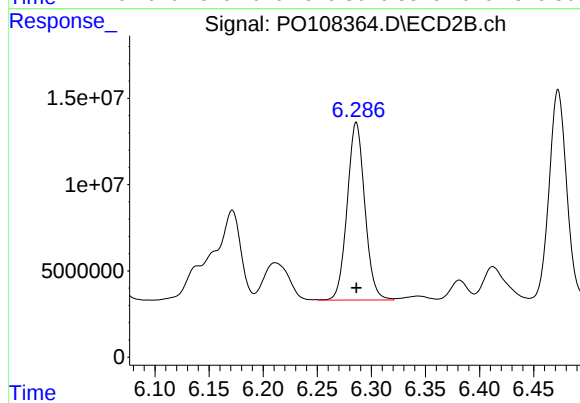
#7 AR-1016-5

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 66959983  
Conc: 500.00 ng/ml



#31 AR-1260-1

R.T.: 6.310 min  
Delta R.T.: 0.000 min  
Response: 229075152  
Conc: 500.00 ng/ml



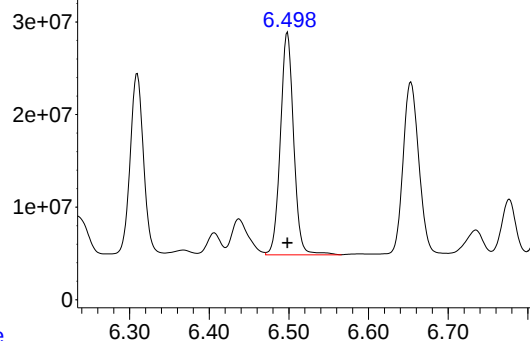
#31 AR-1260-1

R.T.: 6.286 min  
Delta R.T.: 0.000 min  
Response: 116686126  
Conc: 500.00 ng/ml

Response\_

Signal: PO108364.D\ECD1A.ch

#32 AR-1260-2



R.T.: 6.498 min  
Delta R.T.: 0.000 min  
Response: 277882316  
Conc: 500.00 ng/ml

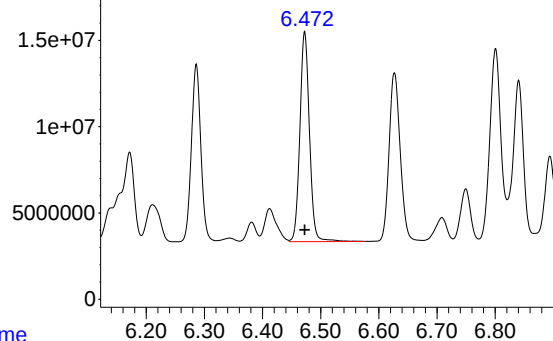
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500

Time

Response\_

Signal: PO108364.D\ECD2B.ch

#32 AR-1260-2



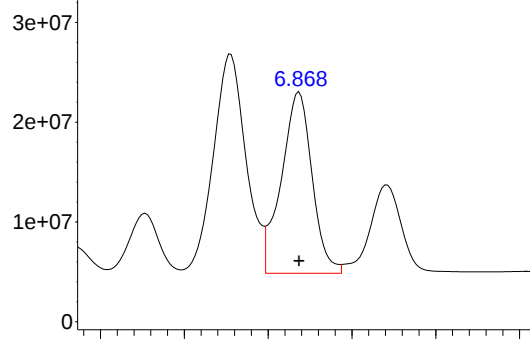
R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 139418224  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108364.D\ECD1A.ch

#33 AR-1260-3



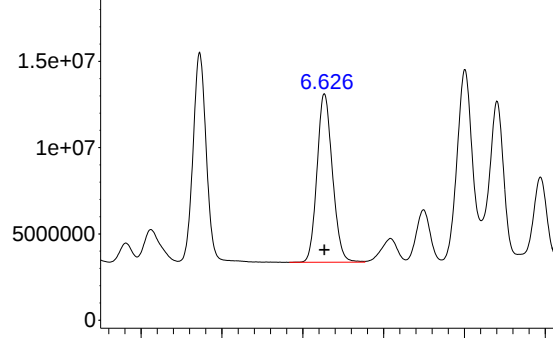
R.T.: 6.869 min  
Delta R.T.: 0.000 min  
Response: 232092196  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108364.D\ECD2B.ch

#33 AR-1260-3

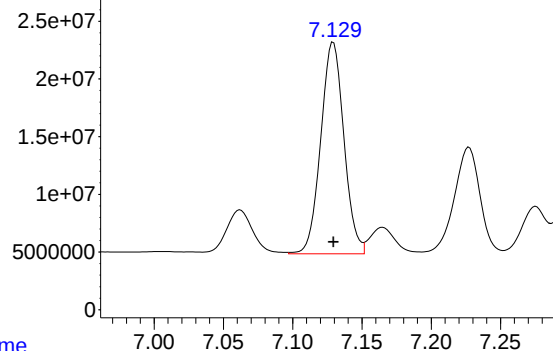


R.T.: 6.627 min  
Delta R.T.: 0.000 min  
Response: 129492754  
Conc: 500.00 ng/ml

Time

Response\_ Signal: PO108364.D\ECD1A.ch

#34 AR-1260-4

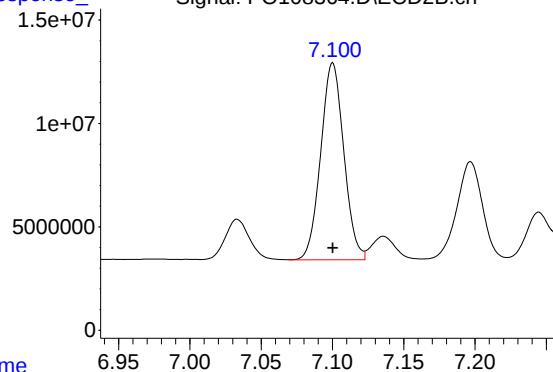


R.T.: 7.129 min  
Delta R.T.: 0.000 min  
Response: 213236445  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500

Time Response\_ Signal: PO108364.D\ECD2B.ch

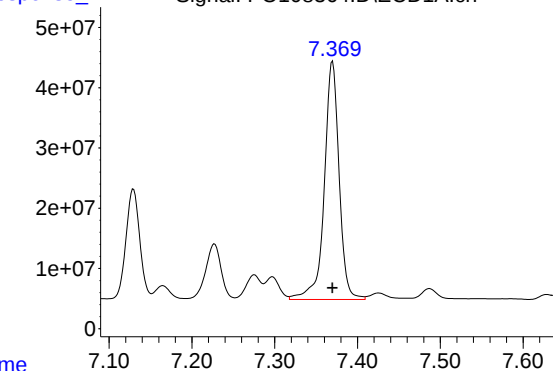
#34 AR-1260-4



R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 107403564  
Conc: 500.00 ng/ml

Time Response\_ Signal: PO108364.D\ECD1A.ch

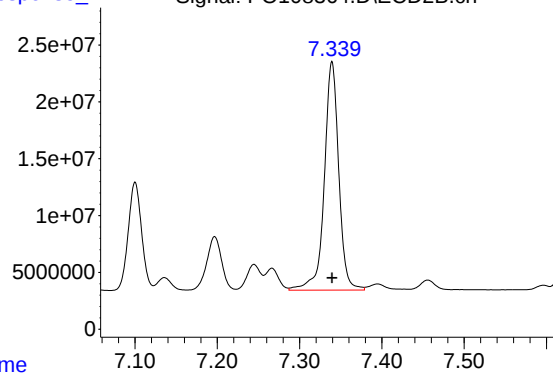
#35 AR-1260-5



R.T.: 7.370 min  
Delta R.T.: 0.000 min  
Response: 492324975  
Conc: 500.00 ng/ml

Time Response\_ Signal: PO108364.D\ECD2B.ch

#35 AR-1260-5



R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 245565208  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108365.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:14  
Operator : YP/AJ  
Sample : AR1660ICC250  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:47:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 221.5E6  | 130.9E6  | 24.809  | 25.036  |
| 2) SA Decachlor...          | 8.790 | 8.741 | 191.1E6  | 102.0E6  | 26.028  | 25.989  |
| Target Compounds            |       |       |          |          |         |         |
| 3) L1 AR-1016-1             | 4.809 | 4.798 | 79907241 | 42268491 | 257.250 | 260.947 |
| 4) L1 AR-1016-2             | 4.829 | 4.818 | 108.6E6  | 58166214 | 259.077 | 258.829 |
| 5) L1 AR-1016-3             | 4.885 | 4.994 | 76251356 | 32915150 | 258.291 | 259.206 |
| 6) L1 AR-1016-4             | 5.007 | 5.035 | 59812050 | 28030962 | 257.860 | 264.281 |
| 7) L1 AR-1016-5             | 5.265 | 5.250 | 65075662 | 34868341 | 261.058 | 260.367 |
| 31) L7 AR-1260-1            | 6.309 | 6.286 | 121.7E6  | 61811427 | 265.741 | 264.862 |
| 32) L7 AR-1260-2            | 6.497 | 6.473 | 147.7E6  | 72791257 | 265.819 | 261.054 |
| 33) L7 AR-1260-3            | 6.868 | 6.627 | 121.9E6  | 67759112 | 262.605 | 261.633 |
| 34) L7 AR-1260-4            | 7.129 | 7.100 | 111.1E6  | 55461769 | 260.450 | 258.193 |
| 35) L7 AR-1260-5            | 7.370 | 7.339 | 250.1E6  | 124.7E6  | 254.042 | 253.929 |
| -----                       |       |       |          |          |         |         |

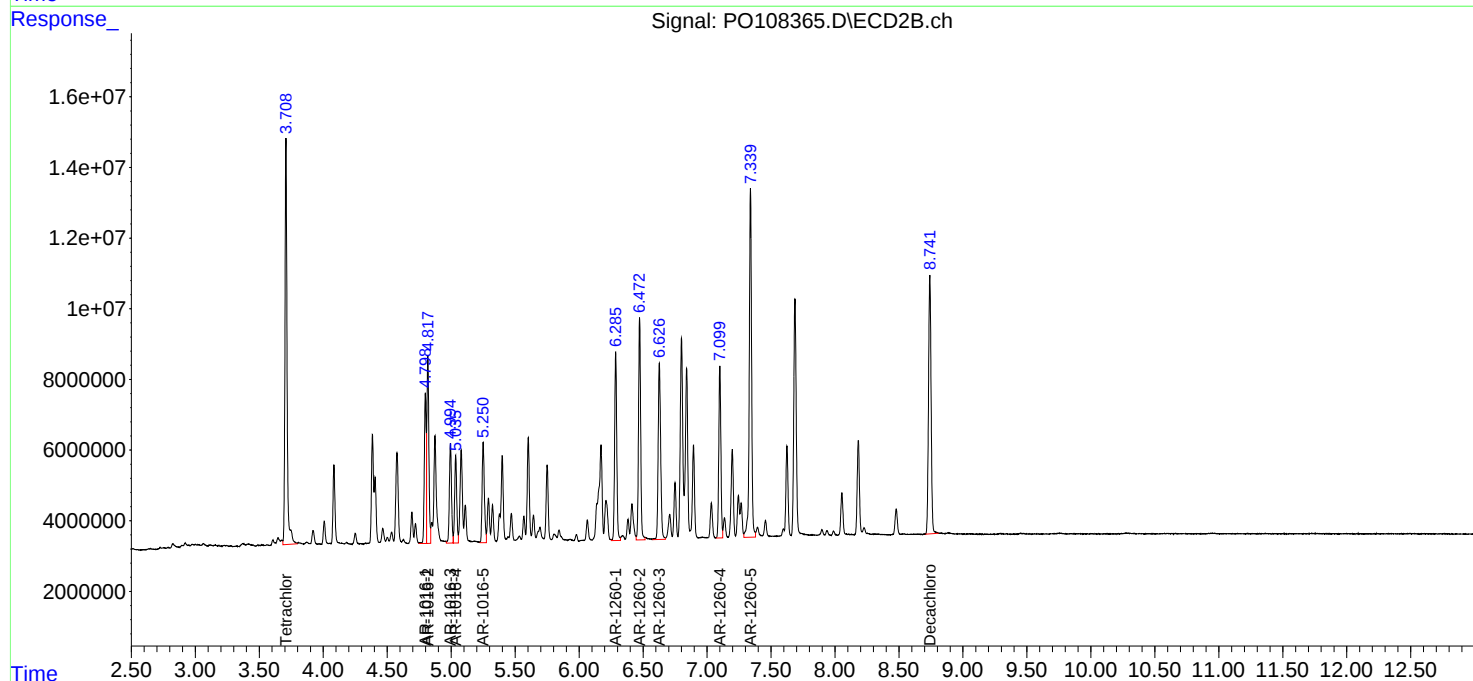
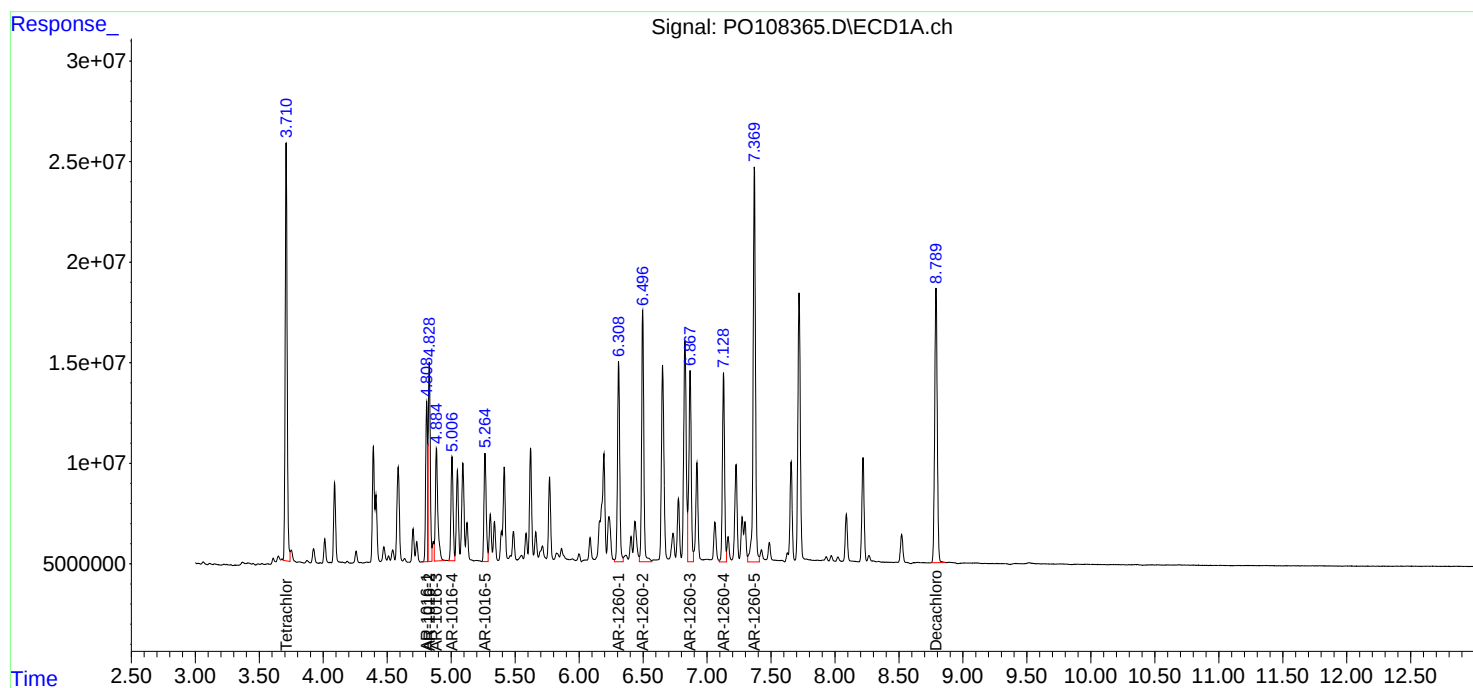
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

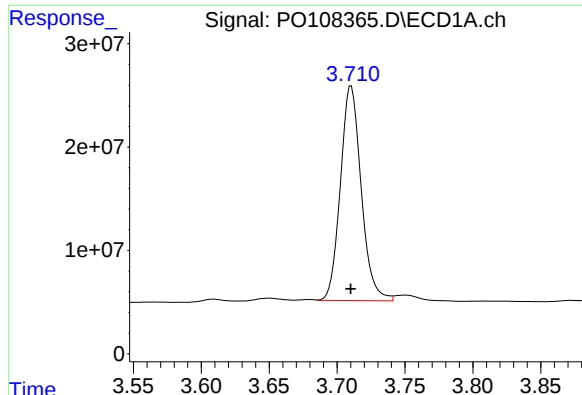
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108365.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:14  
Operator : YP/AJ  
Sample : AR1660ICC250  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:47:29 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

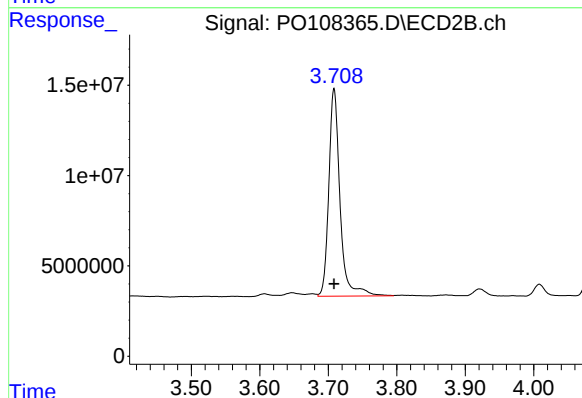




## #1 Tetrachloro-m-xylene

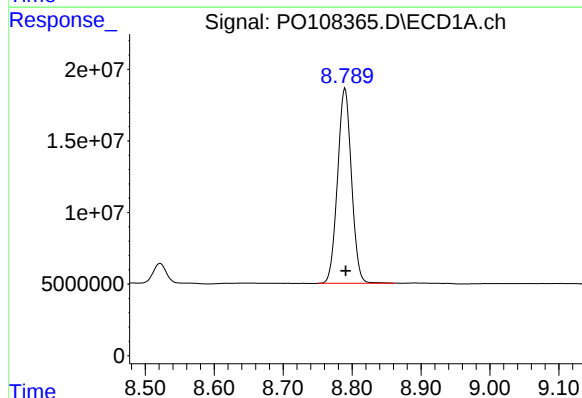
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 221458828  
Conc: 24.81 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250



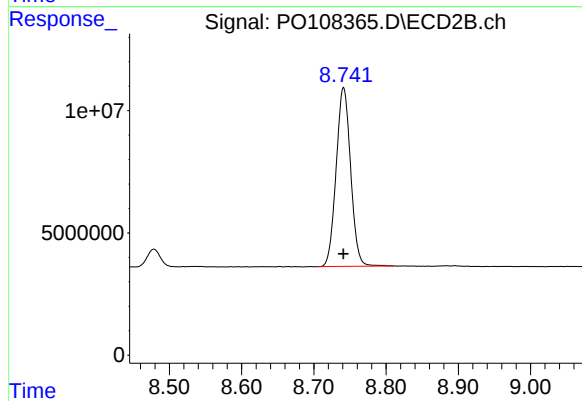
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 130880504  
Conc: 25.04 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.790 min  
Delta R.T.: 0.000 min  
Response: 191127530  
Conc: 26.03 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 102025127  
Conc: 25.99 ng/ml

Response\_

Signal: PO108365.D\ECD1A.ch

#3 AR-1016-1

R.T.: 4.809 min

Delta R.T.: 0.000 min

Response: 79907241

Conc: 257.25 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1660ICC250

1.5e+07

4.809

1e+07

5000000

0

4.70 4.75 4.80 4.85 4.90

Time

Response\_

Signal: PO108365.D\ECD2B.ch

#3 AR-1016-1

R.T.: 4.798 min

Delta R.T.: 0.000 min

Response: 42268491

Conc: 260.95 ng/ml

1e+07

4.798

8000000

6000000

4000000

2000000

4.65 4.70 4.75 4.80 4.85 4.90

Time

Response\_

Signal: PO108365.D\ECD1A.ch

#4 AR-1016-2

R.T.: 4.829 min

Delta R.T.: 0.000 min

Response: 108575682

Conc: 259.08 ng/ml

1.5e+07

4.828

1e+07

5000000

0

4.75 4.80 4.85 4.90

Time

Response\_

Signal: PO108365.D\ECD2B.ch

#4 AR-1016-2

R.T.: 4.818 min

Delta R.T.: 0.000 min

Response: 58166214

Conc: 258.83 ng/ml

1e+07

4.817

8000000

6000000

4000000

2000000

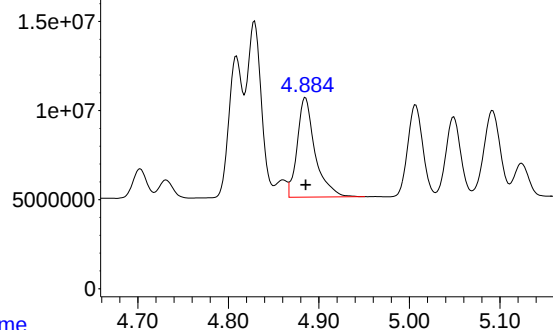
4.75 4.80 4.85 4.90

Time

Response\_

Signal: PO108365.D\ECD1A.ch

#5 AR-1016-3



R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 76251356  
Conc: 258.29 ng/ml

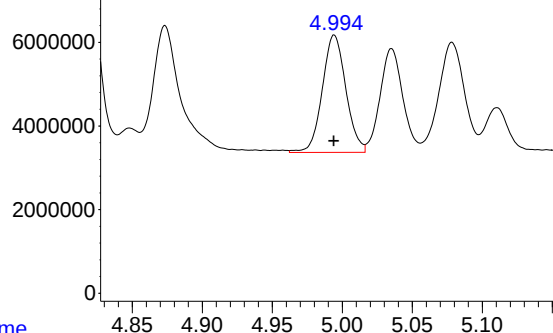
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

Time

Response\_

Signal: PO108365.D\ECD2B.ch

#5 AR-1016-3



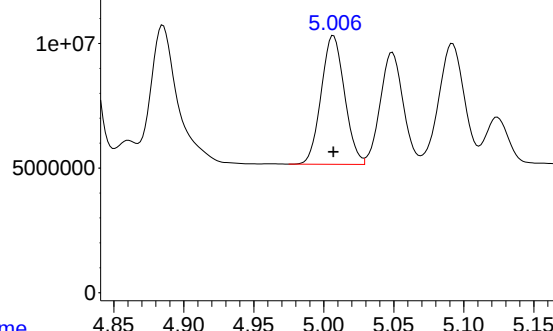
R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 32915150  
Conc: 259.21 ng/ml

Time

Response\_

Signal: PO108365.D\ECD1A.ch

#6 AR-1016-4



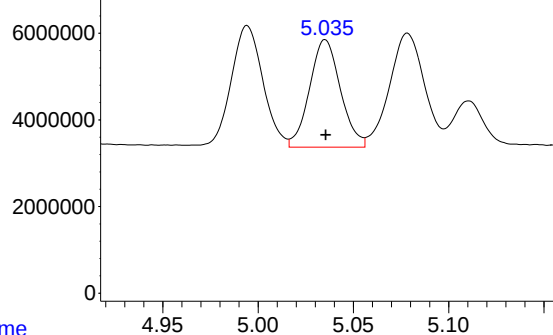
R.T.: 5.007 min  
Delta R.T.: 0.000 min  
Response: 59812050  
Conc: 257.86 ng/ml

Time

Response\_

Signal: PO108365.D\ECD2B.ch

#6 AR-1016-4



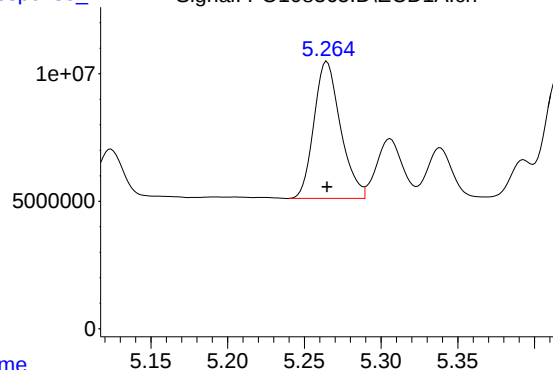
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 28030962  
Conc: 264.28 ng/ml

Time

Response\_

Signal: PO108365.D\ECD1A.ch

#7 AR-1016-5



R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 65075662  
Conc: 261.06 ng/ml

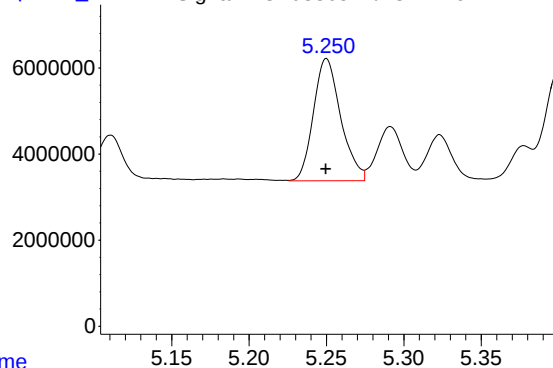
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

Time

Response\_

Signal: PO108365.D\ECD2B.ch

#7 AR-1016-5



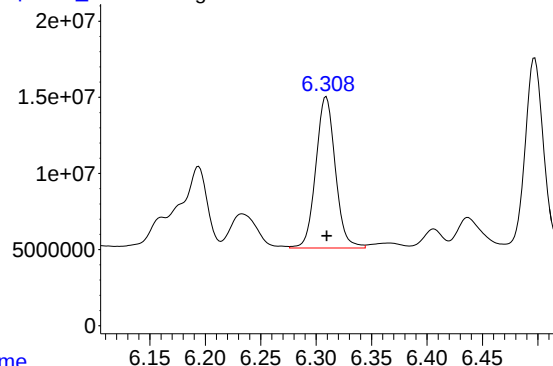
R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 34868341  
Conc: 260.37 ng/ml

Time

Response\_

Signal: PO108365.D\ECD1A.ch

#31 AR-1260-1



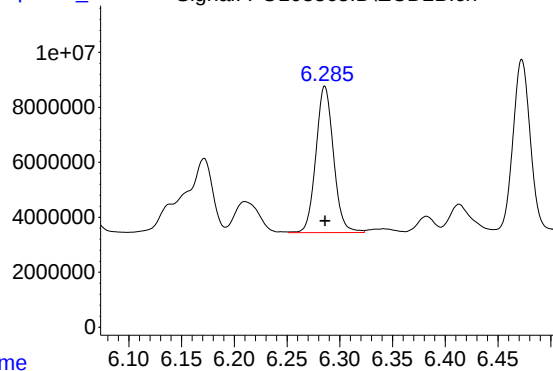
R.T.: 6.309 min  
Delta R.T.: 0.000 min  
Response: 121749161  
Conc: 265.74 ng/ml

Time

Response\_

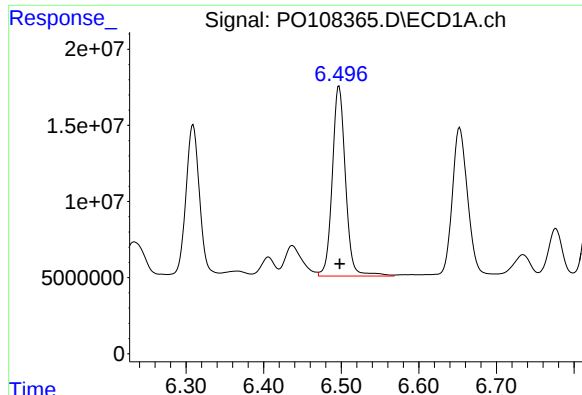
Signal: PO108365.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.286 min  
Delta R.T.: 0.000 min  
Response: 61811427  
Conc: 264.86 ng/ml

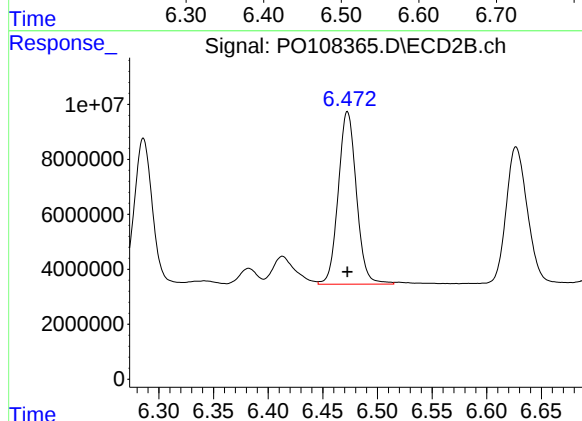
Time



#32 AR-1260-2

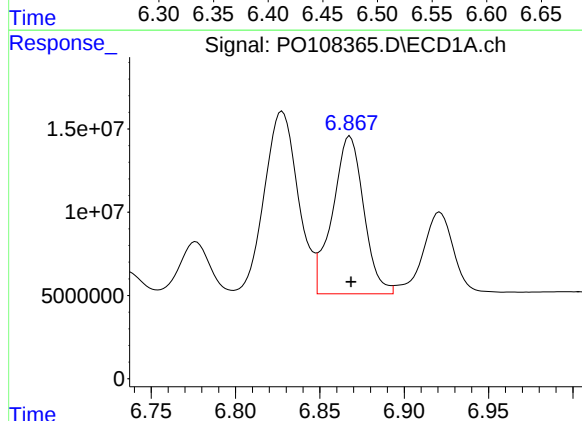
R.T.: 6.497 min  
Delta R.T.: -0.001 min  
Response: 147732990  
Conc: 265.82 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250



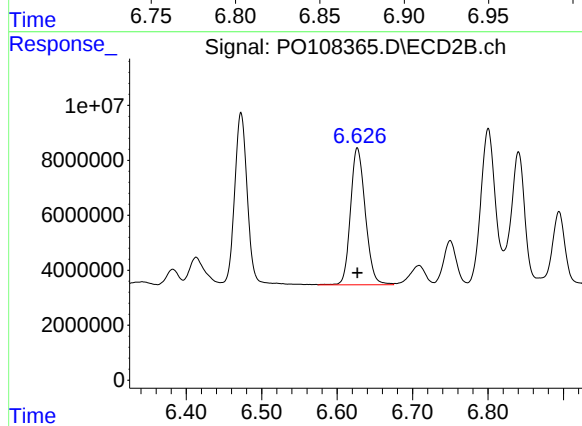
#32 AR-1260-2

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 72791257  
Conc: 261.05 ng/ml



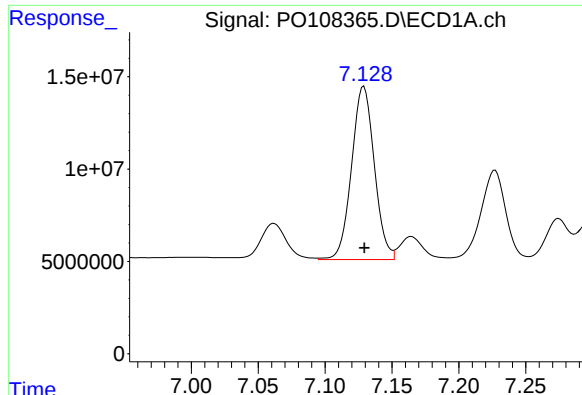
#33 AR-1260-3

R.T.: 6.868 min  
Delta R.T.: 0.000 min  
Response: 121897214  
Conc: 262.61 ng/ml



#33 AR-1260-3

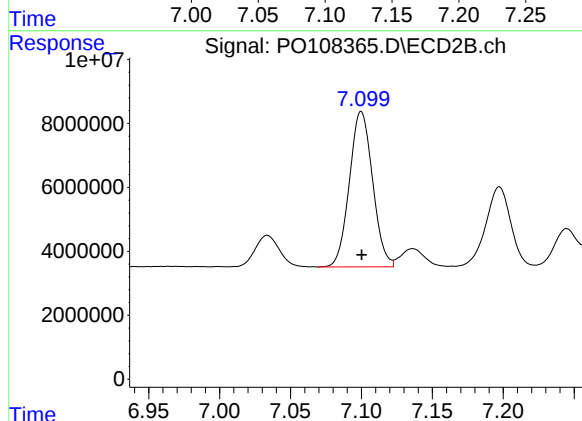
R.T.: 6.627 min  
Delta R.T.: 0.000 min  
Response: 67759112  
Conc: 261.63 ng/ml



#34 AR-1260-4

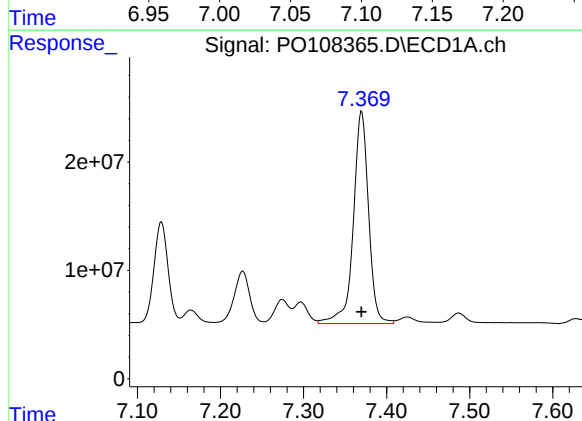
R.T.: 7.129 min  
Delta R.T.: 0.000 min  
Response: 111074974  
Conc: 260.45 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250



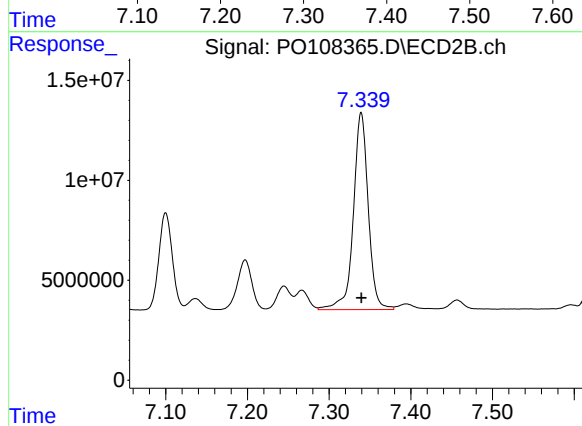
#34 AR-1260-4

R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 55461769  
Conc: 258.19 ng/ml



#35 AR-1260-5

R.T.: 7.370 min  
Delta R.T.: 0.000 min  
Response: 250142608  
Conc: 254.04 ng/ml



#35 AR-1260-5

R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 124712284  
Conc: 253.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
 Data File : PO108366.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Dec 2024 15:33  
 Operator : YP/AJ  
 Sample : AR1660ICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC050

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
 Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 07 01:47:52 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 01:45:35 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 40888009 | 23002425 | 4.581   | 4.400   |
| 2) SA Decachlor...          | 8.790 | 8.741 | 37049676 | 19012827 | 5.045   | 4.843   |
| Target Compounds            |       |       |          |          |         |         |
| 3) L1 AR-1016-1             | 4.809 | 4.797 | 16113835 | 8034641  | 51.876  | 49.602m |
| 4) L1 AR-1016-2             | 4.829 | 4.818 | 20947856 | 10912320 | 49.985  | 48.558m |
| 5) L1 AR-1016-3             | 4.885 | 4.993 | 15163571 | 6416767  | 51.365  | 50.532m |
| 6) L1 AR-1016-4             | 5.006 | 5.035 | 12059612 | 5413453  | 51.991  | 51.039m |
| 7) L1 AR-1016-5             | 5.265 | 5.249 | 13968228 | 7490988  | 56.035  | 55.936  |
| 31) L7 AR-1260-1            | 6.308 | 6.285 | 23754397 | 12215622 | 51.848m | 52.344m |
| 32) L7 AR-1260-2            | 6.497 | 6.472 | 28927929 | 14945142 | 52.051m | 53.598m |
| 33) L7 AR-1260-3            | 6.866 | 6.627 | 24288473 | 14459323 | 52.325m | 55.831  |
| 34) L7 AR-1260-4            | 7.128 | 7.100 | 22304325 | 10653055 | 52.300  | 49.594  |
| 35) L7 AR-1260-5            | 7.369 | 7.339 | 48077854 | 23055032 | 48.827  | 46.943  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108366.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:33  
Operator : YP/AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

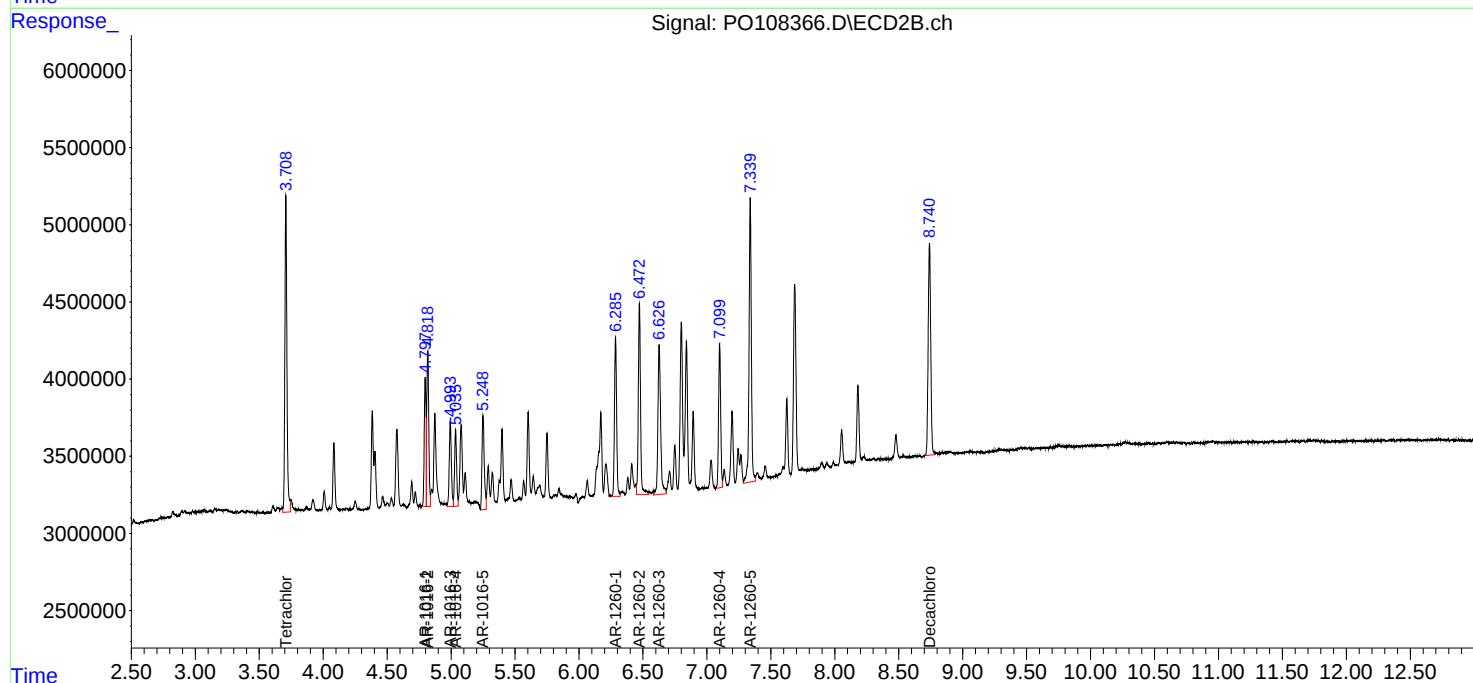
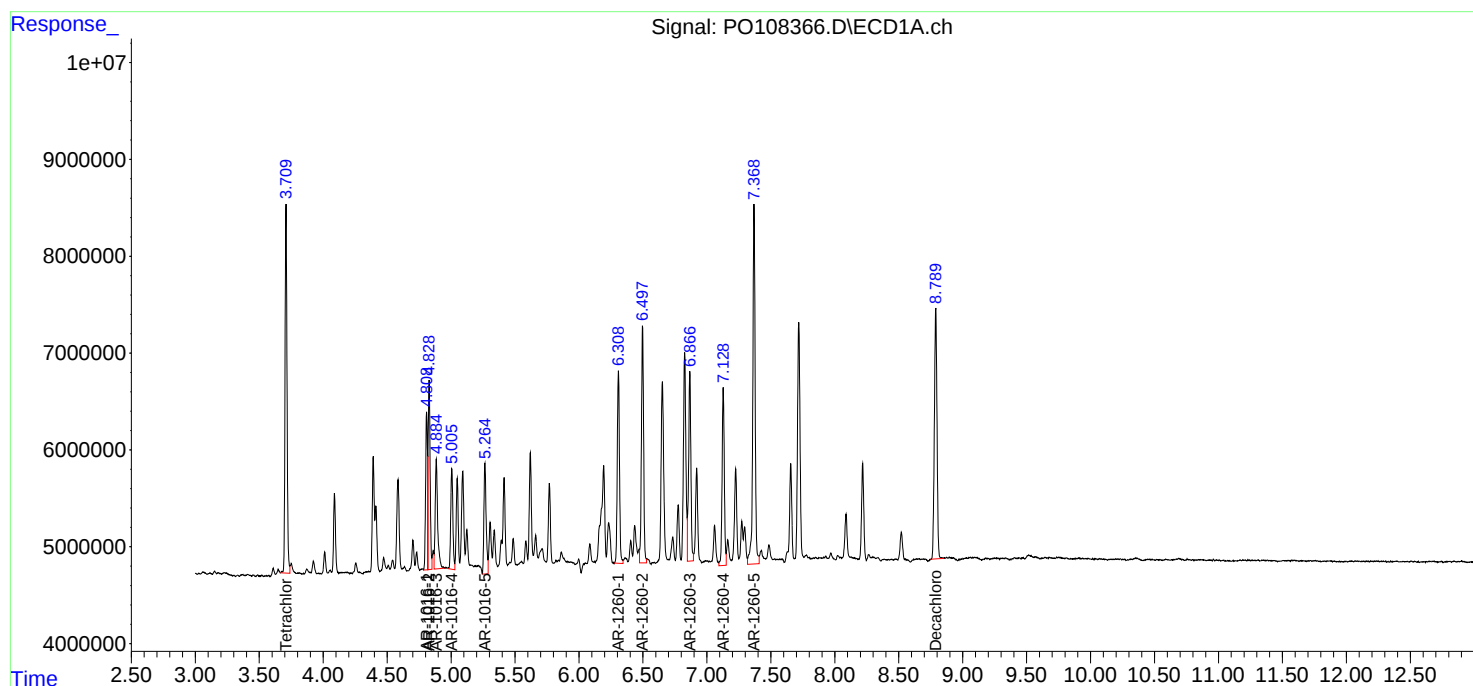
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

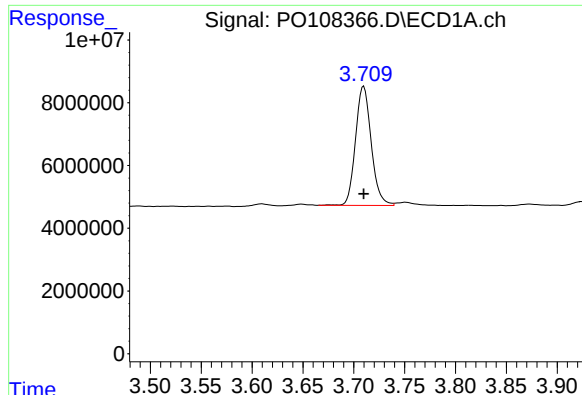
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:47:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





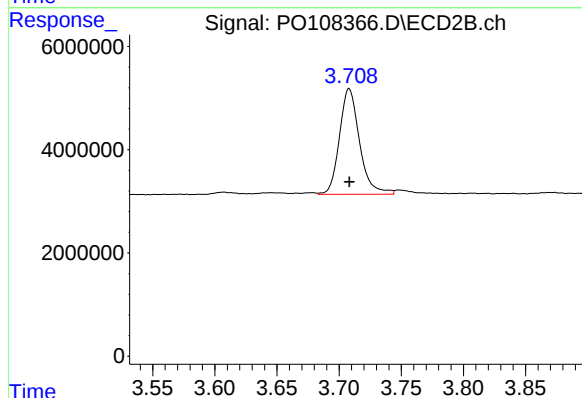
## #1 Tetrachloro-m-xylene

R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 40888009  
Conc: 4.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

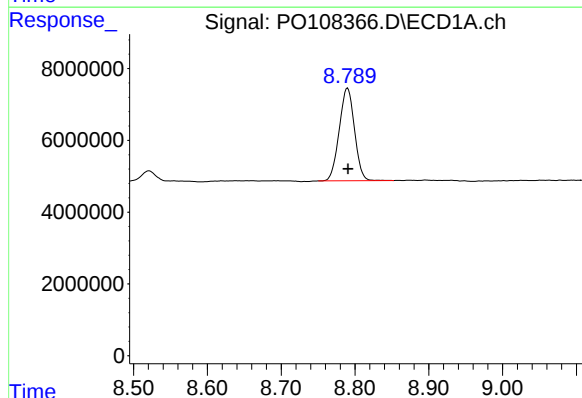
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



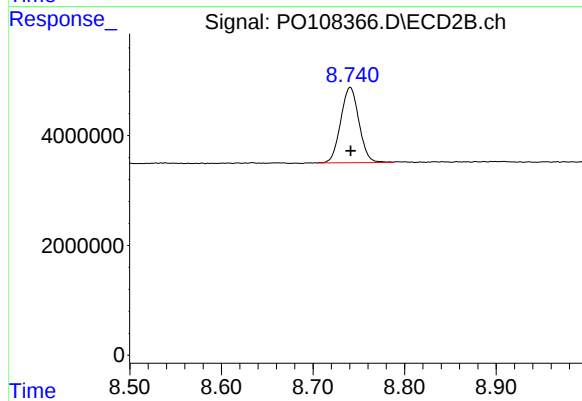
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 23002425  
Conc: 4.40 ng/ml



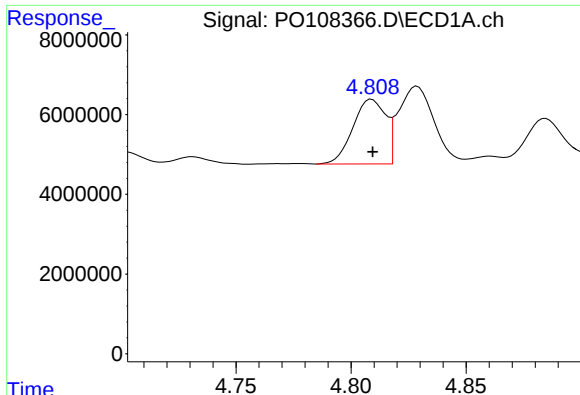
## #2 Decachlorobiphenyl

R.T.: 8.790 min  
Delta R.T.: 0.000 min  
Response: 37049676  
Conc: 5.05 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 19012827  
Conc: 4.84 ng/ml



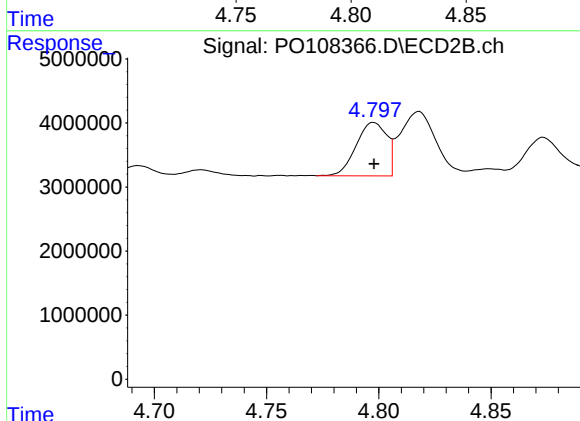
#3 AR-1016-1

R.T.: 4.809 min  
Delta R.T.: 0.000 min  
Response: 16113835  
Conc: 51.88 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

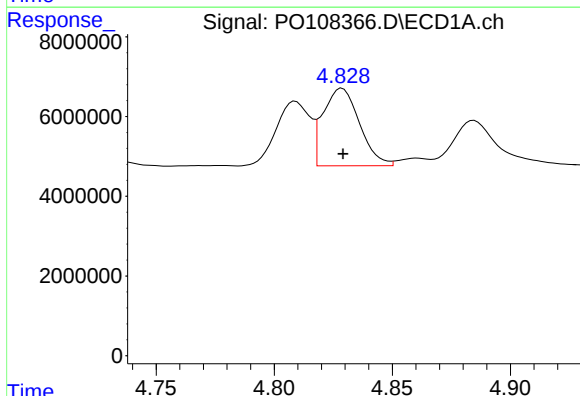
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



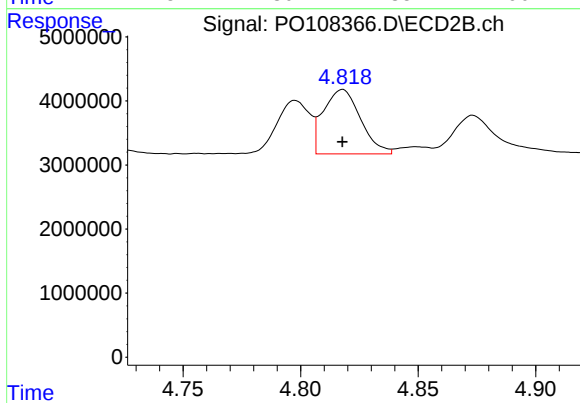
#3 AR-1016-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 8034641  
Conc: 49.60 ng/ml m



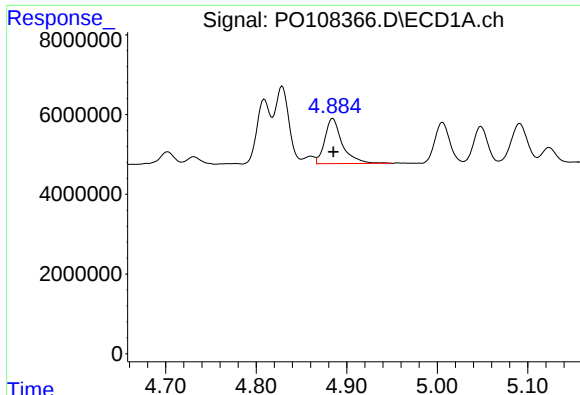
#4 AR-1016-2

R.T.: 4.829 min  
Delta R.T.: 0.000 min  
Response: 20947856  
Conc: 49.98 ng/ml



#4 AR-1016-2

R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 10912320  
Conc: 48.56 ng/ml m



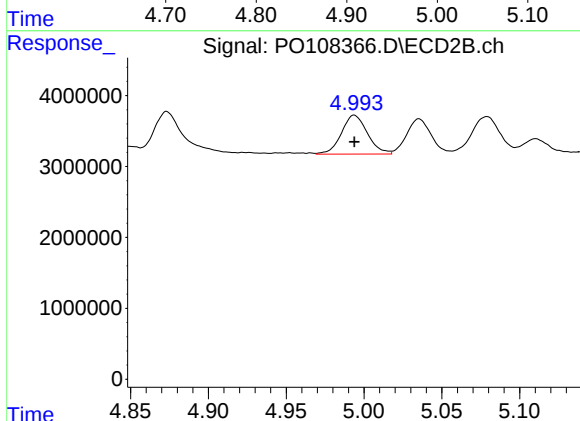
#5 AR-1016-3

R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 15163571  
Conc: 51.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

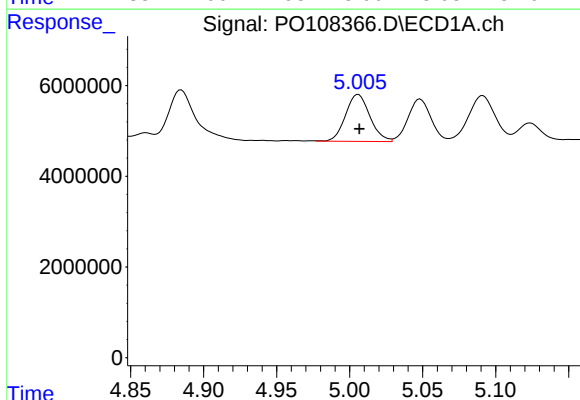
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



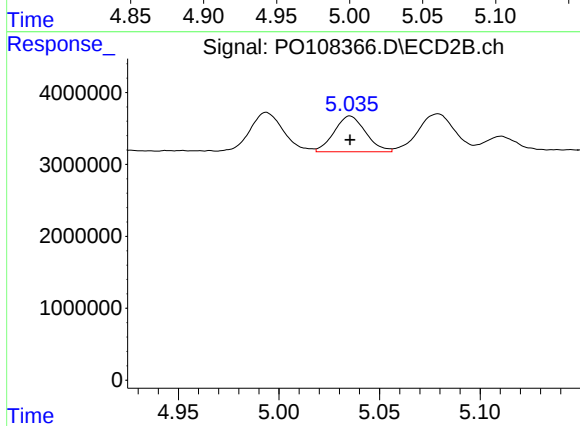
#5 AR-1016-3

R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 6416767  
Conc: 50.53 ng/ml m



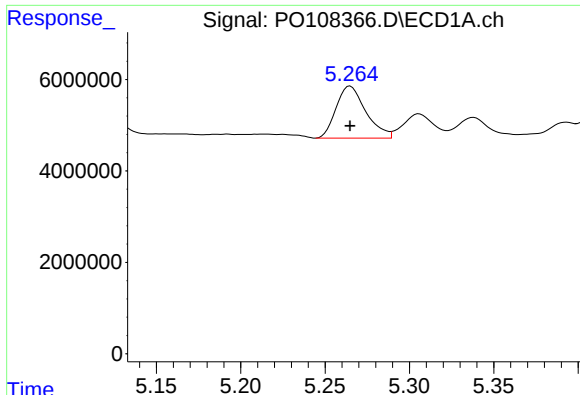
#6 AR-1016-4

R.T.: 5.006 min  
Delta R.T.: 0.000 min  
Response: 12059612  
Conc: 51.99 ng/ml



#6 AR-1016-4

R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 5413453  
Conc: 51.04 ng/ml m



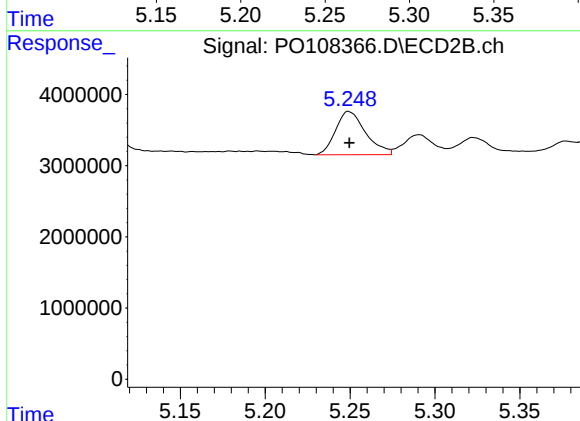
#7 AR-1016-5

R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 13968228  
Conc: 56.04 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

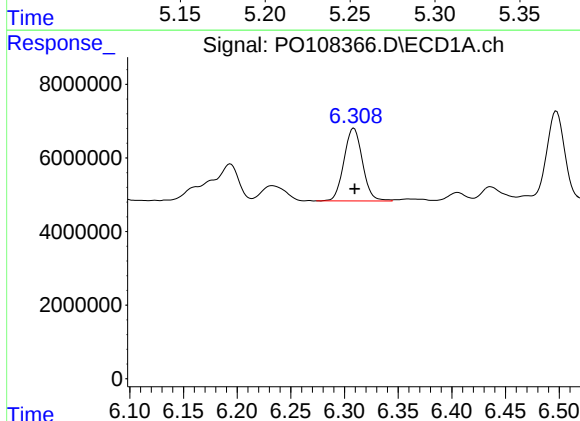
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



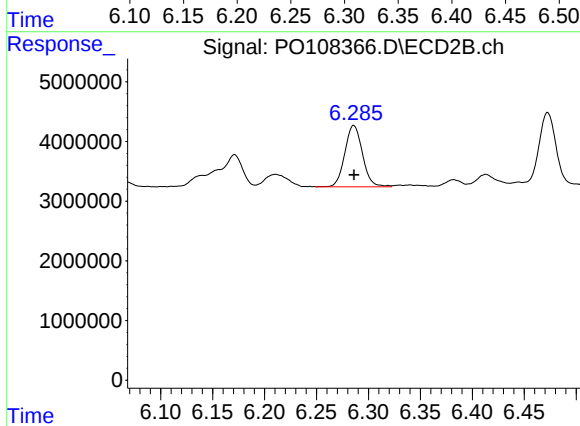
#7 AR-1016-5

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 7490988  
Conc: 55.94 ng/ml



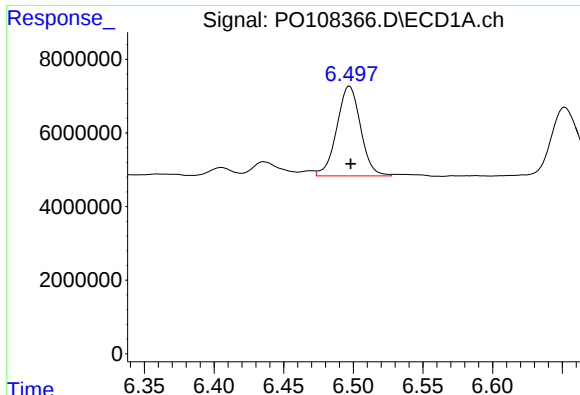
#31 AR-1260-1

R.T.: 6.308 min  
Delta R.T.: -0.002 min  
Response: 23754397  
Conc: 51.85 ng/ml m



#31 AR-1260-1

R.T.: 6.285 min  
Delta R.T.: 0.000 min  
Response: 12215622  
Conc: 52.34 ng/ml m



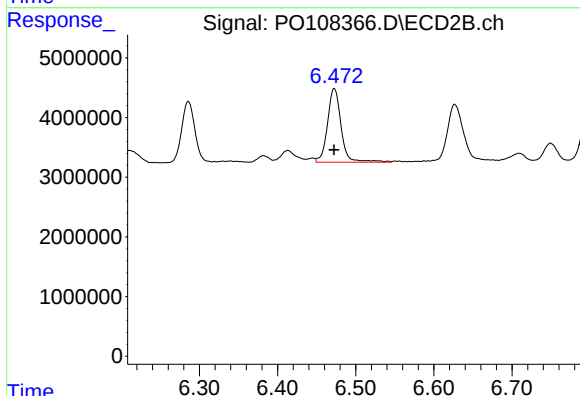
#32 AR-1260-2

R.T.: 6.497 min  
Delta R.T.: -0.001 min  
Response: 28927929  
Conc: 52.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

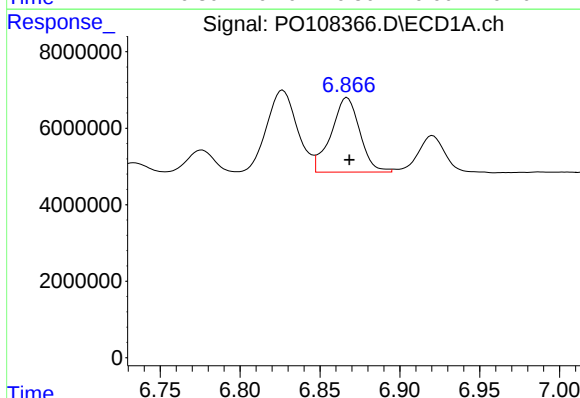
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



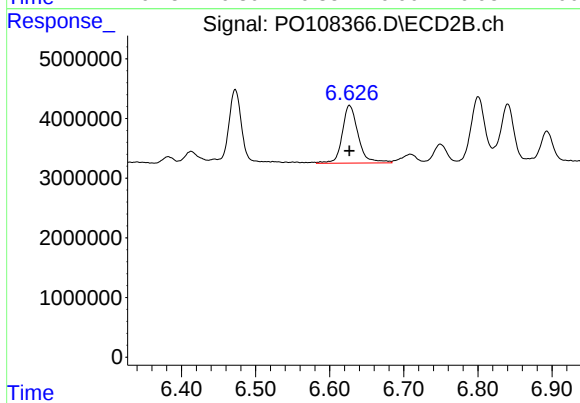
#32 AR-1260-2

R.T.: 6.472 min  
Delta R.T.: 0.000 min  
Response: 14945142  
Conc: 53.60 ng/ml m



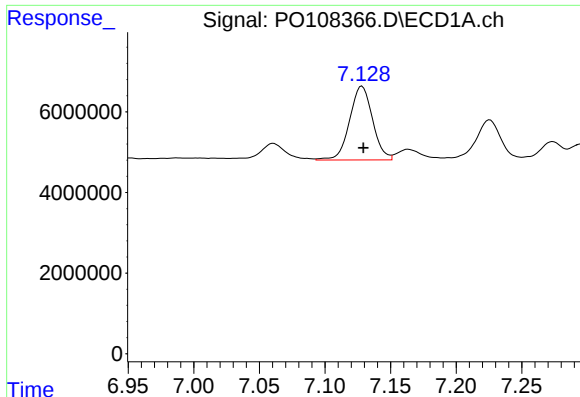
#33 AR-1260-3

R.T.: 6.866 min  
Delta R.T.: -0.002 min  
Response: 24288473  
Conc: 52.33 ng/ml m



#33 AR-1260-3

R.T.: 6.627 min  
Delta R.T.: 0.000 min  
Response: 14459323  
Conc: 55.83 ng/ml



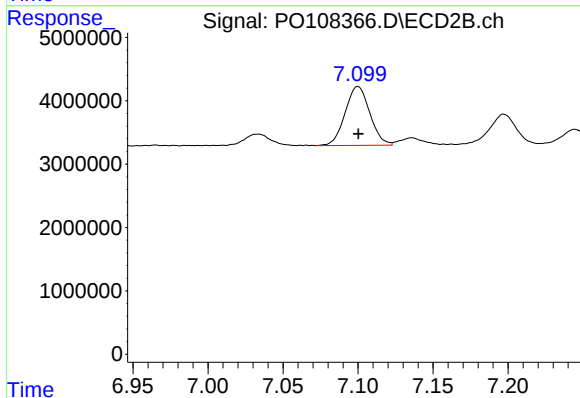
#34 AR-1260-4

R.T.: 7.128 min  
Delta R.T.: -0.001 min  
Response: 22304325  
Conc: 52.30 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

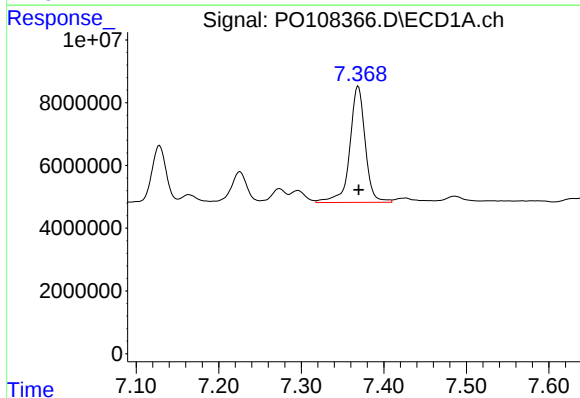
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



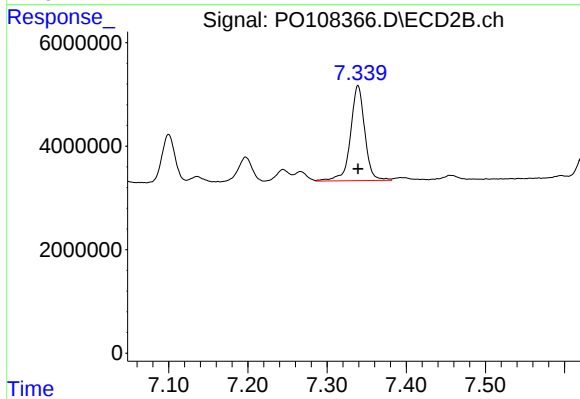
#34 AR-1260-4

R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 10653055  
Conc: 49.59 ng/ml



#35 AR-1260-5

R.T.: 7.369 min  
Delta R.T.: 0.000 min  
Response: 48077854  
Conc: 48.83 ng/ml



#35 AR-1260-5

R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 23055032  
Conc: 46.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108367.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:51  
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: Dec 07 02:45:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 02:44:32 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 457.2E6  | 254.8E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.788 | 8.741 | 384.3E6  | 206.2E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 8) L2 AR-1221-1             | 3.925 | 3.922 | 56571909 | 31061265 | 500.000 | 500.000 |
| 9) L2 AR-1221-2             | 4.012 | 4.007 | 43360161 | 23722482 | 500.000 | 500.000 |
| 10) L2 AR-1221-3            | 4.089 | 4.084 | 127.1E6  | 70293463 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

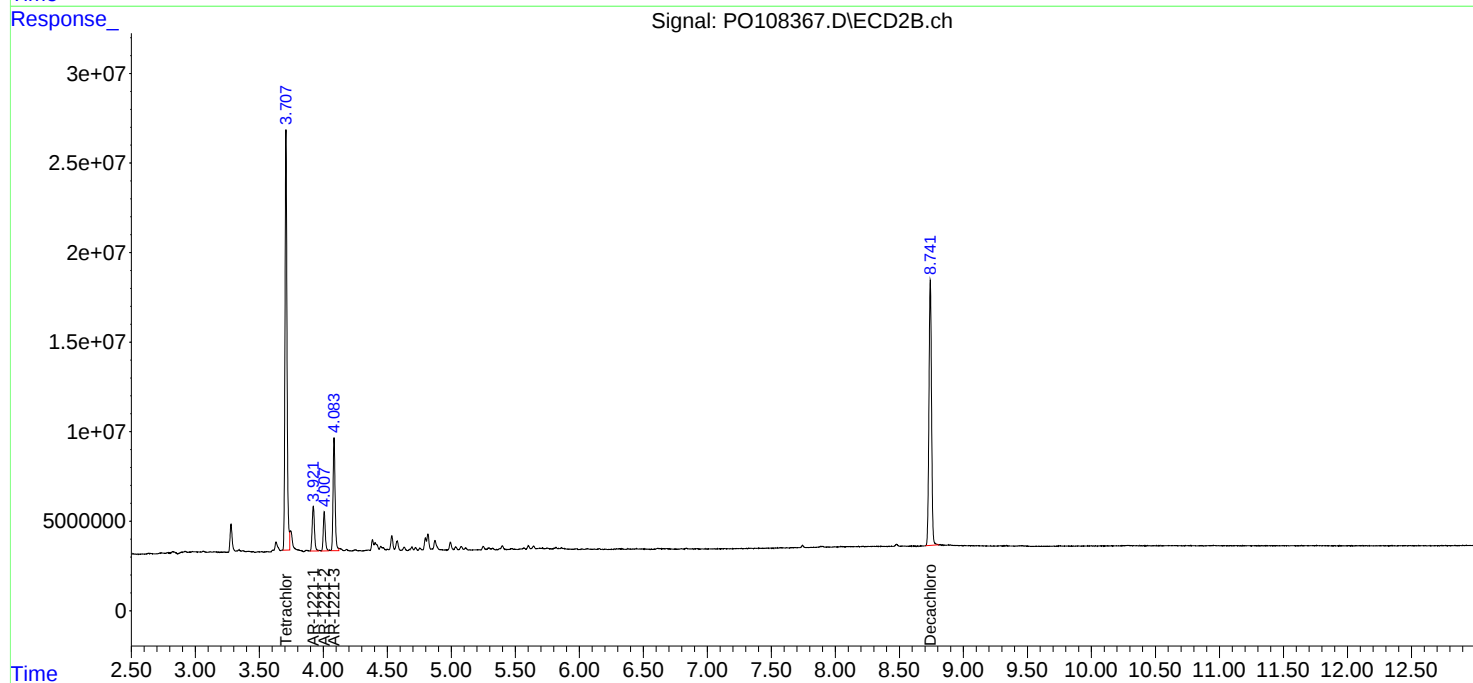
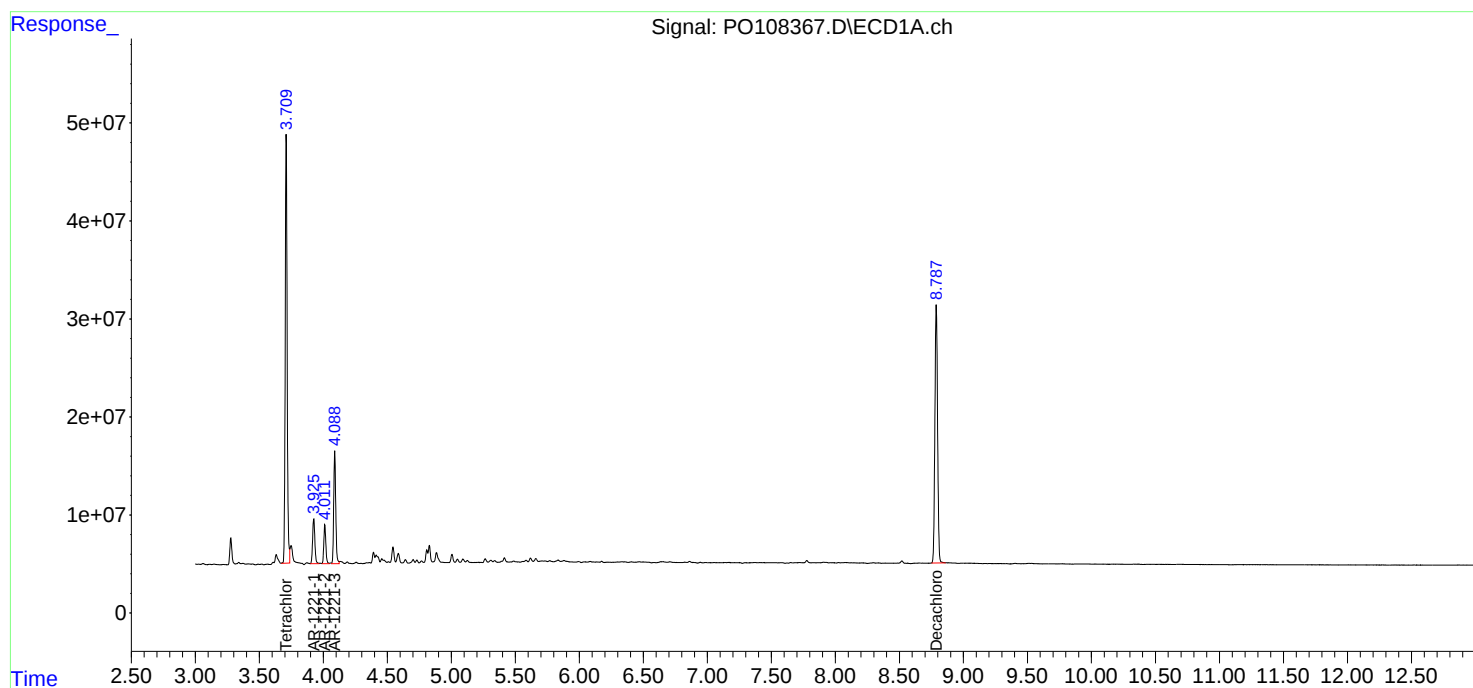
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

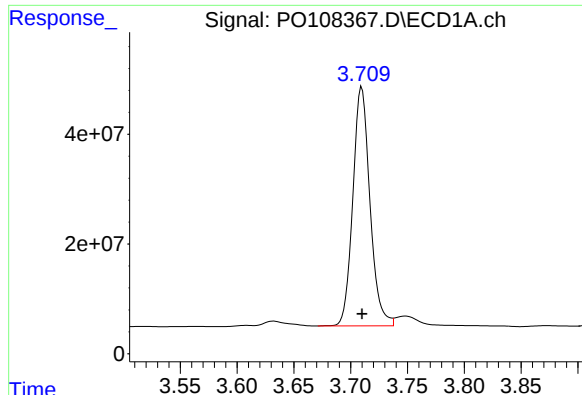
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108367.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:51  
Operator : YP/AJ  
Sample : AR1221ICC500  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 02:45:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 02:44:32 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

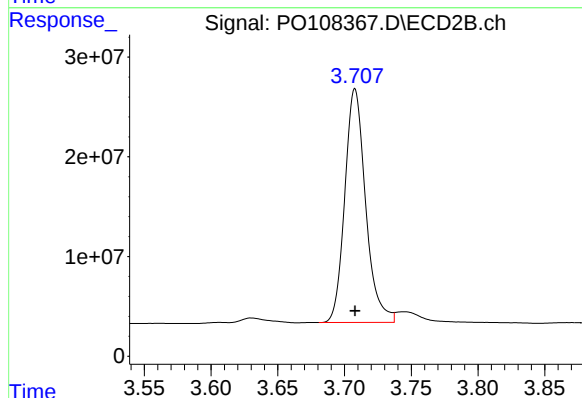




## #1 Tetrachloro-m-xylene

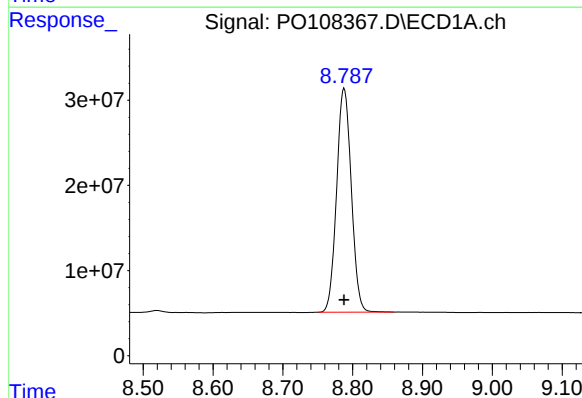
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 457189425  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500



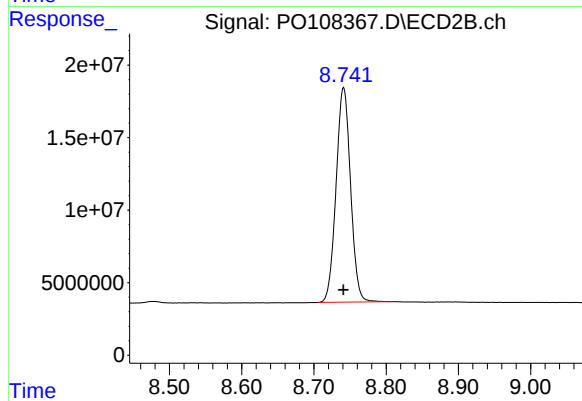
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 254824996  
Conc: 50.00 ng/ml



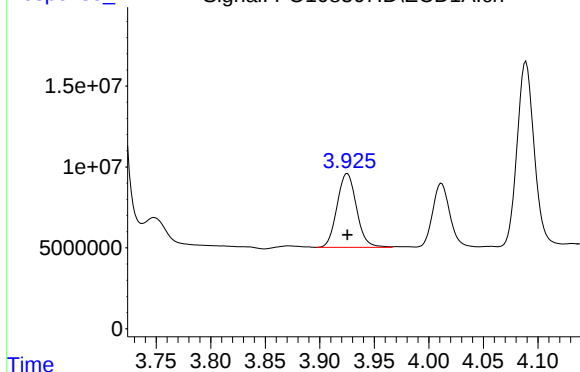
## #2 Decachlorobiphenyl

R.T.: 8.788 min  
Delta R.T.: 0.000 min  
Response: 384297943  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 206153933  
Conc: 50.00 ng/ml



R.T.: 3.925 min  
Delta R.T.: 0.000 min  
Response: 56571909  
Conc: 500.00 ng/ml

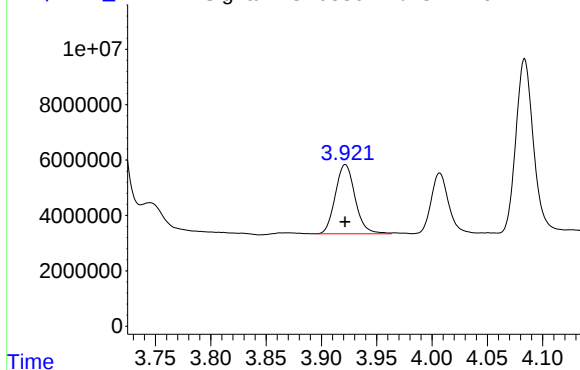
Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500

Time

Response\_

Signal: PO108367.D\ECD2B.ch

#8 AR-1221-1



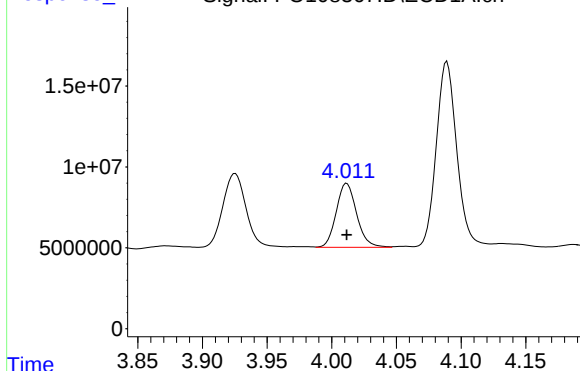
R.T.: 3.922 min  
Delta R.T.: 0.000 min  
Response: 31061265  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108367.D\ECD1A.ch

#9 AR-1221-2



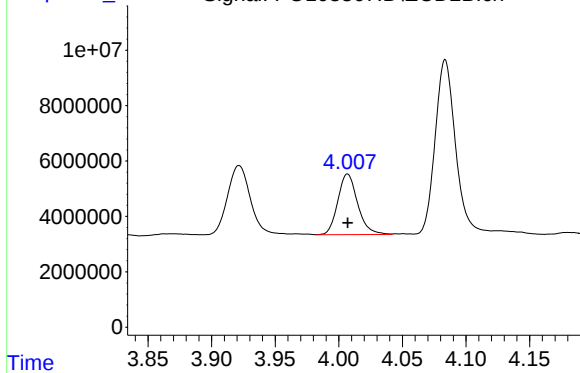
R.T.: 4.012 min  
Delta R.T.: 0.000 min  
Response: 43360161  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108367.D\ECD2B.ch

#9 AR-1221-2



R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 23722482  
Conc: 500.00 ng/ml

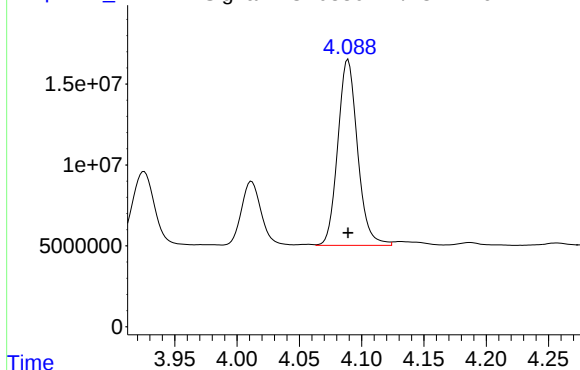
Time

Response\_

Signal: PO108367.D\ECD1A.ch

#10 AR-1221-3

ICAL Form



R.T.: 4.089 min  
Delta R.T.: 0.000 min  
Response: 127102746  
Conc: 500.00 ng/ml

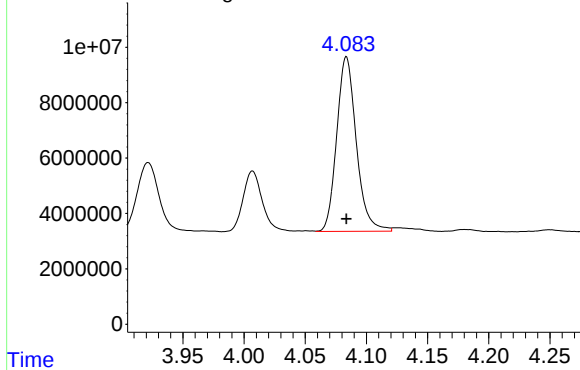
Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500

Time

Response\_

Signal: PO108367.D\ECD2B.ch

#10 AR-1221-3



R.T.: 4.084 min  
Delta R.T.: 0.000 min  
Response: 70293463  
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108368.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:09  
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: Dec 07 03:22:45 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:22:18 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 444.2E6  | 248.7E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.789 | 8.741 | 367.4E6  | 196.5E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 11) L3 AR-1232-1            | 4.089 | 4.084 | 102.4E6  | 56025919 | 500.000 | 500.000 |
| 12) L3 AR-1232-2            | 4.586 | 4.817 | 57176726 | 52877010 | 500.000 | 500.000 |
| 13) L3 AR-1232-3            | 4.829 | 4.994 | 98738250 | 30173584 | 500.000 | 500.000 |
| 14) L3 AR-1232-4            | 5.005 | 5.078 | 54189863 | 27778236 | 500.000 | 500.000 |
| 15) L3 AR-1232-5            | 5.048 | 5.249 | 39164726 | 28788093 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

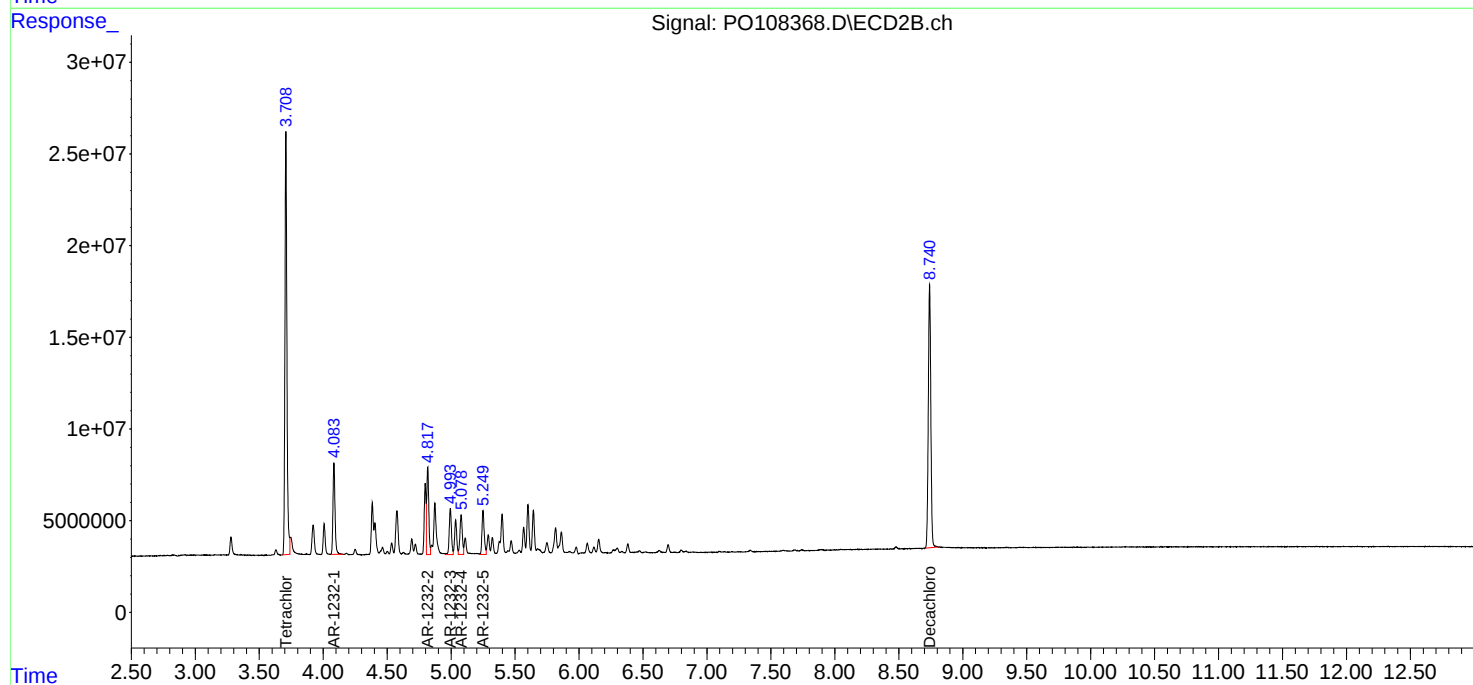
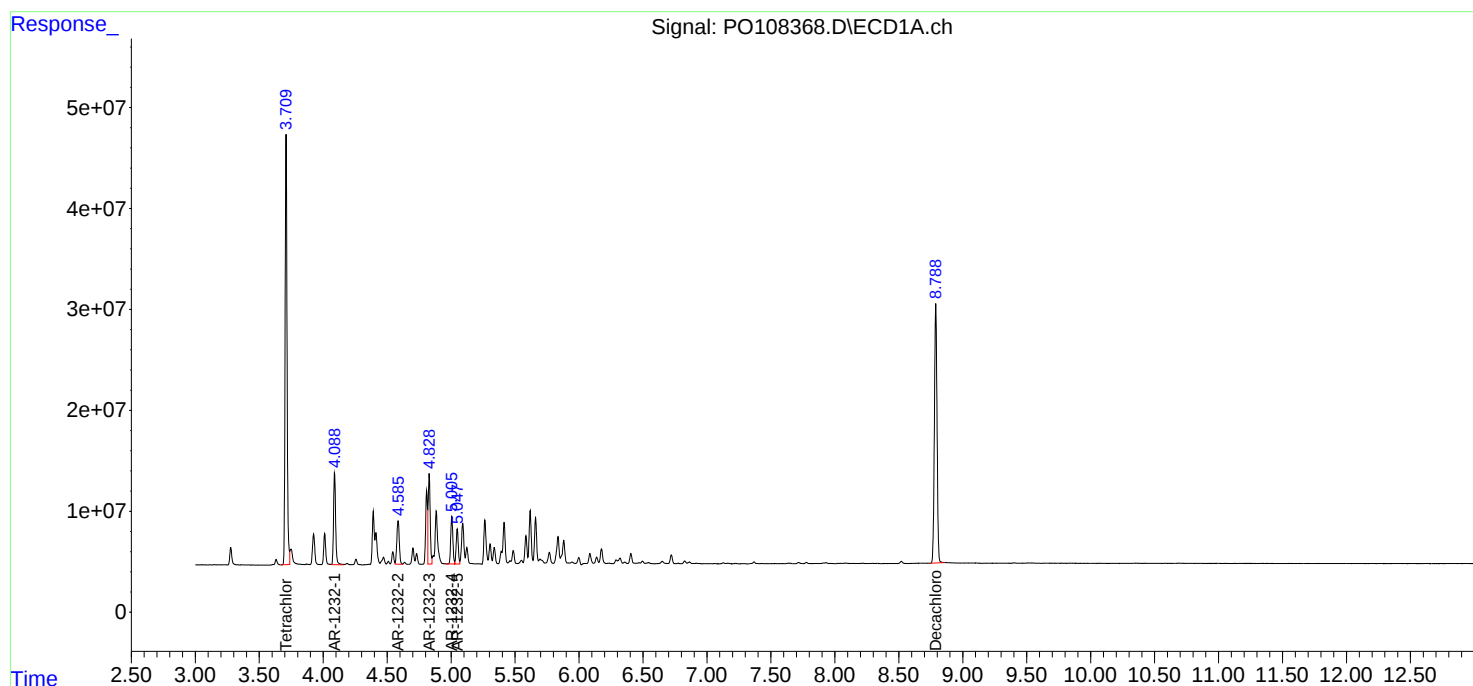
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

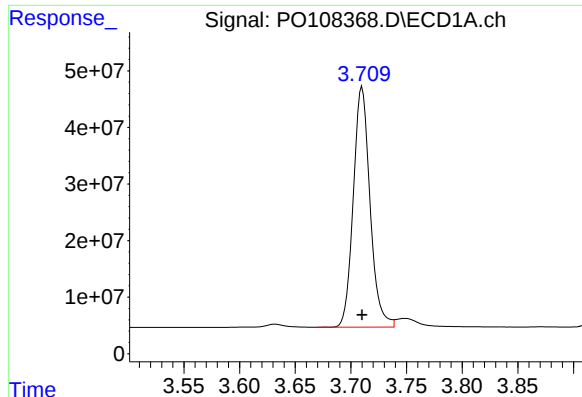
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108368.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:09  
Operator : YP/AJ  
Sample : AR1232ICC500  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:22:45 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:22:18 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

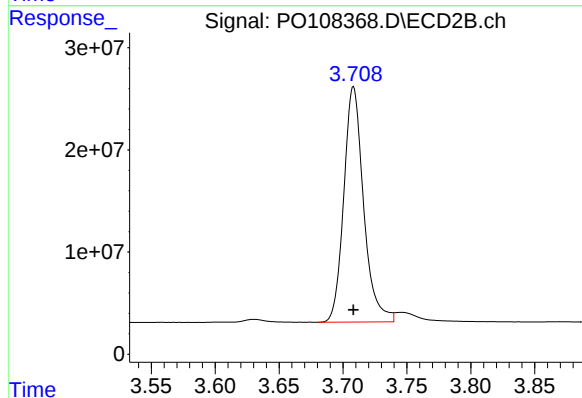




## #1 Tetrachloro-m-xylene

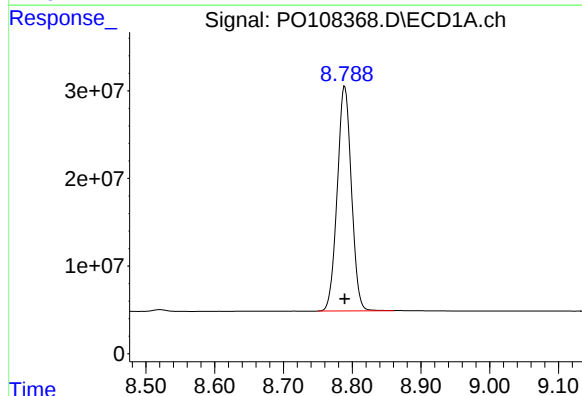
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 444225496  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



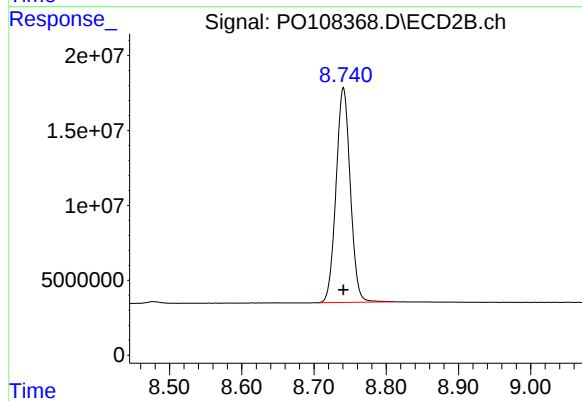
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 248690425  
Conc: 50.00 ng/ml



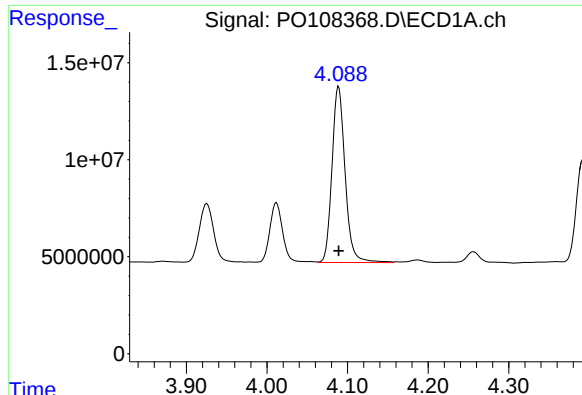
## #2 Decachlorobiphenyl

R.T.: 8.789 min  
Delta R.T.: 0.000 min  
Response: 367362912  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

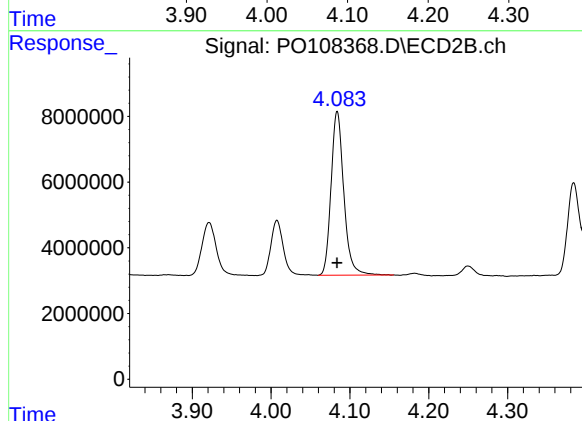
R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 196504885  
Conc: 50.00 ng/ml



#11 AR-1232-1

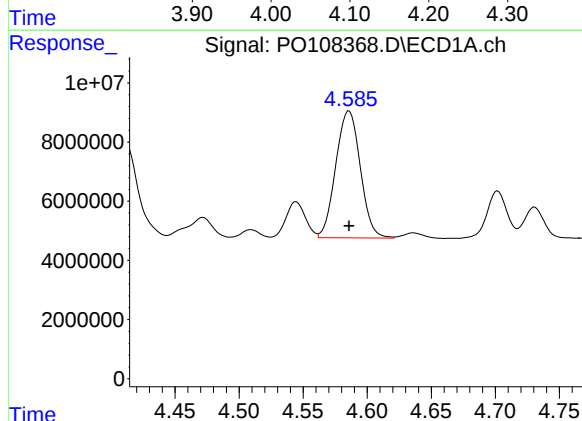
R.T.: 4.089 min  
Delta R.T.: 0.000 min  
Response: 102385115  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



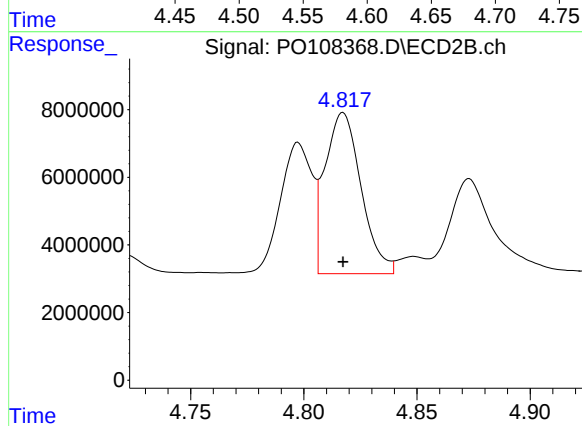
#11 AR-1232-1

R.T.: 4.084 min  
Delta R.T.: 0.000 min  
Response: 56025919  
Conc: 500.00 ng/ml



#12 AR-1232-2

R.T.: 4.586 min  
Delta R.T.: 0.000 min  
Response: 57176726  
Conc: 500.00 ng/ml



#12 AR-1232-2

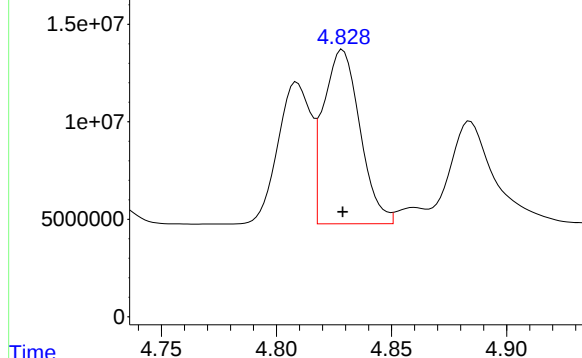
R.T.: 4.817 min  
Delta R.T.: 0.000 min  
Response: 52877010  
Conc: 500.00 ng/ml

Response\_ Signal: PO108368.D\ECD1A.ch

#13 AR-1232-3

R.T.: 4.829 min  
Delta R.T.: 0.000 min  
Response: 98738250  
Conc: 500.00 ng/ml

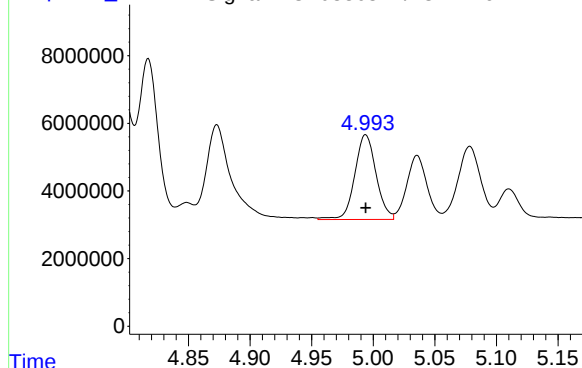
Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500



Time Response\_ Signal: PO108368.D\ECD2B.ch

#13 AR-1232-3

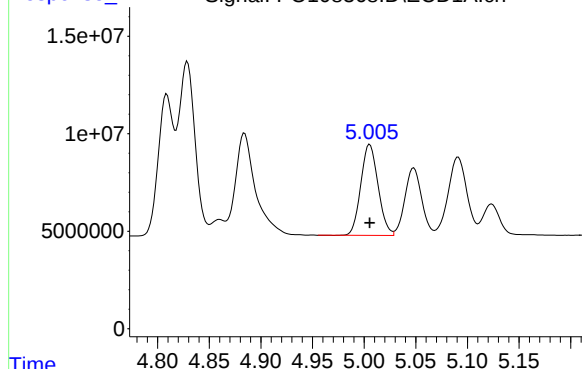
R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 30173584  
Conc: 500.00 ng/ml



Time Response\_ Signal: PO108368.D\ECD1A.ch

#14 AR-1232-4

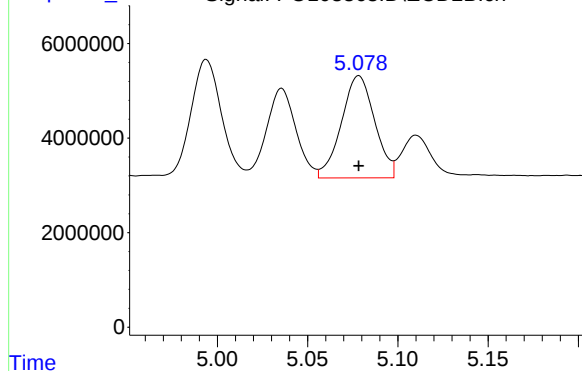
R.T.: 5.005 min  
Delta R.T.: 0.000 min  
Response: 54189863  
Conc: 500.00 ng/ml



Time Response\_ Signal: PO108368.D\ECD2B.ch

#14 AR-1232-4

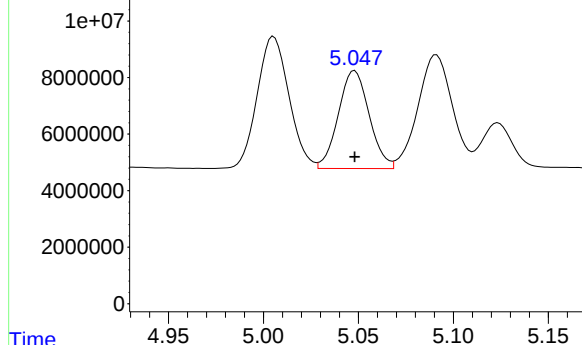
R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 27778236  
Conc: 500.00 ng/ml



Response\_

Signal: PO108368.D\ECD1A.ch

#15 AR-1232-5



R.T.: 5.048 min  
Delta R.T.: 0.000 min  
Response: 39164726  
Conc: 500.00 ng/ml

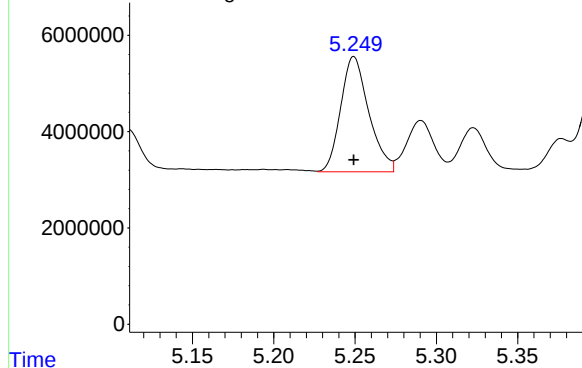
Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500

Time

Response\_

Signal: PO108368.D\ECD2B.ch

#15 AR-1232-5



R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 28788093  
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108369.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:28  
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: Dec 07 03:28:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 892.1E6 | 517.6E6 | 101.957 | 102.233 |
| 2) SA Decachlor...          | 8.787 | 8.740 | 715.2E6 | 383.8E6 | 98.518  | 97.601  |
|                             |       |       |         |         |         |         |
| Target Compounds            |       |       |         |         |         |         |
| 16) L4 AR-1242-1            | 4.808 | 4.798 | 247.1E6 | 129.5E6 | 986.267 | 975.957 |
| 17) L4 AR-1242-2            | 4.828 | 4.818 | 337.8E6 | 181.1E6 | 994.614 | 988.288 |
| 18) L4 AR-1242-3            | 4.884 | 4.993 | 232.4E6 | 100.9E6 | 976.542 | 980.579 |
| 19) L4 AR-1242-4            | 5.005 | 5.078 | 184.2E6 | 100.4E6 | 985.499 | 961.375 |
| 20) L4 AR-1242-5            | 5.660 | 5.601 | 194.0E6 | 119.2E6 | 982.463 | 977.241 |
| -----                       |       |       |         |         |         |         |

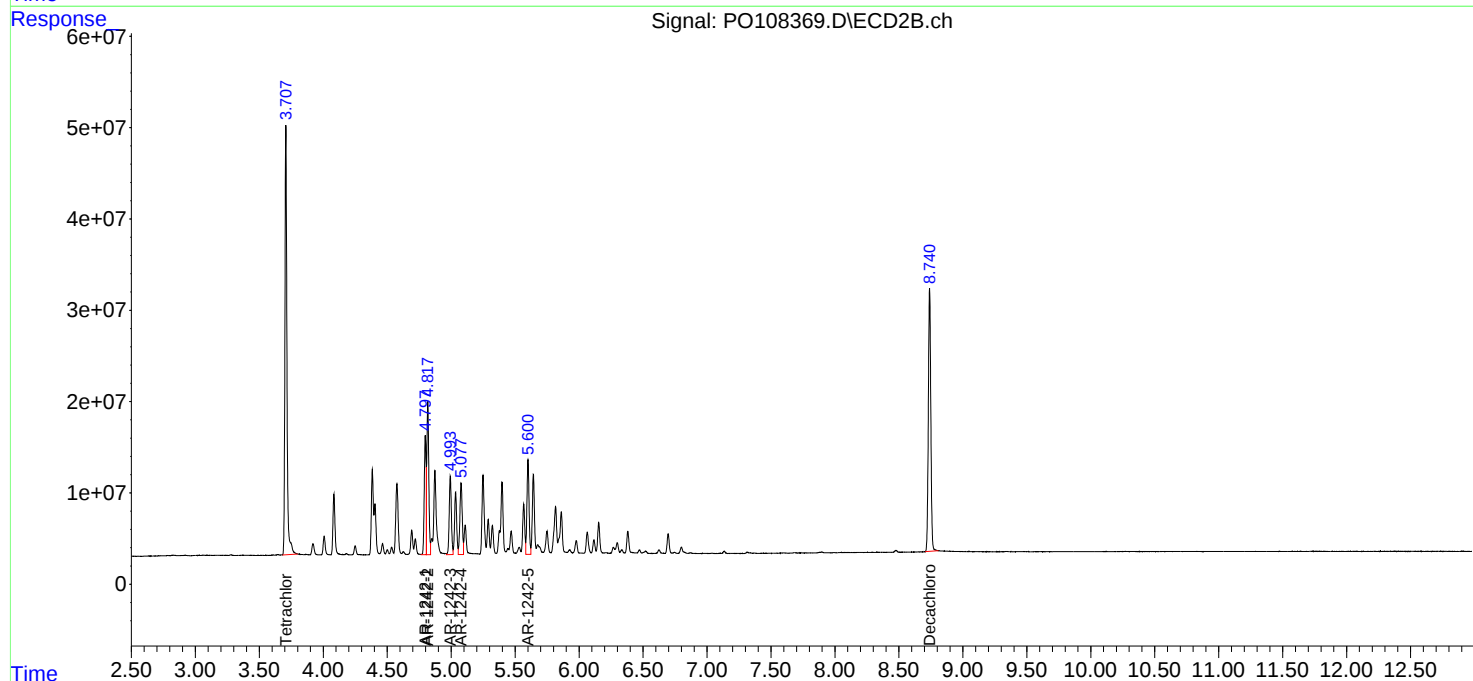
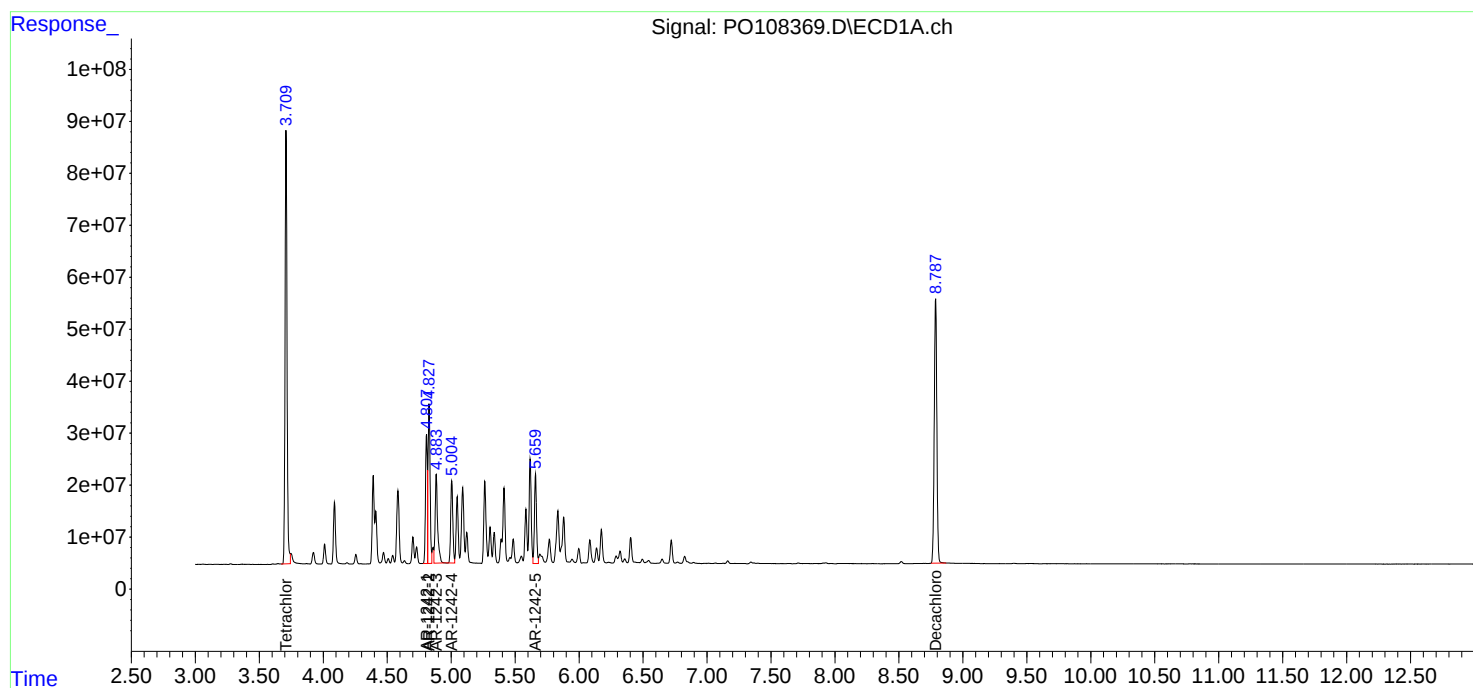
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

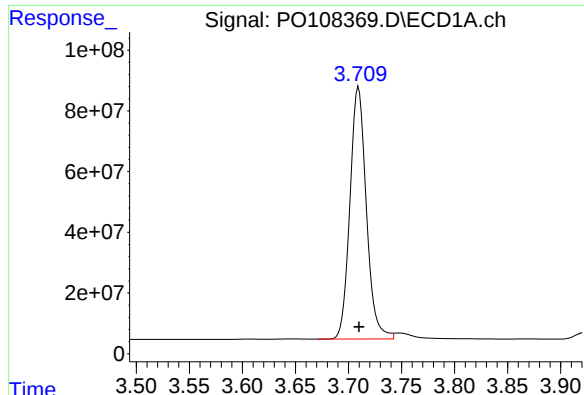
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108369.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:28  
Operator : YP/AJ  
Sample : AR1242ICC1000  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:28:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

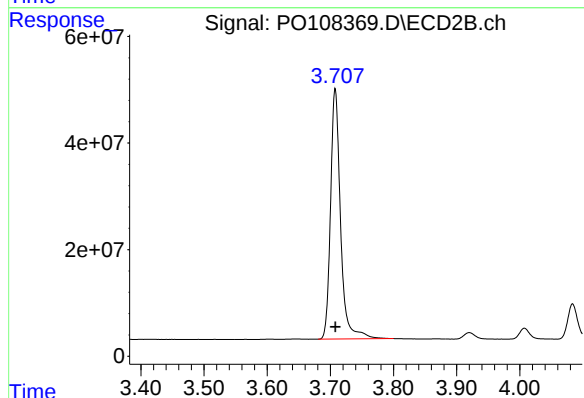




## #1 Tetrachloro-m-xylene

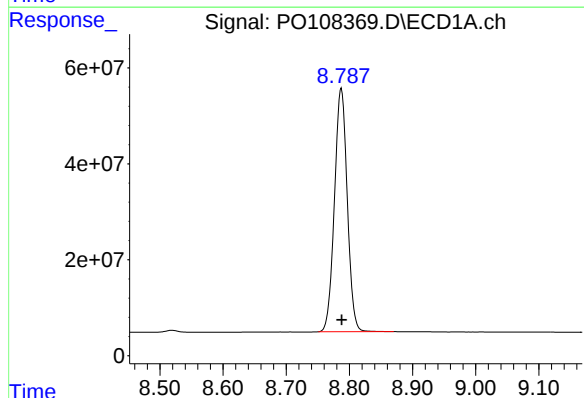
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 892136815  
Conc: 101.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



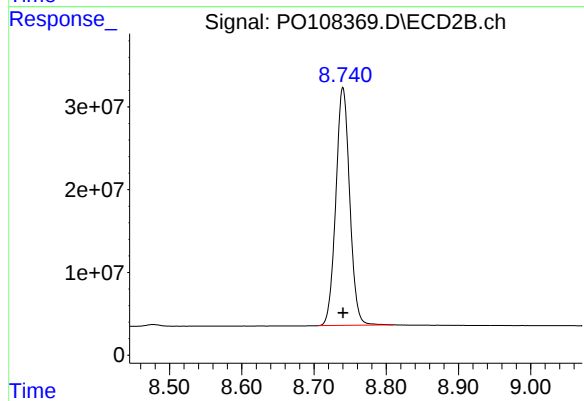
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 517563787  
Conc: 102.23 ng/ml



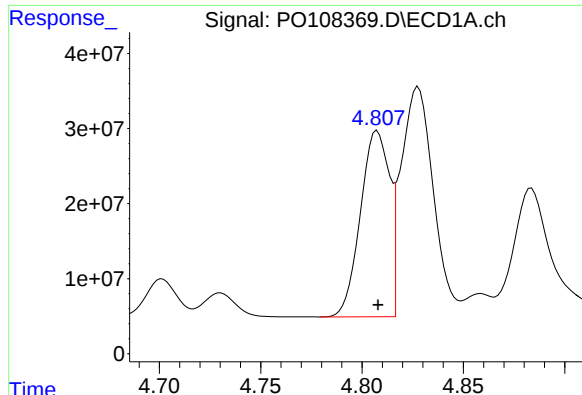
## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: 0.000 min  
Response: 715163252  
Conc: 98.52 ng/ml



## #2 Decachlorobiphenyl

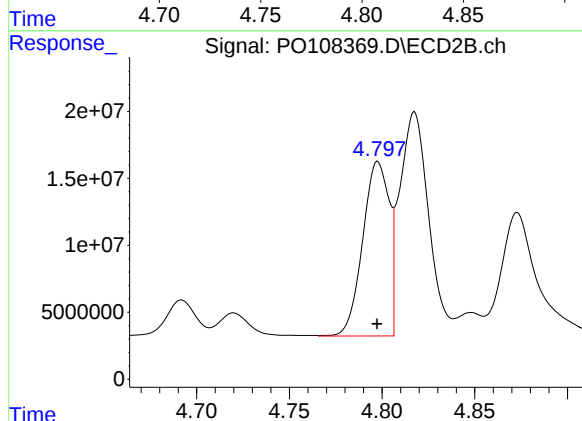
R.T.: 8.740 min  
Delta R.T.: 0.000 min  
Response: 383782403  
Conc: 97.60 ng/ml



#16 AR-1242-1

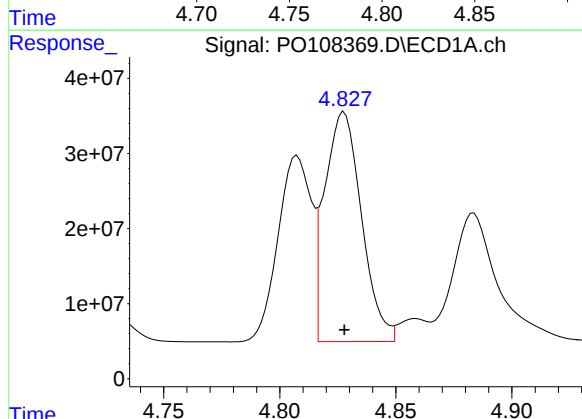
R.T.: 4.808 min  
Delta R.T.: 0.000 min  
Response: 247125512  
Conc: 986.27 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



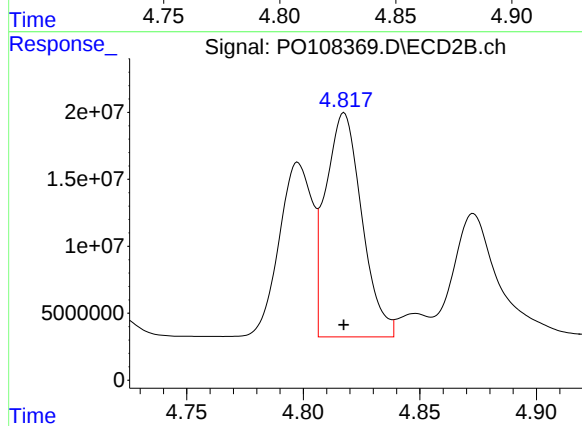
#16 AR-1242-1

R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 129471703  
Conc: 975.96 ng/ml



#17 AR-1242-2

R.T.: 4.828 min  
Delta R.T.: 0.000 min  
Response: 337820704  
Conc: 994.61 ng/ml



#17 AR-1242-2

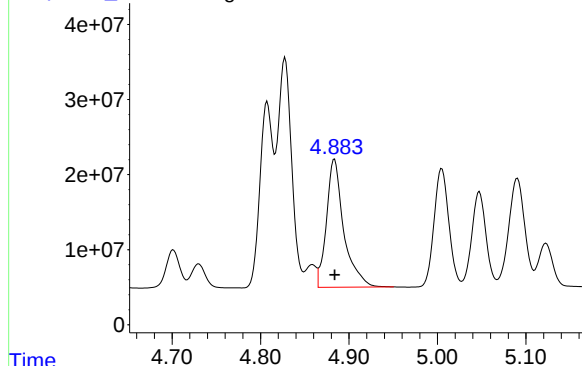
R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 181117644  
Conc: 988.29 ng/ml

Response\_ Signal: PO108369.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.884 min  
Delta R.T.: 0.000 min  
Response: 232389462  
Conc: 976.54 ng/ml

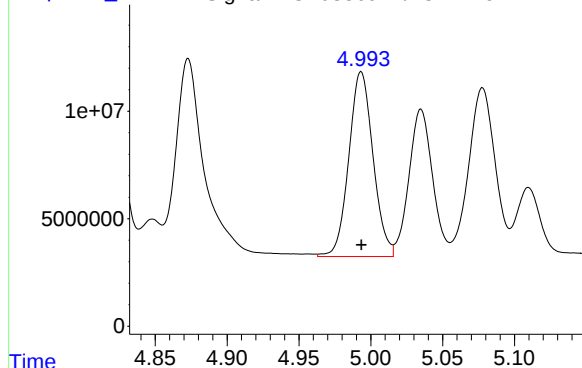
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000



Time Response\_ Signal: PO108369.D\ECD2B.ch

#18 AR-1242-3

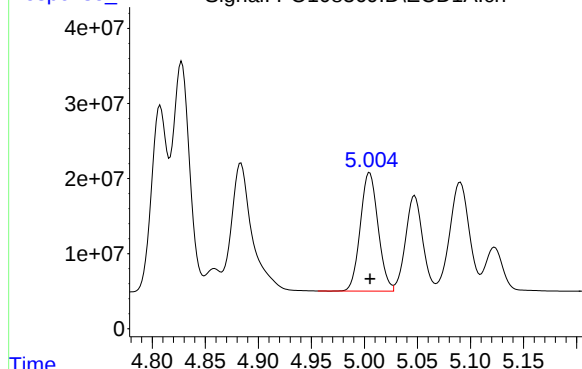
R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 100948316  
Conc: 980.58 ng/ml



Time Response\_ Signal: PO108369.D\ECD1A.ch

#19 AR-1242-4

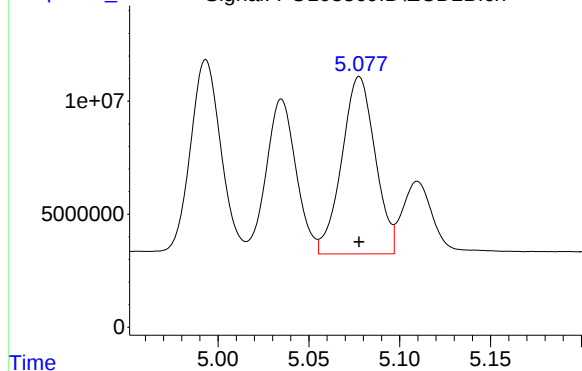
R.T.: 5.005 min  
Delta R.T.: 0.000 min  
Response: 184244210  
Conc: 985.50 ng/ml

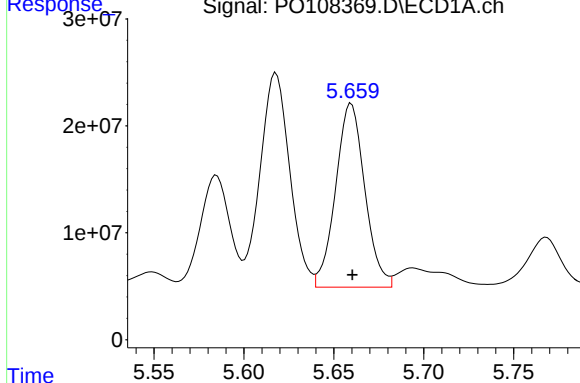


Time Response\_ Signal: PO108369.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 100375229  
Conc: 961.38 ng/ml





R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 194011522  
Conc: 982.46 ng/ml

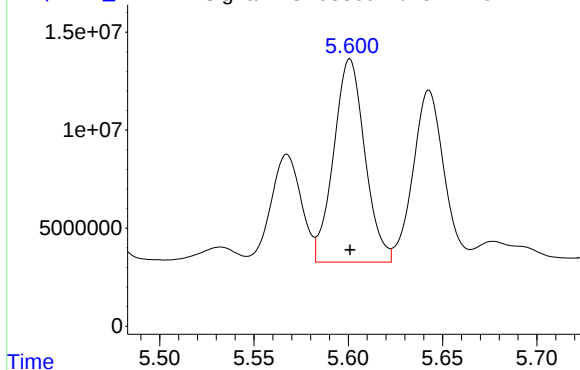
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000

Time

Response\_

Signal: PO108369.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.601 min  
Delta R.T.: 0.000 min  
Response: 119243844  
Conc: 977.24 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108370.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:46  
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: Dec 07 03:29:10 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 651.9E6 | 379.2E6  | 74.501  | 74.904  |
| 2) SA Decachlor...          | 8.787 | 8.741 | 537.5E6 | 291.1E6  | 74.048  | 74.041  |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.808 | 4.797 | 183.3E6 | 96799225 | 731.717 | 729.672 |
| 17) L4 AR-1242-2            | 4.828 | 4.817 | 249.4E6 | 135.2E6  | 734.320 | 737.938 |
| 18) L4 AR-1242-3            | 4.883 | 4.993 | 171.7E6 | 75364148 | 721.601 | 732.062 |
| 19) L4 AR-1242-4            | 5.005 | 5.078 | 134.3E6 | 75299205 | 718.502 | 721.202 |
| 20) L4 AR-1242-5            | 5.660 | 5.601 | 146.1E6 | 89249979 | 739.628 | 731.432 |
| -----                       |       |       |         |          |         |         |

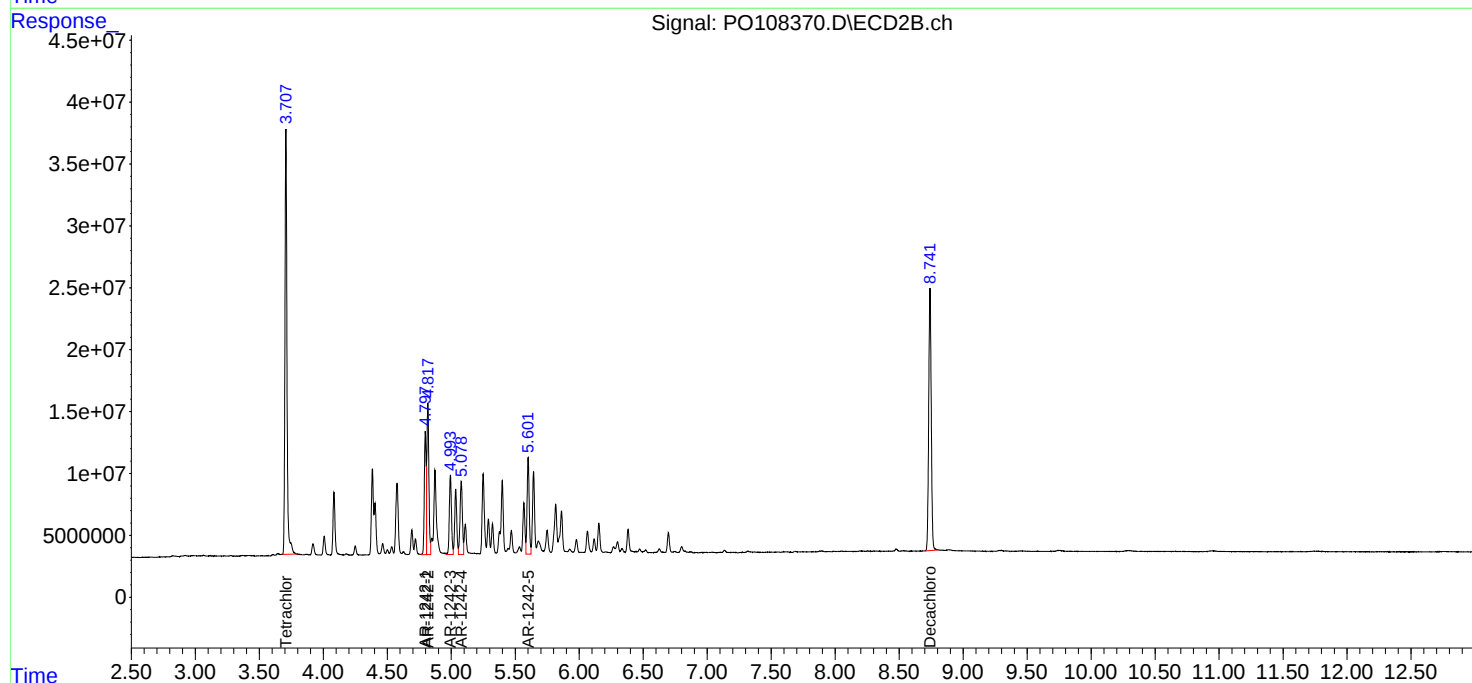
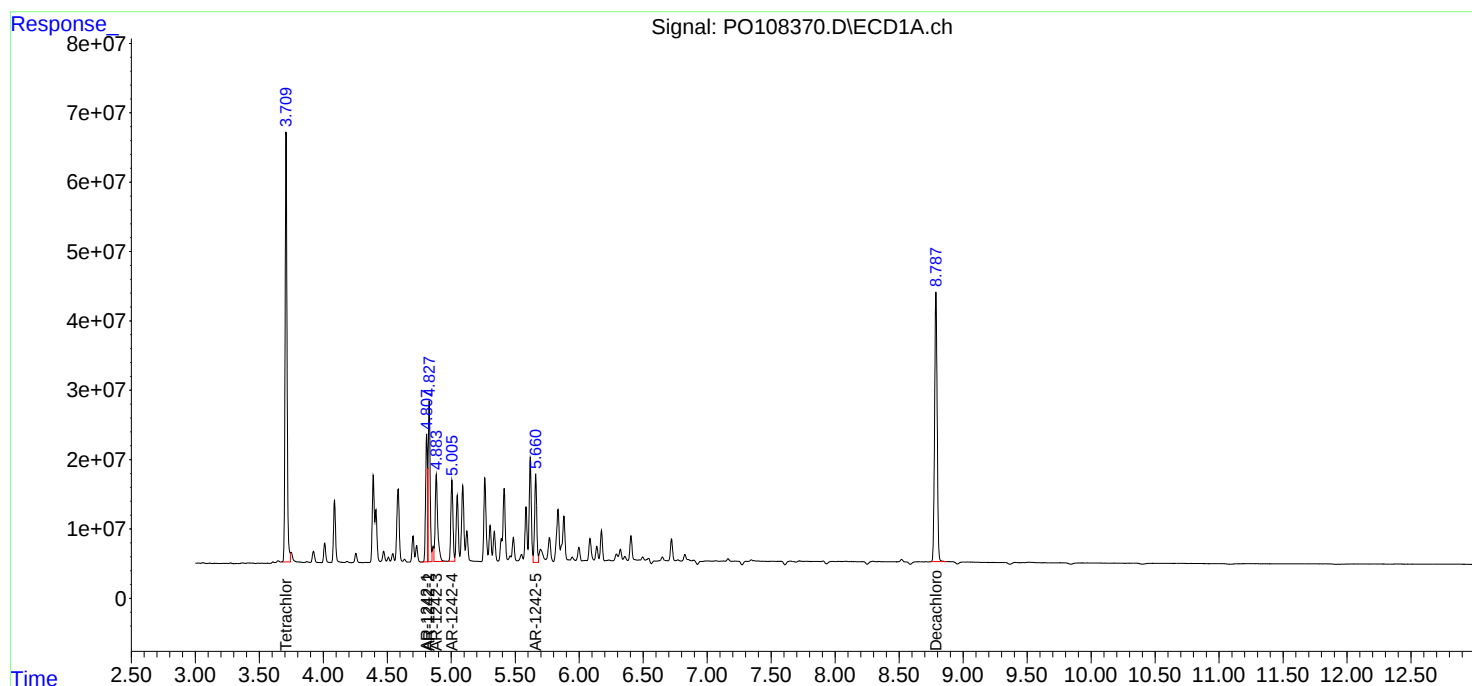
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

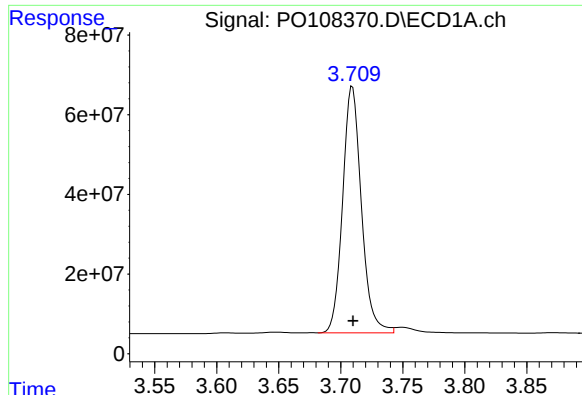
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108370.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 16:46  
Operator : YP/AJ  
Sample : AR1242ICC750  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:29:10 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

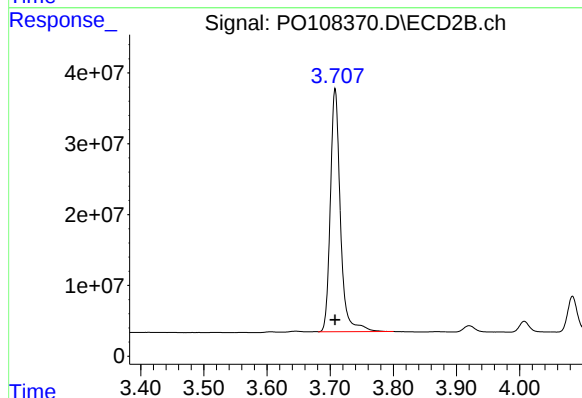




## #1 Tetrachloro-m-xylene

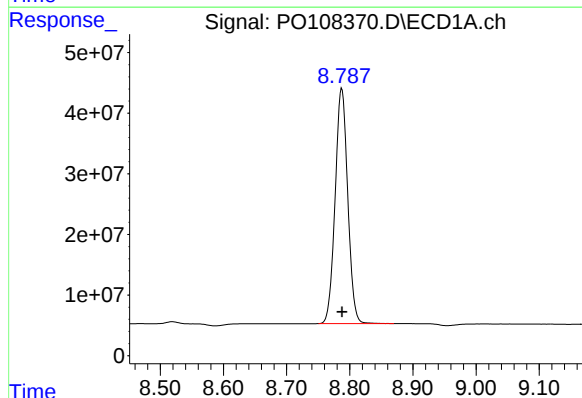
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 651888781  
Conc: 74.50 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750



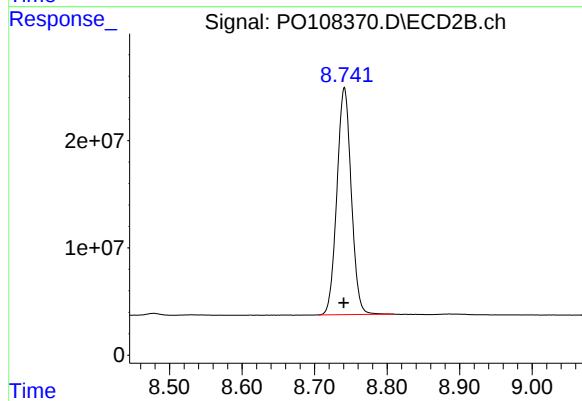
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 379209131  
Conc: 74.90 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: 0.000 min  
Response: 537532548  
Conc: 74.05 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 291141680  
Conc: 74.04 ng/ml

Response\_

Signal: PO108370.D\ECD1A.ch

#16 AR-1242-1

R.T.: 4.808 min

Delta R.T.: 0.000 min

Response: 183343786

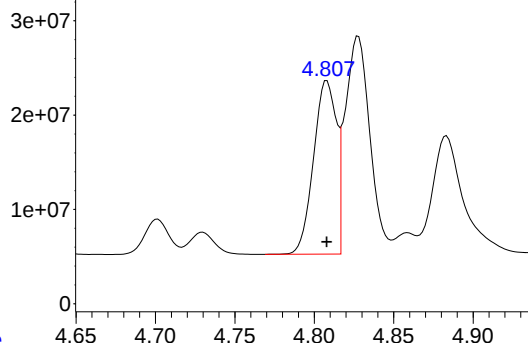
Conc: 731.72 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1242ICC750



Time

Response\_

Signal: PO108370.D\ECD2B.ch

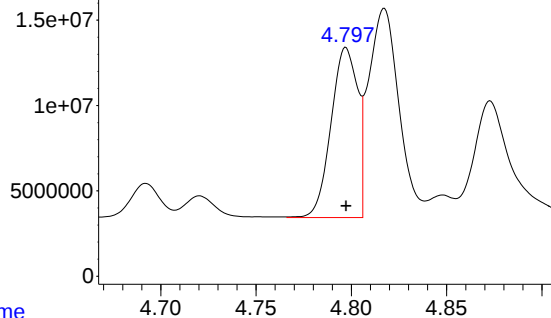
#16 AR-1242-1

R.T.: 4.797 min

Delta R.T.: 0.000 min

Response: 96799225

Conc: 729.67 ng/ml



Time

Response\_

Signal: PO108370.D\ECD1A.ch

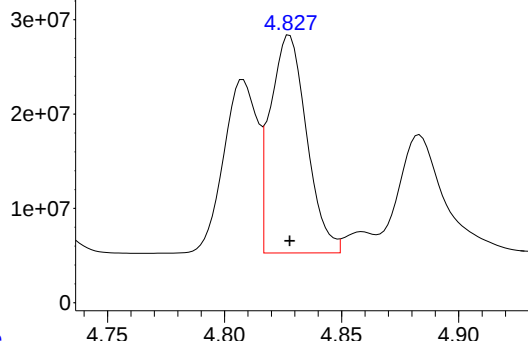
#17 AR-1242-2

R.T.: 4.828 min

Delta R.T.: 0.000 min

Response: 249411811

Conc: 734.32 ng/ml



Time

Response\_

Signal: PO108370.D\ECD2B.ch

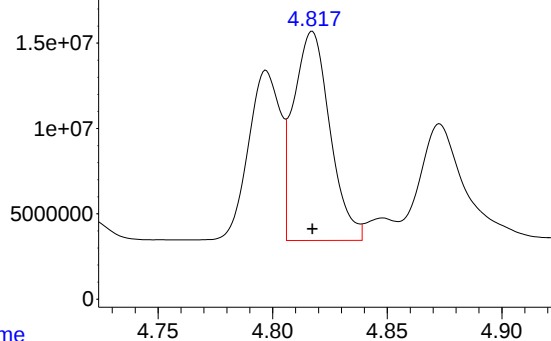
#17 AR-1242-2

R.T.: 4.817 min

Delta R.T.: 0.000 min

Response: 135237399

Conc: 737.94 ng/ml



Time

Response\_ Signal: PO108370.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.883 min  
Delta R.T.: 0.000 min  
Response: 171720586  
Conc: 721.60 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750

Time

Response\_ Signal: PO108370.D\ECD2B.ch

#18 AR-1242-3

R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 75364148  
Conc: 732.06 ng/ml

Time

Response\_ Signal: PO108370.D\ECD1A.ch

#19 AR-1242-4

R.T.: 5.005 min  
Delta R.T.: 0.000 min  
Response: 134327652  
Conc: 718.50 ng/ml

Time

Response\_ Signal: PO108370.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 75299205  
Conc: 721.20 ng/ml

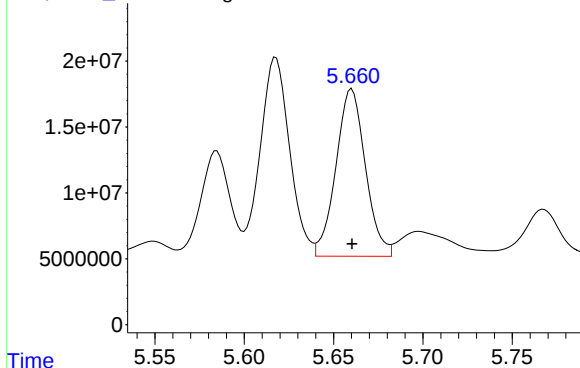
Time

Response\_

Signal: PO108370.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 146057705  
Conc: 739.63 ng/ml

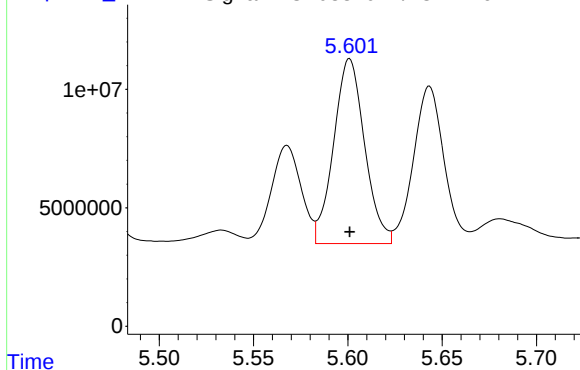
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750

Time

Response\_

Signal: PO108370.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.601 min  
Delta R.T.: 0.000 min  
Response: 89249979  
Conc: 731.43 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108371.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:04  
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: Dec 07 03:29:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 437.5E6  | 253.1E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.788 | 8.740 | 363.0E6  | 196.6E6  | 50.000  | 50.000  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.808 | 4.797 | 125.3E6  | 66330645 | 500.000 | 500.000 |
| 17) L4 AR-1242-2            | 4.828 | 4.817 | 169.8E6  | 91631995 | 500.000 | 500.000 |
| 18) L4 AR-1242-3            | 4.884 | 4.993 | 119.0E6  | 51473854 | 500.000 | 500.000 |
| 19) L4 AR-1242-4            | 5.005 | 5.078 | 93477622 | 52203987 | 500.000 | 500.000 |
| 20) L4 AR-1242-5            | 5.660 | 5.601 | 98737288 | 61010454 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

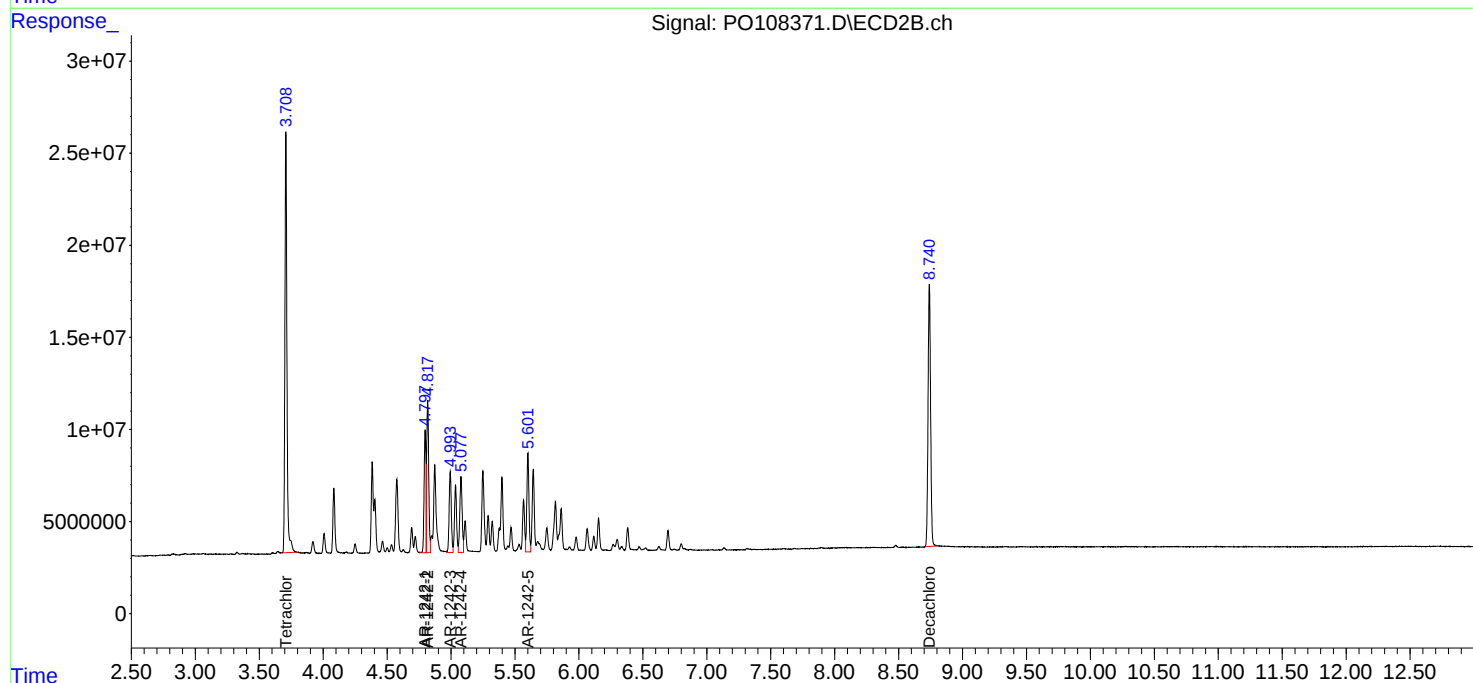
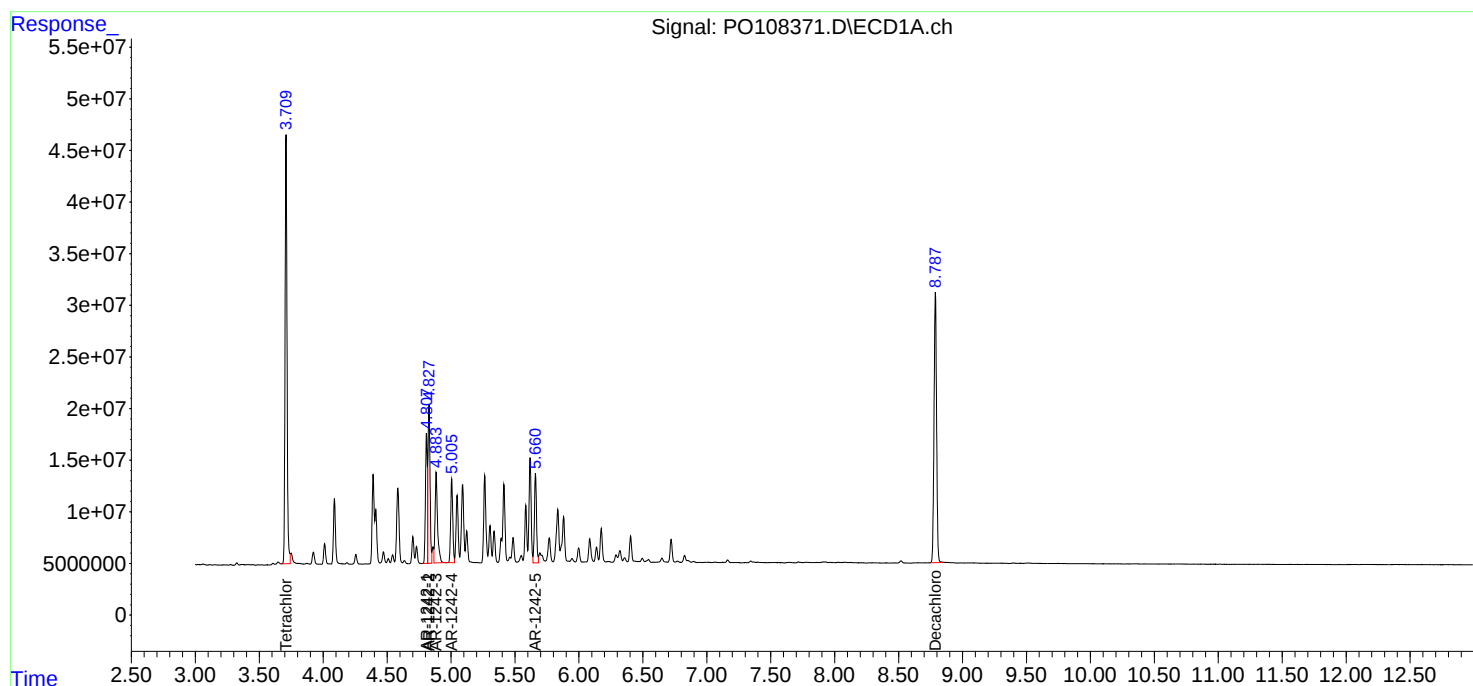
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

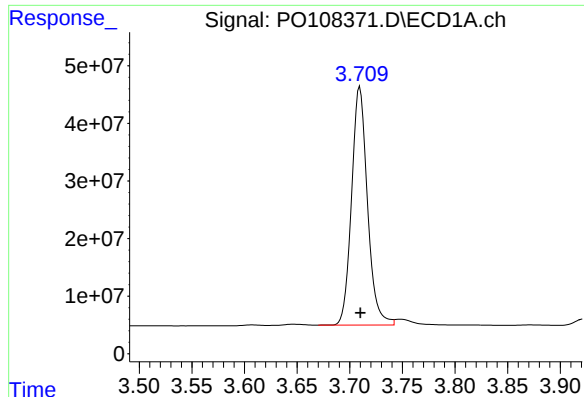
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108371.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:04  
Operator : YP/AJ  
Sample : AR1242ICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:29:27 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

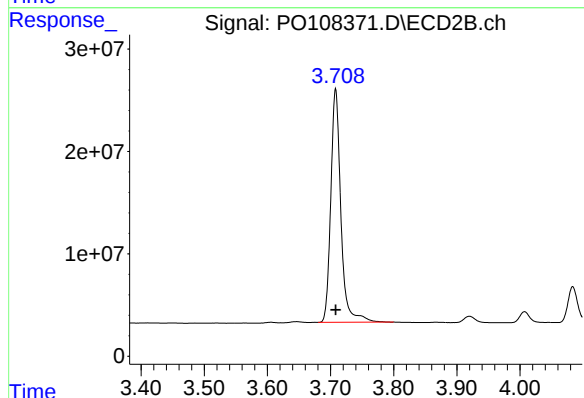




## #1 Tetrachloro-m-xylene

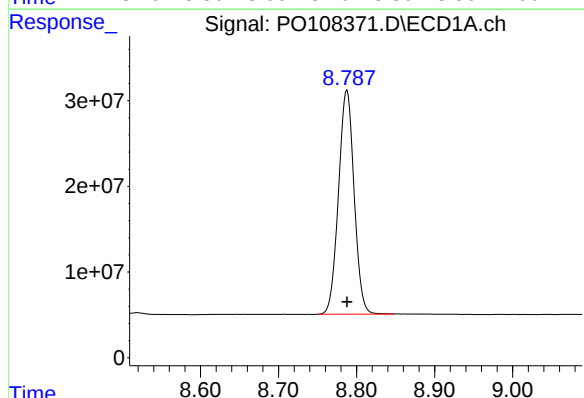
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 437505407  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



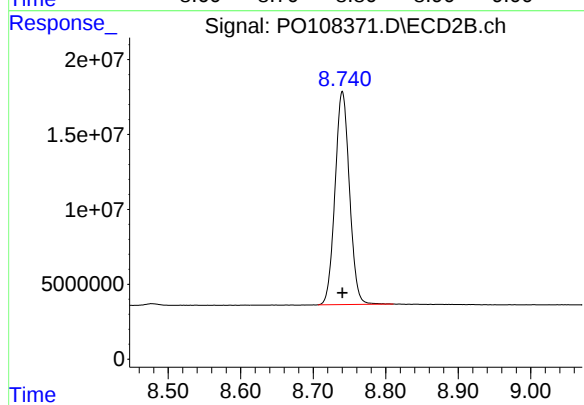
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 253129504  
Conc: 50.00 ng/ml



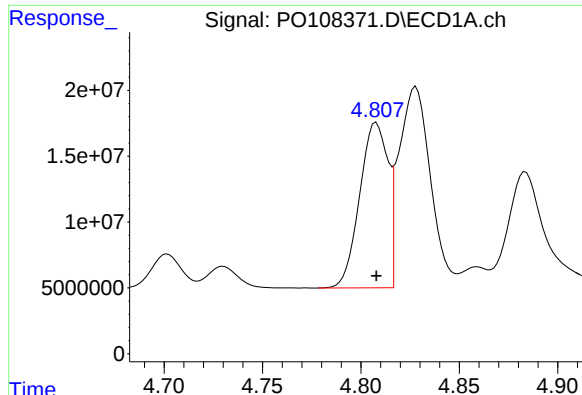
## #2 Decachlorobiphenyl

R.T.: 8.788 min  
Delta R.T.: 0.000 min  
Response: 362962108  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

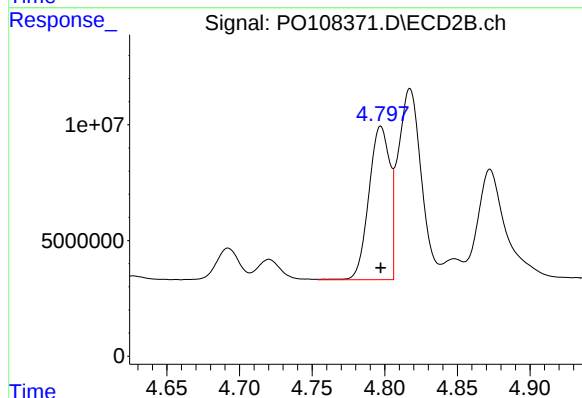
R.T.: 8.740 min  
Delta R.T.: 0.000 min  
Response: 196608226  
Conc: 50.00 ng/ml



#16 AR-1242-1

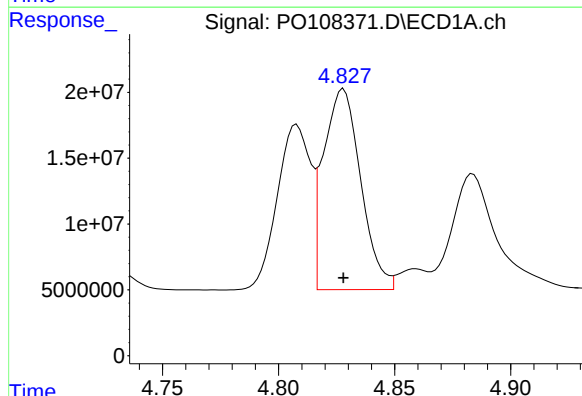
R.T.: 4.808 min  
Delta R.T.: 0.000 min  
Response: 125283253  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500



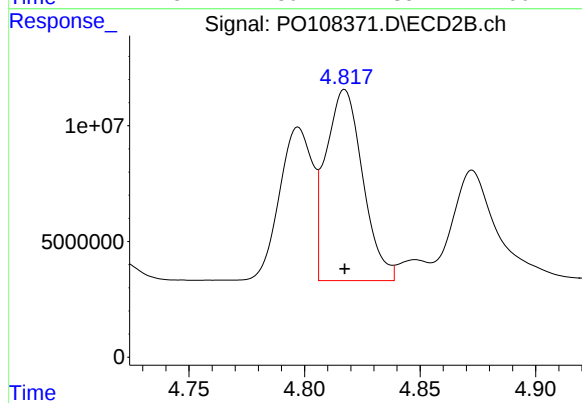
#16 AR-1242-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 66330645  
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 4.828 min  
Delta R.T.: 0.000 min  
Response: 169824986  
Conc: 500.00 ng/ml



#17 AR-1242-2

R.T.: 4.817 min  
Delta R.T.: 0.000 min  
Response: 91631995  
Conc: 500.00 ng/ml

Response\_ Signal: PO108371.D\ECD1A.ch

#18 AR-1242-3

R.T.: 4.884 min  
Delta R.T.: 0.000 min  
Response: 118985847  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500

Time

Response\_ Signal: PO108371.D\ECD2B.ch

#18 AR-1242-3

R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 51473854  
Conc: 500.00 ng/ml

Time

Response\_ Signal: PO108371.D\ECD1A.ch

#19 AR-1242-4

R.T.: 5.005 min  
Delta R.T.: 0.000 min  
Response: 93477622  
Conc: 500.00 ng/ml

Time

Response\_ Signal: PO108371.D\ECD2B.ch

#19 AR-1242-4

R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 52203987  
Conc: 500.00 ng/ml

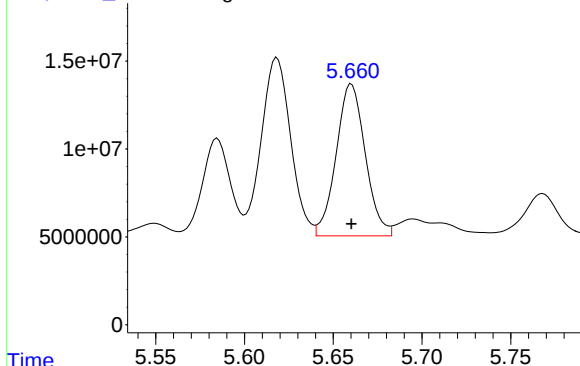
Time

Response\_

Signal: PO108371.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 98737288  
Conc: 500.00 ng/ml

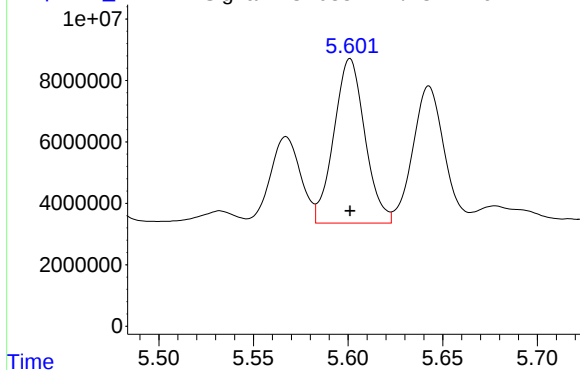
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500

Time

Response\_

Signal: PO108371.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.601 min  
Delta R.T.: 0.000 min  
Response: 61010454  
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108372.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:23  
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: Dec 07 03:29:43 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 221.1E6  | 126.9E6  | 25.264  | 25.073  |
| 2) SA Decachlor...          | 8.787 | 8.740 | 192.4E6  | 103.6E6  | 26.501  | 26.338  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.808 | 4.797 | 67263038 | 35363657 | 268.444 | 266.571 |
| 17) L4 AR-1242-2            | 4.828 | 4.817 | 89248071 | 47903183 | 262.765 | 261.389 |
| 18) L4 AR-1242-3            | 4.883 | 4.993 | 62854493 | 27129555 | 264.126 | 263.528 |
| 19) L4 AR-1242-4            | 5.004 | 5.078 | 49135003 | 27967035 | 262.817 | 267.863 |
| 20) L4 AR-1242-5            | 5.660 | 5.600 | 54535027 | 32733791 | 276.162 | 268.264 |
| -----                       |       |       |          |          |         |         |

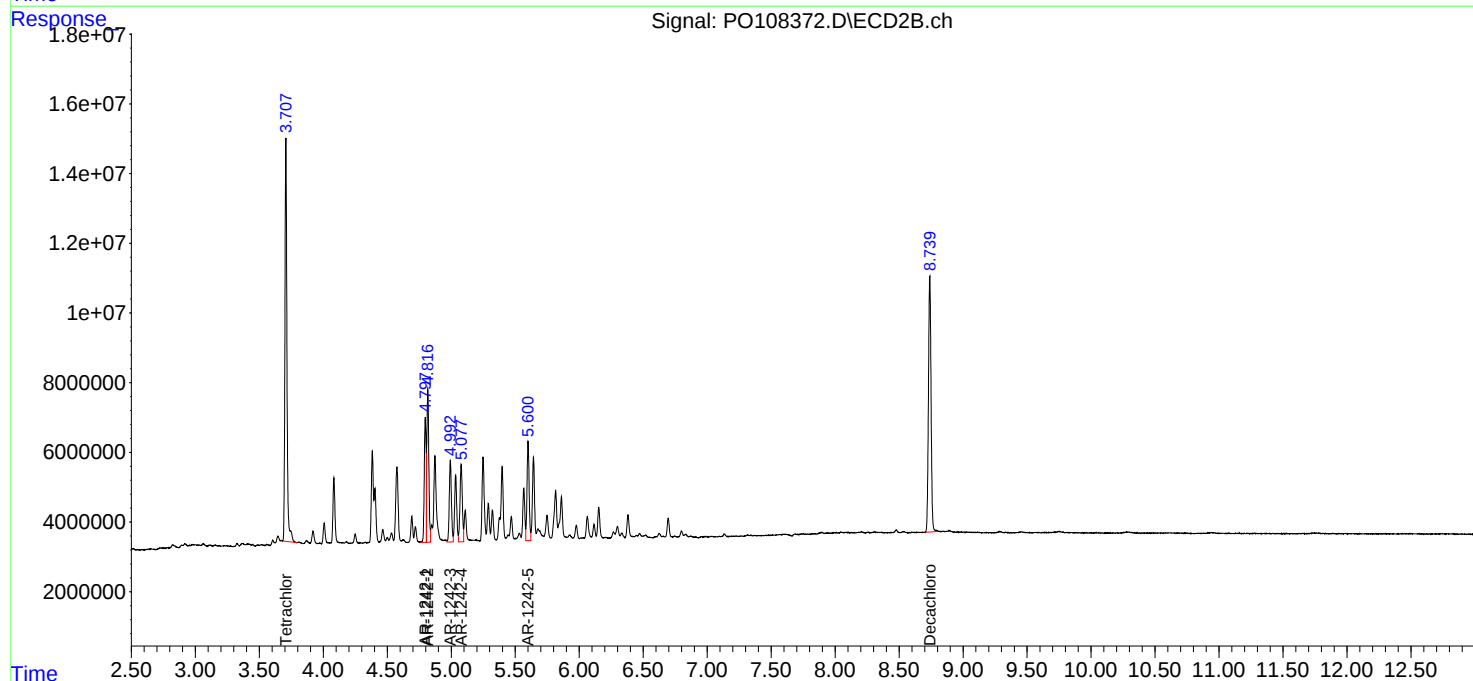
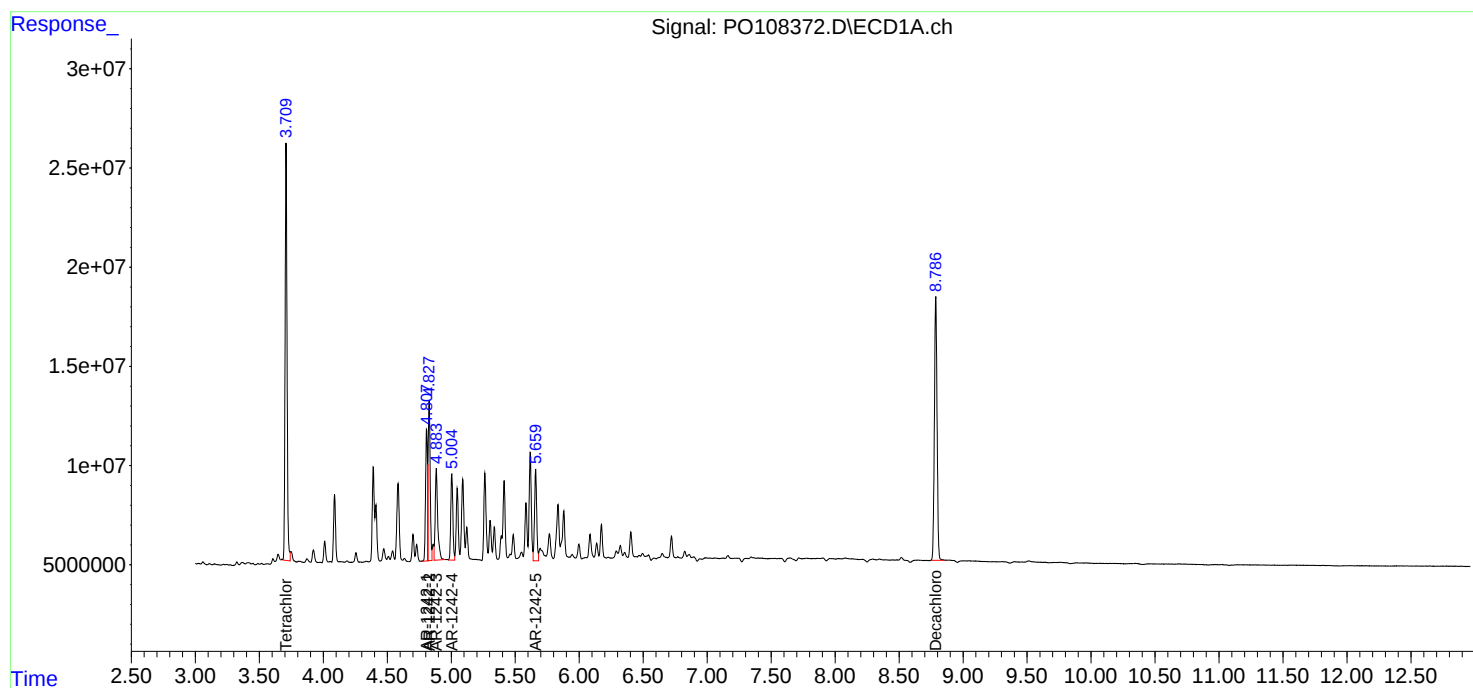
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

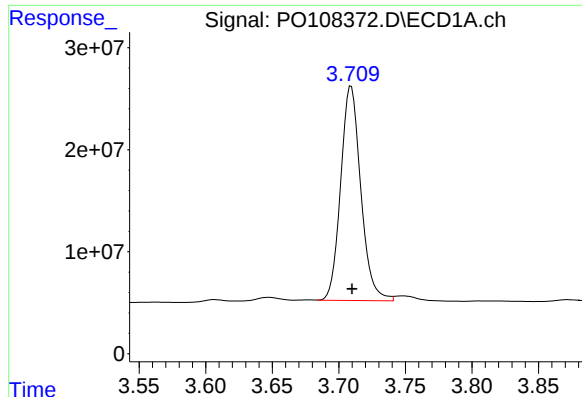
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108372.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:23  
Operator : YP/AJ  
Sample : AR1242ICC250  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:29:43 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

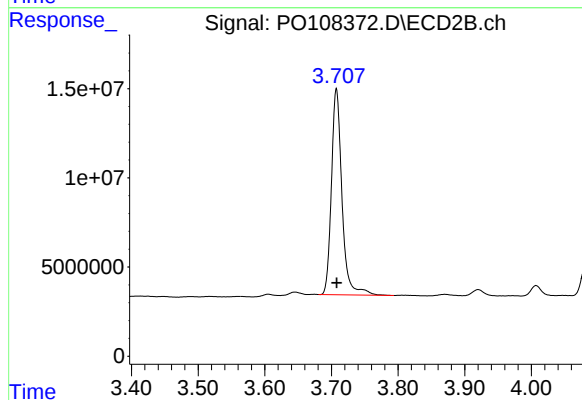




## #1 Tetrachloro-m-xylene

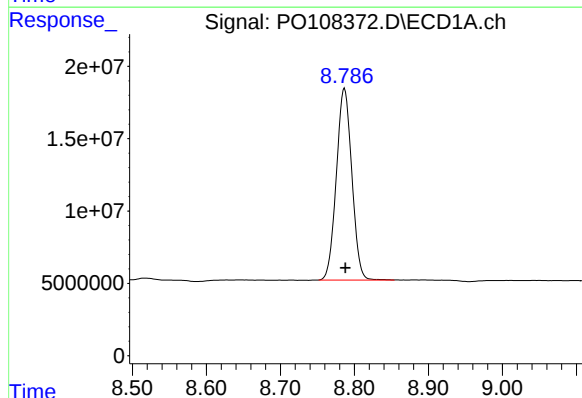
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 221064260  
Conc: 25.26 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



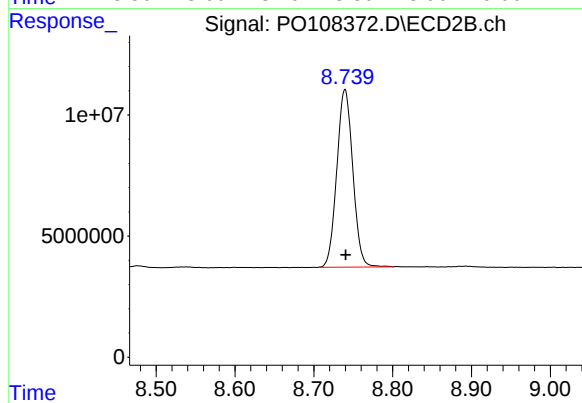
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 126934476  
Conc: 25.07 ng/ml



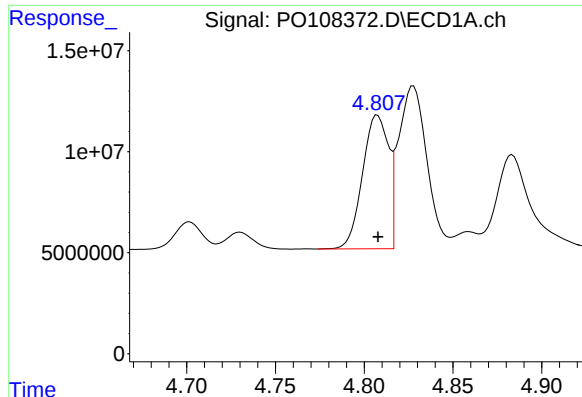
## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: -0.001 min  
Response: 192377071  
Conc: 26.50 ng/ml



## #2 Decachlorobiphenyl

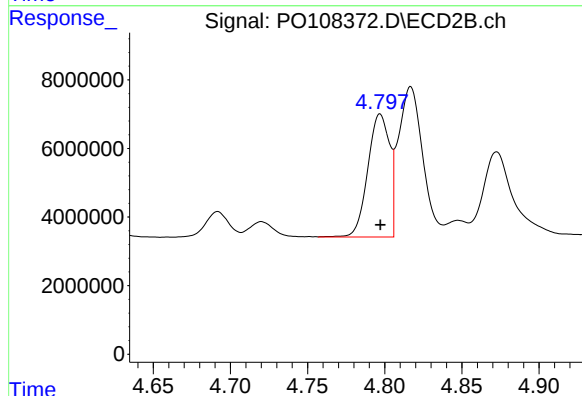
R.T.: 8.740 min  
Delta R.T.: 0.000 min  
Response: 103565808  
Conc: 26.34 ng/ml



#16 AR-1242-1

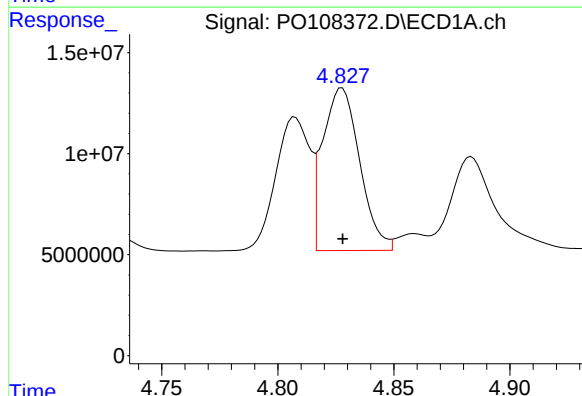
R.T.: 4.808 min  
Delta R.T.: 0.000 min  
Response: 67263038  
Conc: 268.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



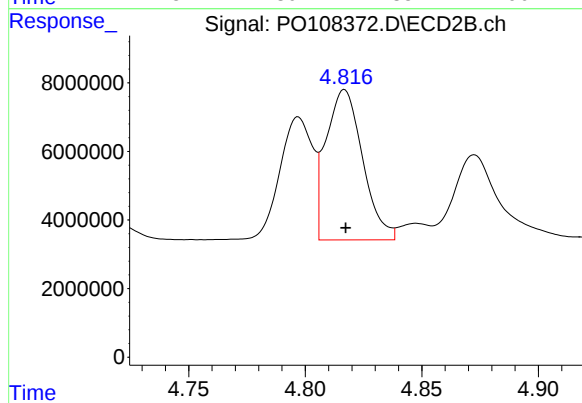
#16 AR-1242-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 35363657  
Conc: 266.57 ng/ml



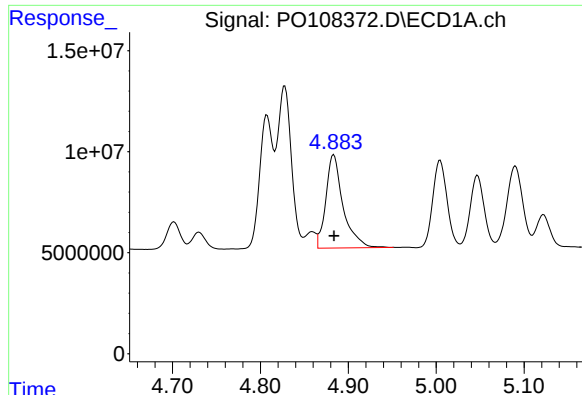
#17 AR-1242-2

R.T.: 4.828 min  
Delta R.T.: 0.000 min  
Response: 89248071  
Conc: 262.76 ng/ml



#17 AR-1242-2

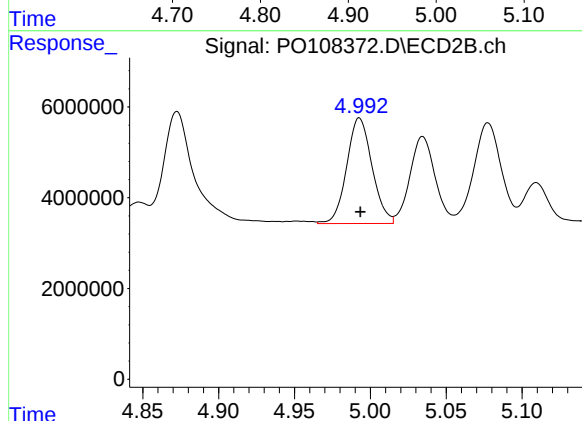
R.T.: 4.817 min  
Delta R.T.: 0.000 min  
Response: 47903183  
Conc: 261.39 ng/ml



#18 AR-1242-3

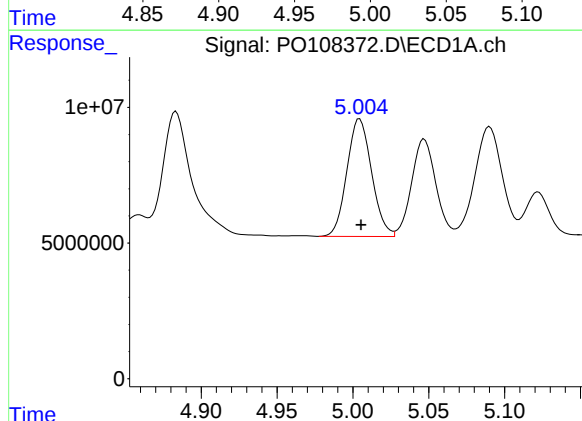
R.T.: 4.883 min  
Delta R.T.: 0.000 min  
Response: 62854493  
Conc: 264.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250



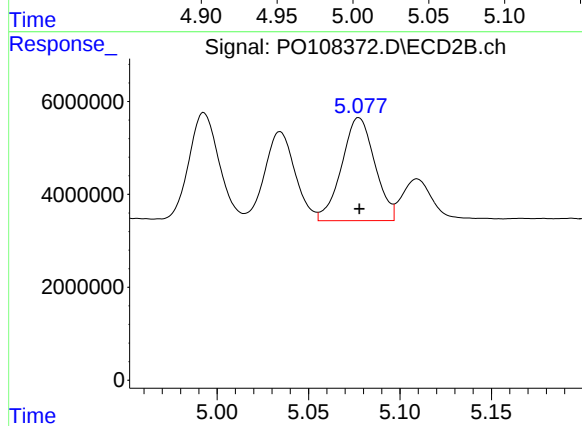
#18 AR-1242-3

R.T.: 4.993 min  
Delta R.T.: 0.000 min  
Response: 27129555  
Conc: 263.53 ng/ml



#19 AR-1242-4

R.T.: 5.004 min  
Delta R.T.: 0.000 min  
Response: 49135003  
Conc: 262.82 ng/ml



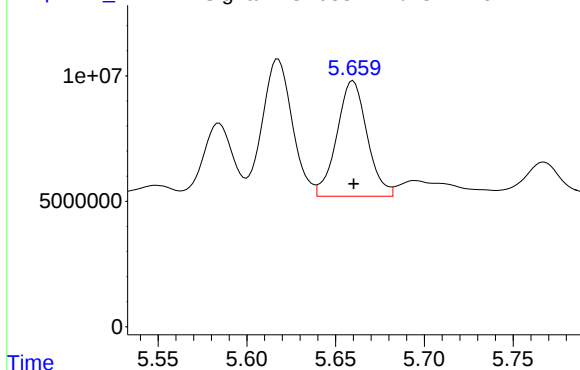
#19 AR-1242-4

R.T.: 5.078 min  
Delta R.T.: 0.000 min  
Response: 27967035  
Conc: 267.86 ng/ml

Response\_

Signal: PO108372.D\ECD1A.ch

#20 AR-1242-5



R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 54535027  
Conc: 276.16 ng/ml

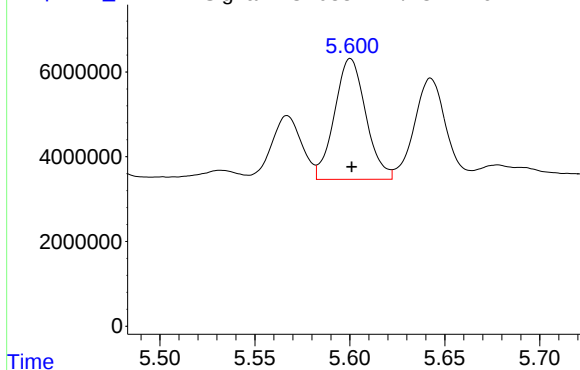
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250

Time

Response\_

Signal: PO108372.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.600 min  
Delta R.T.: 0.000 min  
Response: 32733791  
Conc: 268.26 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
 Data File : PO108373.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Dec 2024 17:41  
 Operator : YP/AJ  
 Sample : AR1242ICC050  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC050

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
 Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 07 03:30:01 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 03:28:21 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.708 | 3.707 | 42500192 | 23470301 | 4.857   | 4.636  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 38080770 | 19909368 | 5.246   | 5.063  |
| Target Compounds            |       |       |          |          |         |        |
| 16) L4 AR-1242-1            | 4.806 | 4.796 | 13771137 | 7309320  | 54.960  | 55.098 |
| 17) L4 AR-1242-2            | 4.826 | 4.816 | 17939884 | 9549021  | 52.819  | 52.105 |
| 18) L4 AR-1242-3            | 4.882 | 4.992 | 12765923 | 5700607  | 53.645  | 55.374 |
| 19) L4 AR-1242-4            | 5.004 | 5.077 | 10336411 | 5979654  | 55.288  | 57.272 |
| 20) L4 AR-1242-5            | 5.658 | 5.599 | 11699197 | 7040034  | 59.244m | 57.695 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108373.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:41  
Operator : YP/AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

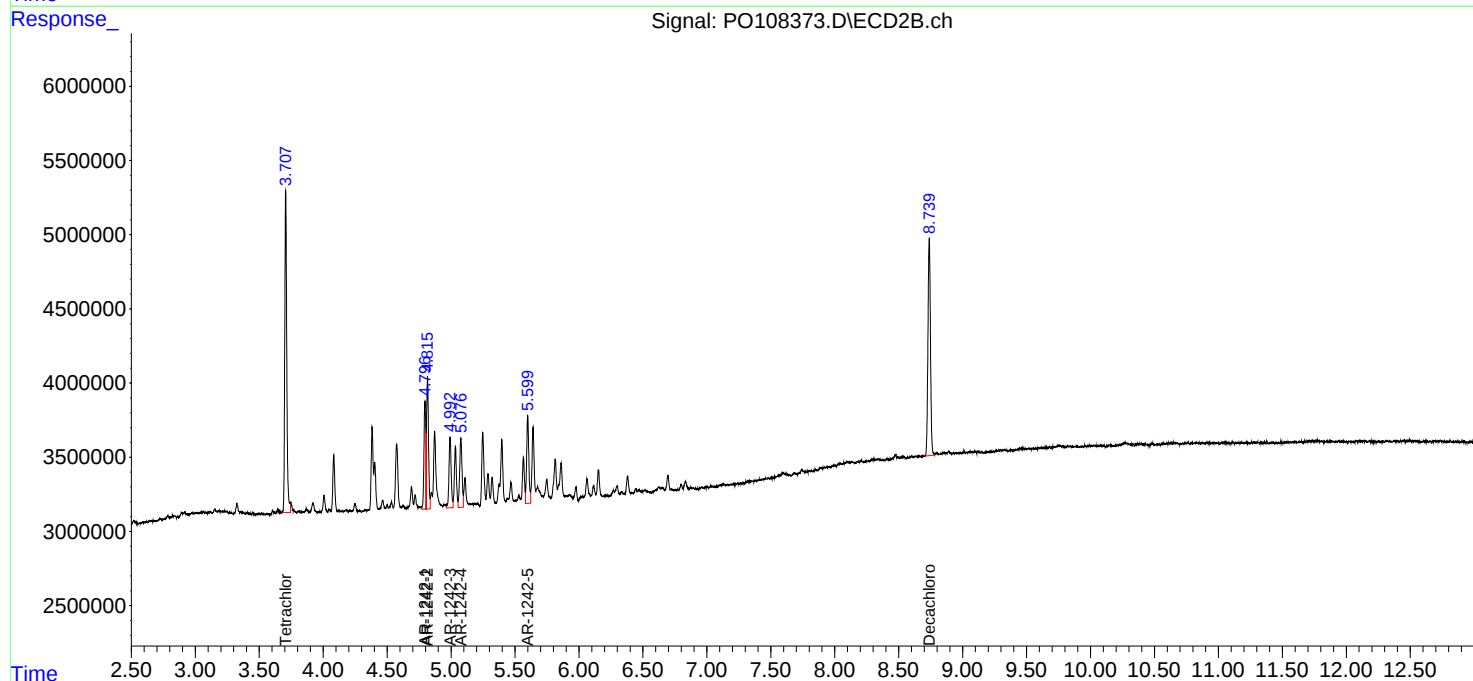
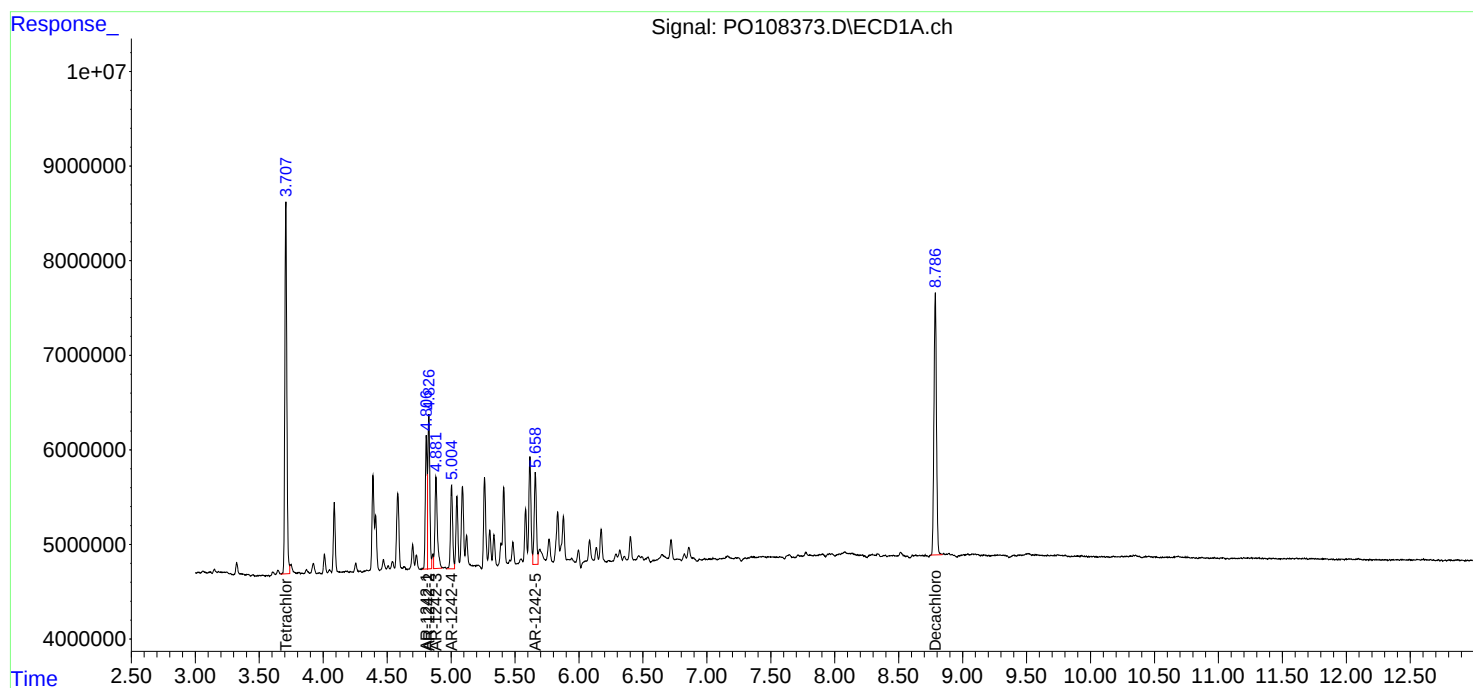
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

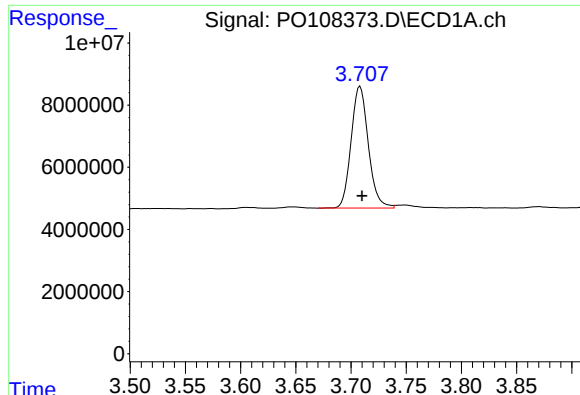
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:30:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





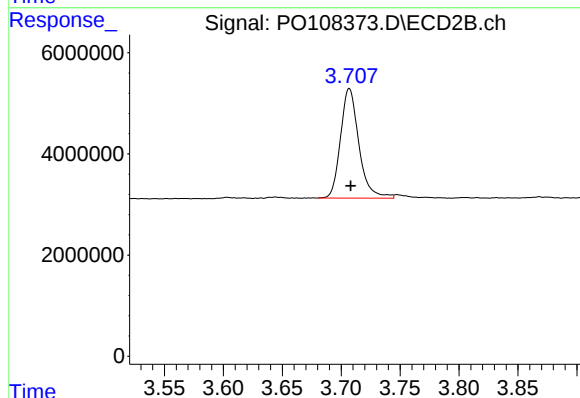
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: -0.002 min  
Response: 42500192  
Conc: 4.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

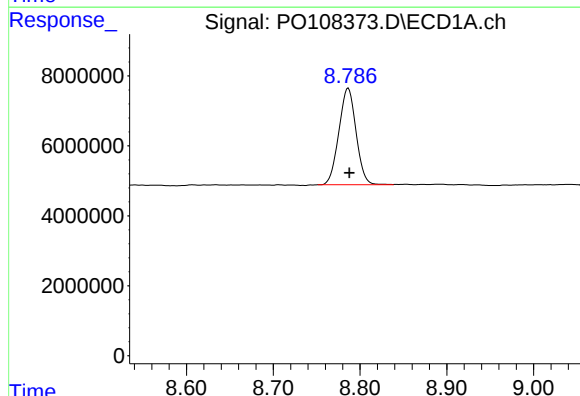
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



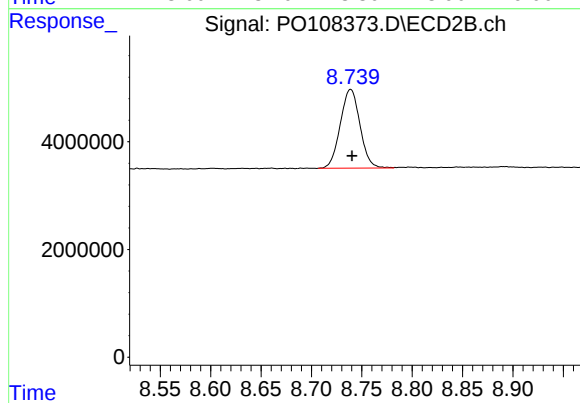
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: -0.001 min  
Response: 23470301  
Conc: 4.64 ng/ml



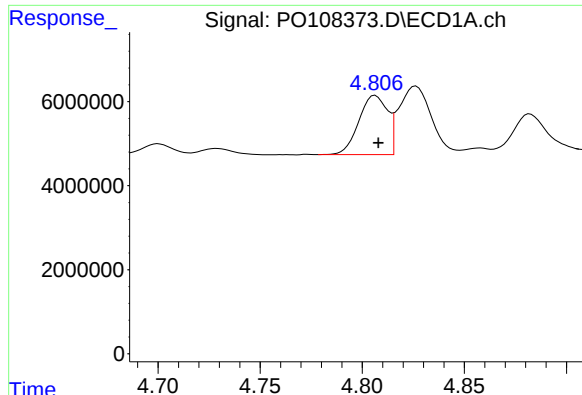
## #2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: -0.001 min  
Response: 38080770  
Conc: 5.25 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: -0.001 min  
Response: 19909368  
Conc: 5.06 ng/ml



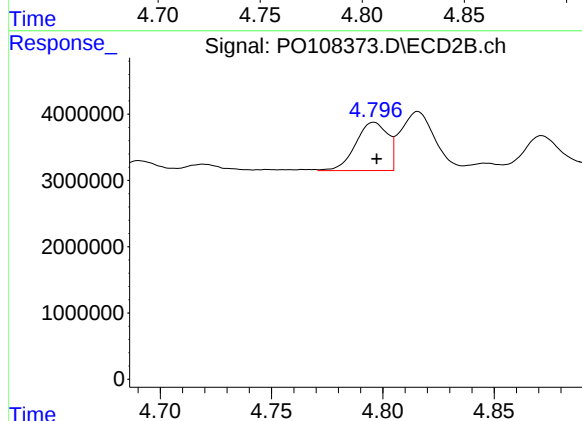
#16 AR-1242-1

R.T.: 4.806 min  
Delta R.T.: -0.001 min  
Response: 13771137  
Conc: 54.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

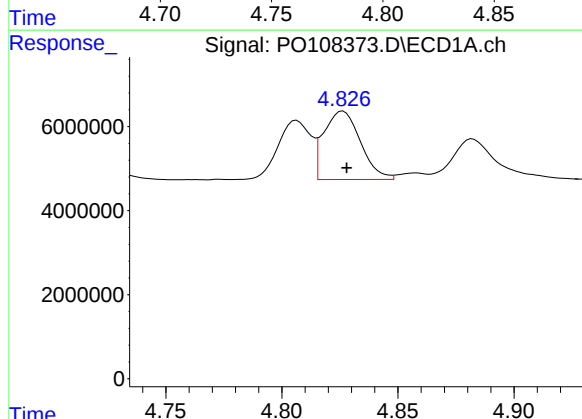
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



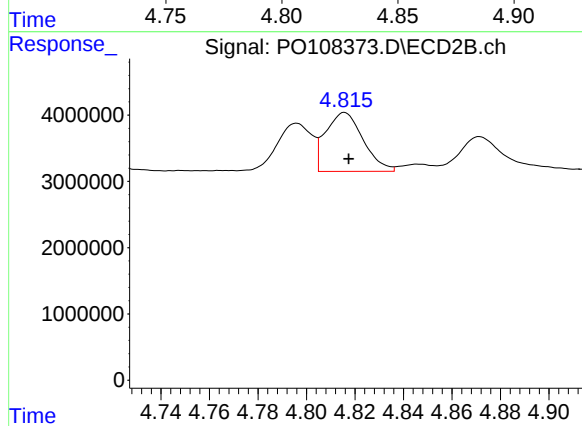
#16 AR-1242-1

R.T.: 4.796 min  
Delta R.T.: -0.001 min  
Response: 7309320  
Conc: 55.10 ng/ml



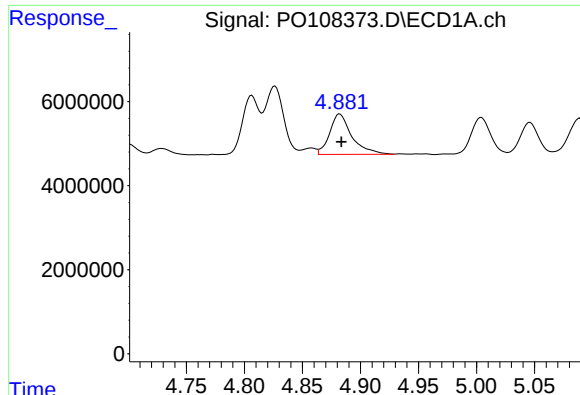
#17 AR-1242-2

R.T.: 4.826 min  
Delta R.T.: -0.002 min  
Response: 17939884  
Conc: 52.82 ng/ml



#17 AR-1242-2

R.T.: 4.816 min  
Delta R.T.: -0.002 min  
Response: 9549021  
Conc: 52.11 ng/ml



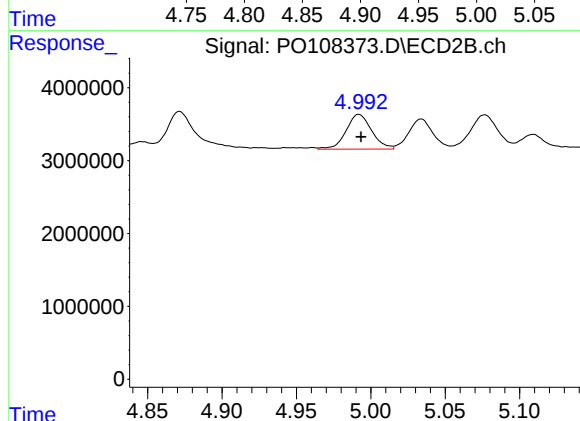
#18 AR-1242-3

R.T.: 4.882 min  
Delta R.T.: -0.001 min  
Response: 12765923  
Conc: 53.64 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

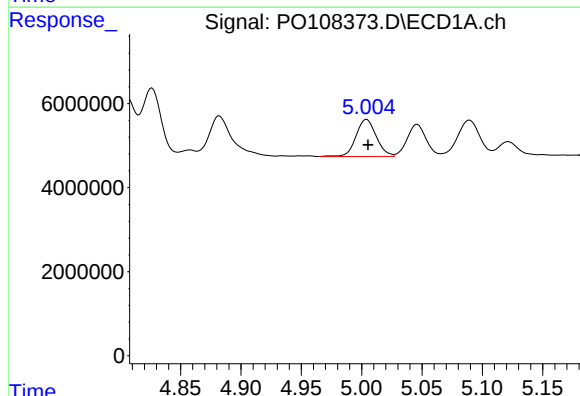
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



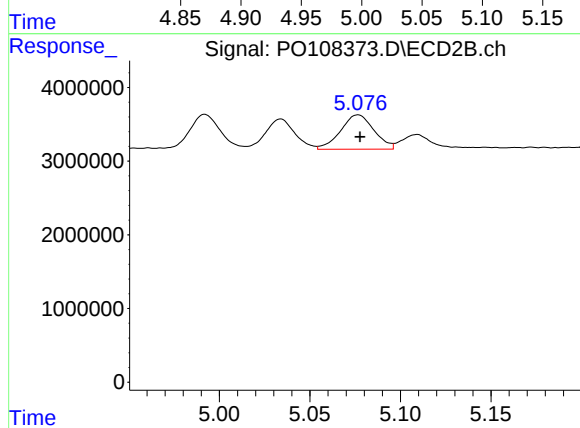
#18 AR-1242-3

R.T.: 4.992 min  
Delta R.T.: -0.001 min  
Response: 5700607  
Conc: 55.37 ng/ml



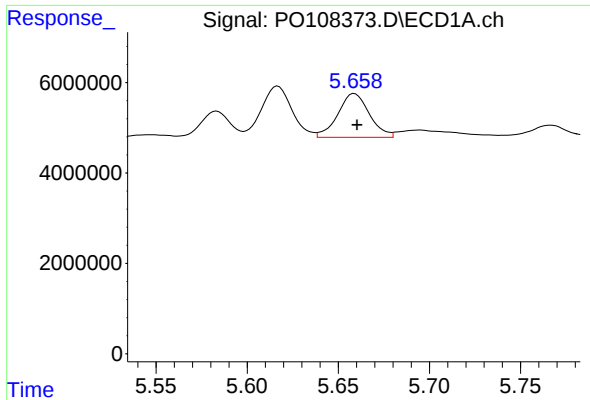
#19 AR-1242-4

R.T.: 5.004 min  
Delta R.T.: -0.001 min  
Response: 10336411  
Conc: 55.29 ng/ml



#19 AR-1242-4

R.T.: 5.077 min  
Delta R.T.: -0.001 min  
Response: 5979654  
Conc: 57.27 ng/ml



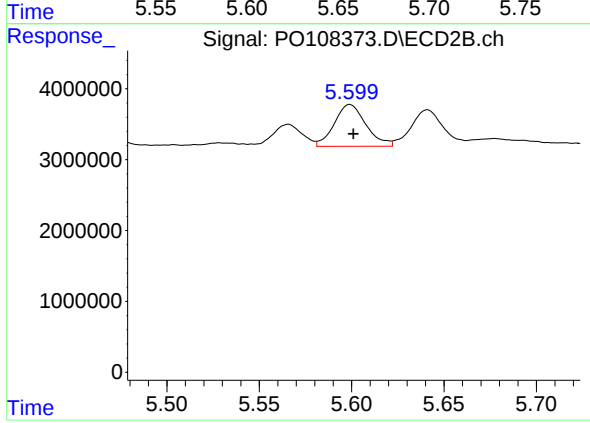
#20 AR-1242-5

R.T.: 5.658 min  
Delta R.T.: -0.002 min  
Response: 11699197  
Conc: 59.24 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



#20 AR-1242-5

R.T.: 5.599 min  
Delta R.T.: -0.002 min  
Response: 7040034  
Conc: 57.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108374.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:59  
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: Dec 07 03:53:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 874.2E6 | 496.6E6  | 93.578  | 94.826  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 704.2E6 | 381.2E6  | 91.719  | 91.964  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.807 | 4.797 | 180.4E6 | 96151235 | 902.658 | 905.308 |
| 22) L5 AR-1248-2            | 5.047 | 5.035 | 246.3E6 | 134.5E6  | 889.469 | 895.026 |
| 23) L5 AR-1248-3            | 5.263 | 5.077 | 307.8E6 | 143.3E6  | 899.086 | 897.430 |
| 24) L5 AR-1248-4            | 5.618 | 5.249 | 437.7E6 | 168.4E6  | 912.944 | 911.152 |
| 25) L5 AR-1248-5            | 5.660 | 5.643 | 308.8E6 | 162.2E6  | 910.430 | 920.672 |
| -----                       |       |       |         |          |         |         |

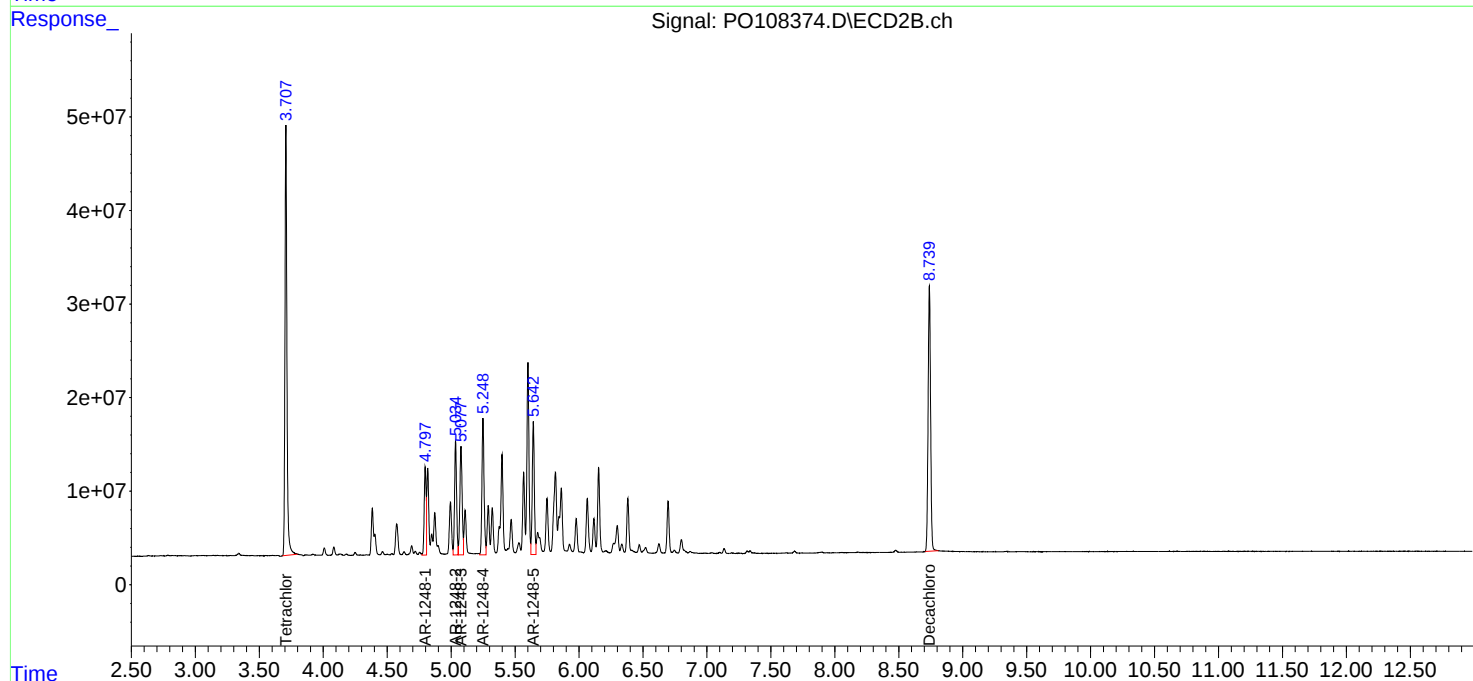
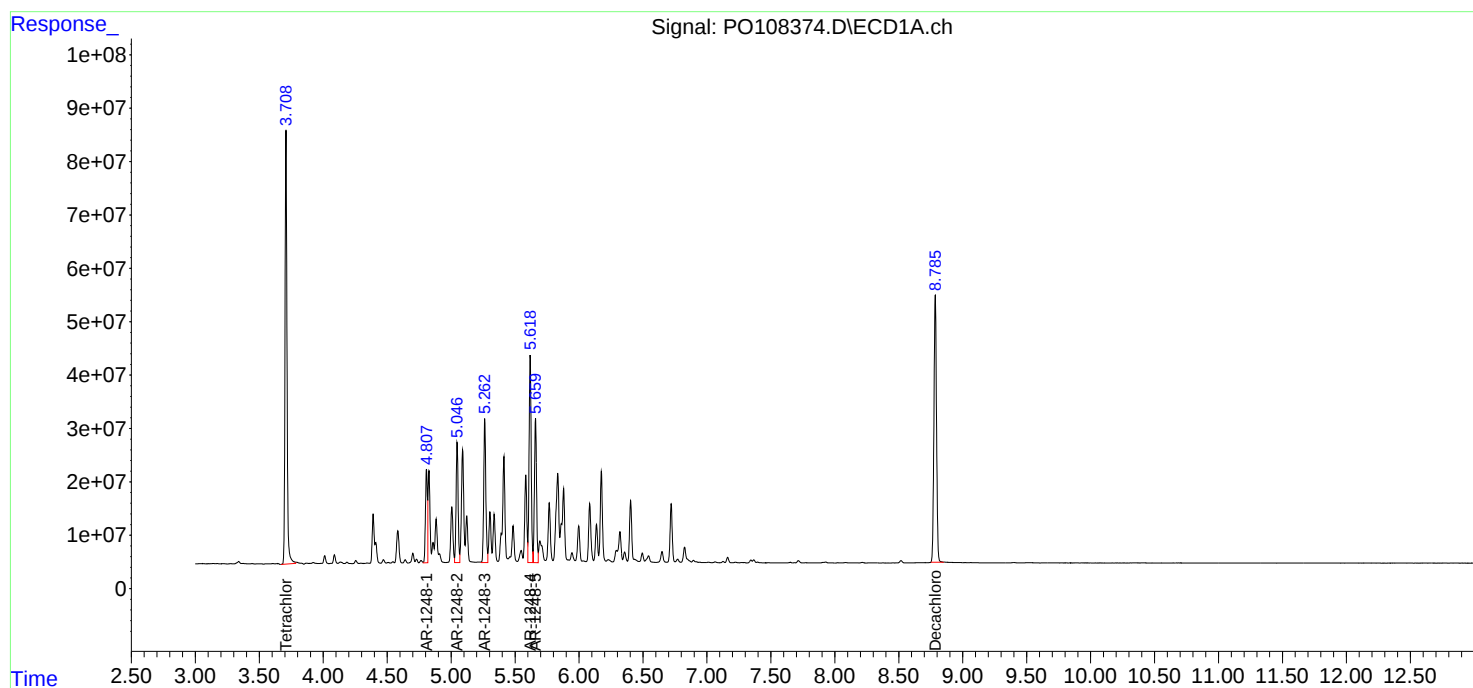
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

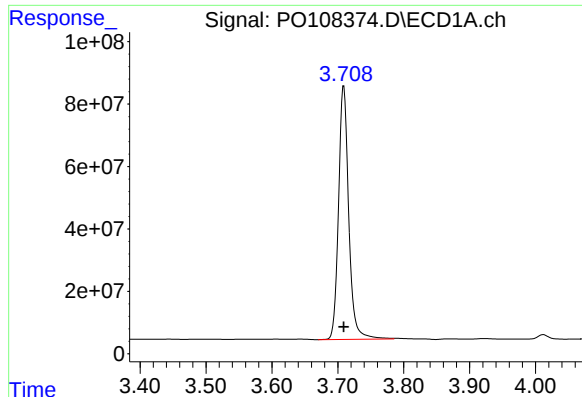
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108374.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:59  
Operator : YP/AJ  
Sample : AR1248ICC1000  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:53:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

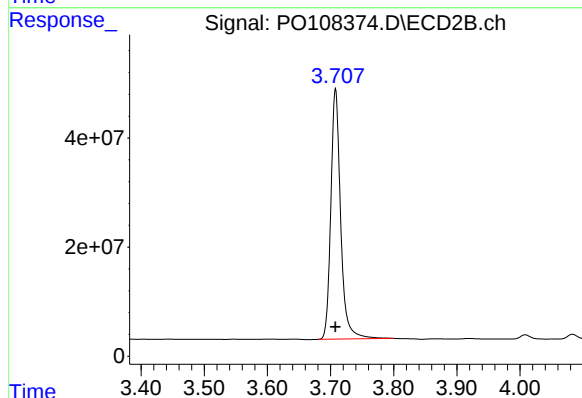




## #1 Tetrachloro-m-xylene

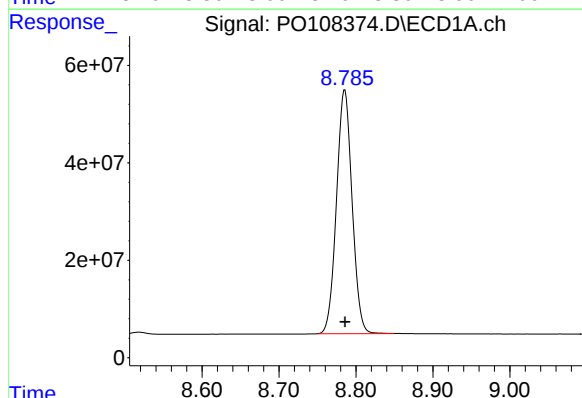
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 874248309  
Conc: 93.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



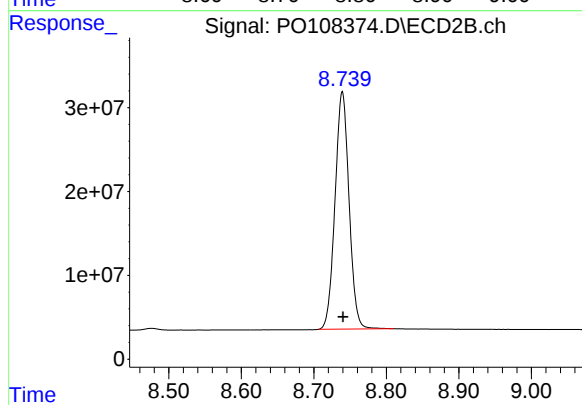
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 496564615  
Conc: 94.83 ng/ml



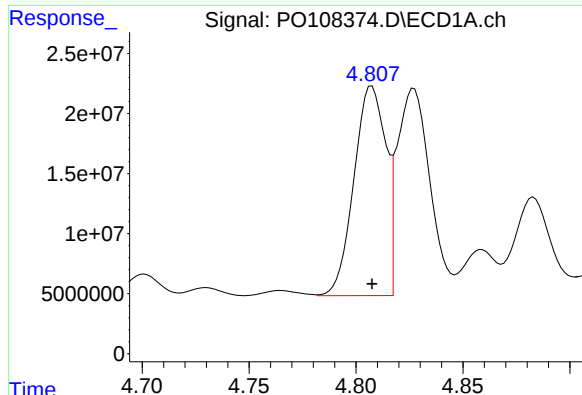
## #2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 704197105  
Conc: 91.72 ng/ml



## #2 Decachlorobiphenyl

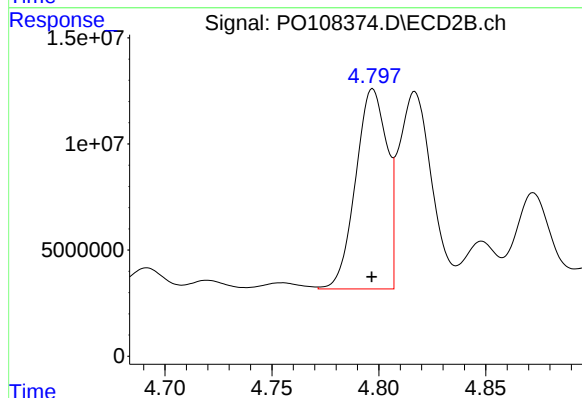
R.T.: 8.739 min  
Delta R.T.: -0.001 min  
Response: 381224993  
Conc: 91.96 ng/ml



#21 AR-1248-1

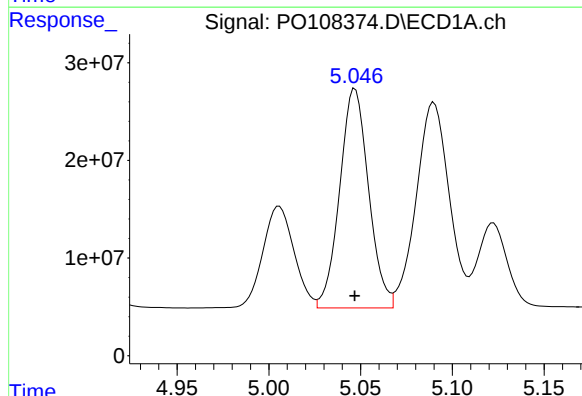
R.T.: 4.807 min  
Delta R.T.: 0.000 min  
Response: 180443308  
Conc: 902.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



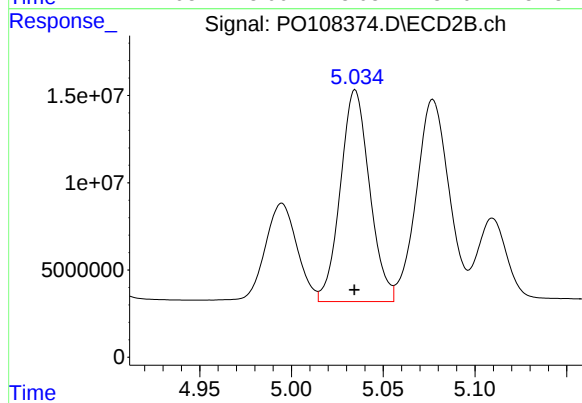
#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 96151235  
Conc: 905.31 ng/ml



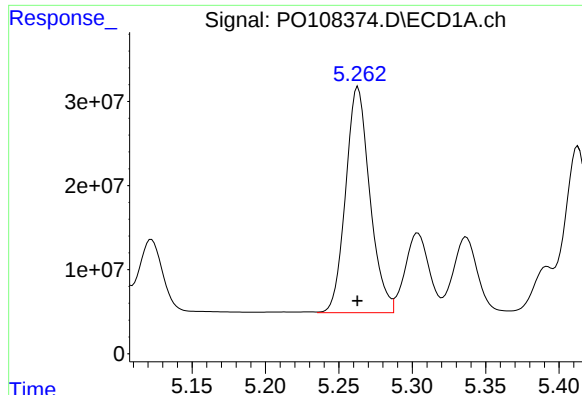
#22 AR-1248-2

R.T.: 5.047 min  
Delta R.T.: 0.000 min  
Response: 246301061  
Conc: 889.47 ng/ml



#22 AR-1248-2

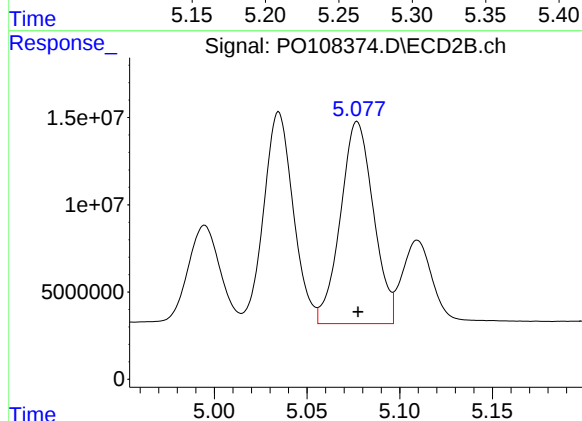
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 134456241  
Conc: 895.03 ng/ml



#23 AR-1248-3

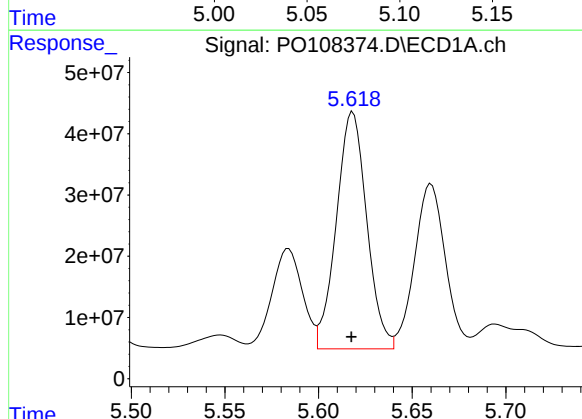
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 307776547  
Conc: 899.09 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



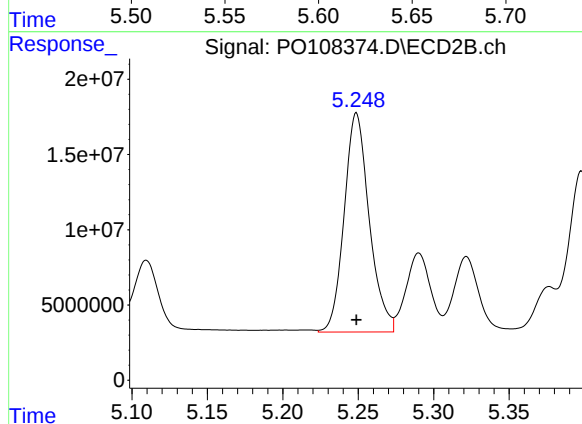
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 143332101  
Conc: 897.43 ng/ml



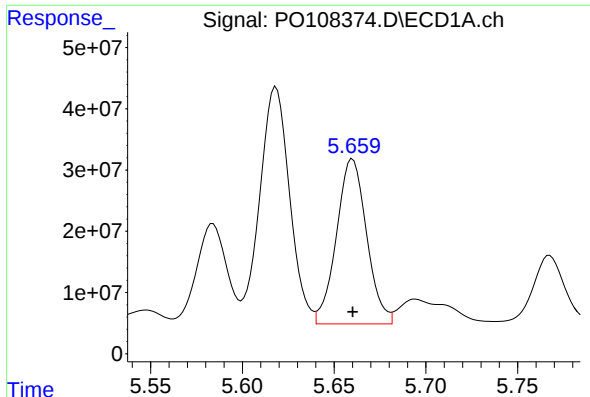
#24 AR-1248-4

R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 437732929  
Conc: 912.94 ng/ml



#24 AR-1248-4

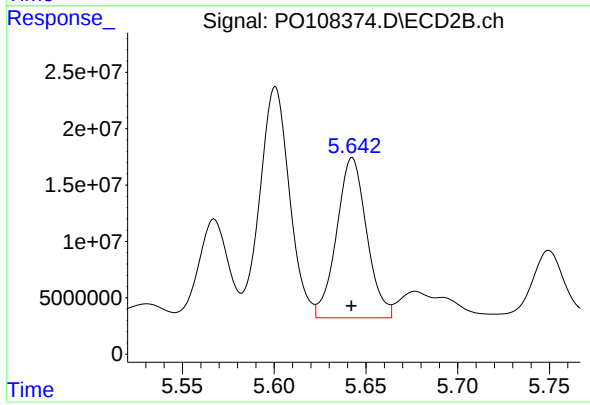
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 168393487  
Conc: 911.15 ng/ml



#25 AR-1248-5

R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 308766537  
Conc: 910.43 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000



#25 AR-1248-5

R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 162171392  
Conc: 920.67 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108375.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:18  
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: Dec 07 03:54:10 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 683.8E6 | 385.8E6  | 73.188  | 73.674  |
| 2) SA Decachlor...          | 8.787 | 8.739 | 550.5E6 | 298.0E6  | 71.701  | 71.892  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.807 | 4.797 | 143.2E6 | 75879957 | 716.165 | 714.444 |
| 22) L5 AR-1248-2            | 5.047 | 5.035 | 196.8E6 | 106.9E6  | 710.590 | 711.516 |
| 23) L5 AR-1248-3            | 5.263 | 5.077 | 244.9E6 | 113.3E6  | 715.291 | 709.469 |
| 24) L5 AR-1248-4            | 5.617 | 5.249 | 343.4E6 | 133.0E6  | 716.151 | 719.504 |
| 25) L5 AR-1248-5            | 5.660 | 5.643 | 242.5E6 | 126.2E6  | 714.899 | 716.296 |
| -----                       |       |       |         |          |         |         |

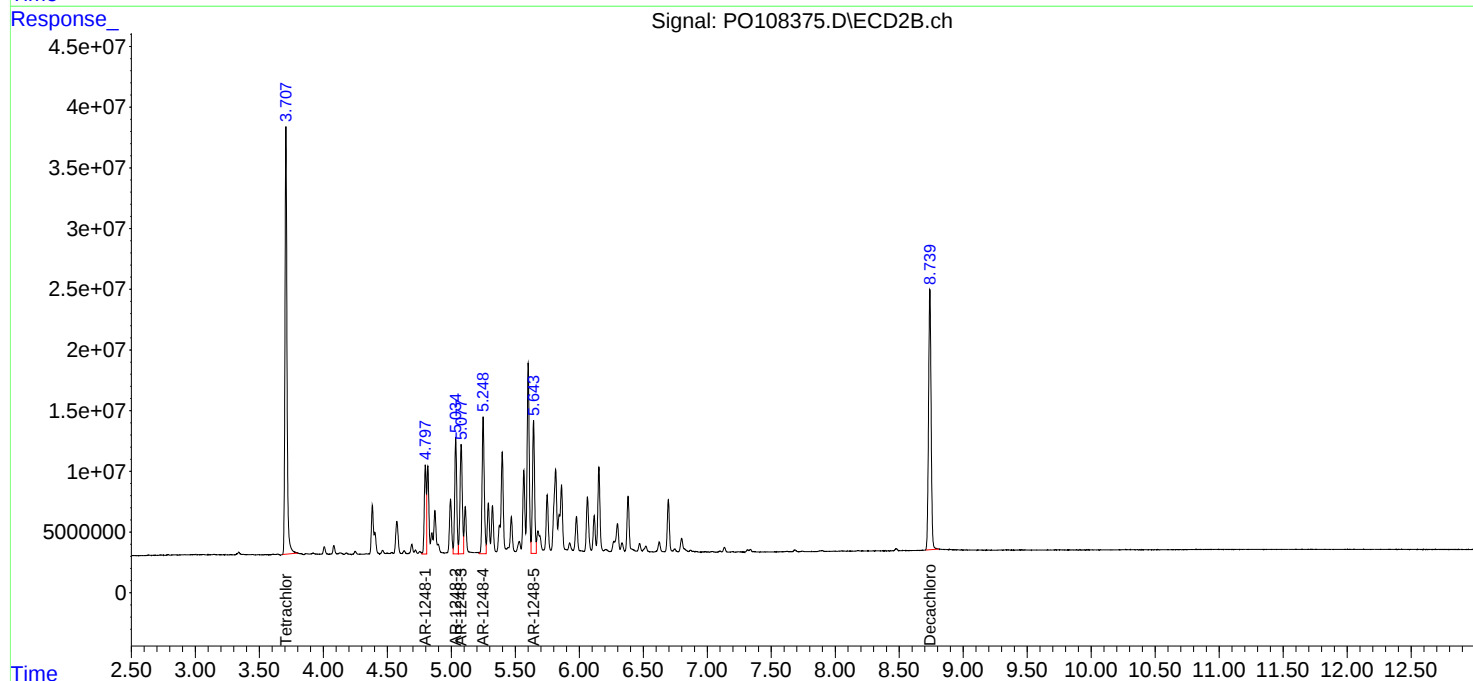
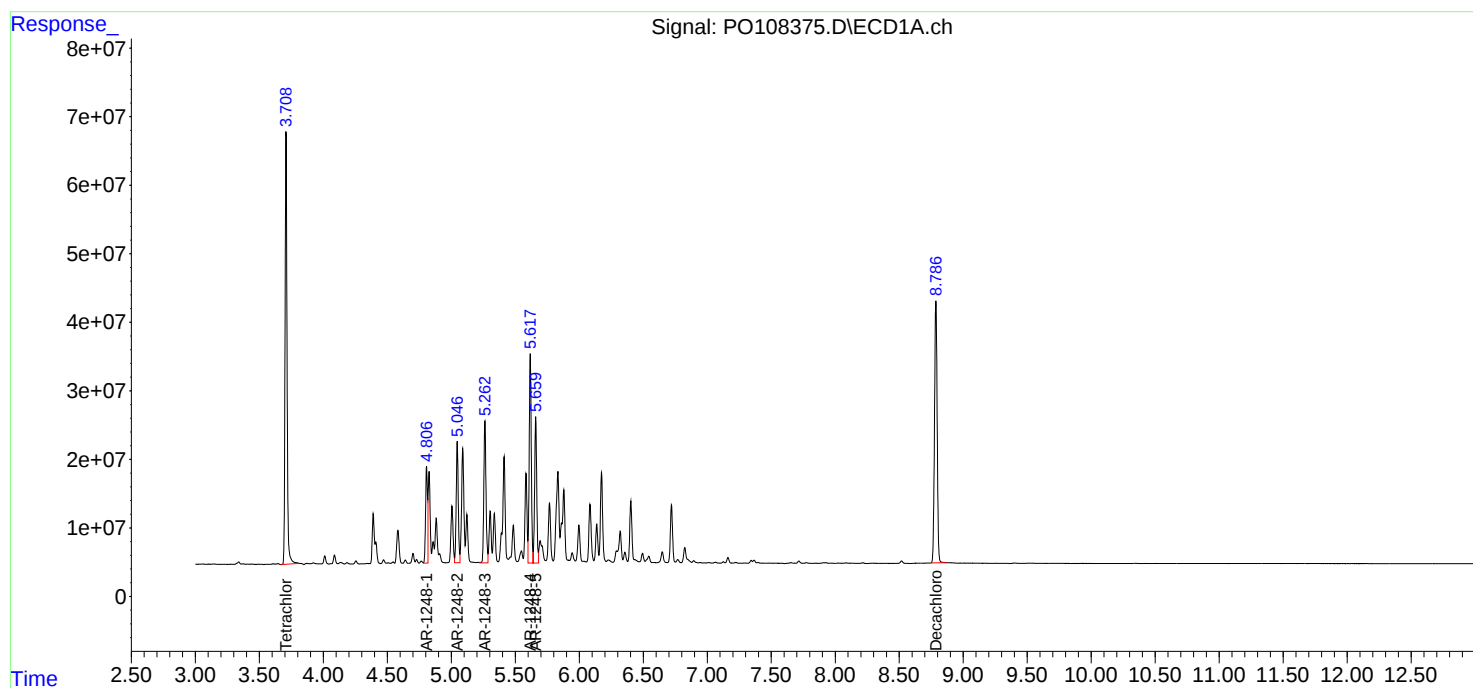
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

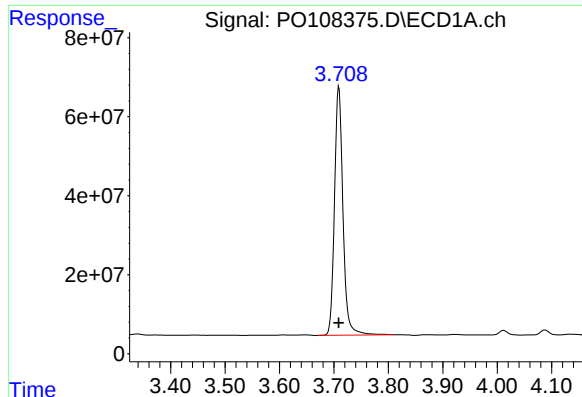
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108375.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:18  
Operator : YP/AJ  
Sample : AR1248ICC750  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:10 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

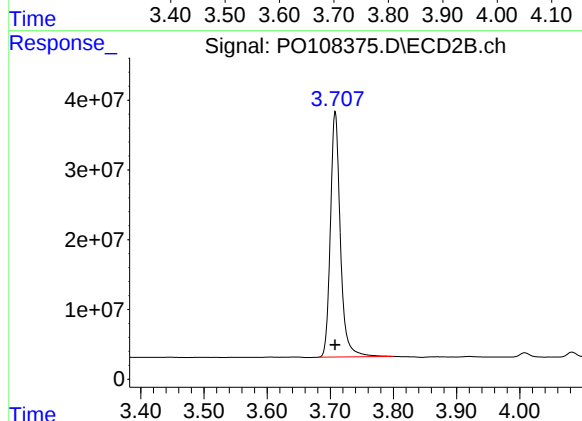




## #1 Tetrachloro-m-xylene

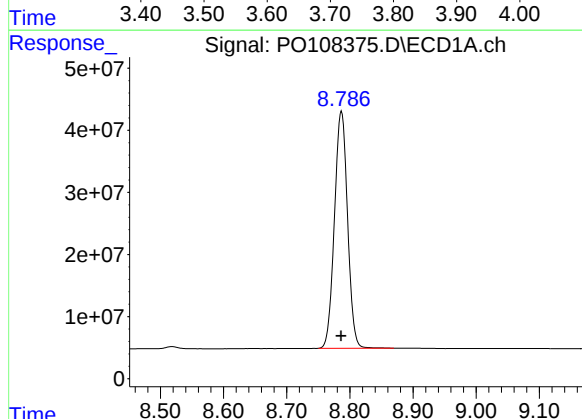
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 683755859  
Conc: 73.19 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



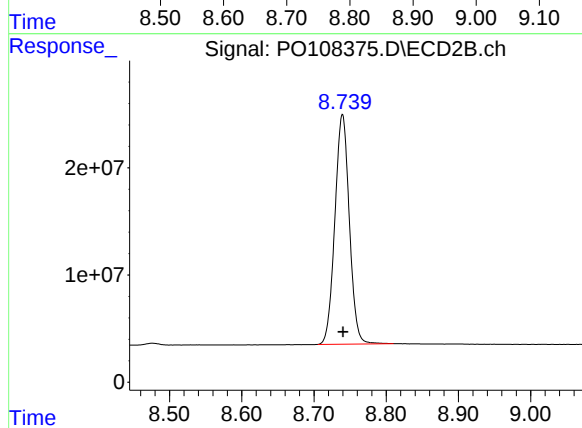
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 385799058  
Conc: 73.67 ng/ml



## #2 Decachlorobiphenyl

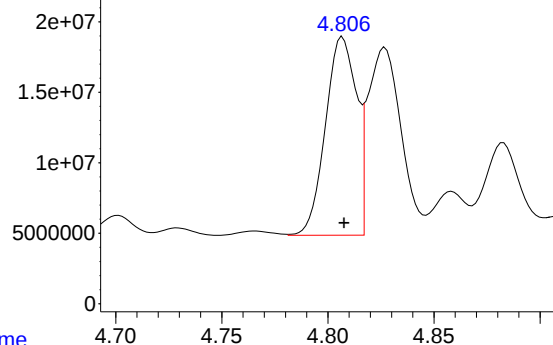
R.T.: 8.787 min  
Delta R.T.: 0.000 min  
Response: 550500140  
Conc: 71.70 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 298021090  
Conc: 71.89 ng/ml

Response\_ Signal: PO108375.D\ECD1A.ch

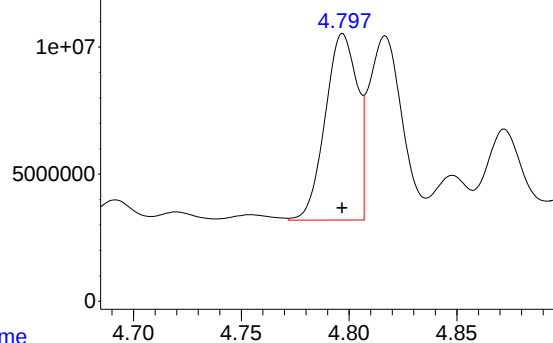


#21 AR-1248-1

R.T.: 4.807 min  
Delta R.T.: 0.000 min  
Response: 143162907  
Conc: 716.16 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750

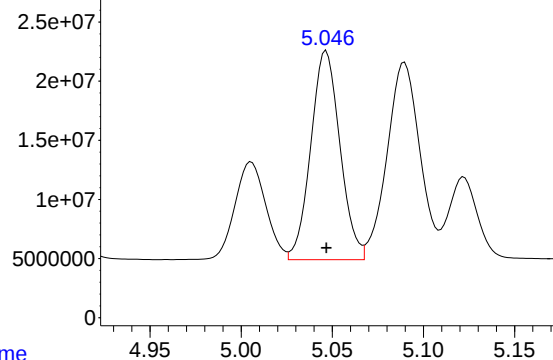
Time Response\_ Signal: PO108375.D\ECD2B.ch



#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 75879957  
Conc: 714.44 ng/ml

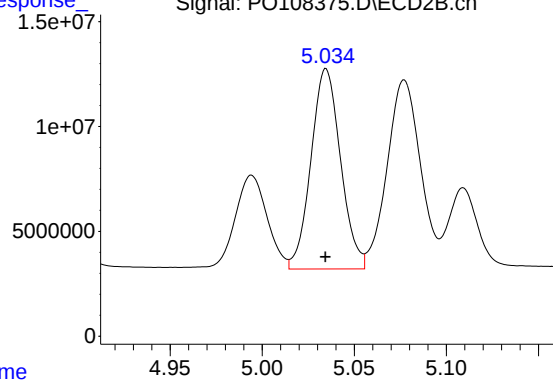
Time Response\_ Signal: PO108375.D\ECD1A.ch



#22 AR-1248-2

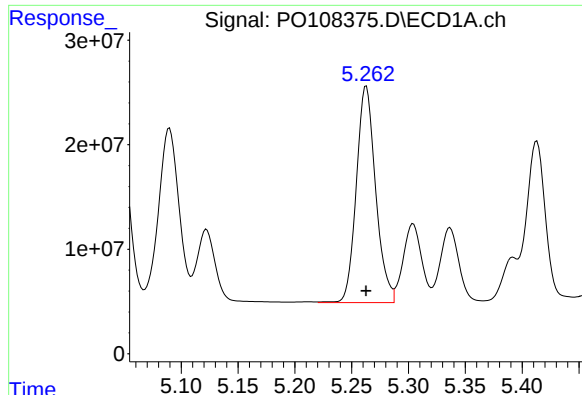
R.T.: 5.047 min  
Delta R.T.: 0.000 min  
Response: 196768011  
Conc: 710.59 ng/ml

Time Response\_ Signal: PO108375.D\ECD2B.ch



#22 AR-1248-2

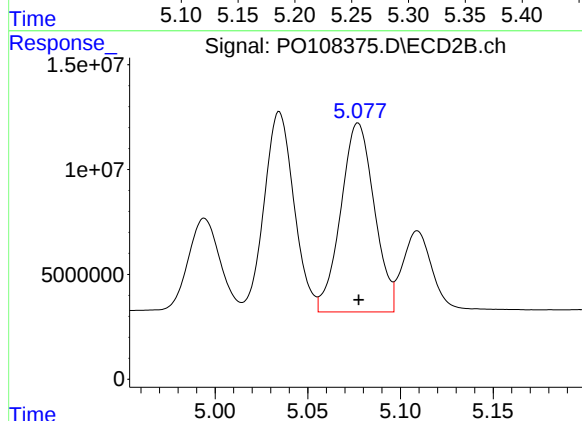
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 106888220  
Conc: 711.52 ng/ml



#23 AR-1248-3

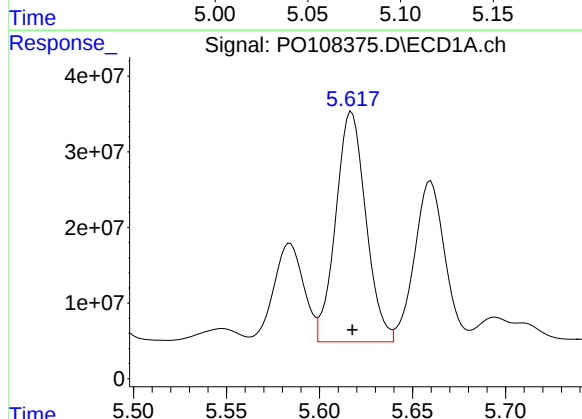
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 244859698  
Conc: 715.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



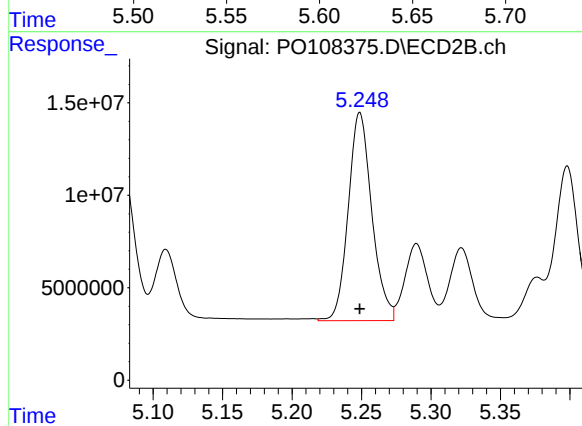
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 113312210  
Conc: 709.47 ng/ml



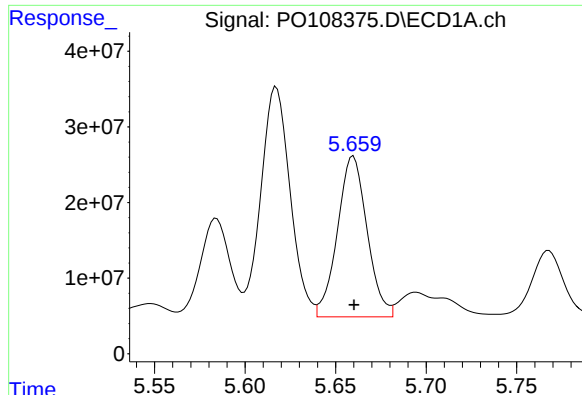
#24 AR-1248-4

R.T.: 5.617 min  
Delta R.T.: 0.000 min  
Response: 343376008  
Conc: 716.15 ng/ml



#24 AR-1248-4

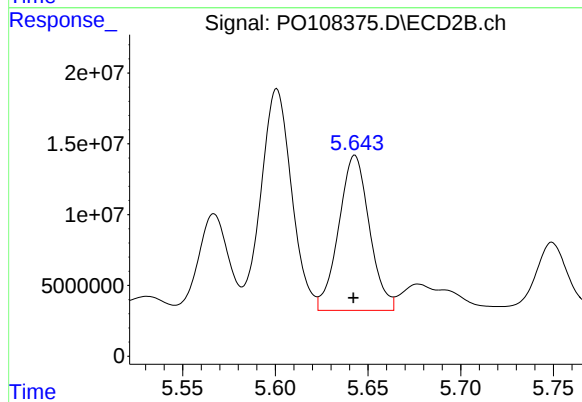
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 132974402  
Conc: 719.50 ng/ml



#25 AR-1248-5

R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 242453655  
Conc: 714.90 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750



#25 AR-1248-5

R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 126171600  
Conc: 716.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108376.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:36  
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: Dec 07 03:54:26 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 467.1E6  | 261.8E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.786 | 8.740 | 383.9E6  | 207.3E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.808 | 4.797 | 99951066 | 53104178 | 500.000 | 500.000 |
| 22) L5 AR-1248-2            | 5.047 | 5.034 | 138.5E6  | 75113048 | 500.000 | 500.000 |
| 23) L5 AR-1248-3            | 5.263 | 5.077 | 171.2E6  | 79857015 | 500.000 | 500.000 |
| 24) L5 AR-1248-4            | 5.618 | 5.249 | 239.7E6  | 92406937 | 500.000 | 500.000 |
| 25) L5 AR-1248-5            | 5.660 | 5.642 | 169.6E6  | 88072281 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

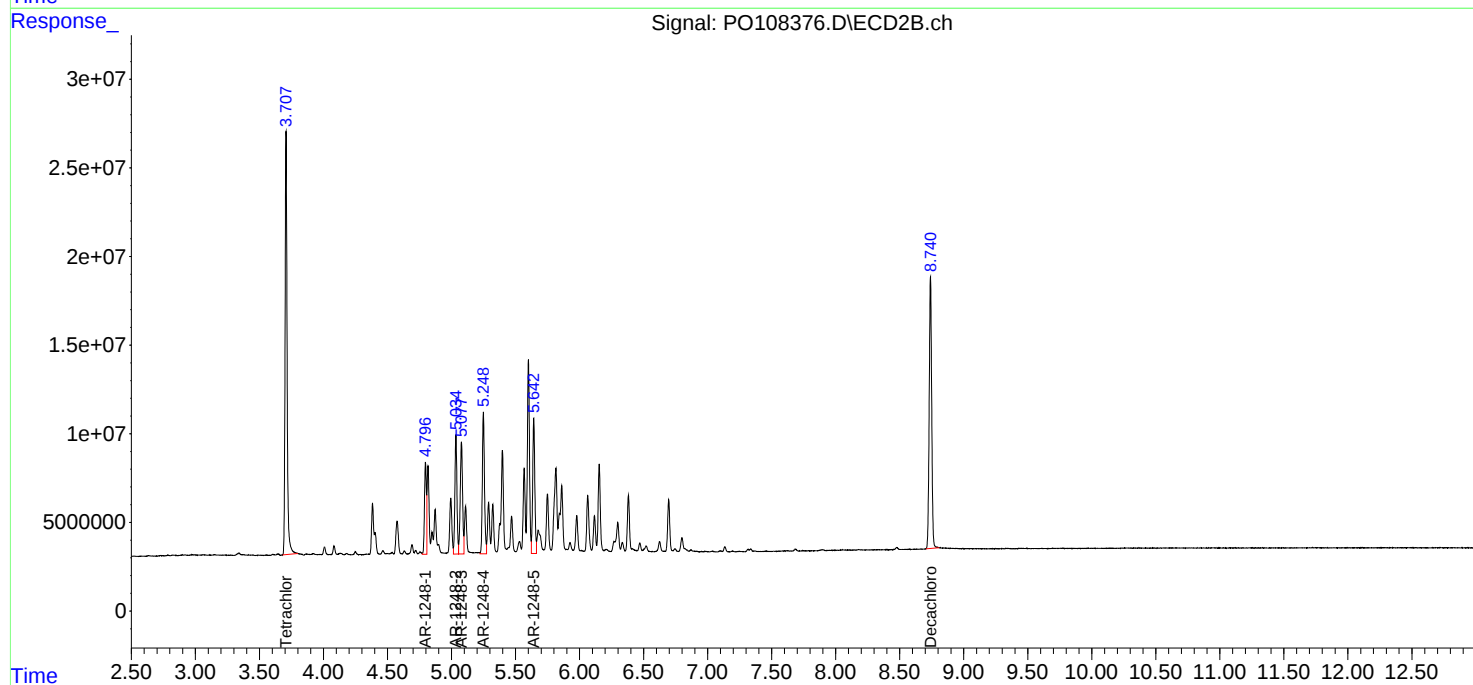
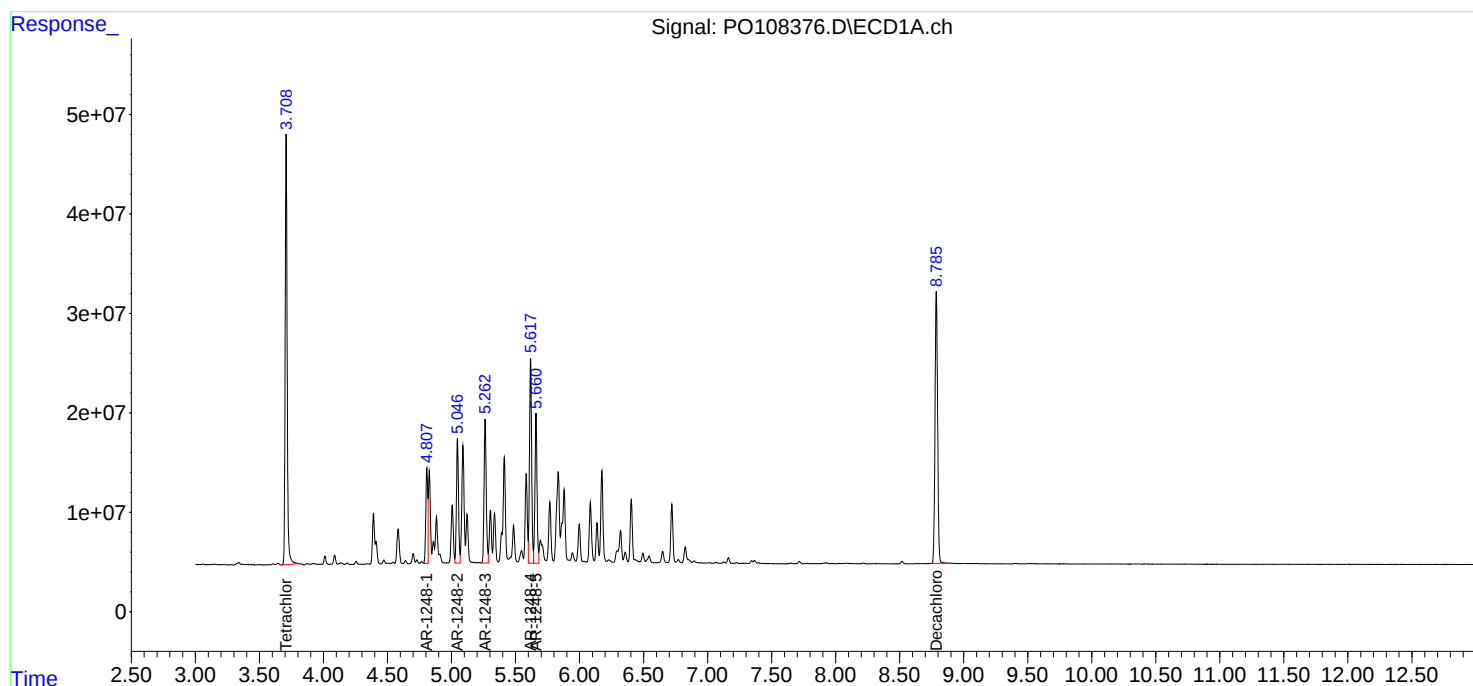
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108376.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:36  
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: Dec 07 03:54:26 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108376.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 467121978  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500

Time

Response\_ Signal: PO108376.D\ECD2B.ch

#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 261828717  
Conc: 50.00 ng/ml

Time

Response\_ Signal: PO108376.D\ECD1A.ch

#2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 383888633  
Conc: 50.00 ng/ml

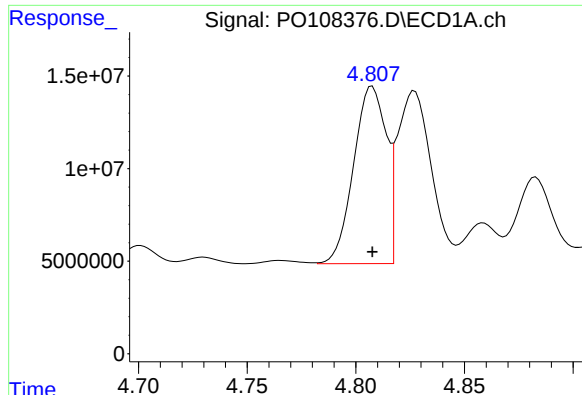
Time

Response\_ Signal: PO108376.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.740 min  
Delta R.T.: 0.000 min  
Response: 207269034  
Conc: 50.00 ng/ml

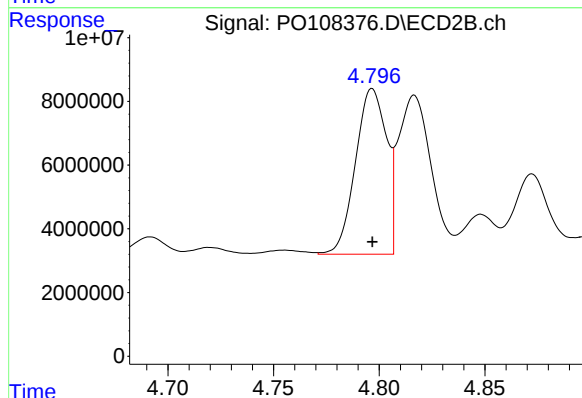
Time



#21 AR-1248-1

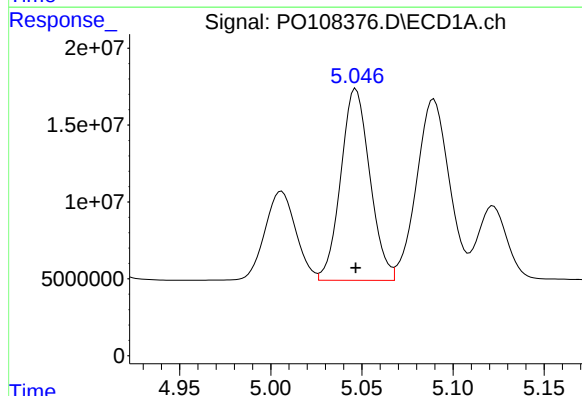
R.T.: 4.808 min  
Delta R.T.: 0.000 min  
Response: 99951066  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



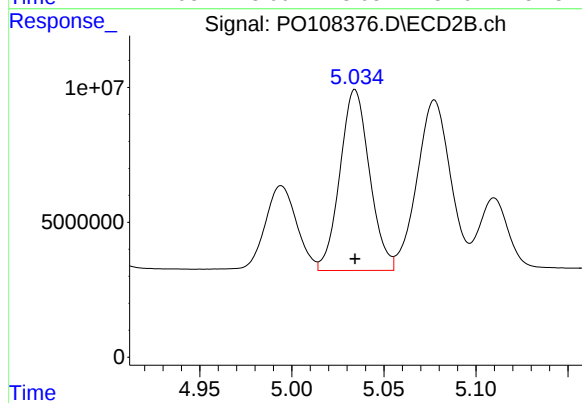
#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 53104178  
Conc: 500.00 ng/ml



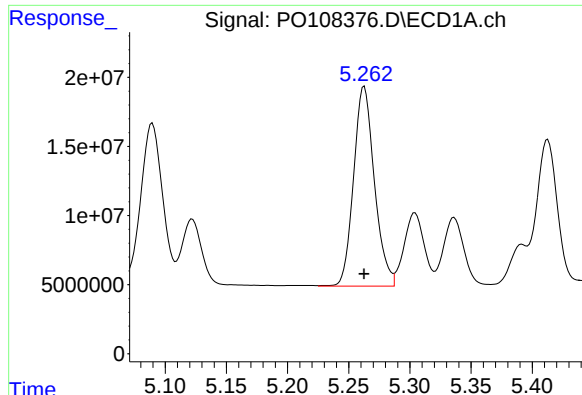
#22 AR-1248-2

R.T.: 5.047 min  
Delta R.T.: 0.000 min  
Response: 138453917  
Conc: 500.00 ng/ml



#22 AR-1248-2

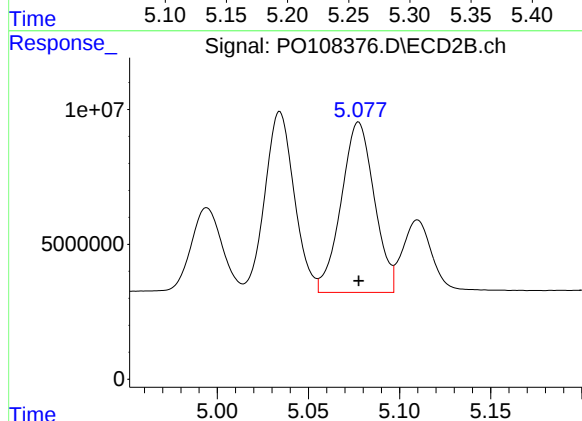
R.T.: 5.034 min  
Delta R.T.: 0.000 min  
Response: 75113048  
Conc: 500.00 ng/ml



#23 AR-1248-3

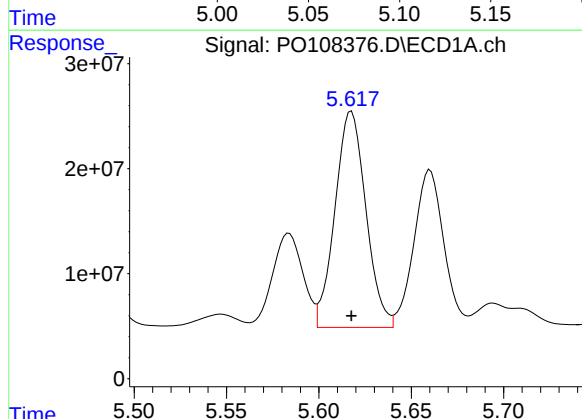
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 171160853  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



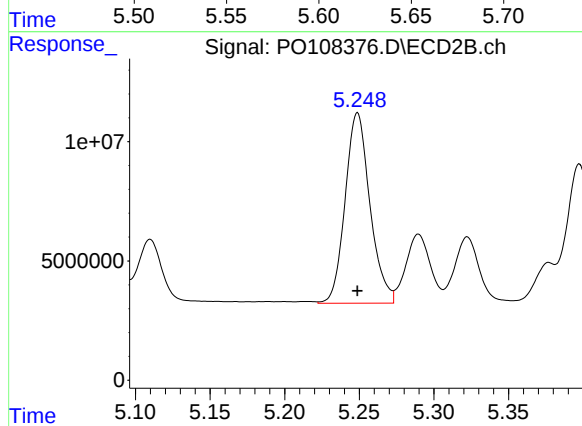
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 79857015  
Conc: 500.00 ng/ml



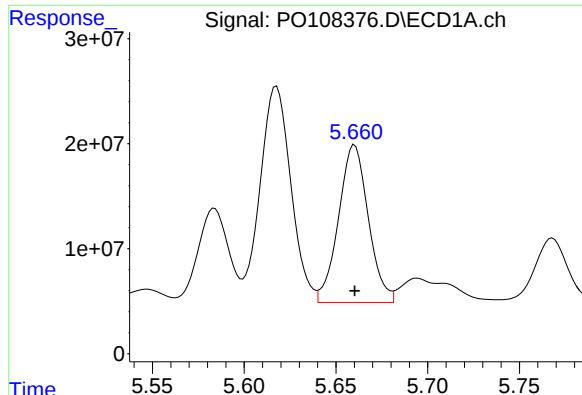
#24 AR-1248-4

R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 239737122  
Conc: 500.00 ng/ml



#24 AR-1248-4

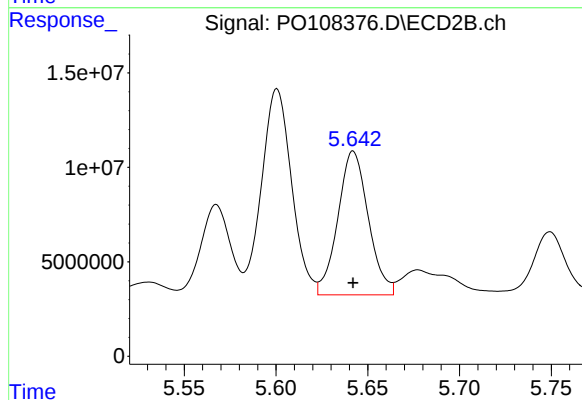
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 92406937  
Conc: 500.00 ng/ml



#25 AR-1248-5

R.T.: 5.660 min  
Delta R.T.: 0.000 min  
Response: 169571851  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500



#25 AR-1248-5

R.T.: 5.642 min  
Delta R.T.: 0.000 min  
Response: 88072281  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108377.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:54  
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: Dec 07 03:54:40 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.708 | 3.707 | 236.2E6  | 131.4E6  | 25.280  | 25.092  |
| 2) SA Decachlor...          | 8.785 | 8.738 | 208.4E6  | 111.1E6  | 27.138  | 26.808  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.806 | 4.796 | 53325996 | 27878130 | 266.761 | 262.485 |
| 22) L5 AR-1248-2            | 5.046 | 5.034 | 74645599 | 39915010 | 269.568 | 265.700 |
| 23) L5 AR-1248-3            | 5.261 | 5.076 | 90583311 | 42267651 | 264.615 | 264.646 |
| 24) L5 AR-1248-4            | 5.616 | 5.247 | 125.7E6  | 48425304 | 262.162 | 262.022 |
| 25) L5 AR-1248-5            | 5.659 | 5.641 | 89499607 | 45702270 | 263.899 | 259.459 |
| -----                       |       |       |          |          |         |         |

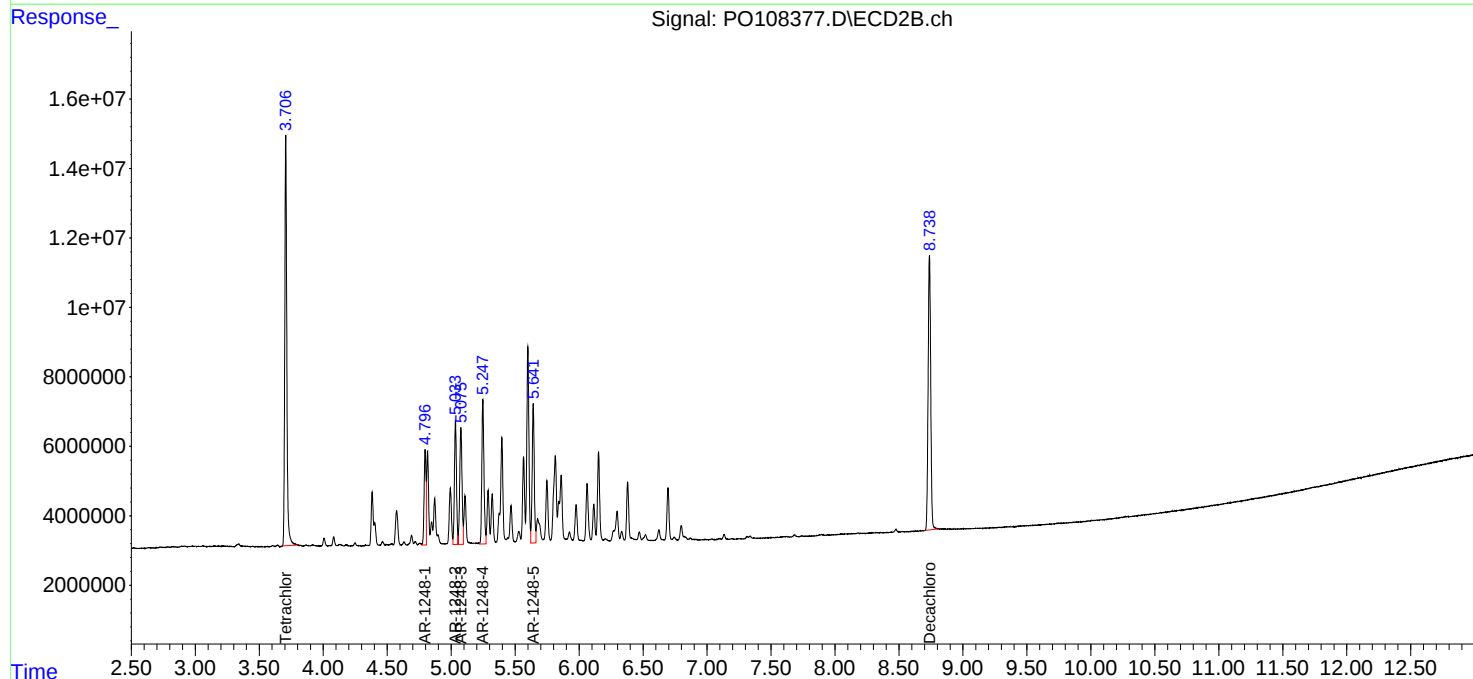
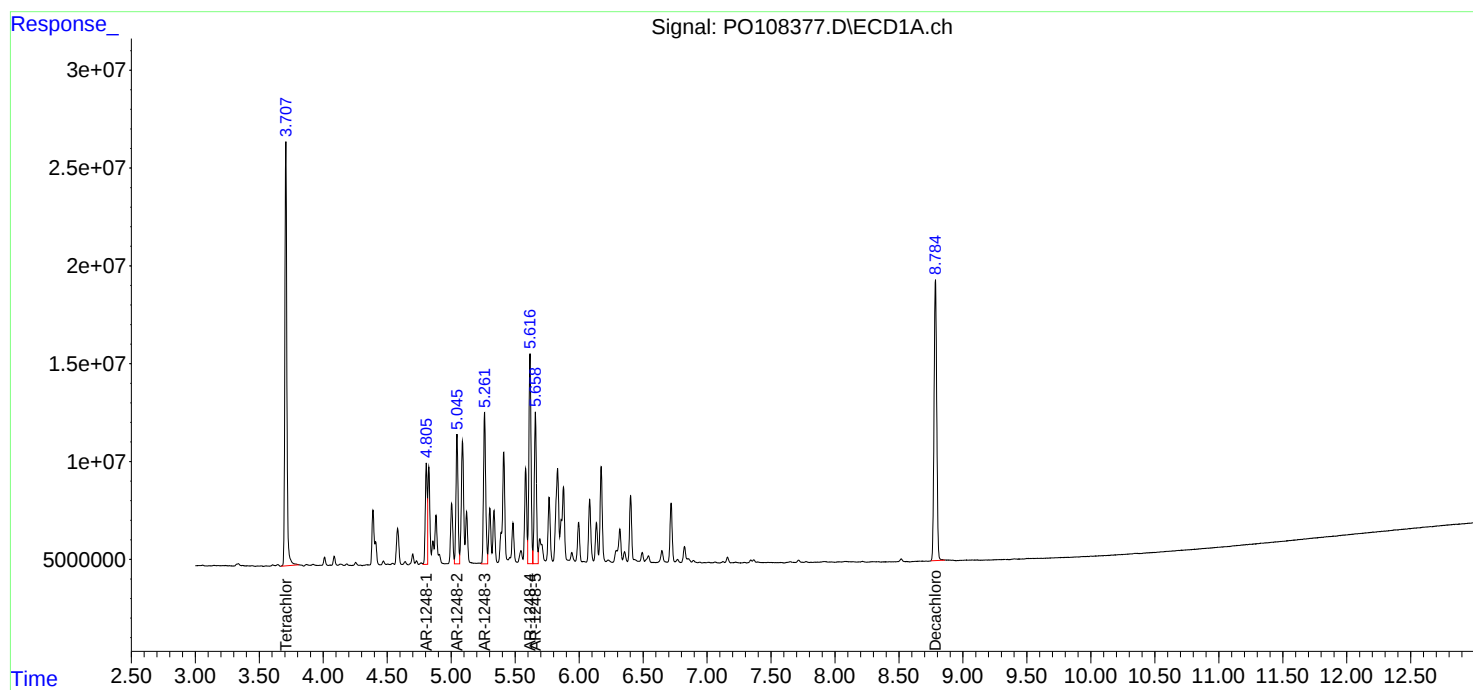
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

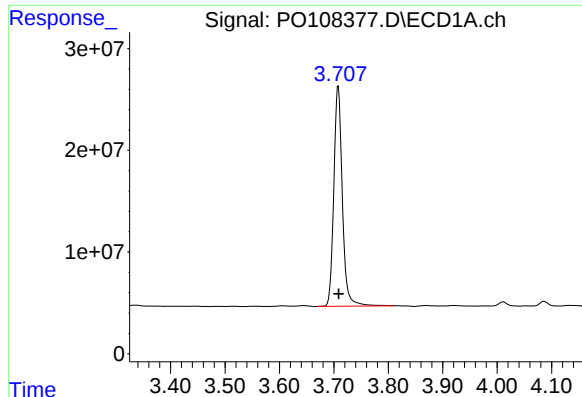
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108377.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 18:54  
Operator : YP/AJ  
Sample : AR1248ICC250  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:40 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

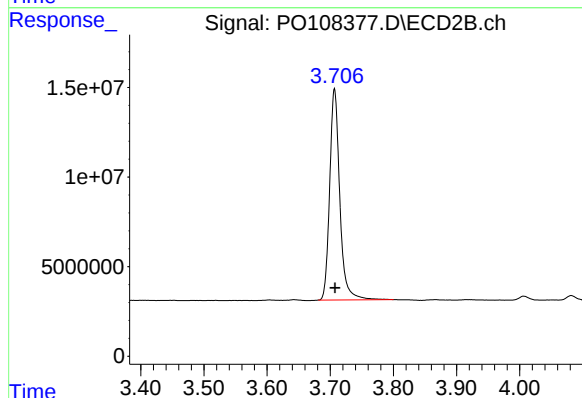




## #1 Tetrachloro-m-xylene

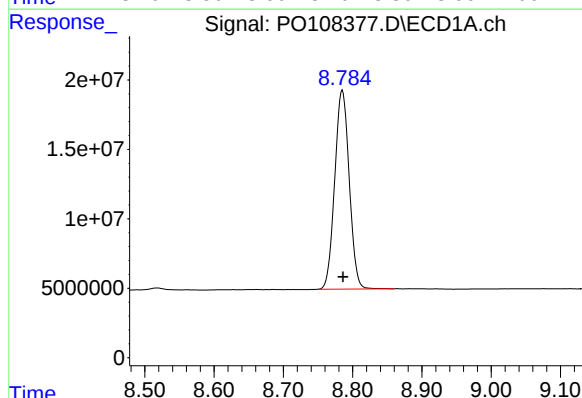
R.T.: 3.708 min  
Delta R.T.: -0.001 min  
Response: 236174076  
Conc: 25.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250



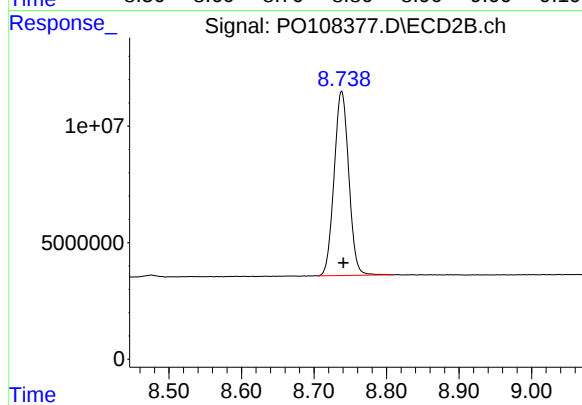
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 131396077  
Conc: 25.09 ng/ml



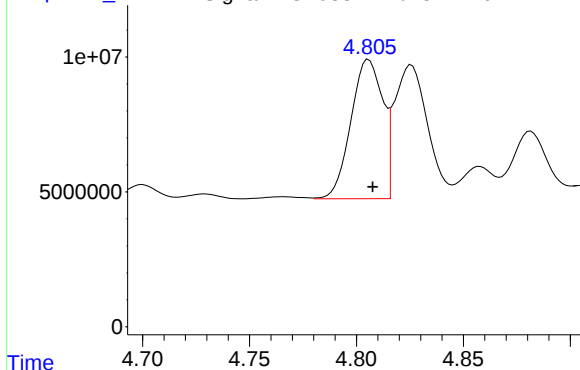
## #2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 208358214  
Conc: 27.14 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.738 min  
Delta R.T.: -0.002 min  
Response: 111127964  
Conc: 26.81 ng/ml



R.T.: 4.806 min  
Delta R.T.: -0.002 min  
Response: 53325996  
Conc: 266.76 ng/ml

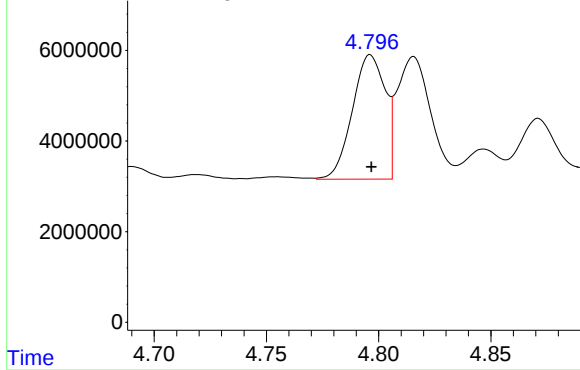
Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250

Time

Response\_

Signal: PO108377.D\ECD2B.ch

#21 AR-1248-1



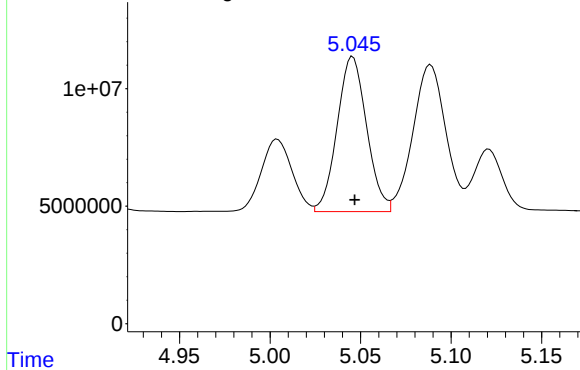
R.T.: 4.796 min  
Delta R.T.: 0.000 min  
Response: 27878130  
Conc: 262.49 ng/ml

Time

Response\_

Signal: PO108377.D\ECD1A.ch

#22 AR-1248-2



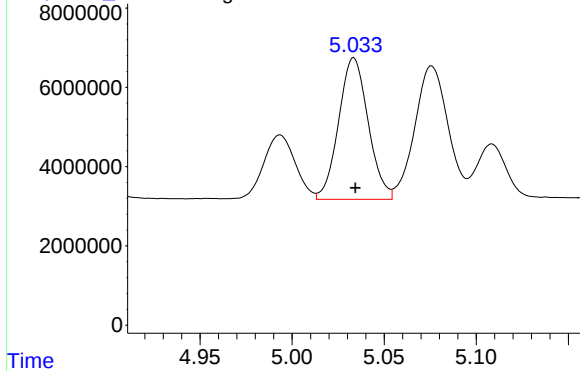
R.T.: 5.046 min  
Delta R.T.: -0.001 min  
Response: 74645599  
Conc: 269.57 ng/ml

Time

Response\_

Signal: PO108377.D\ECD2B.ch

#22 AR-1248-2



R.T.: 5.034 min  
Delta R.T.: 0.000 min  
Response: 39915010  
Conc: 265.70 ng/ml

Time

Response\_

Signal: PO108377.D\ECD1A.ch

#23 AR-1248-3

R.T.: 5.261 min

Delta R.T.: -0.001 min

Response: 90583311

Conc: 264.61 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1248ICC250

1e+07

5000000

0

5.261

+

5.15 5.20 5.25 5.30 5.35

Time

Response\_

Signal: PO108377.D\ECD2B.ch

#23 AR-1248-3

R.T.: 5.076 min

Delta R.T.: -0.002 min

Response: 42267651

Conc: 264.65 ng/ml

8000000

6000000

4000000

2000000

0

5.075

+

5.00 5.05 5.10 5.15

Time

Response\_

Signal: PO108377.D\ECD1A.ch

#24 AR-1248-4

R.T.: 5.616 min

Delta R.T.: -0.001 min

Response: 125700107

Conc: 262.16 ng/ml

1.5e+07

1e+07

5000000

0

5.616

+

5.50 5.55 5.60 5.65 5.70

Time

Response\_

Signal: PO108377.D\ECD2B.ch

#24 AR-1248-4

R.T.: 5.247 min

Delta R.T.: -0.001 min

Response: 48425304

Conc: 262.02 ng/ml

8000000

6000000

4000000

2000000

0

5.247

+

5.10 5.15 5.20 5.25 5.30 5.35

Time

Response\_

Signal: PO108377.D\ECD1A.ch

#25 AR-1248-5

R.T.: 5.659 min

Delta R.T.: -0.002 min

Response: 89499607

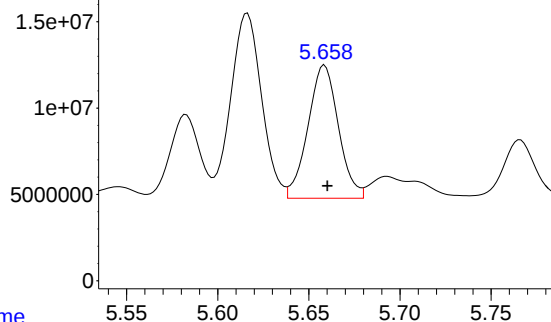
Conc: 263.90 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1248ICC250



Time

Response\_

Signal: PO108377.D\ECD2B.ch

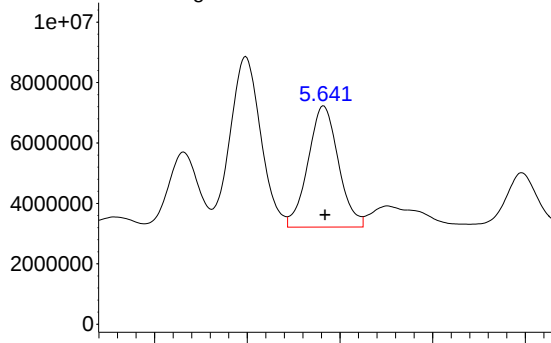
#25 AR-1248-5

R.T.: 5.641 min

Delta R.T.: 0.000 min

Response: 45702270

Conc: 259.46 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108378.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:13  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 42888882 | 23166628 | 4.591   | 4.424  |
| 2) SA Decachlor...          | 8.785 | 8.739 | 41886336 | 21478364 | 5.456   | 5.181  |
| Target Compounds            |       |       |          |          |         |        |
| 21) L5 AR-1248-1            | 4.807 | 4.797 | 10841588 | 5527464  | 54.234  | 52.044 |
| 22) L5 AR-1248-2            | 5.047 | 5.035 | 15088946 | 7988873  | 54.491  | 53.179 |
| 23) L5 AR-1248-3            | 5.262 | 5.077 | 18304358 | 8442914  | 53.471m | 52.863 |
| 24) L5 AR-1248-4            | 5.617 | 5.249 | 25239791 | 9427231  | 52.641m | 51.009 |
| 25) L5 AR-1248-5            | 5.659 | 5.643 | 18193699 | 9433171  | 53.646m | 53.554 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108378.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:13  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

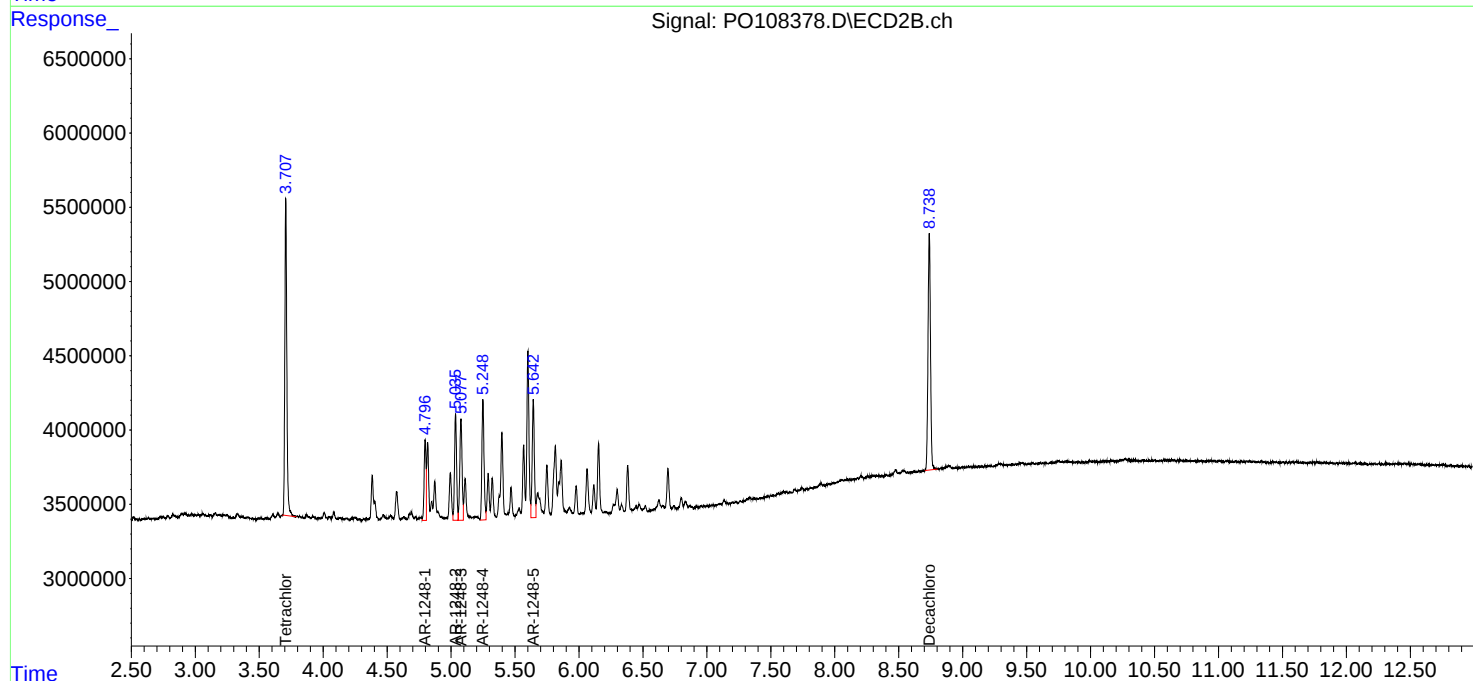
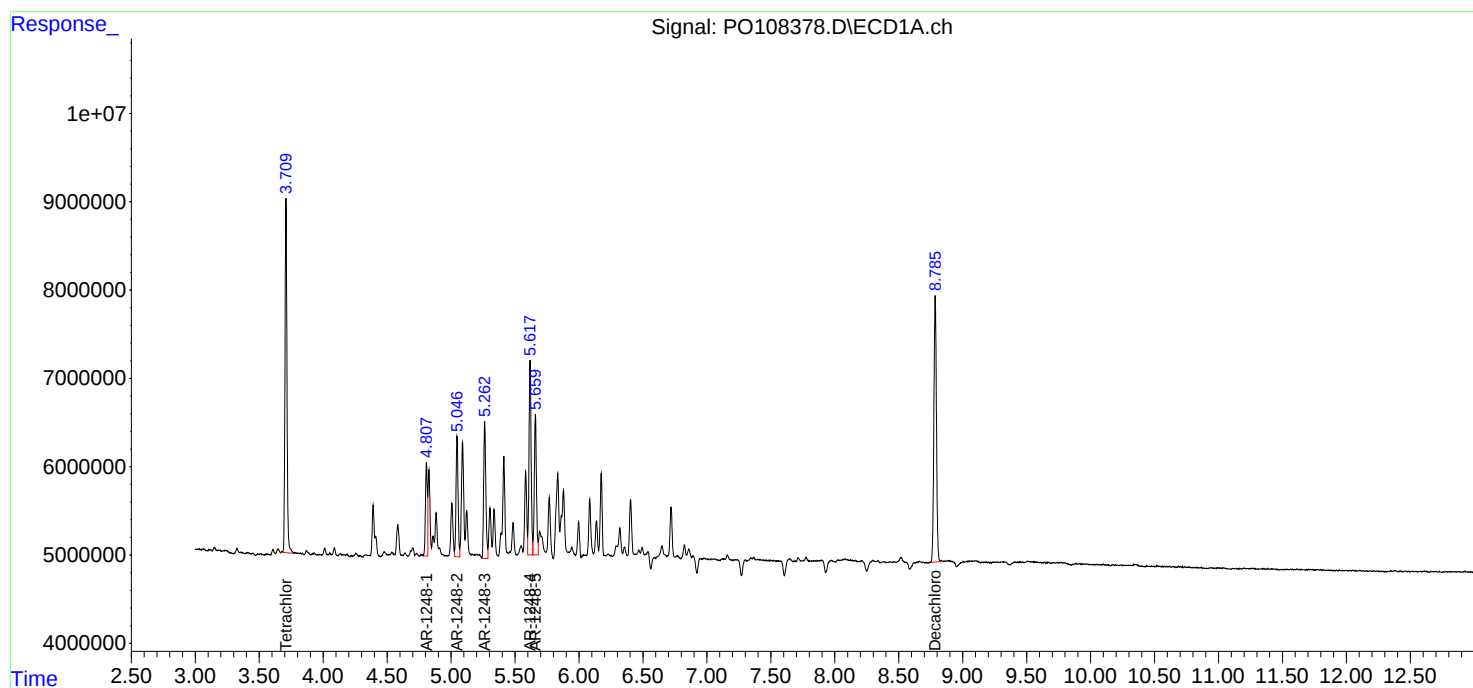
Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

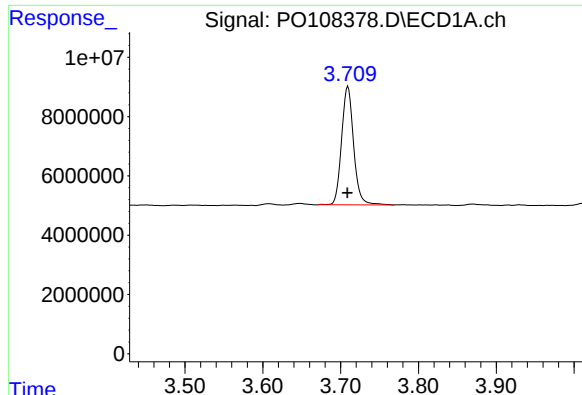
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





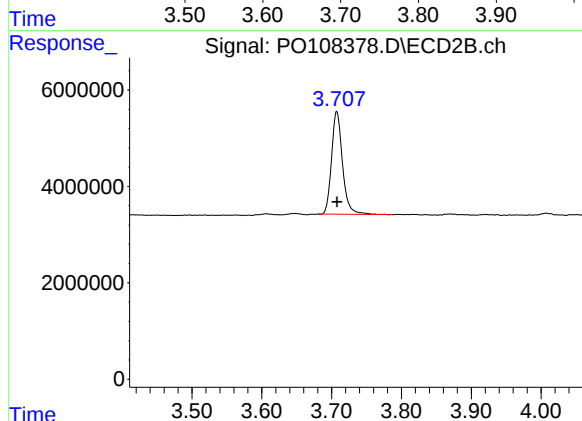
## #1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 42888882  
Conc: 4.59 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

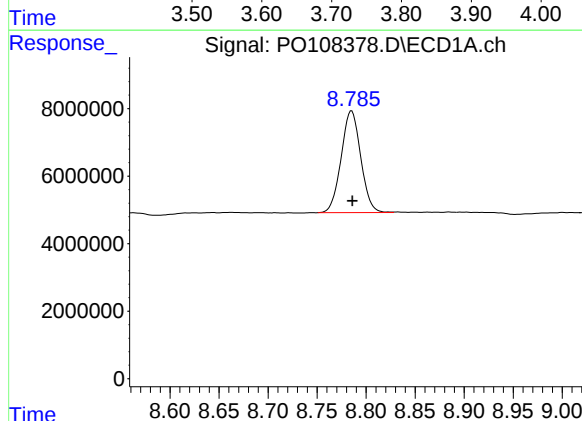
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



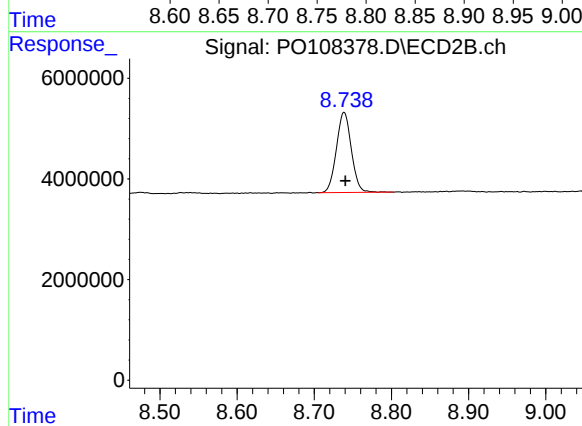
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 23166628  
Conc: 4.42 ng/ml



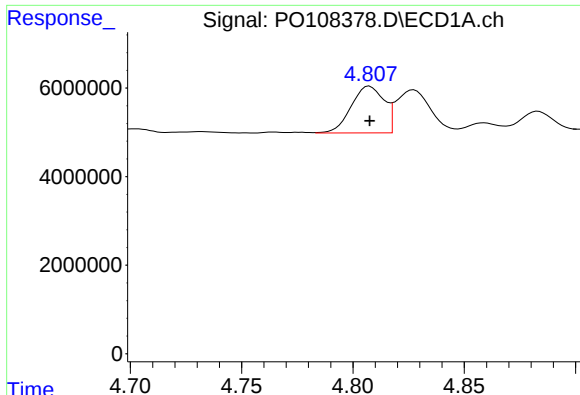
## #2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 41886336  
Conc: 5.46 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: -0.002 min  
Response: 21478364  
Conc: 5.18 ng/ml



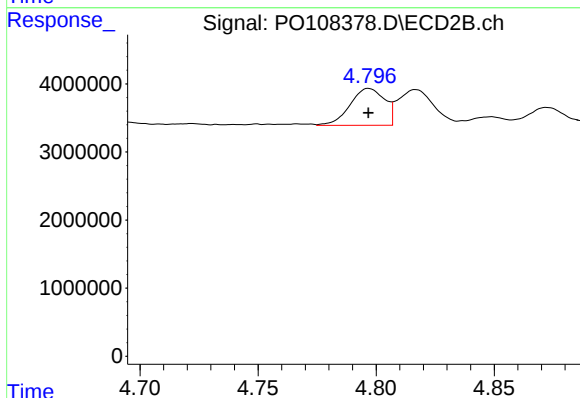
#21 AR-1248-1

R.T.: 4.807 min  
Delta R.T.: 0.000 min  
Response: 10841588  
Conc: 54.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

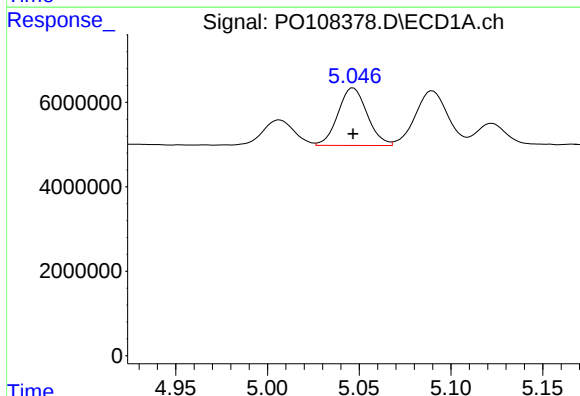
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



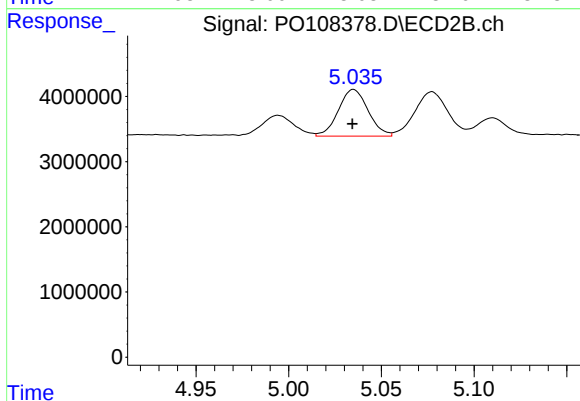
#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 5527464  
Conc: 52.04 ng/ml



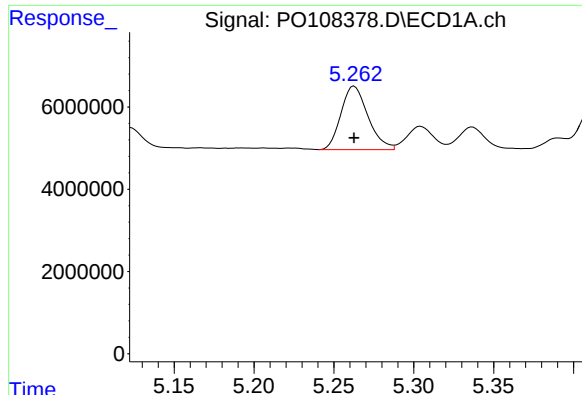
#22 AR-1248-2

R.T.: 5.047 min  
Delta R.T.: 0.000 min  
Response: 15088946  
Conc: 54.49 ng/ml



#22 AR-1248-2

R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 7988873  
Conc: 53.18 ng/ml



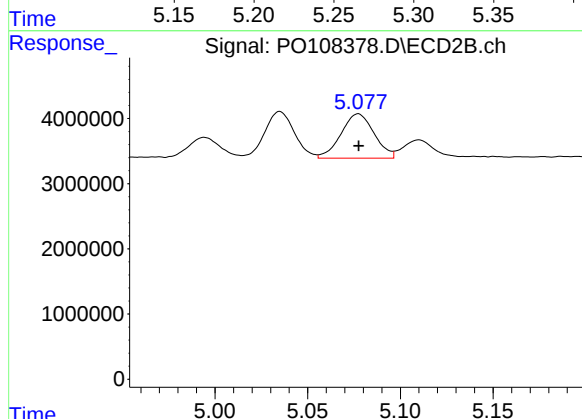
#23 AR-1248-3

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 18304358  
Conc: 53.47 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

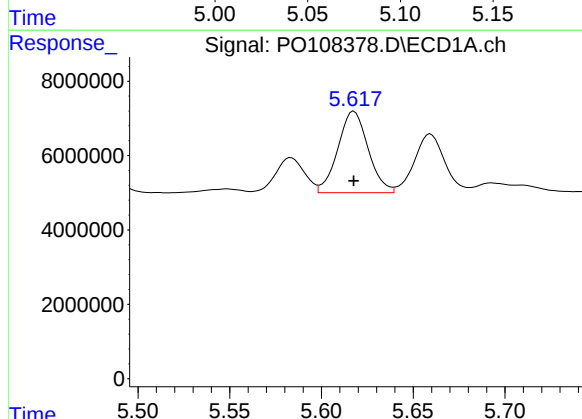
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



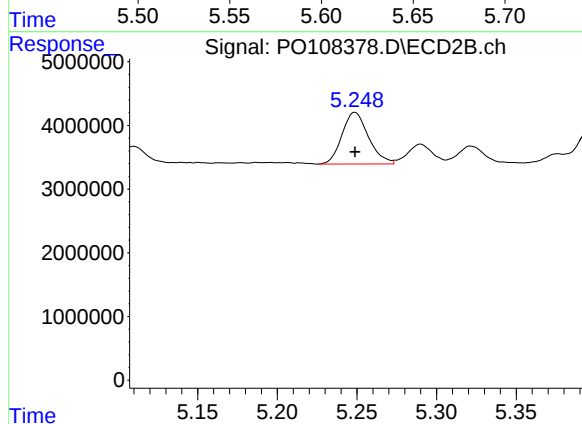
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 8442914  
Conc: 52.86 ng/ml



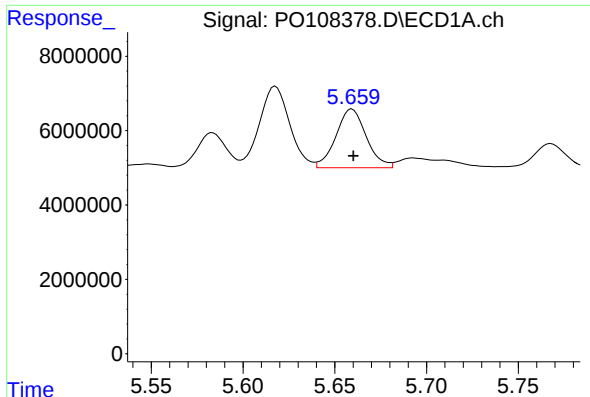
#24 AR-1248-4

R.T.: 5.617 min  
Delta R.T.: 0.000 min  
Response: 25239791  
Conc: 52.64 ng/ml m



#24 AR-1248-4

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 9427231  
Conc: 51.01 ng/ml



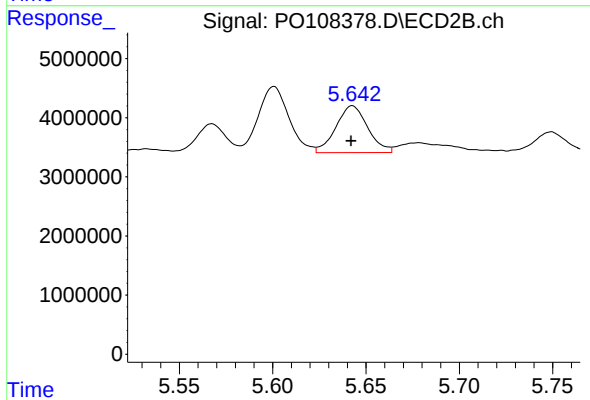
#25 AR-1248-5

R.T.: 5.659 min  
Delta R.T.: -0.001 min  
Response: 18193699  
Conc: 53.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



#25 AR-1248-5

R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 9433171  
Conc: 53.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108379.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:31  
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: Dec 07 04:54:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 891.7E6 | 509.2E6 | 94.024  | 94.879  |
| 2) SA Decachlor...          | 8.788 | 8.740 | 714.7E6 | 394.1E6 | 91.087  | 92.542  |
|                             |       |       |         |         |         |         |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.619 | 5.602 | 463.2E6 | 245.8E6 | 904.691 | 913.036 |
| 27) L6 AR-1254-2            | 5.768 | 5.749 | 407.0E6 | 215.5E6 | 898.746 | 902.392 |
| 28) L6 AR-1254-3            | 6.175 | 6.154 | 665.9E6 | 351.9E6 | 916.652 | 924.946 |
| 29) L6 AR-1254-4            | 6.404 | 6.382 | 404.3E6 | 203.0E6 | 909.993 | 920.523 |
| 30) L6 AR-1254-5            | 6.826 | 6.800 | 578.9E6 | 301.6E6 | 910.111 | 922.194 |
| -----                       |       |       |         |         |         |         |

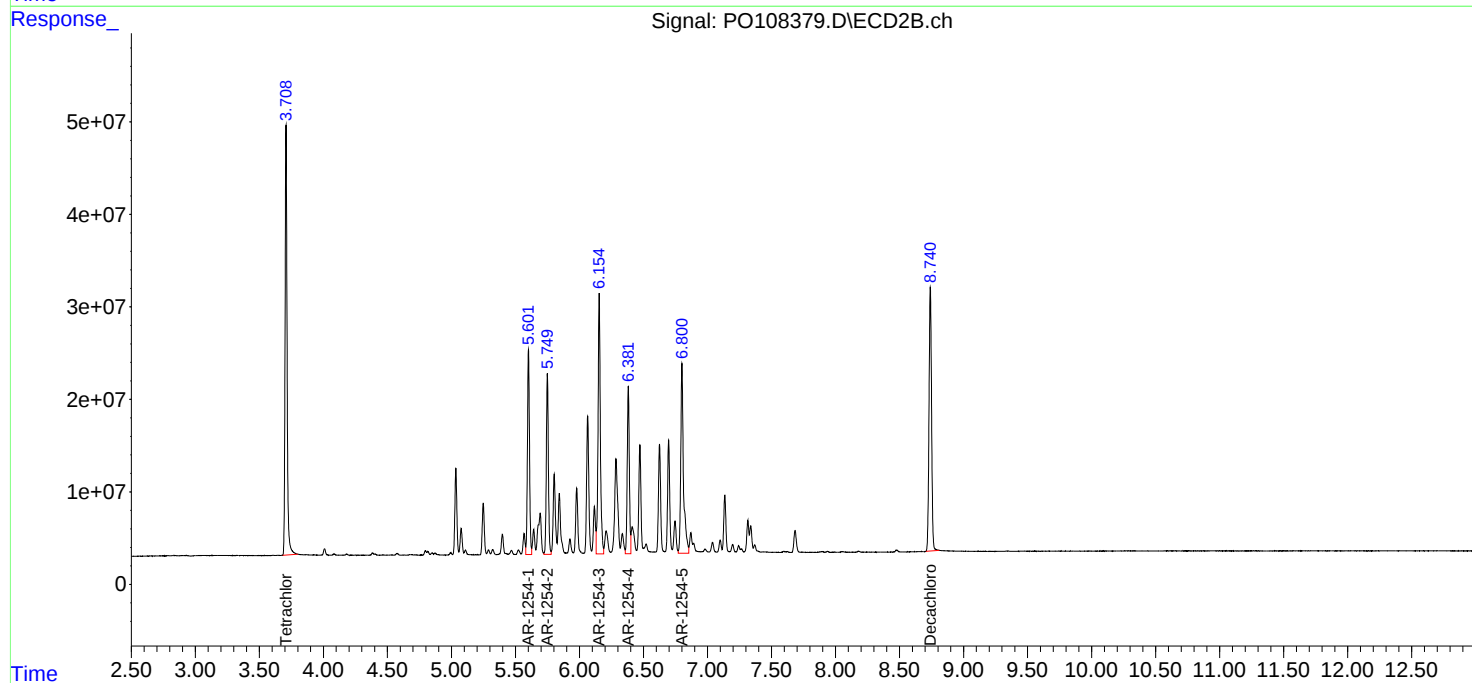
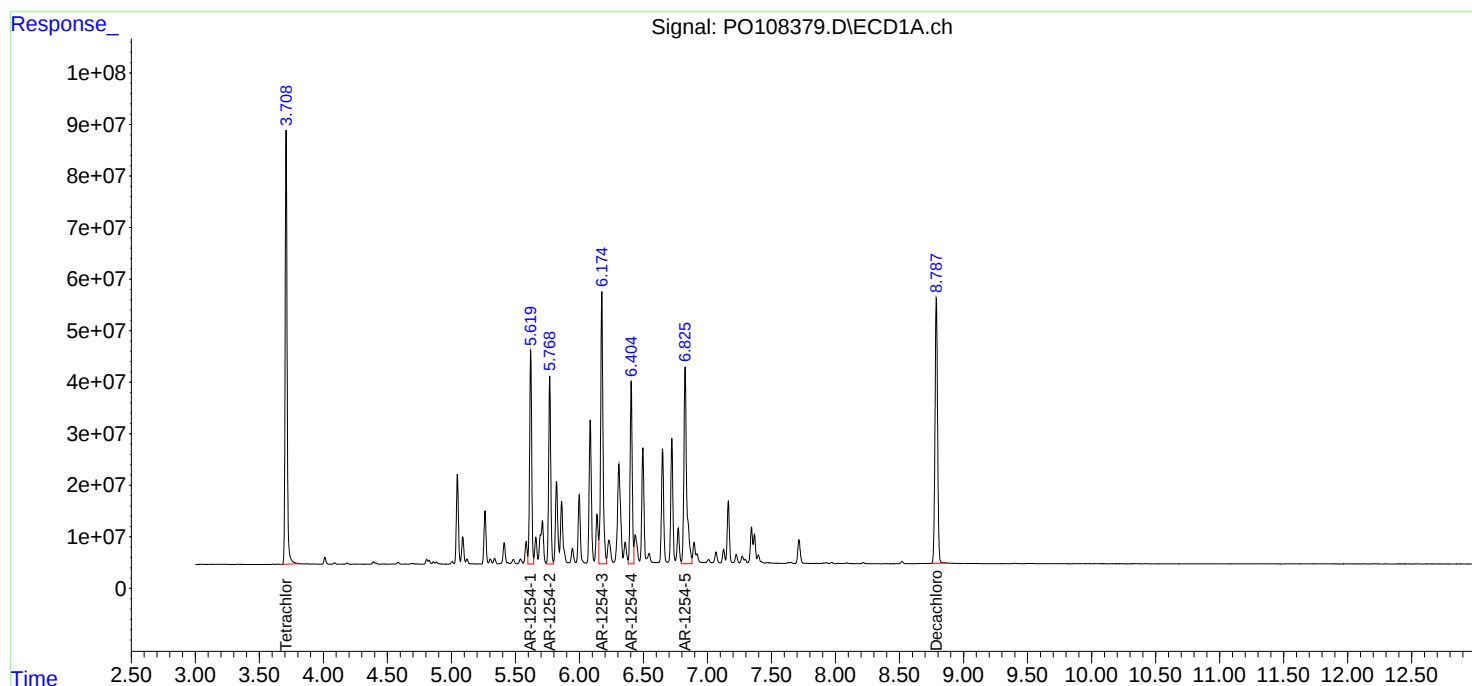
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108379.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:31  
Operator : YP/AJ  
Sample : AR1254ICC1000  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

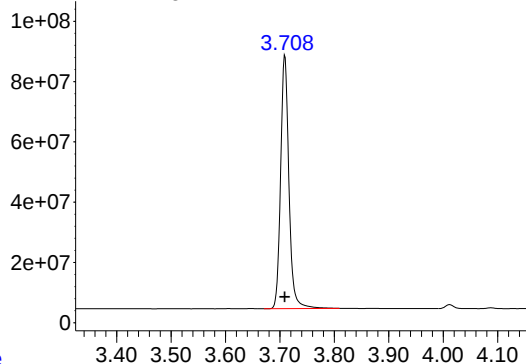
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:54:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108379.D\ECD1A.ch

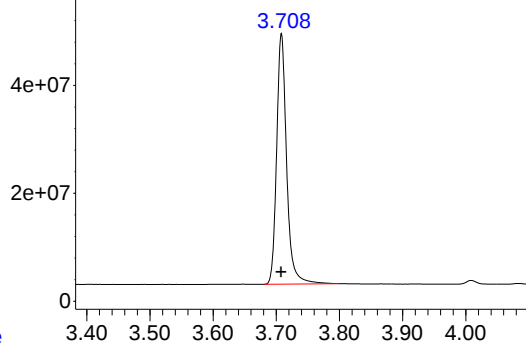


#1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 891695651  
Conc: 94.02 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

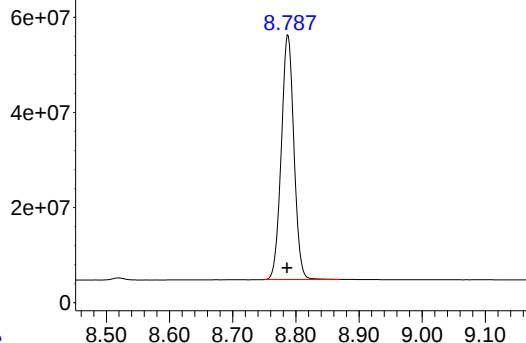
Time Response\_ Signal: PO108379.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 509241874  
Conc: 94.88 ng/ml

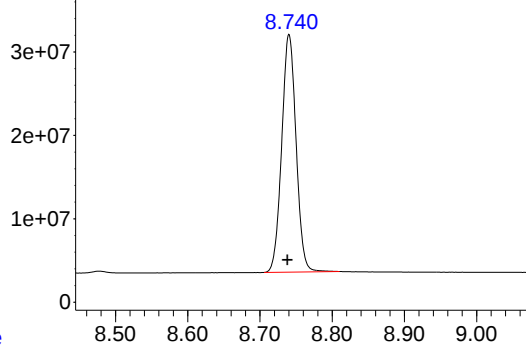
Time Response\_ Signal: PO108379.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.788 min  
Delta R.T.: 0.001 min  
Response: 714651265  
Conc: 91.09 ng/ml

Time Response\_ Signal: PO108379.D\ECD2B.ch



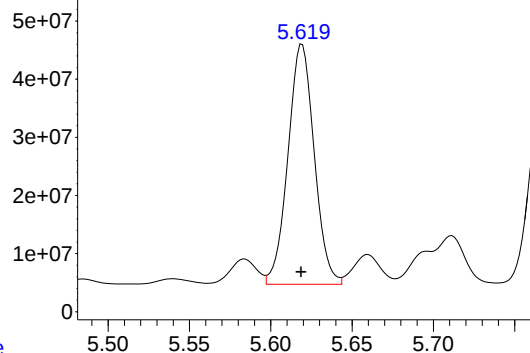
#2 Decachlorobiphenyl

R.T.: 8.740 min  
Delta R.T.: 0.002 min  
Response: 394129973  
Conc: 92.54 ng/ml

Response\_

Signal: PO108379.D\ECD1A.ch

#26 AR-1254-1



R.T.: 5.619 min  
Delta R.T.: 0.000 min  
Response: 463230517  
Conc: 904.69 ng/ml

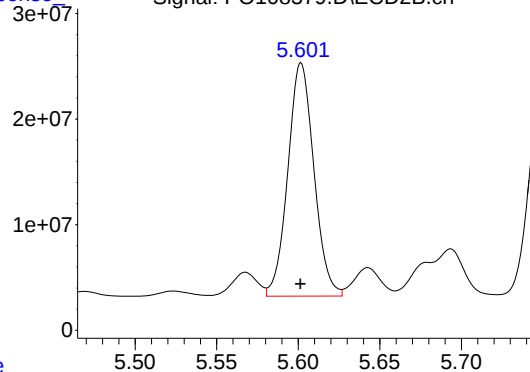
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Time

Response

Signal: PO108379.D\ECD2B.ch

#26 AR-1254-1



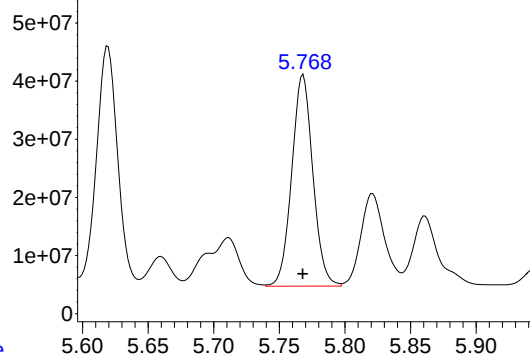
R.T.: 5.602 min  
Delta R.T.: 0.000 min  
Response: 245816740  
Conc: 913.04 ng/ml

Time

Response\_

Signal: PO108379.D\ECD1A.ch

#27 AR-1254-2



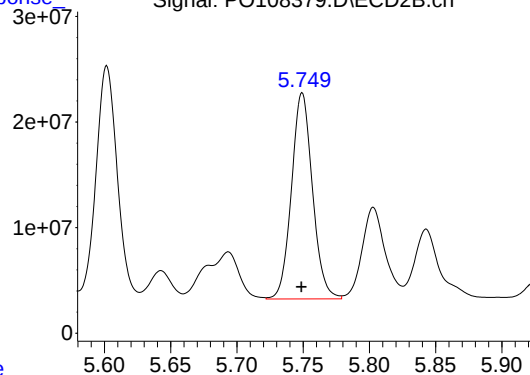
R.T.: 5.768 min  
Delta R.T.: 0.000 min  
Response: 407035308  
Conc: 898.75 ng/ml

Time

Response

Signal: PO108379.D\ECD2B.ch

#27 AR-1254-2



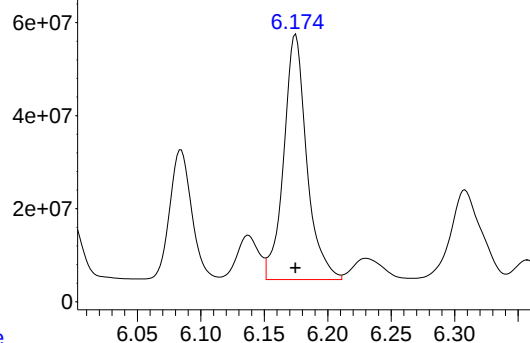
R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 215464605  
Conc: 902.39 ng/ml

Time

Response\_

Signal: PO108379.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 665923649  
Conc: 916.65 ng/ml

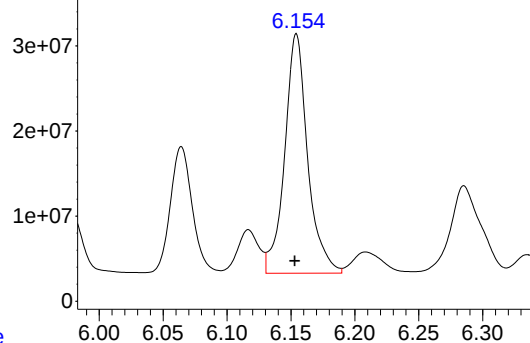
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Time

Response\_

Signal: PO108379.D\ECD2B.ch

#28 AR-1254-3



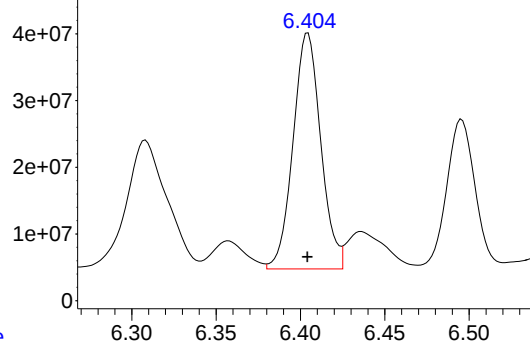
R.T.: 6.154 min  
Delta R.T.: 0.001 min  
Response: 351887512  
Conc: 924.95 ng/ml

Time

Response\_

Signal: PO108379.D\ECD1A.ch

#29 AR-1254-4



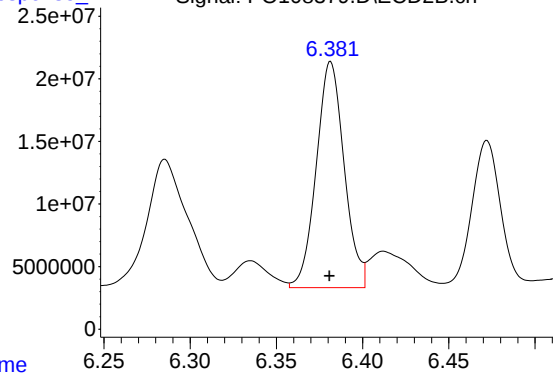
R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 404280854  
Conc: 909.99 ng/ml

Time

Response\_

Signal: PO108379.D\ECD2B.ch

#29 AR-1254-4



R.T.: 6.382 min  
Delta R.T.: 0.000 min  
Response: 202983022  
Conc: 920.52 ng/ml

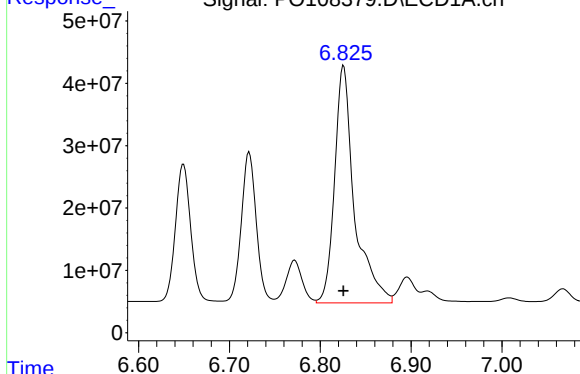
Time

Response\_

Signal: PO108379.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.826 min  
Delta R.T.: 0.000 min  
Response: 578915300  
Conc: 910.11 ng/ml

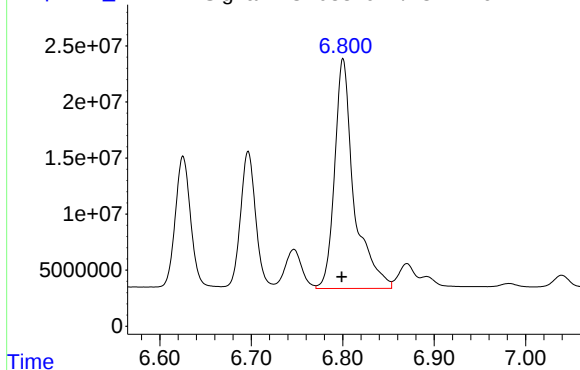
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Time

Response\_

Signal: PO108379.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.800 min  
Delta R.T.: 0.001 min  
Response: 301571990  
Conc: 922.19 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108380.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:49  
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: Dec 07 04:54:53 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 690.4E6 | 392.2E6 | 72.797  | 73.066  |
| 2) SA Decachlor...          | 8.786 | 8.740 | 558.9E6 | 305.4E6 | 71.234  | 71.703  |
|                             |       |       |         |         |         |         |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.619 | 5.602 | 365.3E6 | 192.3E6 | 713.390 | 714.419 |
| 27) L6 AR-1254-2            | 5.768 | 5.749 | 321.9E6 | 169.0E6 | 710.657 | 707.972 |
| 28) L6 AR-1254-3            | 6.174 | 6.153 | 521.3E6 | 273.4E6 | 717.593 | 718.593 |
| 29) L6 AR-1254-4            | 6.404 | 6.380 | 315.8E6 | 157.4E6 | 710.850 | 714.003 |
| 30) L6 AR-1254-5            | 6.826 | 6.800 | 453.5E6 | 234.5E6 | 712.914 | 716.984 |
| -----                       |       |       |         |         |         |         |

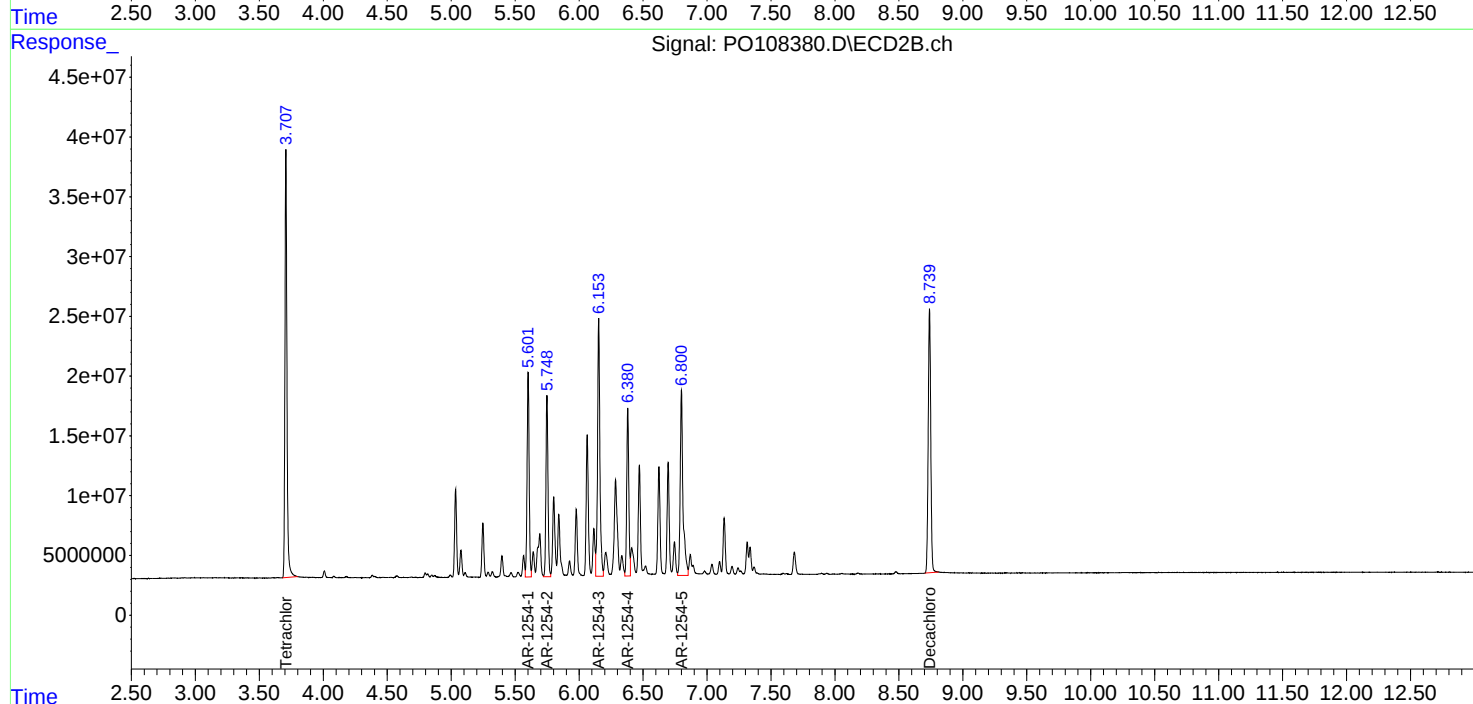
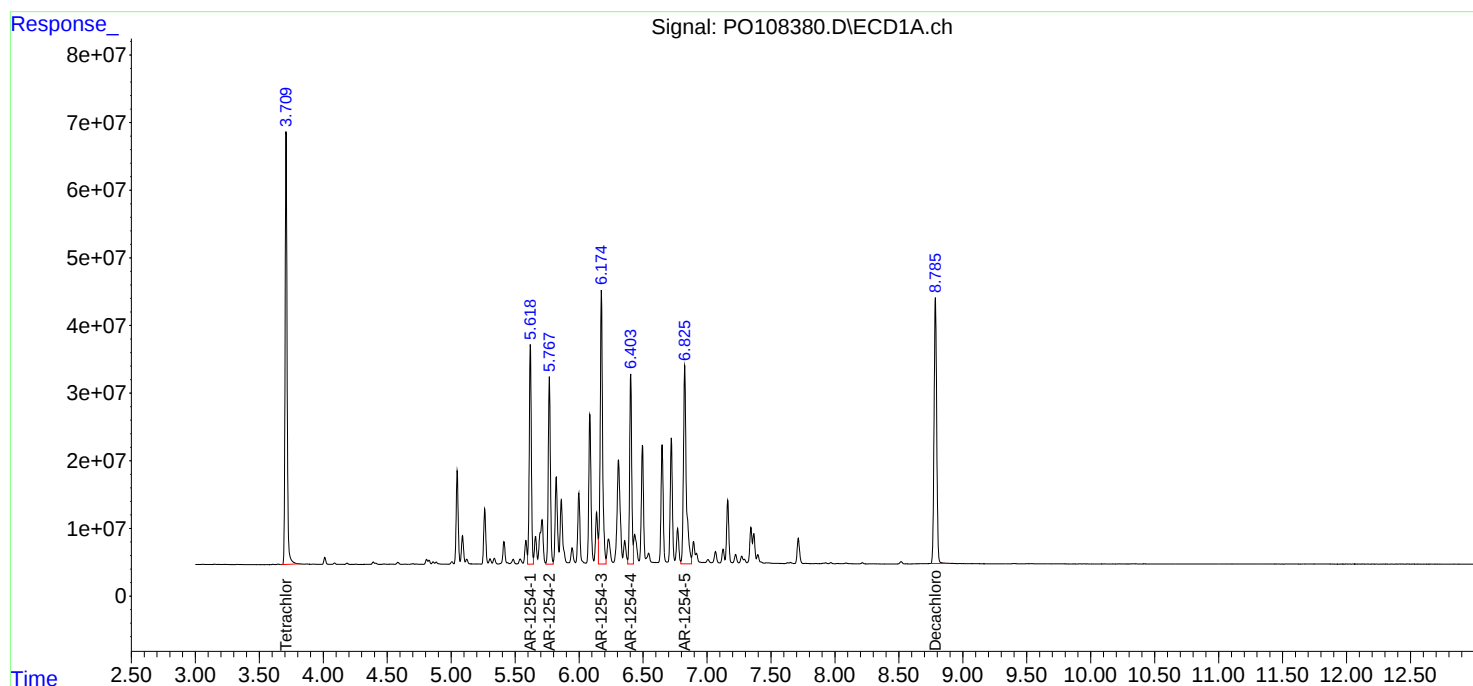
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

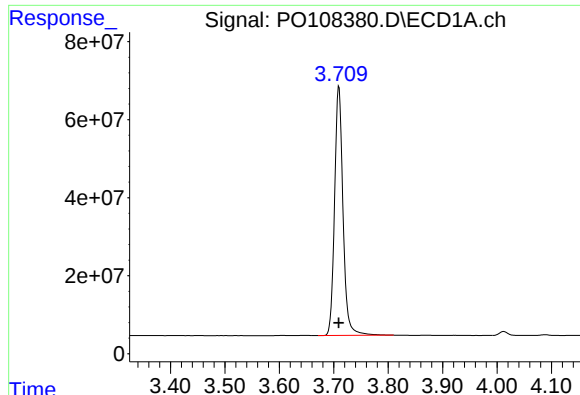
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108380.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:49  
Operator : YP/AJ  
Sample : AR1254ICC750  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:54:53 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

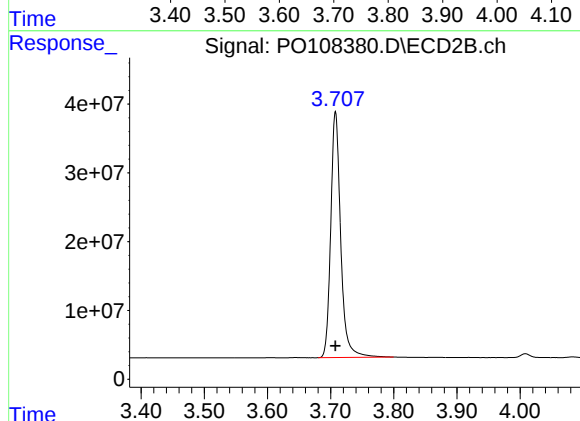




## #1 Tetrachloro-m-xylene

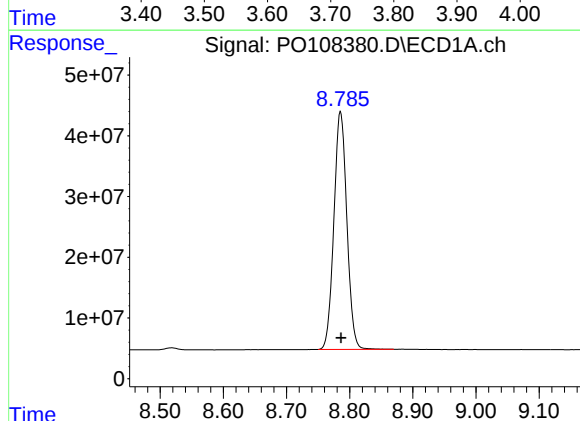
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 690383418  
Conc: 72.80 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750



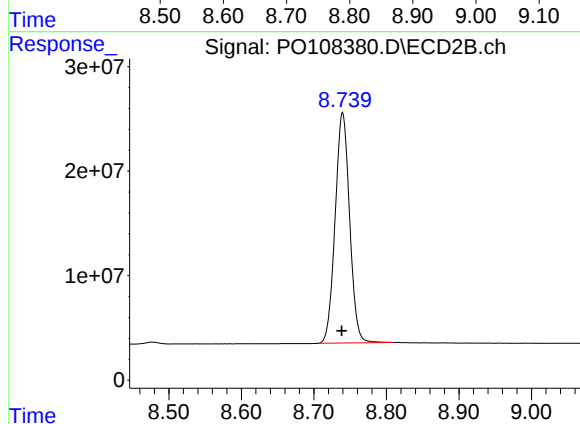
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 392165033  
Conc: 73.07 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 558891707  
Conc: 71.23 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.740 min  
Delta R.T.: 0.001 min  
Response: 305378552  
Conc: 71.70 ng/ml

Response\_

Signal: PO108380.D\ECD1A.ch

#26 AR-1254-1

R.T.: 5.619 min

Delta R.T.: 0.000 min

Response: 365278190

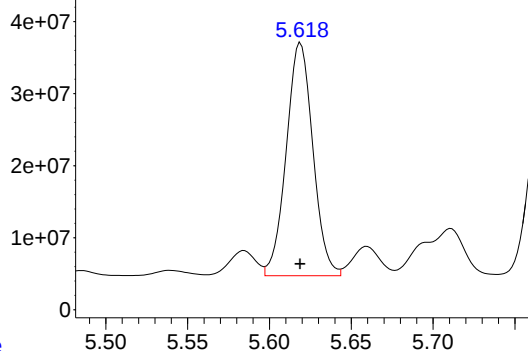
Conc: 713.39 ng/ml

Instrument :

ECD\_O

ClientSampleId :

AR1254ICC750



Time

Response\_

Signal: PO108380.D\ECD2B.ch

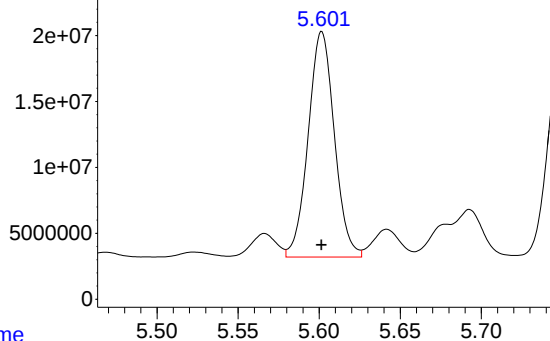
#26 AR-1254-1

R.T.: 5.602 min

Delta R.T.: 0.000 min

Response: 192342867

Conc: 714.42 ng/ml



Time

Response\_

Signal: PO108380.D\ECD1A.ch

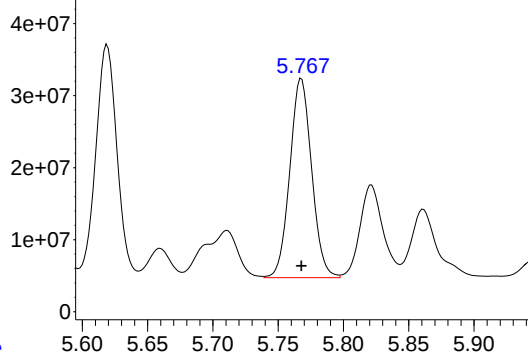
#27 AR-1254-2

R.T.: 5.768 min

Delta R.T.: 0.000 min

Response: 321851048

Conc: 710.66 ng/ml



Time

Response\_

Signal: PO108380.D\ECD2B.ch

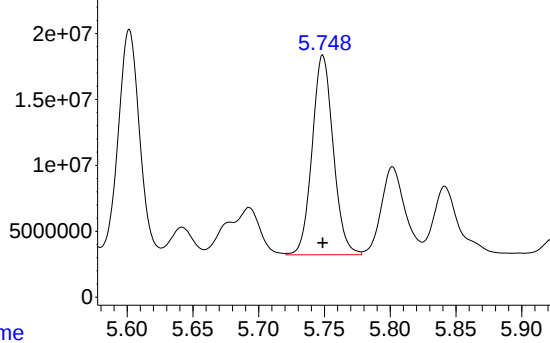
#27 AR-1254-2

R.T.: 5.749 min

Delta R.T.: 0.000 min

Response: 169042798

Conc: 707.97 ng/ml



Time

Response\_ Signal: PO108380.D\ECD1A.ch

#28 AR-1254-3

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 521312401  
Conc: 717.59 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750

Time

Response\_ Signal: PO108380.D\ECD2B.ch

#28 AR-1254-3

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 273382343  
Conc: 718.59 ng/ml

Time

Response\_ Signal: PO108380.D\ECD1A.ch

#29 AR-1254-4

R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 315808144  
Conc: 710.85 ng/ml

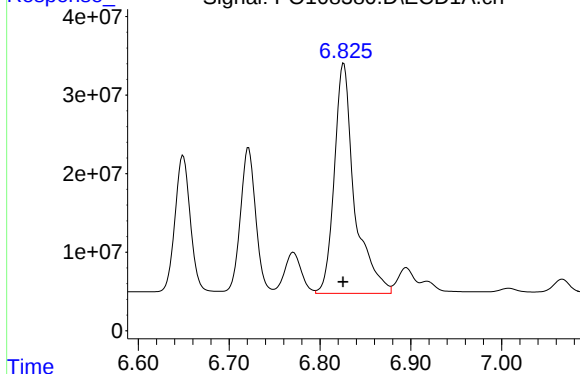
Time

Response\_ Signal: PO108380.D\ECD2B.ch

#29 AR-1254-4

R.T.: 6.380 min  
Delta R.T.: 0.000 min  
Response: 157443588  
Conc: 714.00 ng/ml

Time



R.T.: 6.826 min  
Delta R.T.: 0.000 min  
Response: 453479311  
Conc: 712.91 ng/ml

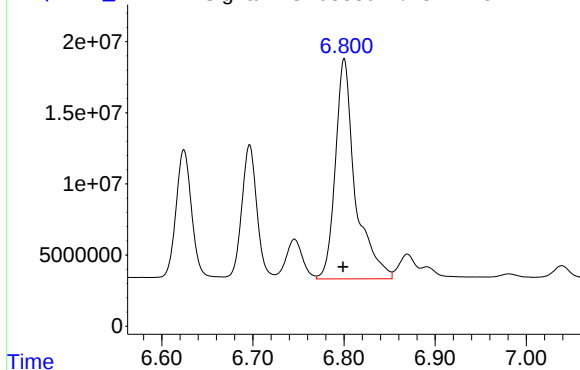
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750

Time

Response\_

Signal: PO108380.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.800 min  
Delta R.T.: 0.001 min  
Response: 234464914  
Conc: 716.98 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108381.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:08  
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: Dec 07 04:55:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 474.2E6 | 268.4E6 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.786 | 8.738 | 392.3E6 | 212.9E6 | 50.000  | 50.000  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.619 | 5.601 | 256.0E6 | 134.6E6 | 500.000 | 500.000 |
| 27) L6 AR-1254-2            | 5.768 | 5.749 | 226.4E6 | 119.4E6 | 500.000 | 500.000 |
| 28) L6 AR-1254-3            | 6.174 | 6.153 | 363.2E6 | 190.2E6 | 500.000 | 500.000 |
| 29) L6 AR-1254-4            | 6.404 | 6.381 | 222.1E6 | 110.3E6 | 500.000 | 500.000 |
| 30) L6 AR-1254-5            | 6.825 | 6.799 | 318.0E6 | 163.5E6 | 500.000 | 500.000 |
| -----                       |       |       |         |         |         |         |

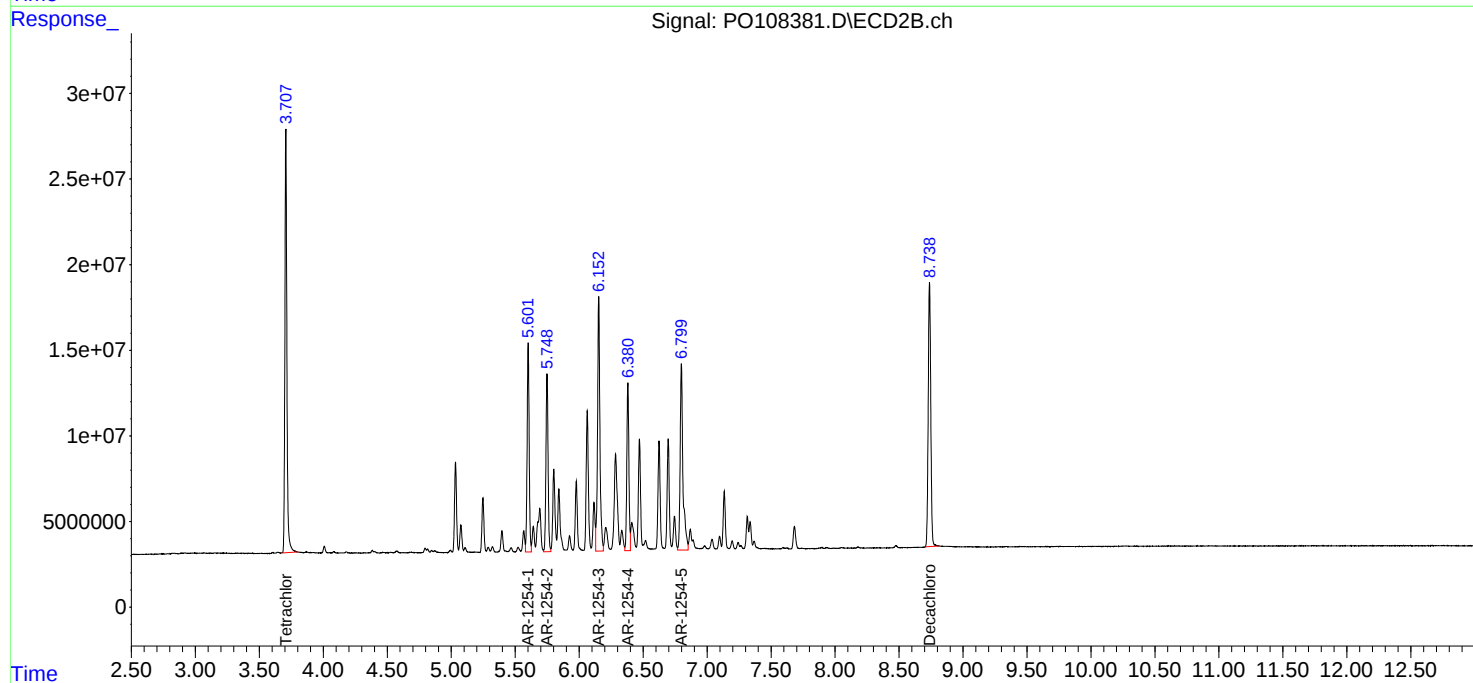
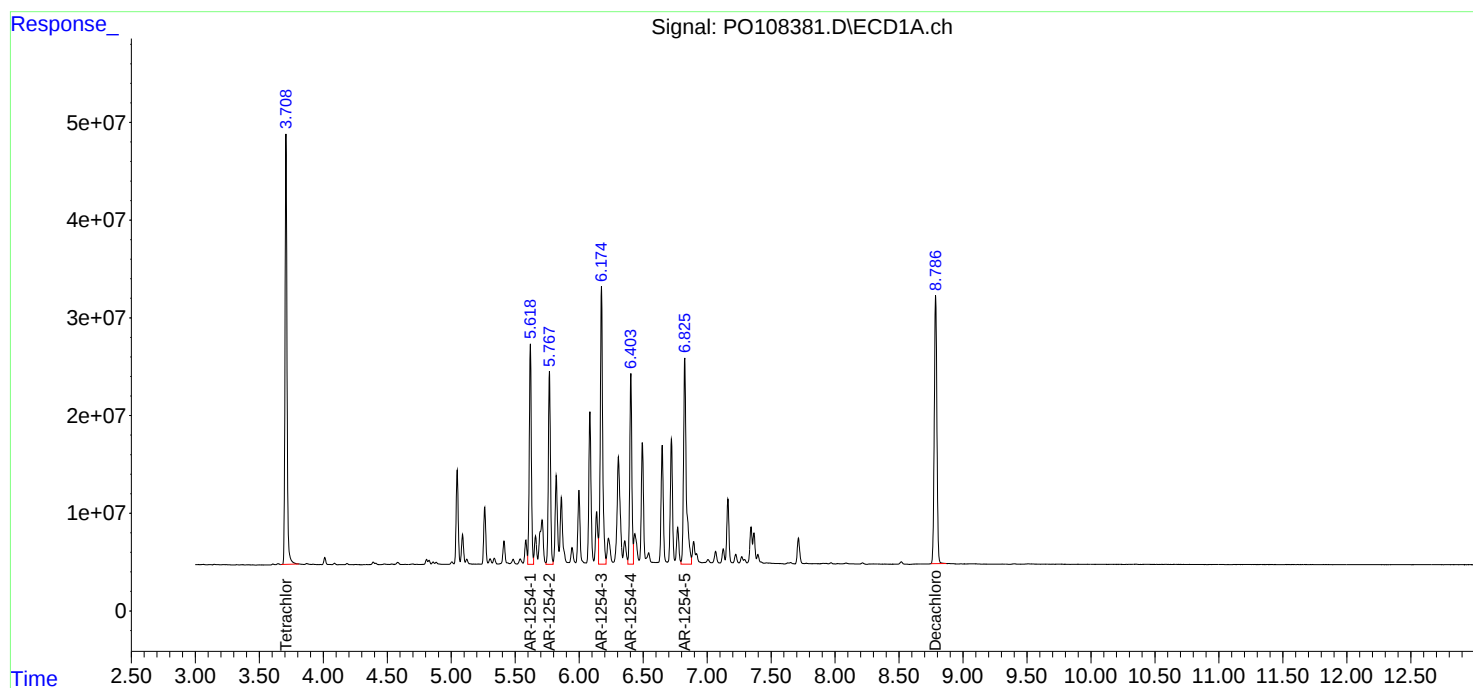
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

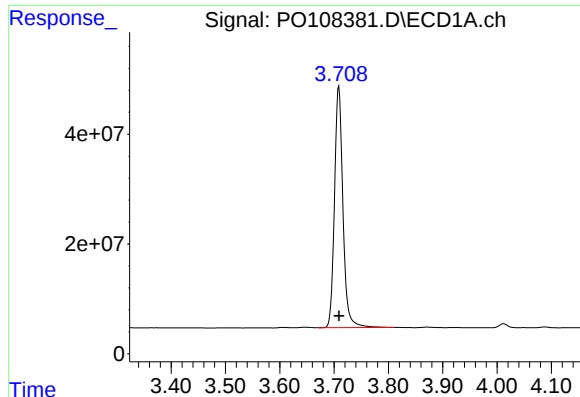
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108381.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:08  
Operator : YP/AJ  
Sample : AR1254ICC500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:55:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

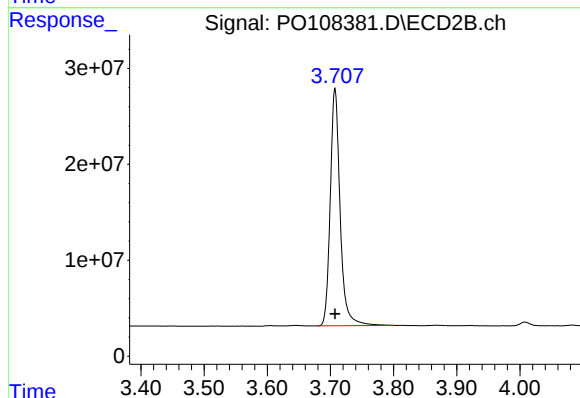




## #1 Tetrachloro-m-xylene

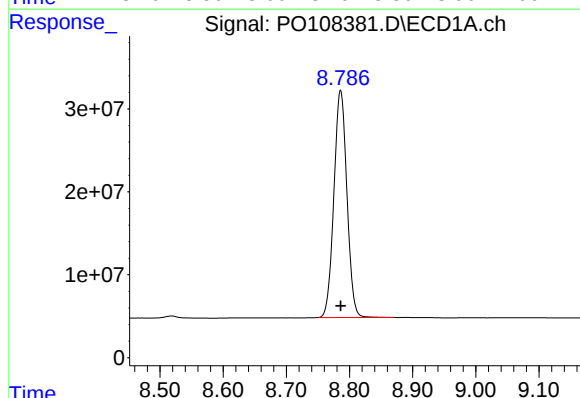
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 474182655  
Conc: 50.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



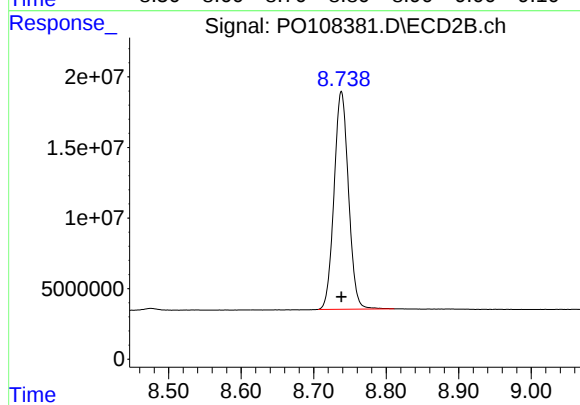
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 268363315  
Conc: 50.00 ng/ml



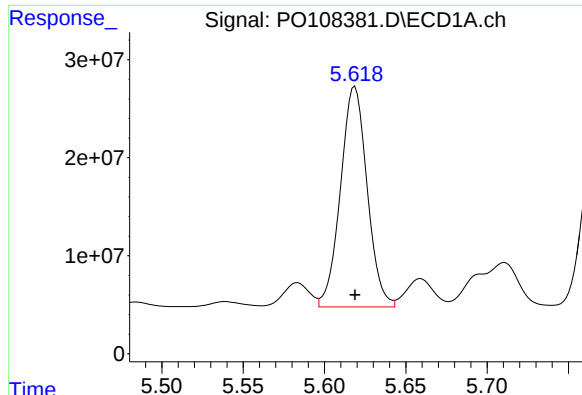
## #2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 392292110  
Conc: 50.00 ng/ml



## #2 Decachlorobiphenyl

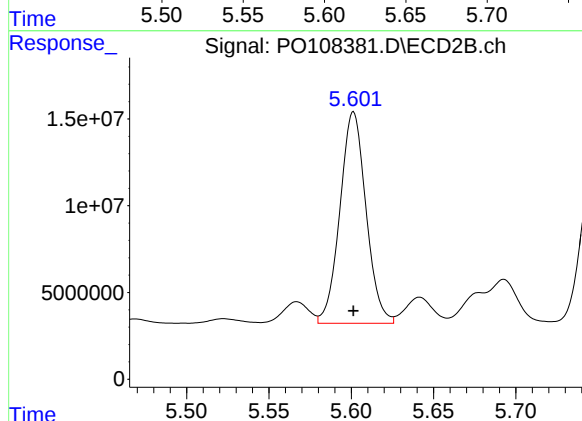
R.T.: 8.738 min  
Delta R.T.: 0.000 min  
Response: 212946579  
Conc: 50.00 ng/ml



#26 AR-1254-1

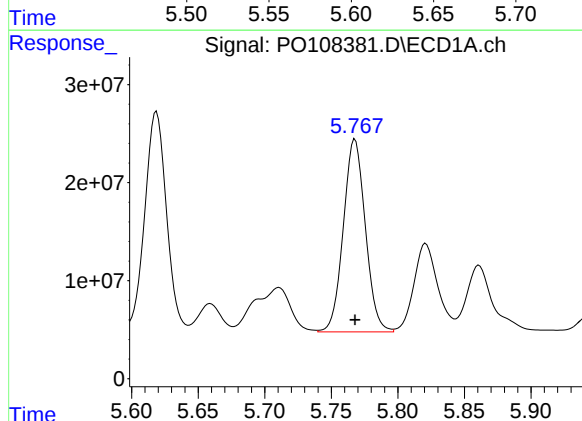
R.T.: 5.619 min  
Delta R.T.: 0.000 min  
Response: 256015757  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



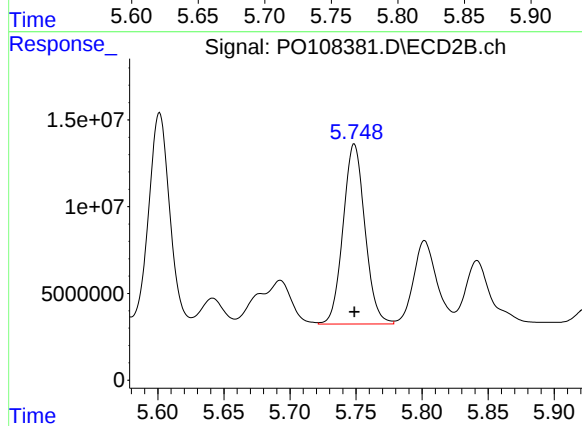
#26 AR-1254-1

R.T.: 5.601 min  
Delta R.T.: 0.000 min  
Response: 134614973  
Conc: 500.00 ng/ml



#27 AR-1254-2

R.T.: 5.768 min  
Delta R.T.: 0.000 min  
Response: 226446265  
Conc: 500.00 ng/ml



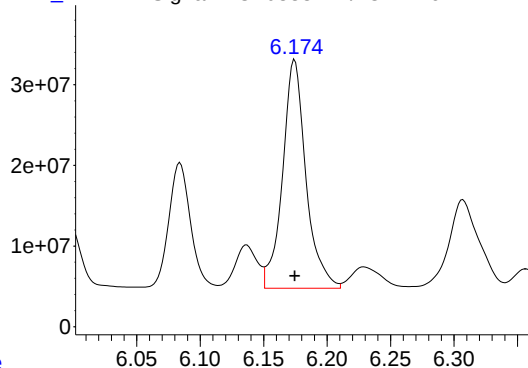
#27 AR-1254-2

R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 119385210  
Conc: 500.00 ng/ml

Response\_

Signal: PO108381.D\ECD1A.ch

#28 AR-1254-3



R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 363236901  
Conc: 500.00 ng/ml

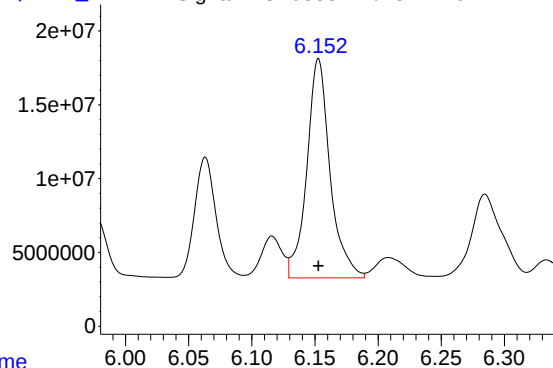
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500

Time

Response\_

Signal: PO108381.D\ECD2B.ch

#28 AR-1254-3



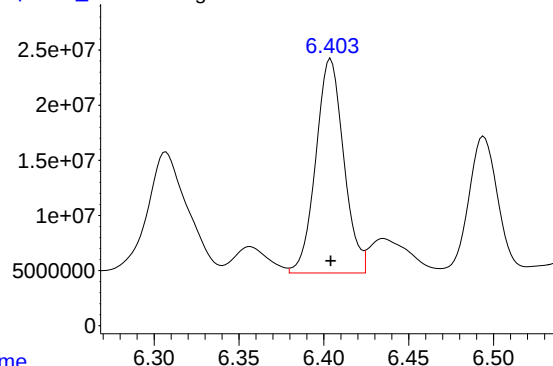
R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 190220530  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108381.D\ECD1A.ch

#29 AR-1254-4



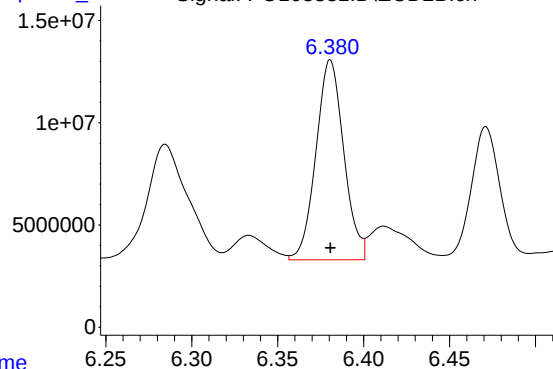
R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 222134078  
Conc: 500.00 ng/ml

Time

Response\_

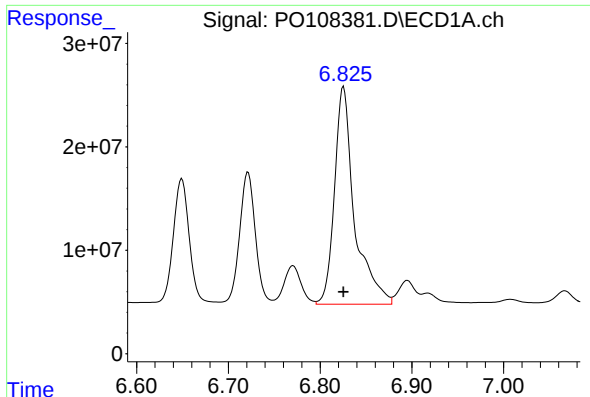
Signal: PO108381.D\ECD2B.ch

#29 AR-1254-4



R.T.: 6.381 min  
Delta R.T.: 0.000 min  
Response: 110254180  
Conc: 500.00 ng/ml

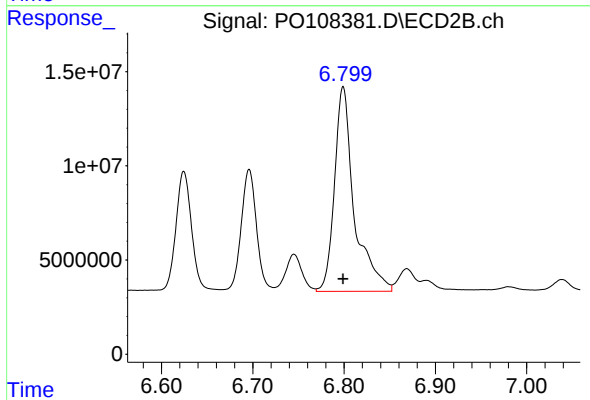
Time



#30 AR-1254-5

R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 318046447  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500



#30 AR-1254-5

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 163507863  
Conc: 500.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108382.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:26  
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: Dec 07 04:55:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 232.8E6 | 130.7E6  | 24.550  | 24.351  |
| 2) SA Decachlor...          | 8.785 | 8.738 | 200.7E6 | 109.4E6  | 25.586  | 25.678  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 26) L6 AR-1254-1            | 5.619 | 5.602 | 133.5E6 | 69803832 | 260.658 | 259.272 |
| 27) L6 AR-1254-2            | 5.767 | 5.749 | 119.1E6 | 62204391 | 262.971 | 260.520 |
| 28) L6 AR-1254-3            | 6.174 | 6.153 | 185.8E6 | 96697949 | 255.759 | 254.173 |
| 29) L6 AR-1254-4            | 6.404 | 6.381 | 114.7E6 | 56523348 | 258.092 | 256.332 |
| 30) L6 AR-1254-5            | 6.825 | 6.799 | 165.6E6 | 83204383 | 260.395 | 254.435 |
| -----                       |       |       |         |          |         |         |

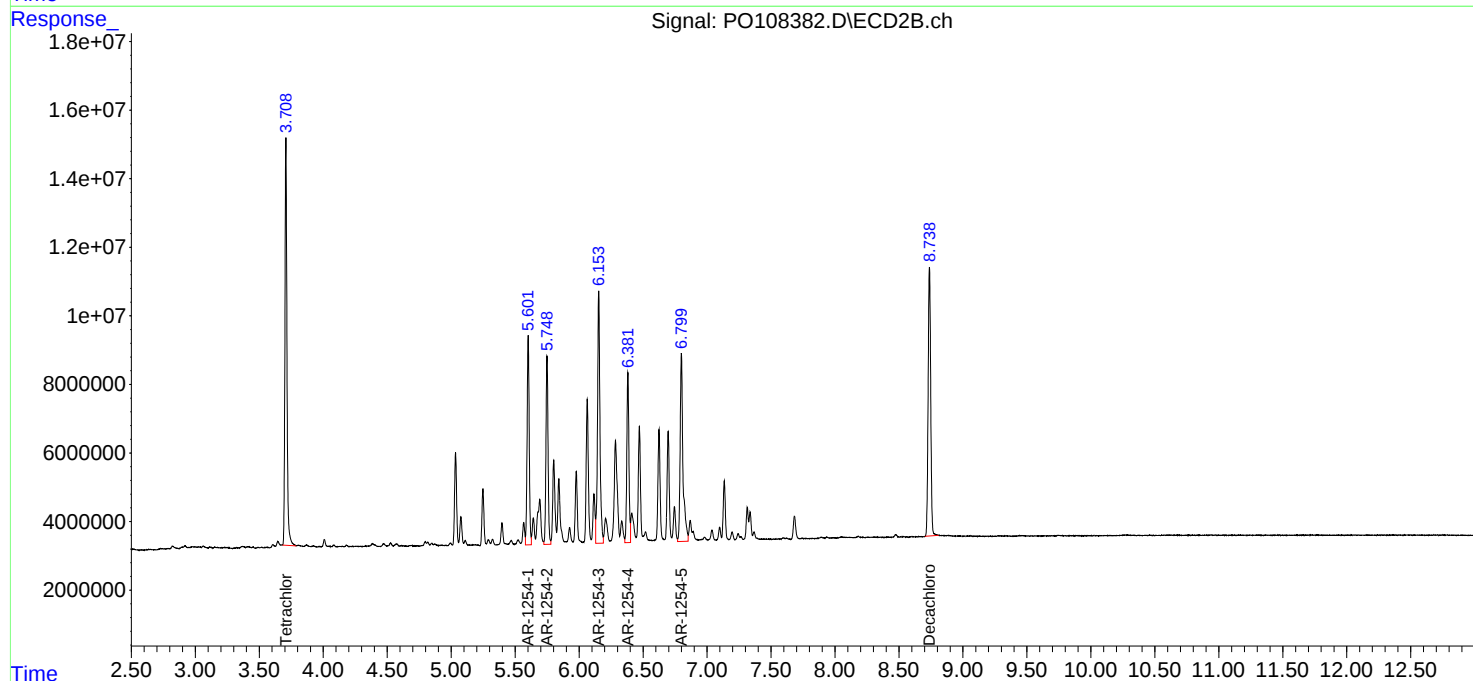
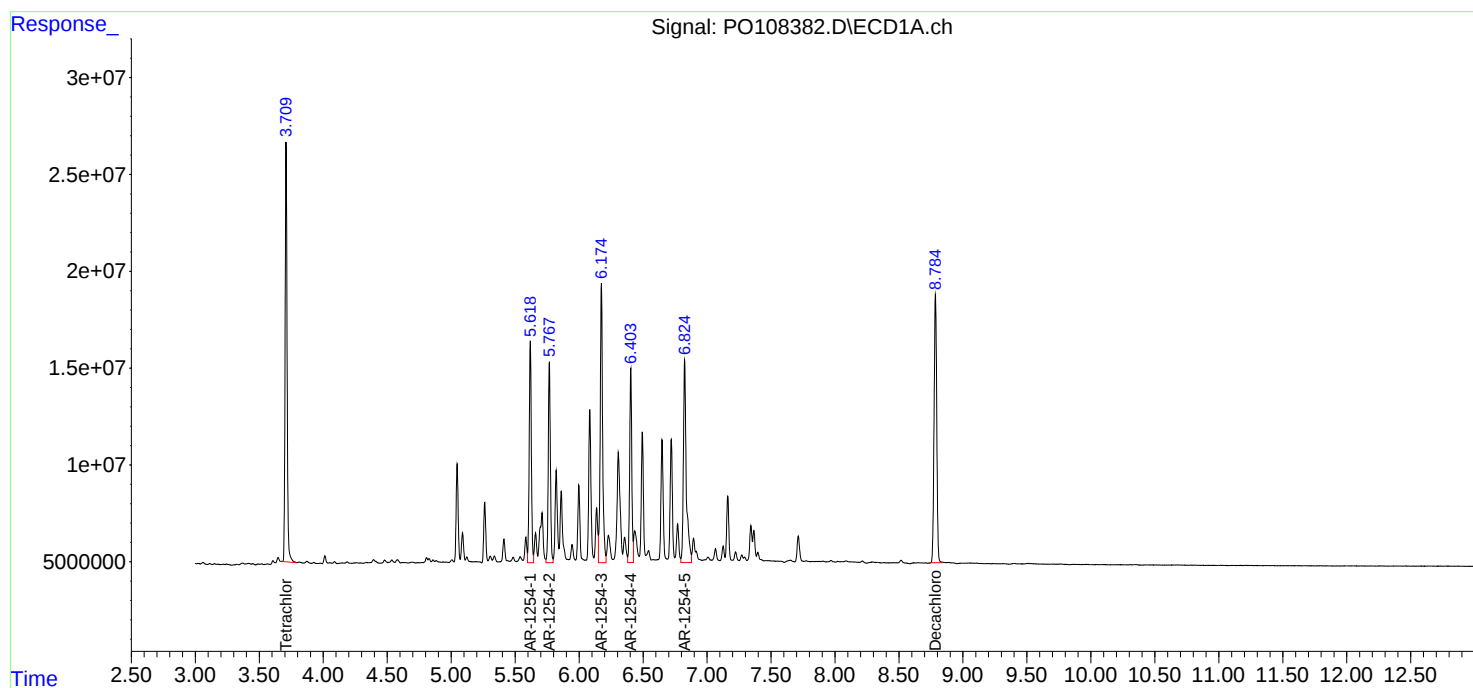
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

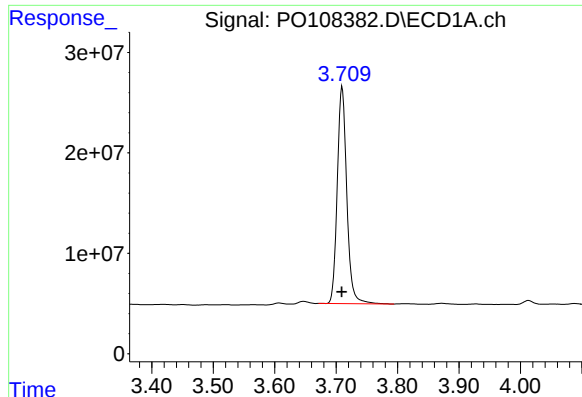
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108382.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:26  
Operator : YP/AJ  
Sample : AR1254ICC250  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:55:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

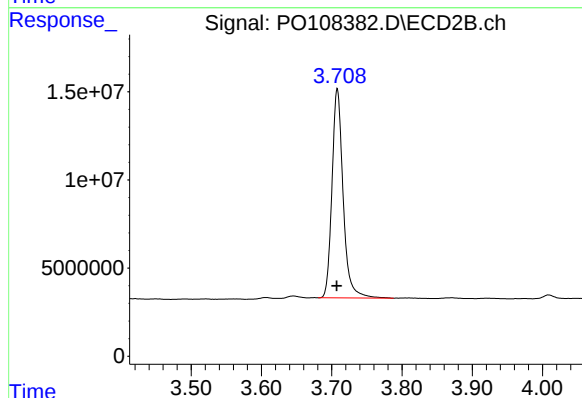




## #1 Tetrachloro-m-xylene

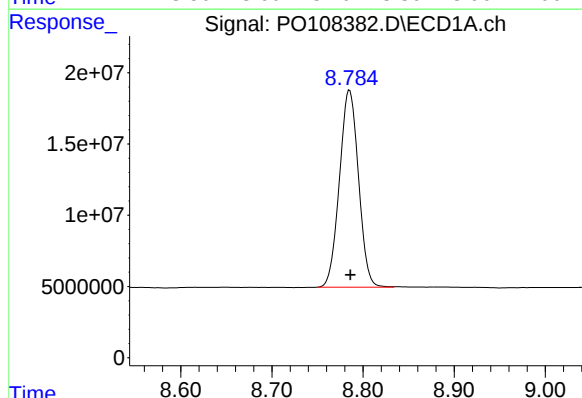
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 232827440  
Conc: 24.55 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



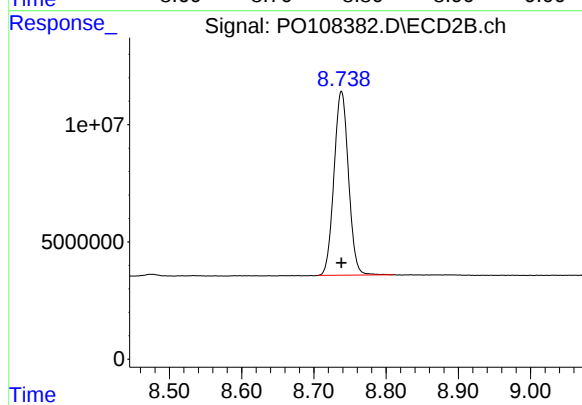
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 130697905  
Conc: 24.35 ng/ml



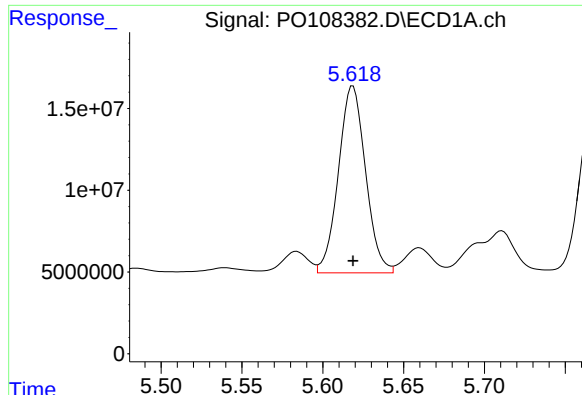
## #2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: -0.001 min  
Response: 200745089  
Conc: 25.59 ng/ml



## #2 Decachlorobiphenyl

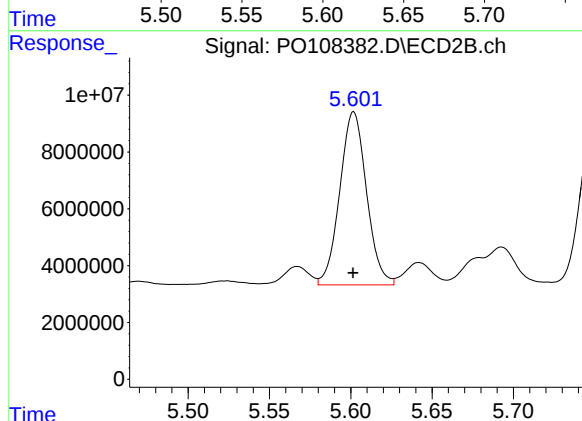
R.T.: 8.738 min  
Delta R.T.: 0.000 min  
Response: 109360055  
Conc: 25.68 ng/ml



#26 AR-1254-1

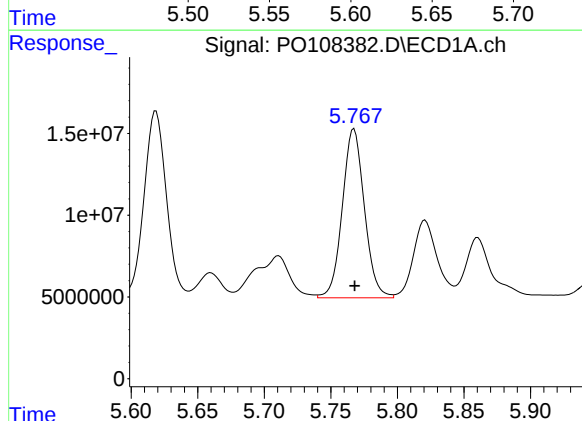
R.T.: 5.619 min  
Delta R.T.: 0.000 min  
Response: 133465331  
Conc: 260.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250



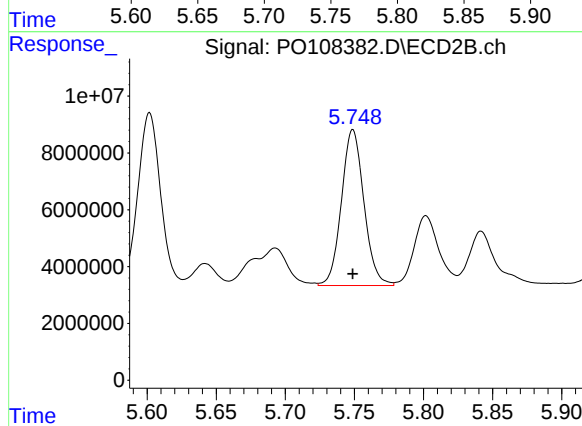
#26 AR-1254-1

R.T.: 5.602 min  
Delta R.T.: 0.000 min  
Response: 69803832  
Conc: 259.27 ng/ml



#27 AR-1254-2

R.T.: 5.767 min  
Delta R.T.: 0.000 min  
Response: 119097733  
Conc: 262.97 ng/ml

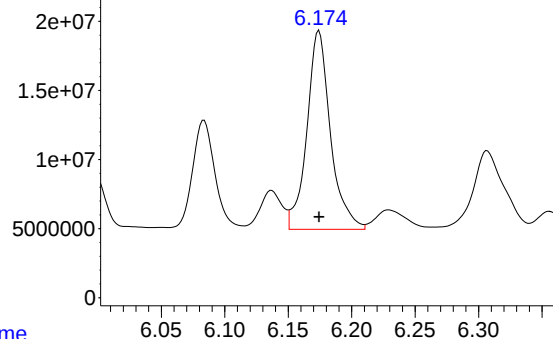


#27 AR-1254-2

R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 62204391  
Conc: 260.52 ng/ml

Response\_ Signal: PO108382.D\ECD1A.ch

#28 AR-1254-3

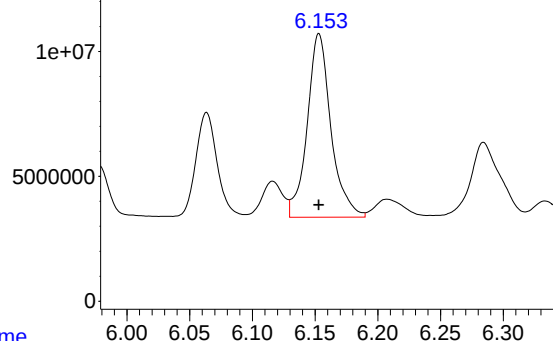


R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 185802135  
Conc: 255.76 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250

Time Response\_ Signal: PO108382.D\ECD2B.ch

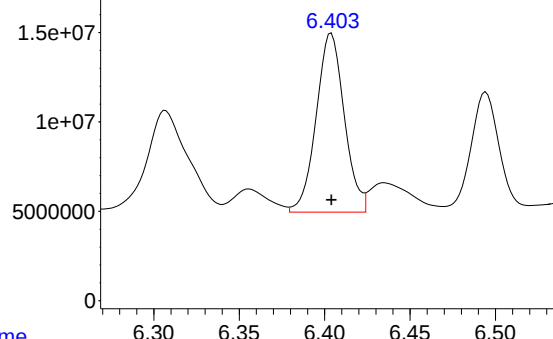
#28 AR-1254-3



R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 96697949  
Conc: 254.17 ng/ml

Time Response\_ Signal: PO108382.D\ECD1A.ch

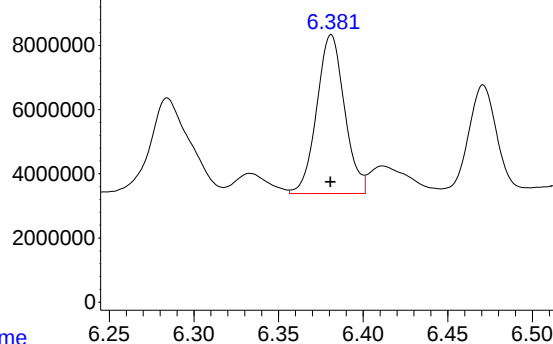
#29 AR-1254-4



R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 114662025  
Conc: 258.09 ng/ml

Time Response\_ Signal: PO108382.D\ECD2B.ch

#29 AR-1254-4



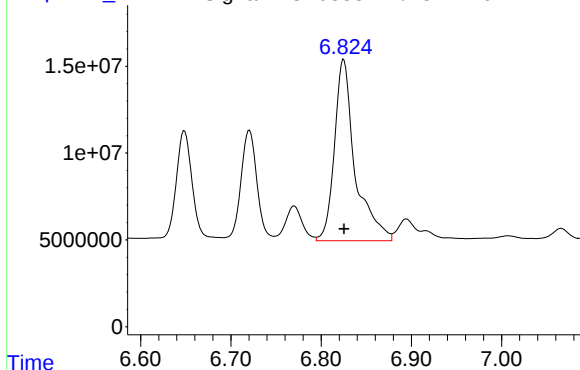
R.T.: 6.381 min  
Delta R.T.: 0.000 min  
Response: 56523348  
Conc: 256.33 ng/ml

Response\_

Signal: PO108382.D\ECD1A.ch

#30 AR-1254-5

ICAL Form



R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 165635547  
Conc: 260.40 ng/ml

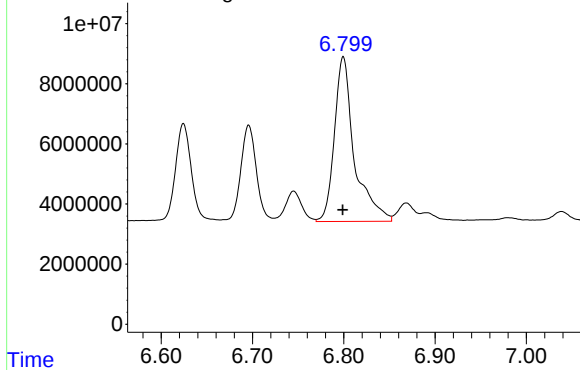
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250

Time

Response\_

Signal: PO108382.D\ECD2B.ch

#30 AR-1254-5



R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 83204383  
Conc: 254.44 ng/ml

Time

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108383.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:44  
Operator : YP/AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:55:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-------|-------|----------|----------|---------|--------|
| -----                       |       |       |          |          |         |        |
| System Monitoring Compounds |       |       |          |          |         |        |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 44979145 | 24991936 | 4.743   | 4.656  |
| 2) SA Decachlor...          | 8.786 | 8.738 | 41446440 | 21658098 | 5.283   | 5.085  |
| Target Compounds            |       |       |          |          |         |        |
| 26) L6 AR-1254-1            | 5.618 | 5.602 | 28602032 | 15172054 | 55.860m | 56.354 |
| 27) L6 AR-1254-2            | 5.767 | 5.749 | 25591845 | 13582944 | 56.508m | 56.887 |
| 28) L6 AR-1254-3            | 6.174 | 6.153 | 38497674 | 19696275 | 52.993m | 51.772 |
| 29) L6 AR-1254-4            | 6.404 | 6.380 | 23289470 | 11443812 | 52.422m | 51.897 |
| 30) L6 AR-1254-5            | 6.826 | 6.799 | 34671057 | 16988687 | 54.506  | 51.951 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108383.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:44  
Operator : YP/AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

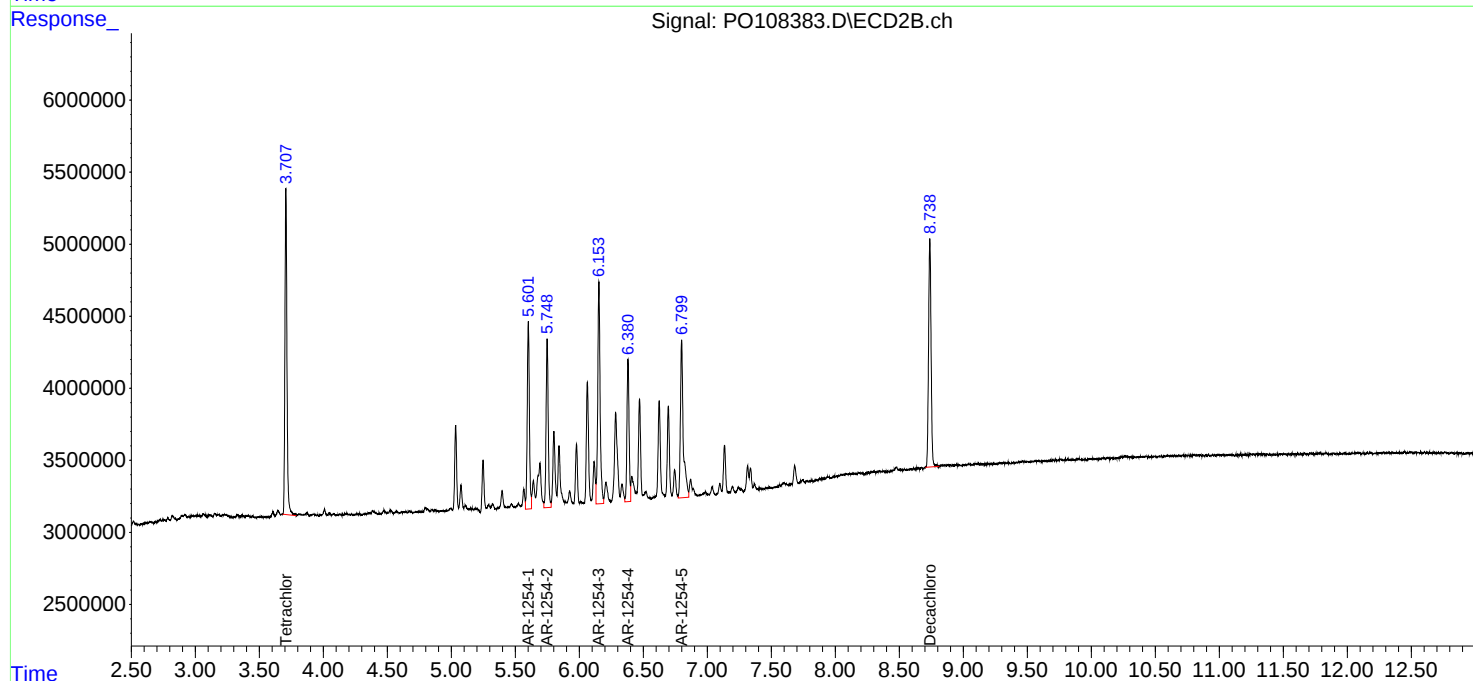
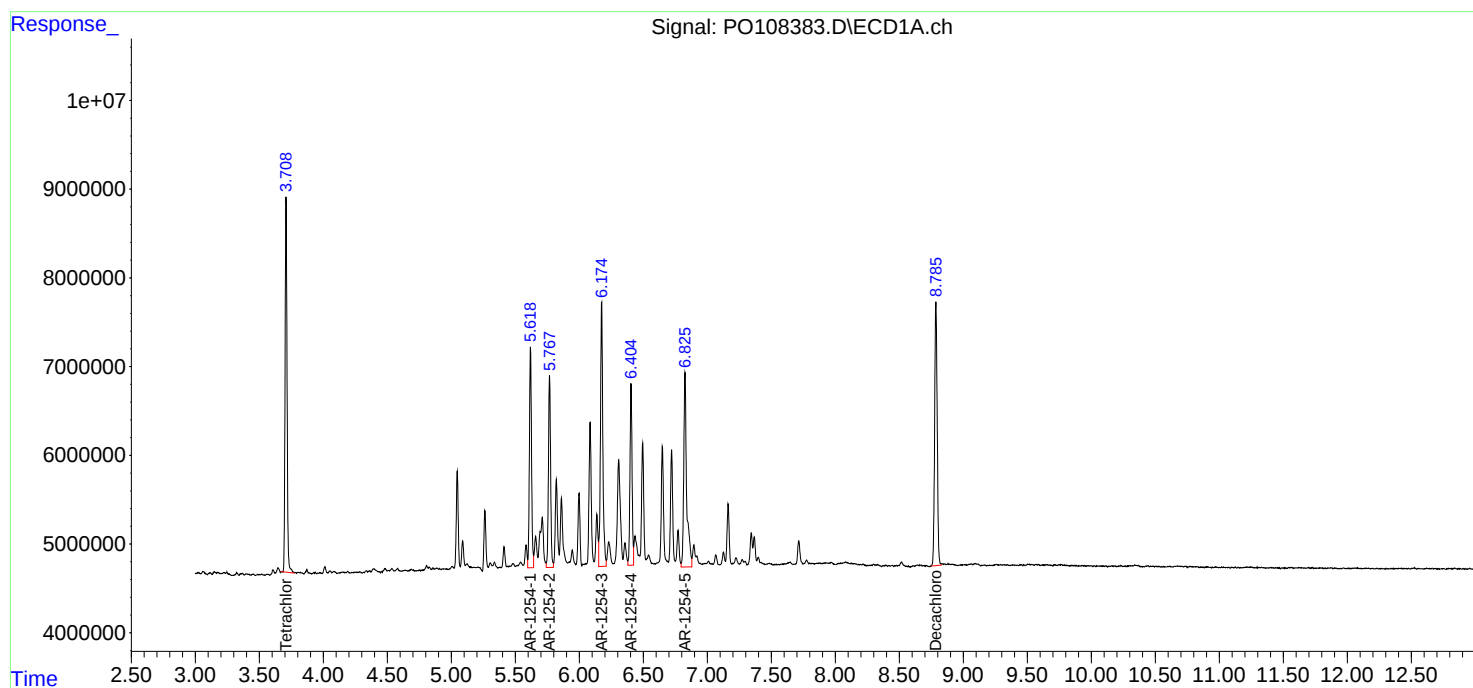
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

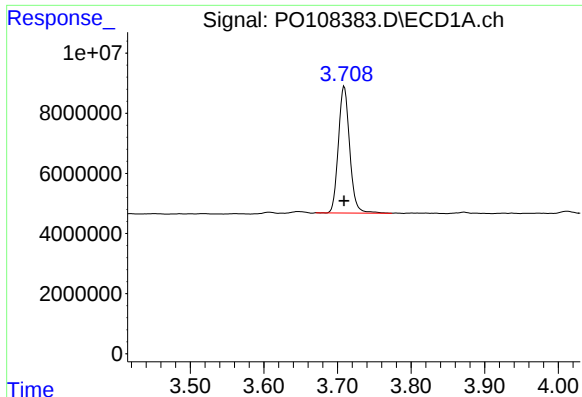
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:55:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





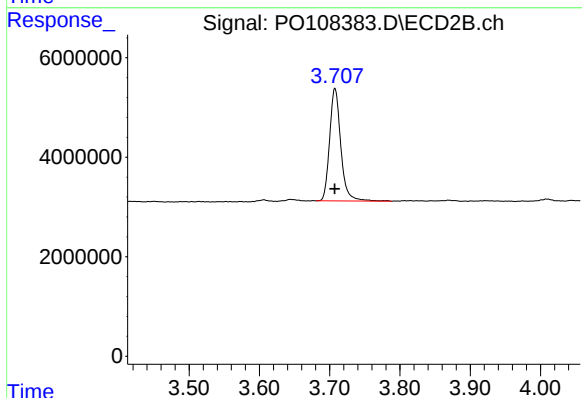
## #1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 44979145  
Conc: 4.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

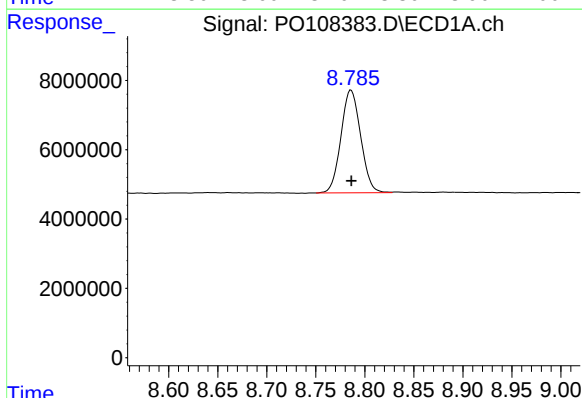
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



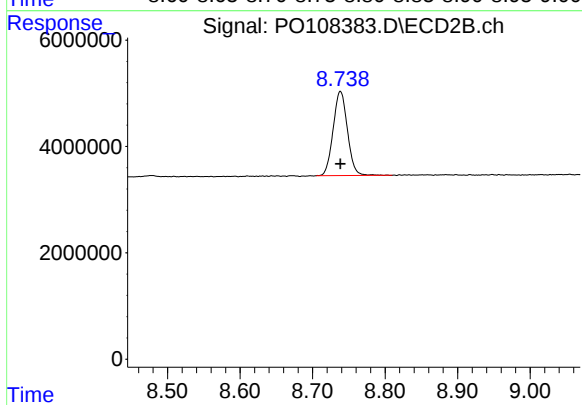
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 24991936  
Conc: 4.66 ng/ml



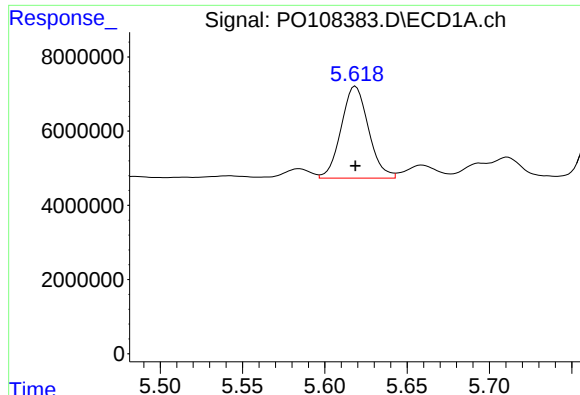
## #2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 41446440  
Conc: 5.28 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.738 min  
Delta R.T.: 0.000 min  
Response: 21658098  
Conc: 5.09 ng/ml



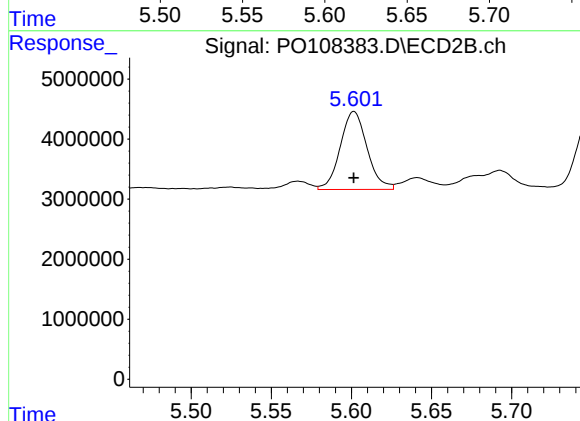
#26 AR-1254-1

R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 28602032  
Conc: 55.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

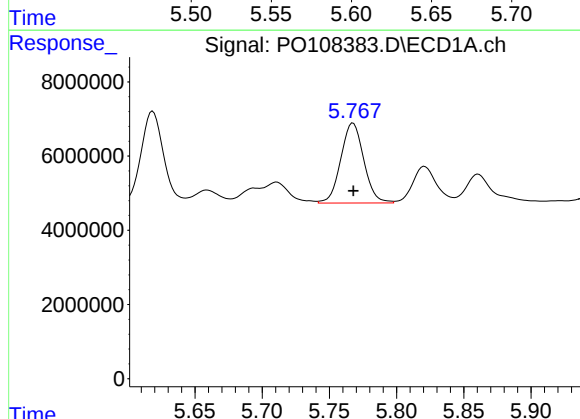
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



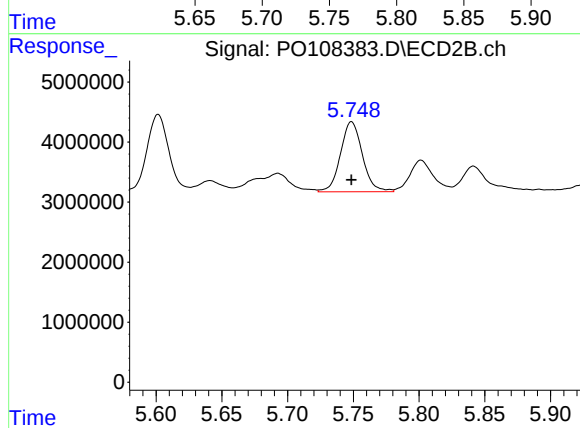
#26 AR-1254-1

R.T.: 5.602 min  
Delta R.T.: 0.000 min  
Response: 15172054  
Conc: 56.35 ng/ml



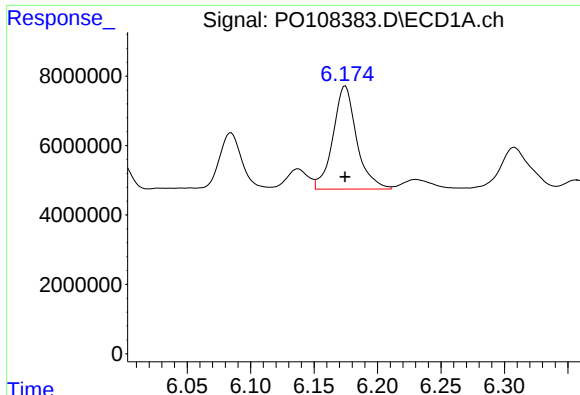
#27 AR-1254-2

R.T.: 5.767 min  
Delta R.T.: 0.000 min  
Response: 25591845  
Conc: 56.51 ng/ml m



#27 AR-1254-2

R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 13582944  
Conc: 56.89 ng/ml



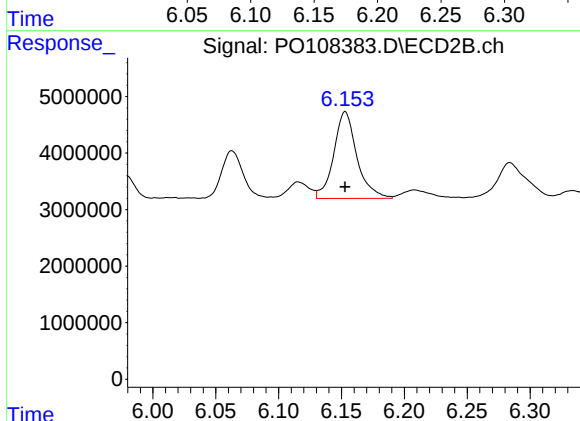
#28 AR-1254-3

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 38497674  
Conc: 52.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

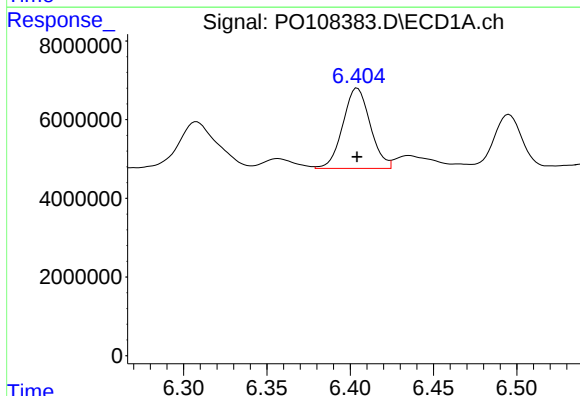
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



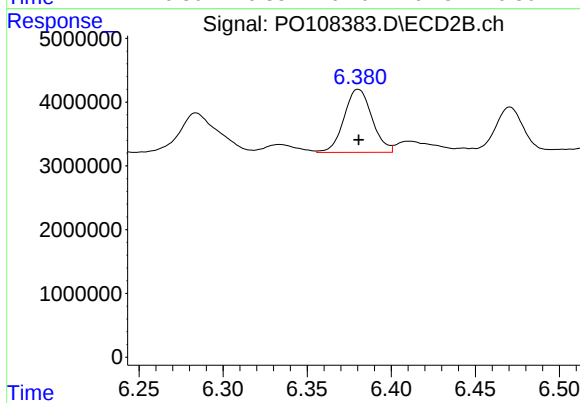
#28 AR-1254-3

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 19696275  
Conc: 51.77 ng/ml



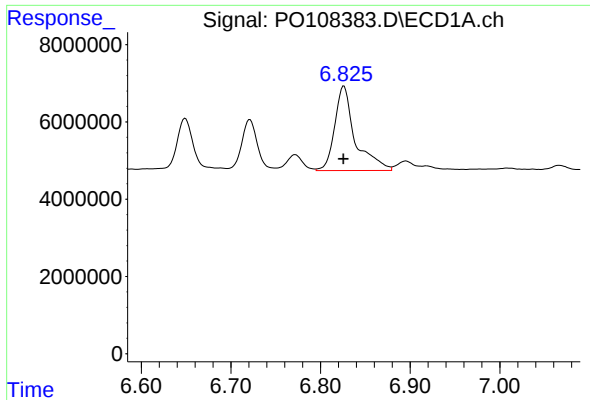
#29 AR-1254-4

R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 23289470  
Conc: 52.42 ng/ml m



#29 AR-1254-4

R.T.: 6.380 min  
Delta R.T.: 0.000 min  
Response: 11443812  
Conc: 51.90 ng/ml



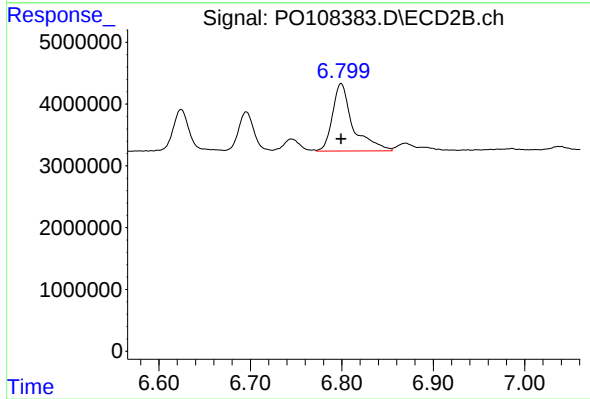
#30 AR-1254-5

R.T.: 6.826 min  
Delta R.T.: 0.000 min  
Response: 34671057  
Conc: 54.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/09/2024  
Supervised By :Ankita Jodhani 12/09/2024



#30 AR-1254-5

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 16988687  
Conc: 51.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108384.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:03  
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: Dec 07 05:34:04 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:33:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 464.9E6 | 262.4E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 386.0E6 | 210.6E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 36) L8 AR-1262-1            | 6.865 | 6.840 | 329.2E6 | 169.0E6  | 500.000 | 500.000 |
| 37) L8 AR-1262-2            | 7.367 | 7.338 | 555.9E6 | 285.9E6  | 500.000 | 500.000 |
| 38) L8 AR-1262-3            | 7.654 | 7.624 | 218.4E6 | 112.2E6  | 500.000 | 500.000 |
| 39) L8 AR-1262-4            | 7.717 | 7.686 | 403.1E6 | 204.8E6  | 500.000 | 500.000 |
| 40) L8 AR-1262-5            | 8.216 | 8.180 | 177.5E6 | 92414014 | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

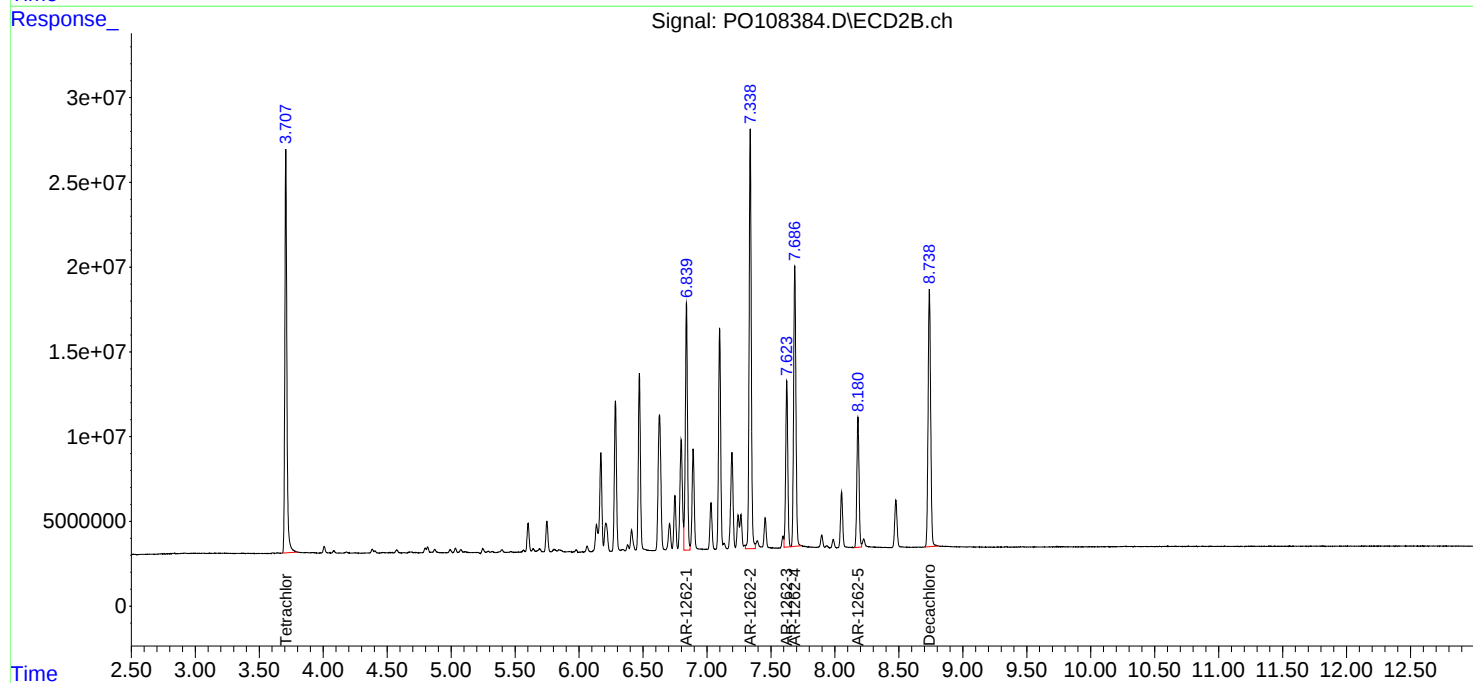
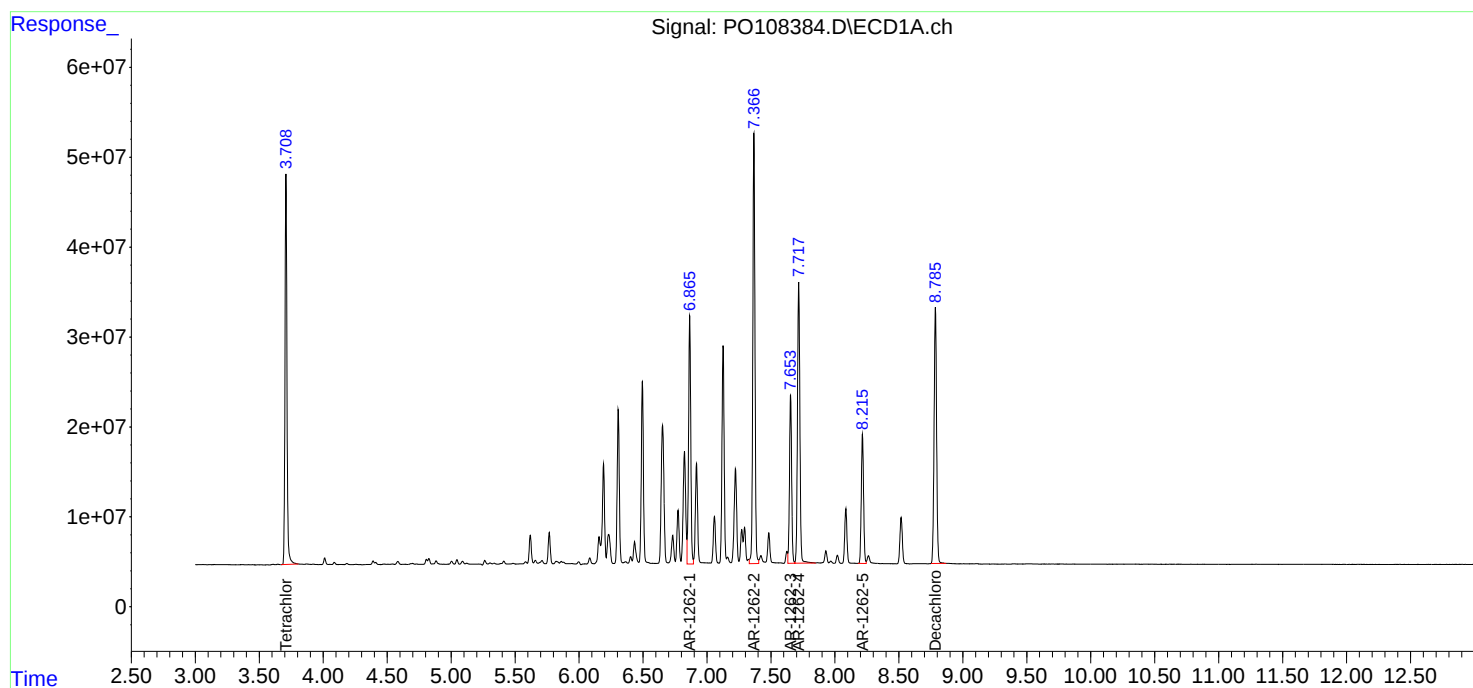
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108384.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:03  
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: Dec 07 05:34:04 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:33:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

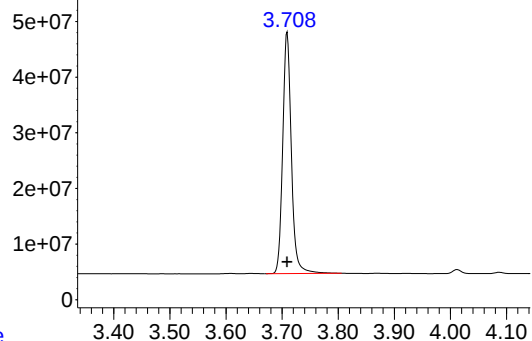
Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_

Signal: PO108384.D\ECD1A.ch

#1 Tetrachloro-m-xylene



R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 464863311  
Conc: 50.00 ng/ml

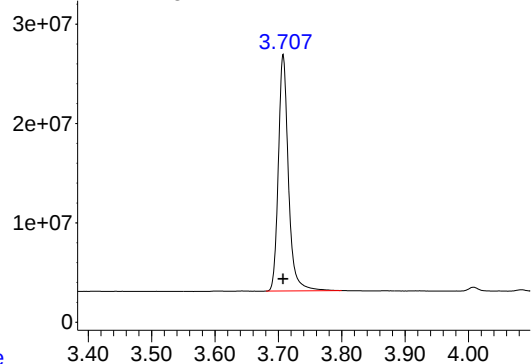
Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500

Time

Response\_

Signal: PO108384.D\ECD2B.ch

#1 Tetrachloro-m-xylene



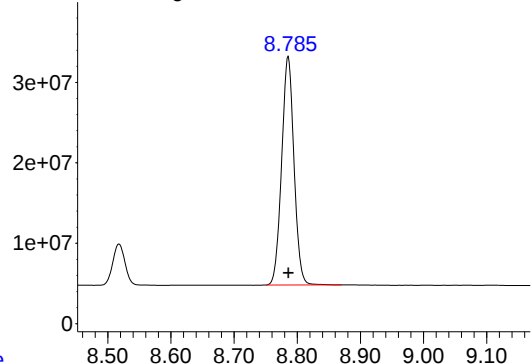
R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 262368057  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PO108384.D\ECD1A.ch

#2 Decachlorobiphenyl



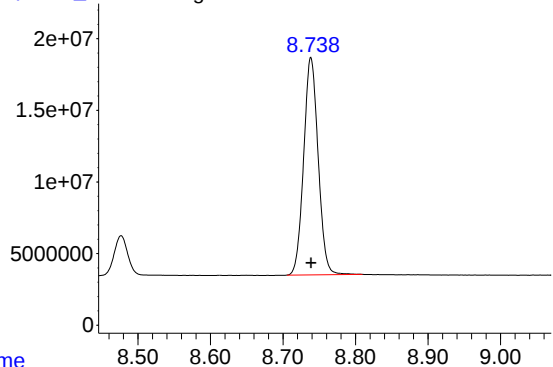
R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 386015364  
Conc: 50.00 ng/ml

Time

Response\_

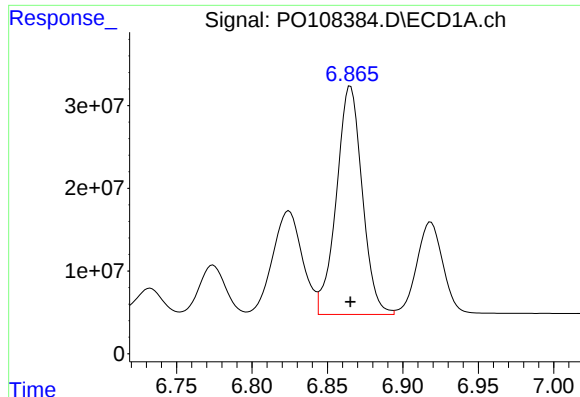
Signal: PO108384.D\ECD2B.ch

#2 Decachlorobiphenyl



R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 210636841  
Conc: 50.00 ng/ml

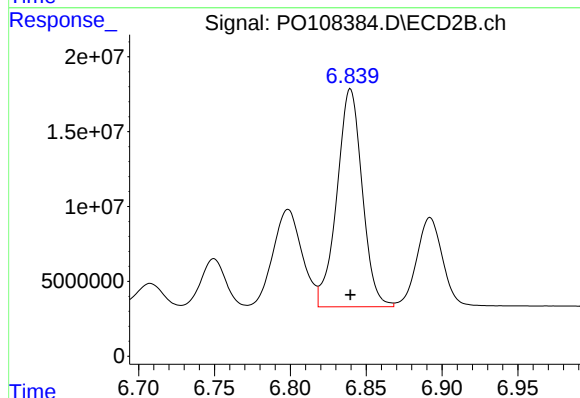
Time



#36 AR-1262-1

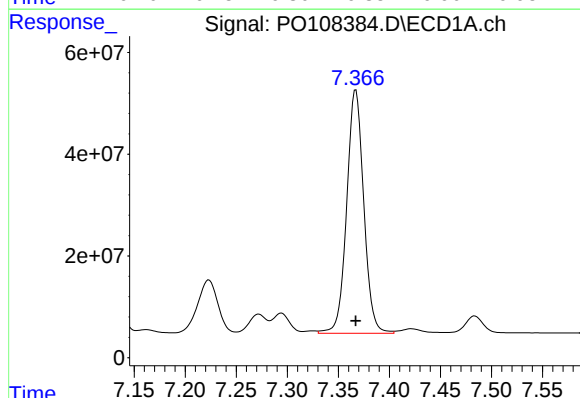
R.T.: 6.865 min  
Delta R.T.: 0.000 min  
Response: 329197710  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



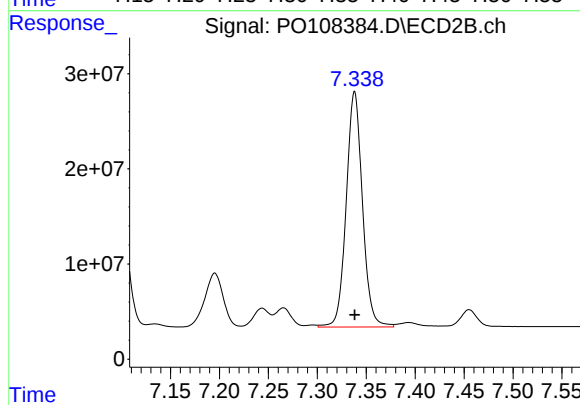
#36 AR-1262-1

R.T.: 6.840 min  
Delta R.T.: 0.000 min  
Response: 168987364  
Conc: 500.00 ng/ml



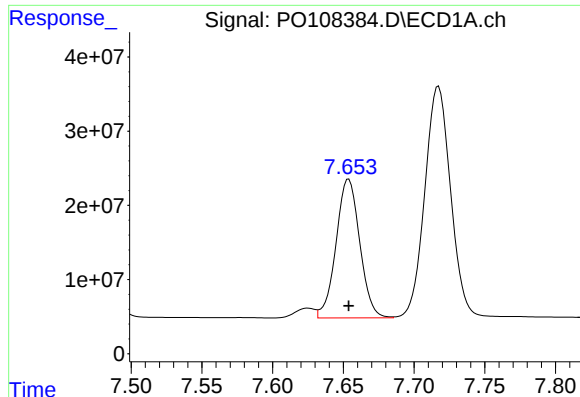
#37 AR-1262-2

R.T.: 7.367 min  
Delta R.T.: 0.000 min  
Response: 555852664  
Conc: 500.00 ng/ml



#37 AR-1262-2

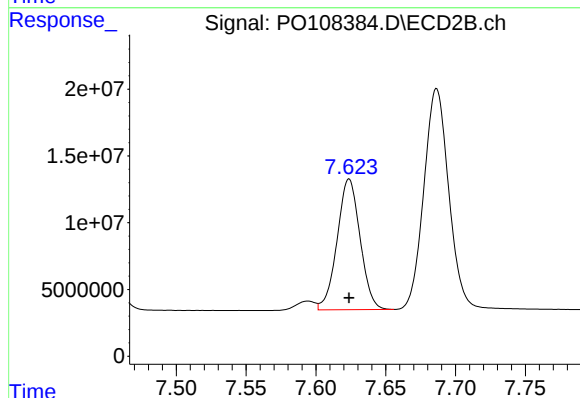
R.T.: 7.338 min  
Delta R.T.: 0.000 min  
Response: 285927422  
Conc: 500.00 ng/ml



#38 AR-1262-3

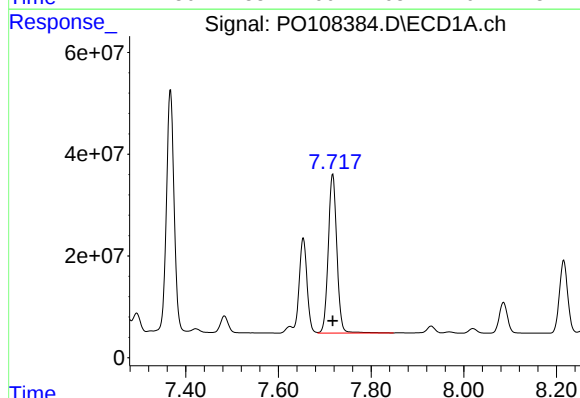
R.T.: 7.654 min  
Delta R.T.: 0.000 min  
Response: 218427653  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500



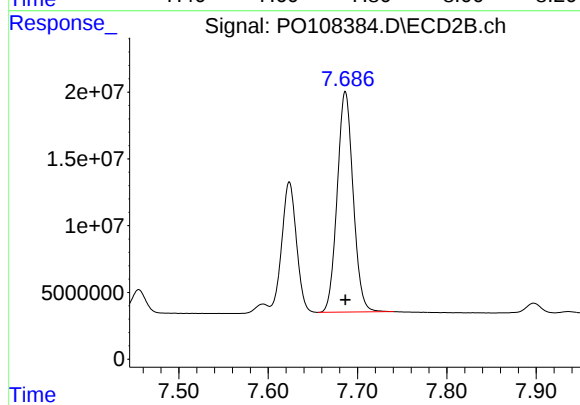
#38 AR-1262-3

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 112213561  
Conc: 500.00 ng/ml



#39 AR-1262-4

R.T.: 7.717 min  
Delta R.T.: 0.000 min  
Response: 403149031  
Conc: 500.00 ng/ml



#39 AR-1262-4

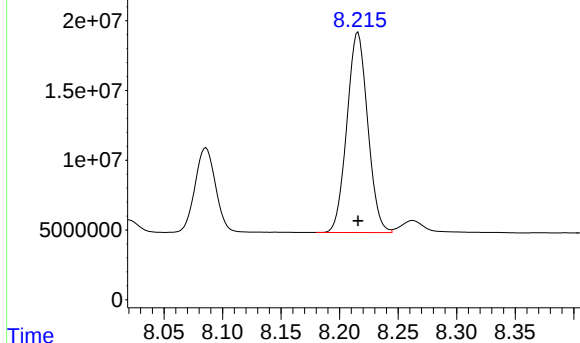
R.T.: 7.686 min  
Delta R.T.: 0.000 min  
Response: 204794023  
Conc: 500.00 ng/ml

Response\_

Signal: PO108384.D\ECD1A.ch

#40 AR-1262-5

ICAL Form



R.T.: 8.216 min  
Delta R.T.: 0.000 min  
Response: 177467775  
Conc: 500.00 ng/ml

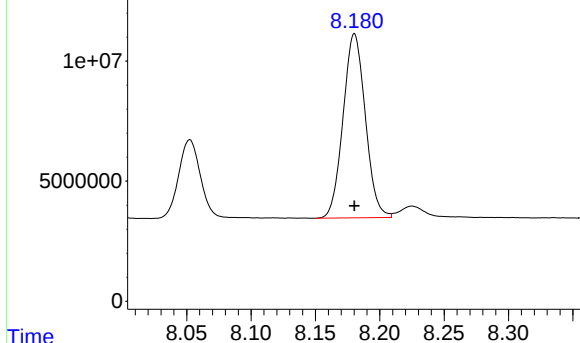
Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500

Time

Response\_

Signal: PO108384.D\ECD2B.ch

#40 AR-1262-5



R.T.: 8.180 min  
Delta R.T.: 0.000 min  
Response: 92414014  
Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108385.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:21  
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: Dec 07 05:38:18 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|----------|----------|----------|
| -----                       |       |       |          |          |          |          |
| System Monitoring Compounds |       |       |          |          |          |          |
| 1) SA Tetrachlo...          | 3.708 | 3.707 | 944.0E6  | 535.4E6  | 100.787  | 101.787  |
| 2) SA Decachlor...          | 8.785 | 8.738 | 1311.6E6 | 721.6E6  | 101.008  | 101.029  |
| Target Compounds            |       |       |          |          |          |          |
| 41) L9 AR-1268-1            | 7.653 | 7.623 | 1246.1E6 | 656.7E6  | 1009.703 | 1016.722 |
| 42) L9 AR-1268-2            | 7.718 | 7.688 | 1144.2E6 | 598.9E6  | 1028.743 | 1029.699 |
| 43) L9 AR-1268-3            | 7.929 | 7.898 | 941.0E6  | 514.1E6  | 1023.522 | 1023.269 |
| 44) L9 AR-1268-4            | 8.215 | 8.180 | 385.9E6  | 204.5E6  | 1004.849 | 1009.851 |
| 45) L9 AR-1268-5            | 8.517 | 8.477 | 2890.0E6 | 1554.5E6 | 1041.955 | 1041.780 |
| -----                       |       |       |          |          |          |          |

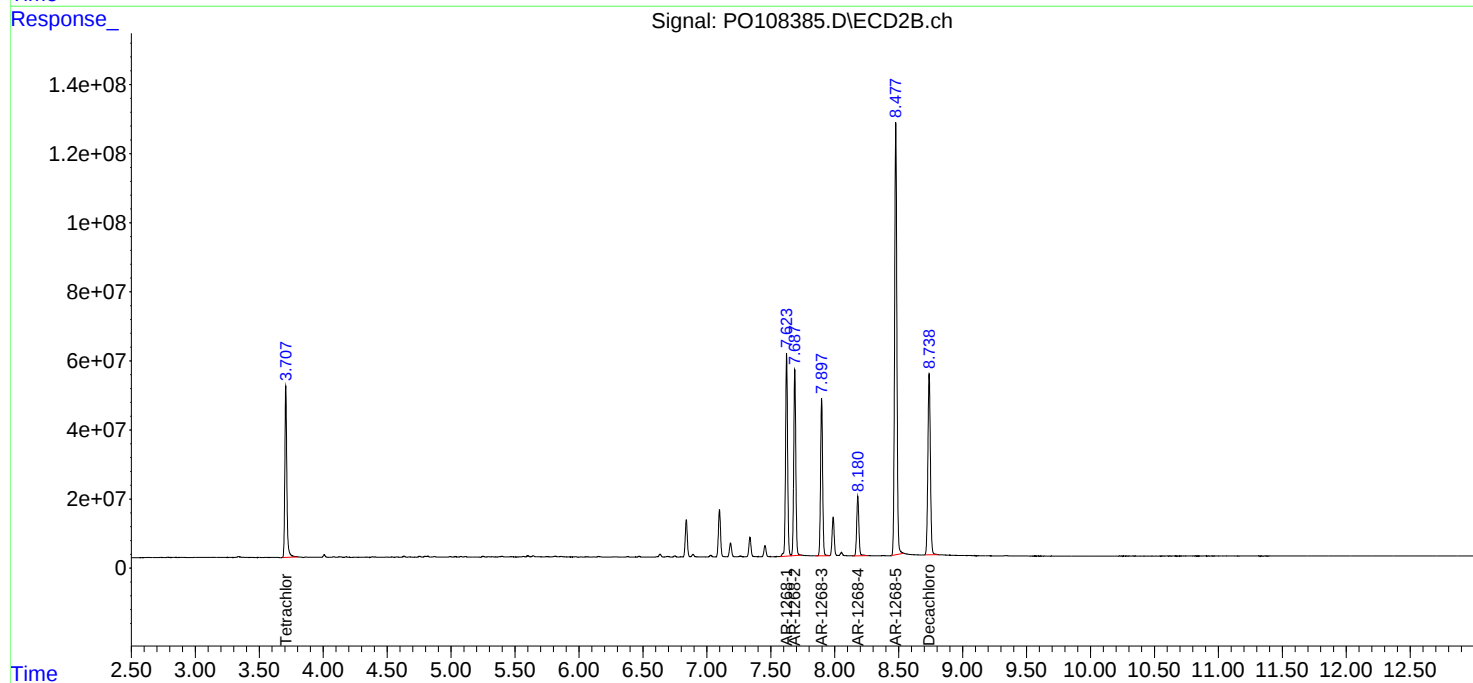
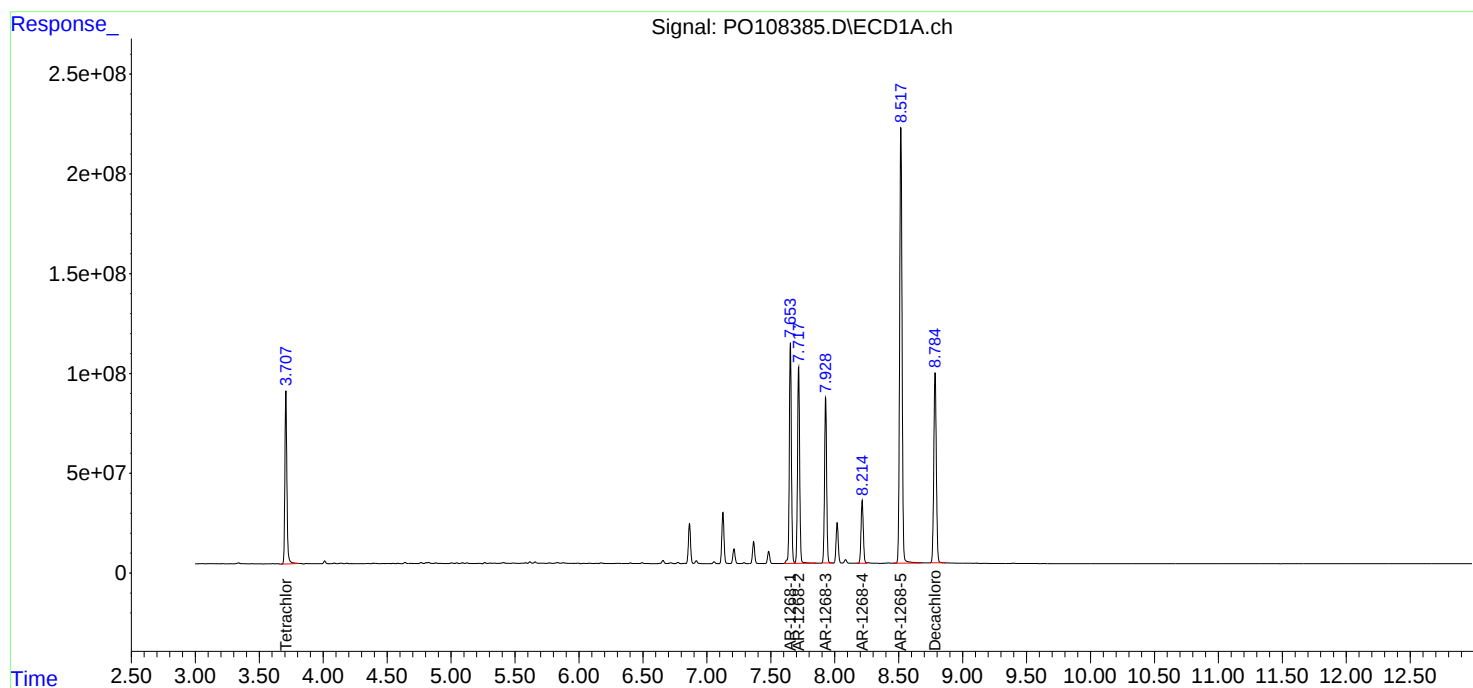
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108385.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:21  
Operator : YP/AJ  
Sample : AR1268ICC1000  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

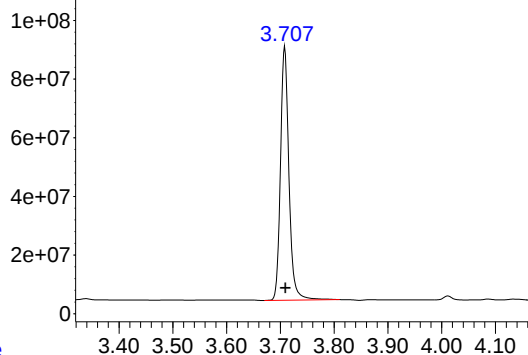
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:38:18 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108385.D\ECD1A.ch

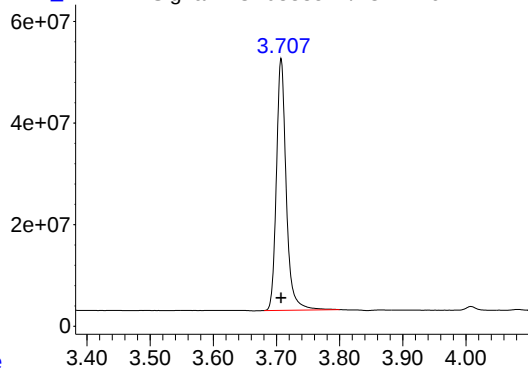


#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 943992460  
Conc: 100.79 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

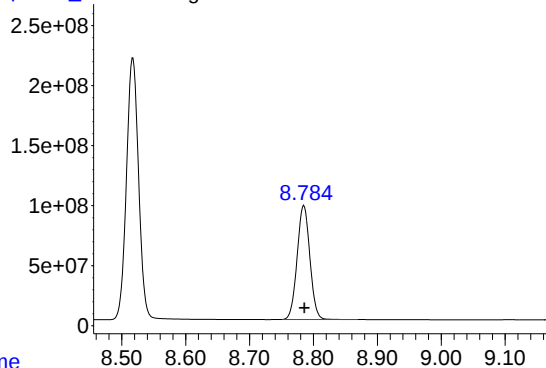
Time Response\_ Signal: PO108385.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 535375774  
Conc: 101.79 ng/ml

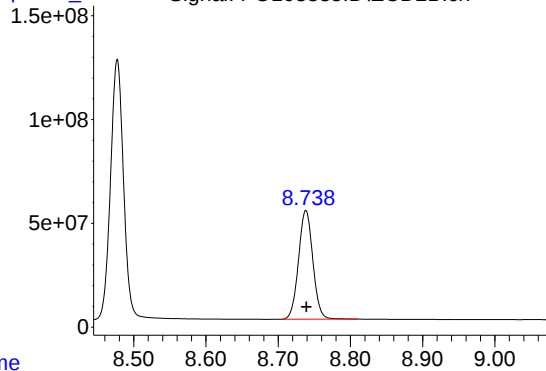
Time Response\_ Signal: PO108385.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 1311605452  
Conc: 101.01 ng/ml

Time Response\_ Signal: PO108385.D\ECD2B.ch



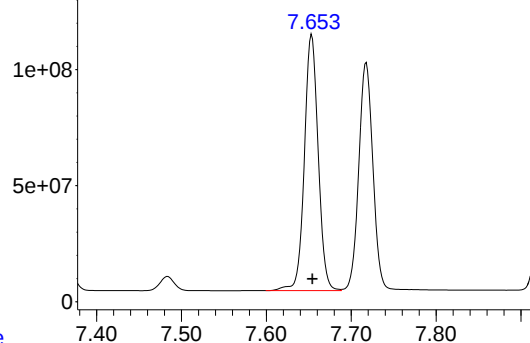
#2 Decachlorobiphenyl

R.T.: 8.738 min  
Delta R.T.: 0.000 min  
Response: 721632730  
Conc: 101.03 ng/ml

Response\_

Signal: PO108385.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.653 min  
Delta R.T.: 0.000 min  
Response: 1246089127  
Conc: 1009.70 ng/ml

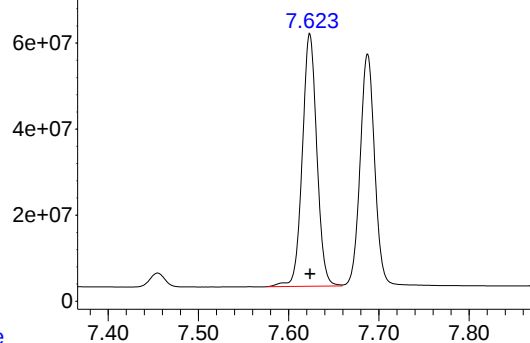
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Time

Response\_

Signal: PO108385.D\ECD2B.ch

#41 AR-1268-1



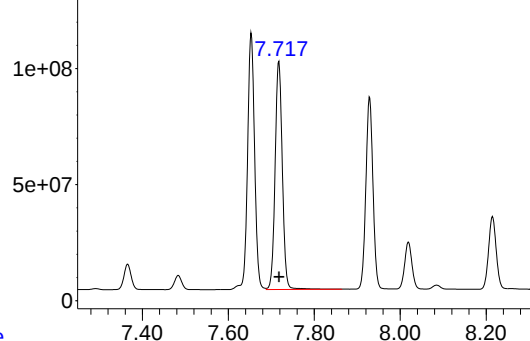
R.T.: 7.623 min  
Delta R.T.: 0.000 min  
Response: 656711077  
Conc: 1016.72 ng/ml

Time

Response\_

Signal: PO108385.D\ECD1A.ch

#42 AR-1268-2



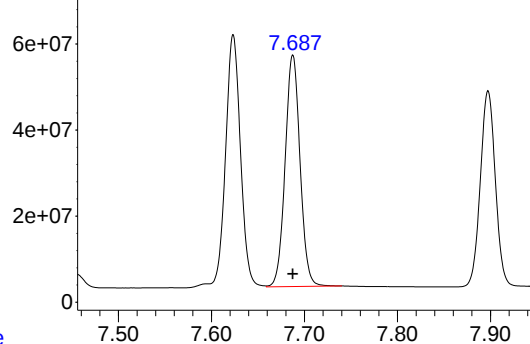
R.T.: 7.718 min  
Delta R.T.: 0.000 min  
Response: 1144198522  
Conc: 1028.74 ng/ml

Time

Response\_

Signal: PO108385.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.688 min  
Delta R.T.: 0.000 min  
Response: 598855523  
Conc: 1029.70 ng/ml

Time

Response\_ Signal: PO108385.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.929 min  
Delta R.T.: 0.000 min  
Response: 940965396  
Conc: 1023.52 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Time

Response\_ Signal: PO108385.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.898 min  
Delta R.T.: 0.000 min  
Response: 514109640  
Conc: 1023.27 ng/ml

Time

Response\_ Signal: PO108385.D\ECD1A.ch

#44 AR-1268-4

R.T.: 8.215 min  
Delta R.T.: 0.000 min  
Response: 385949324  
Conc: 1004.85 ng/ml

Time

Response\_ Signal: PO108385.D\ECD2B.ch

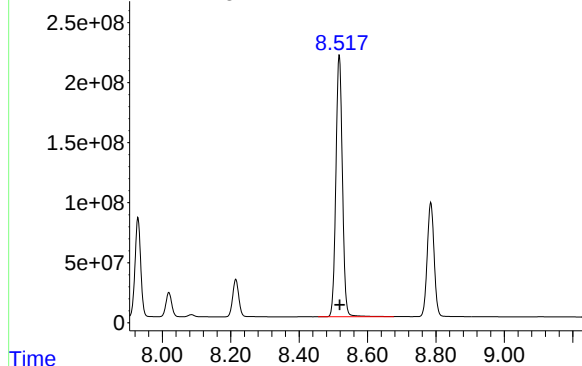
#44 AR-1268-4

R.T.: 8.180 min  
Delta R.T.: 0.000 min  
Response: 204541613  
Conc: 1009.85 ng/ml

Time

Signal: PO108385.D\ECD1A.ch

#45 AR-1268-5

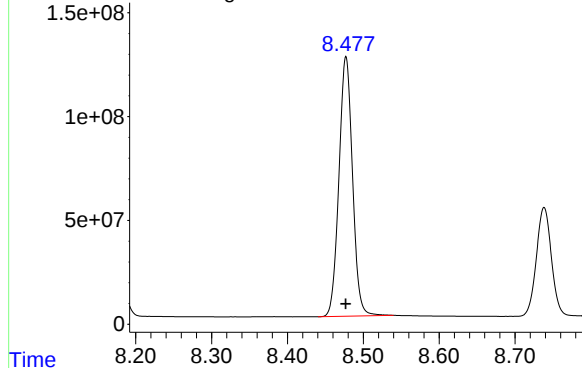


R.T.: 8.517 min  
Delta R.T.: -0.001 min  
Response: 2890019913  
Conc: 1041.95 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Signal: PO108385.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min  
Delta R.T.: 0.000 min  
Response: 1554458685  
Conc: 1041.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108386.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:39  
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: Dec 07 05:38:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 669.5E6  | 379.5E6  | 71.476  | 72.154  |
| 2) SA Decachlor...          | 8.785 | 8.737 | 951.4E6  | 522.4E6  | 73.266  | 73.130  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.654 | 7.624 | 898.9E6  | 471.8E6  | 728.384 | 730.420 |
| 42) L9 AR-1268-2            | 7.719 | 7.686 | 816.4E6  | 430.2E6  | 734.013 | 739.705 |
| 43) L9 AR-1268-3            | 7.930 | 7.897 | 624.3E6  | 355.3E6  | 679.030 | 707.248 |
| 44) L9 AR-1268-4            | 8.217 | 8.180 | 277.7E6  | 146.2E6  | 723.017 | 721.624 |
| 45) L9 AR-1268-5            | 8.519 | 8.477 | 2067.2E6 | 1116.5E6 | 745.303 | 748.294 |
| -----                       |       |       |          |          |         |         |

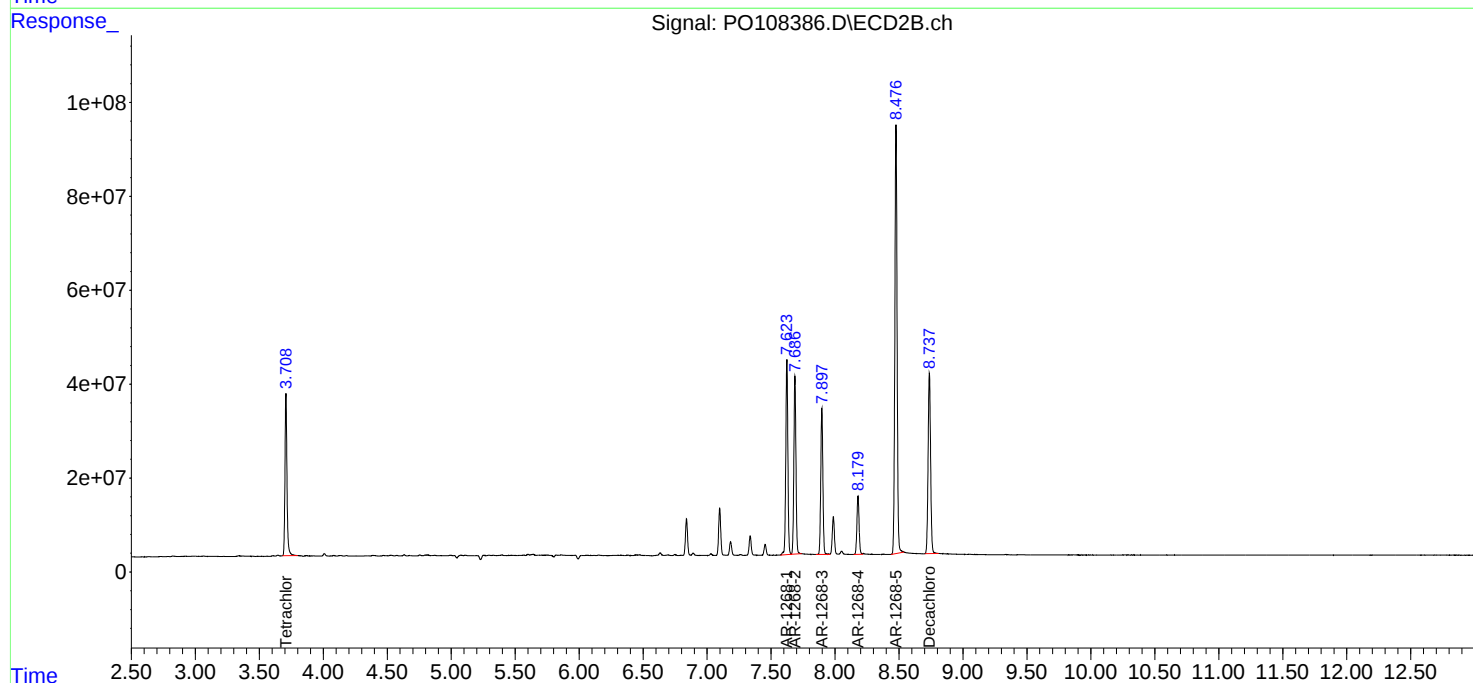
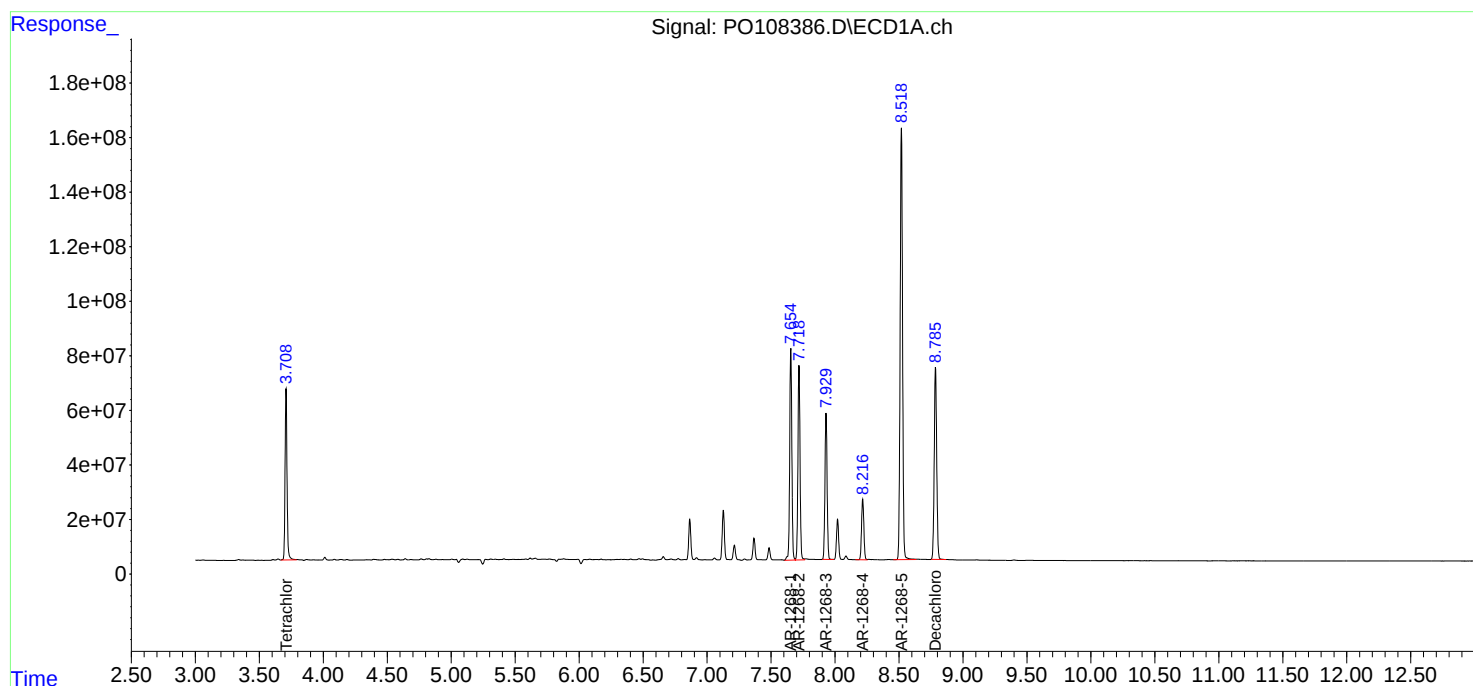
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

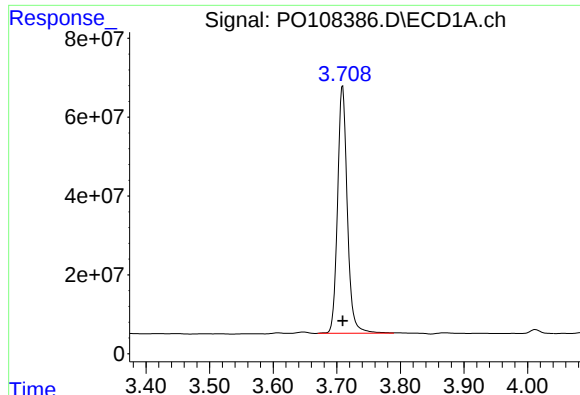
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108386.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:39  
Operator : YP/AJ  
Sample : AR1268ICC750  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:38:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

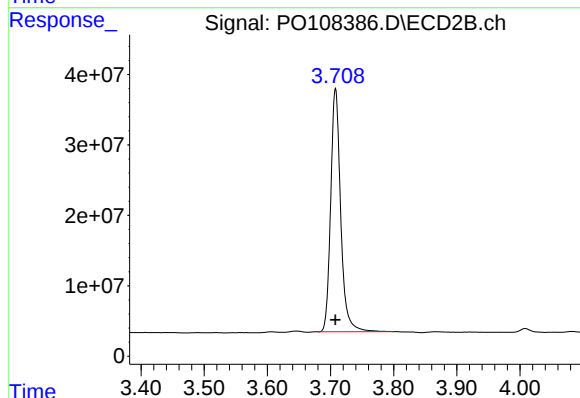




## #1 Tetrachloro-m-xylene

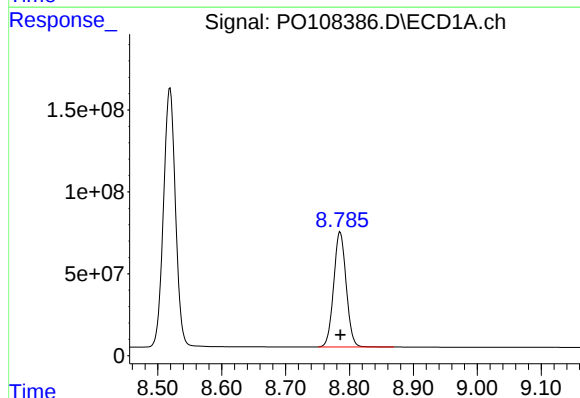
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 669456383  
Conc: 71.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750



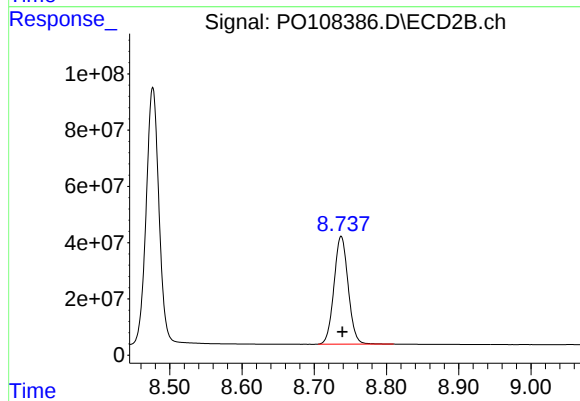
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 379513196  
Conc: 72.15 ng/ml



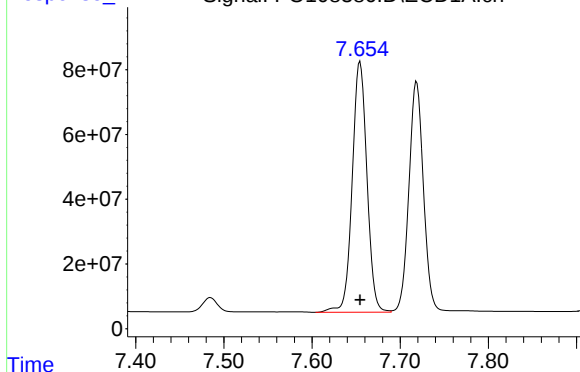
## #2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 951369628  
Conc: 73.27 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.737 min  
Delta R.T.: -0.002 min  
Response: 522354228  
Conc: 73.13 ng/ml



R.T.: 7.654 min  
Delta R.T.: 0.000 min  
Response: 898909093  
Conc: 728.38 ng/ml

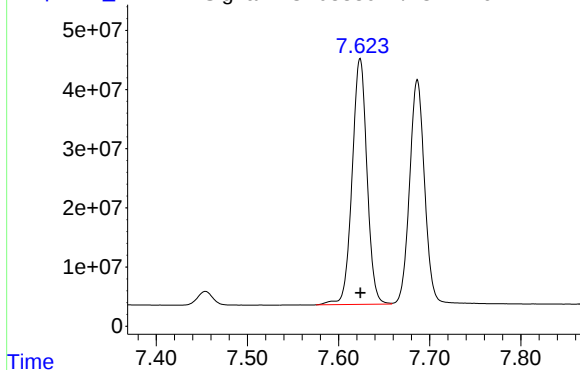
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Time

Response\_

Signal: PO108386.D\ECD2B.ch

#41 AR-1268-1



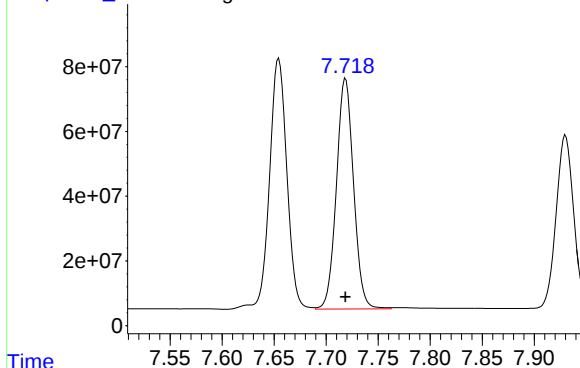
R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 471785666  
Conc: 730.42 ng/ml

Time

Response\_

Signal: PO108386.D\ECD1A.ch

#42 AR-1268-2



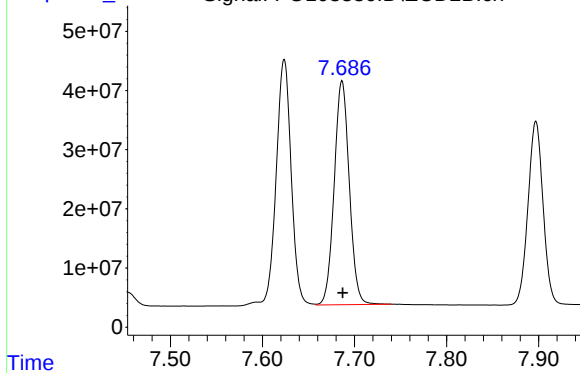
R.T.: 7.719 min  
Delta R.T.: 0.000 min  
Response: 816390694  
Conc: 734.01 ng/ml

Time

Response\_

Signal: PO108386.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.686 min  
Delta R.T.: 0.000 min  
Response: 430199750  
Conc: 739.70 ng/ml

Time

Response\_ Signal: PO108386.D\ECD1A.ch

#43 AR-1268-3

R.T.: 7.930 min  
Delta R.T.: 0.000 min  
Response: 624259833  
Conc: 679.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Time

Response\_ Signal: PO108386.D\ECD2B.ch

#43 AR-1268-3

R.T.: 7.897 min  
Delta R.T.: 0.000 min  
Response: 355334791  
Conc: 707.25 ng/ml

Time

Response\_ Signal: PO108386.D\ECD1A.ch

#44 AR-1268-4

R.T.: 8.217 min  
Delta R.T.: 0.000 min  
Response: 277701172  
Conc: 723.02 ng/ml

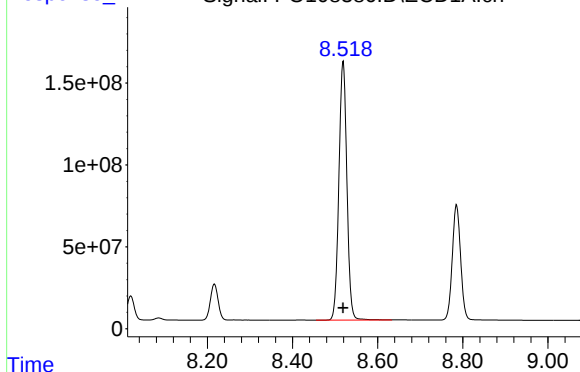
Time

Response\_ Signal: PO108386.D\ECD2B.ch

#44 AR-1268-4

R.T.: 8.180 min  
Delta R.T.: -0.001 min  
Response: 146162180  
Conc: 721.62 ng/ml

Time



R.T.: 8.519 min  
Delta R.T.: 0.000 min  
Response: 2067211896  
Conc: 745.30 ng/ml

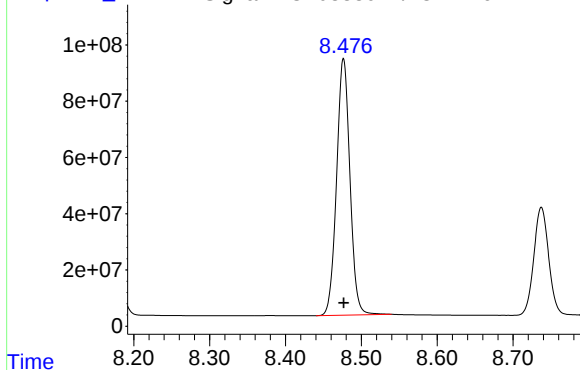
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Time

Response\_

Signal: PO108386.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min  
Delta R.T.: 0.000 min  
Response: 1116543679  
Conc: 748.29 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108387.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:58  
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: Dec 07 05:38:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 468.3E6  | 263.0E6 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 649.3E6  | 357.1E6 | 50.000  | 50.000  |
|                             |       |       |          |         |         |         |
| Target Compounds            |       |       |          |         |         |         |
| 41) L9 AR-1268-1            | 7.654 | 7.624 | 617.1E6  | 323.0E6 | 500.000 | 500.000 |
| 42) L9 AR-1268-2            | 7.718 | 7.687 | 556.1E6  | 290.8E6 | 500.000 | 500.000 |
| 43) L9 AR-1268-3            | 7.929 | 7.898 | 459.7E6  | 251.2E6 | 500.000 | 500.000 |
| 44) L9 AR-1268-4            | 8.216 | 8.181 | 192.0E6  | 101.3E6 | 500.000 | 500.000 |
| 45) L9 AR-1268-5            | 8.519 | 8.477 | 1386.8E6 | 746.1E6 | 500.000 | 500.000 |
| -----                       |       |       |          |         |         |         |

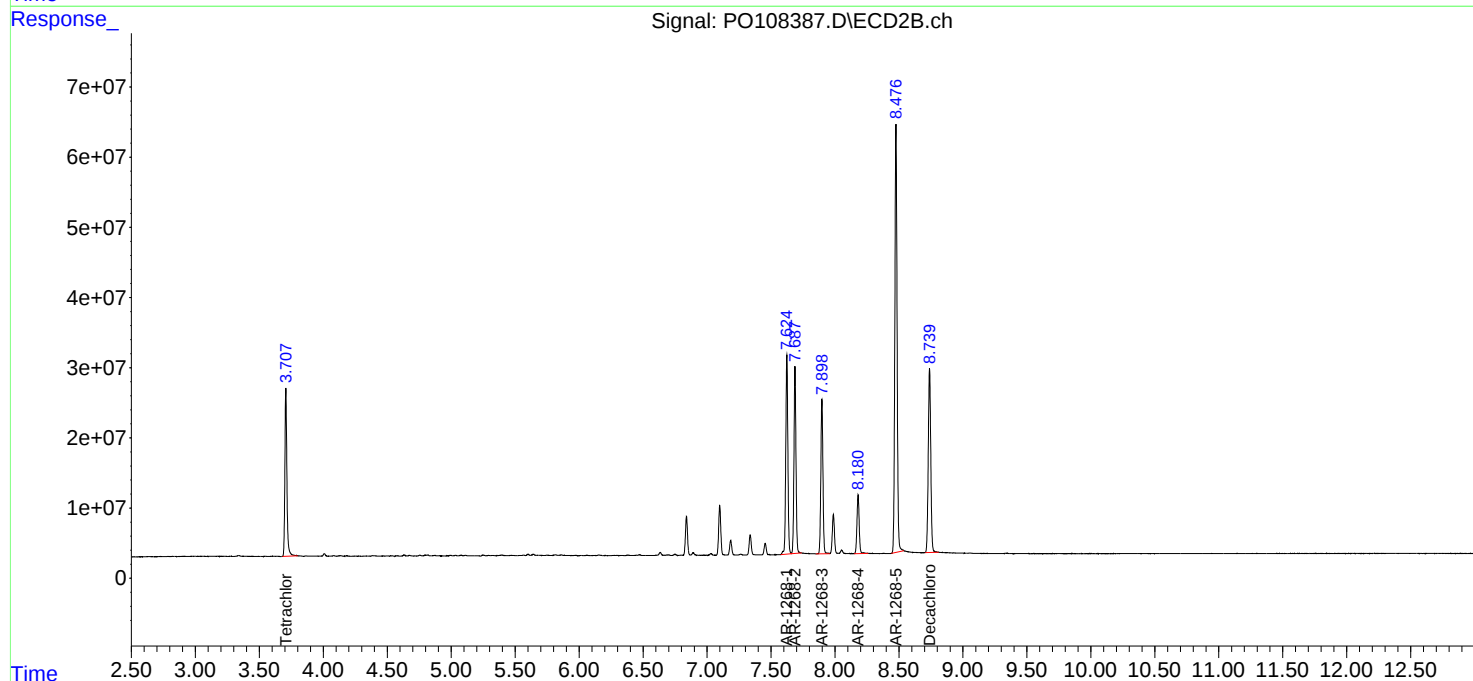
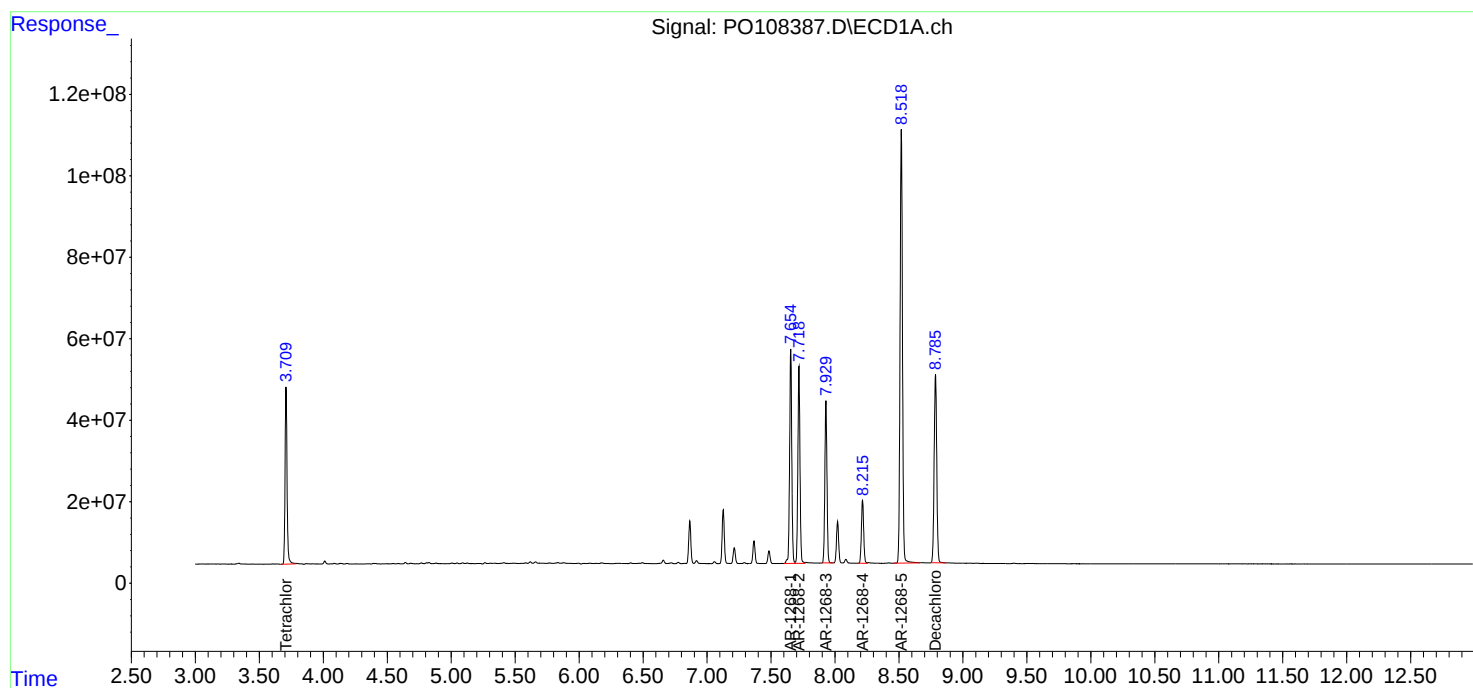
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

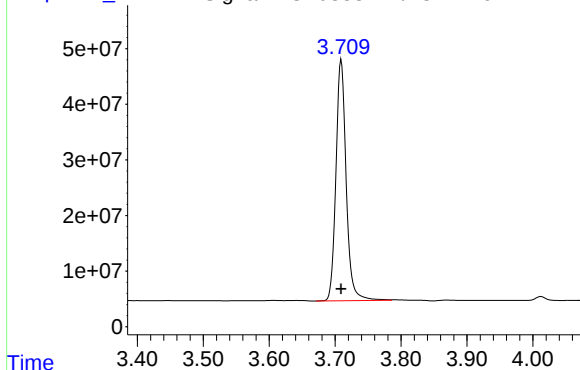
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108387.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 21:58  
Operator : YP/AJ  
Sample : AR1268ICC500  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:38:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 468311001  
Conc: 50.00 ng/ml

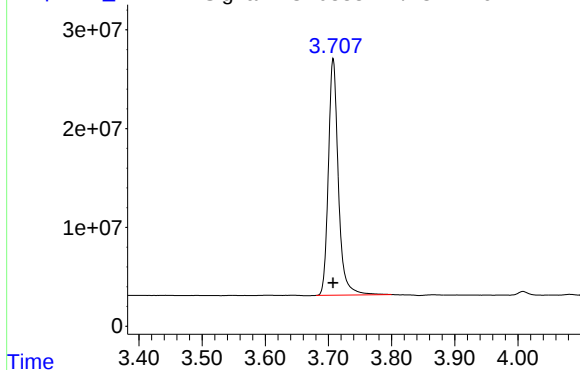
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Time

Response\_

Signal: PO108387.D\ECD2B.ch

#1 Tetrachloro-m-xylene



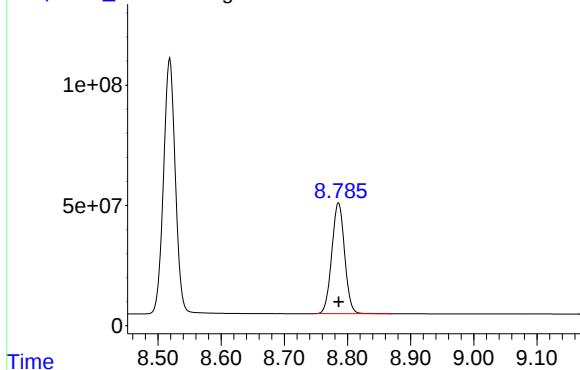
R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 262989420  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PO108387.D\ECD1A.ch

#2 Decachlorobiphenyl



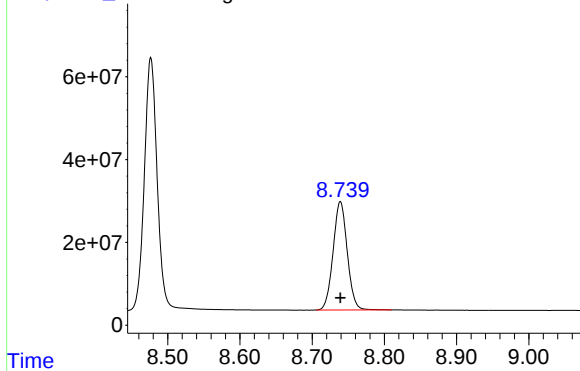
R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 649260310  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PO108387.D\ECD2B.ch

#2 Decachlorobiphenyl



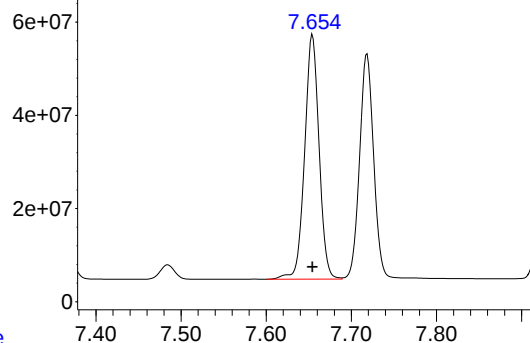
R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 357140184  
Conc: 50.00 ng/ml

Time

Response\_

Signal: PO108387.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.654 min  
Delta R.T.: 0.000 min  
Response: 617057217  
Conc: 500.00 ng/ml

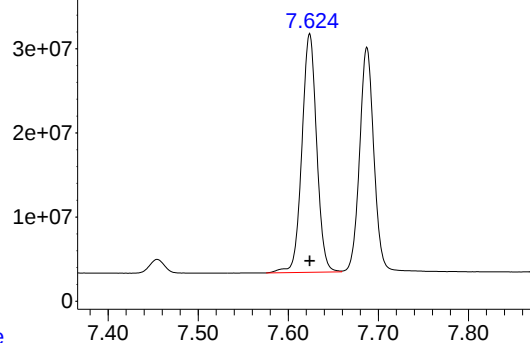
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Time

Response\_

Signal: PO108387.D\ECD2B.ch

#41 AR-1268-1



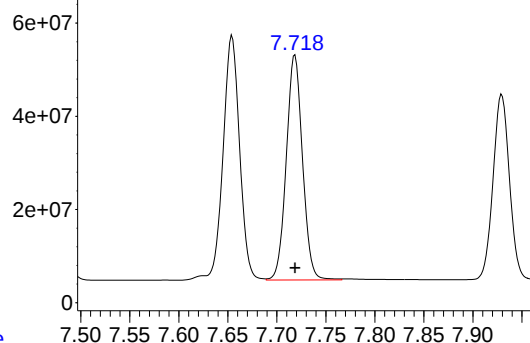
R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 322954995  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108387.D\ECD1A.ch

#42 AR-1268-2



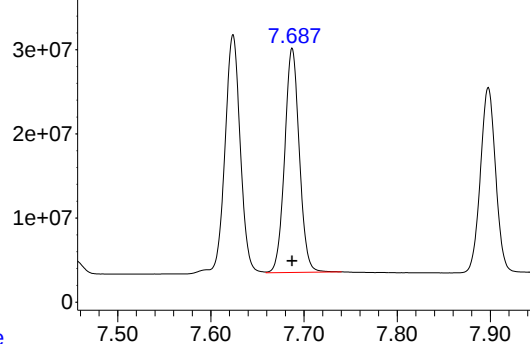
R.T.: 7.718 min  
Delta R.T.: 0.000 min  
Response: 556114731  
Conc: 500.00 ng/ml

Time

Response\_

Signal: PO108387.D\ECD2B.ch

#42 AR-1268-2

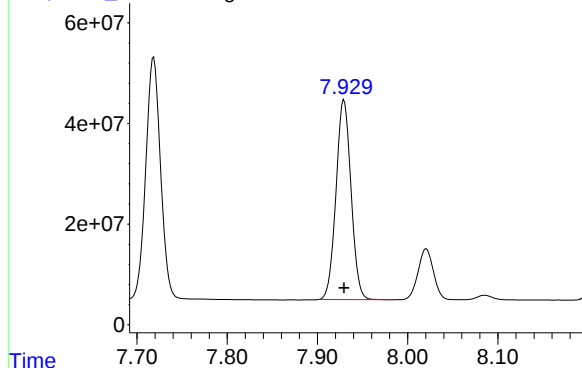


R.T.: 7.687 min  
Delta R.T.: 0.000 min  
Response: 290791613  
Conc: 500.00 ng/ml

Time

Response\_ Signal: PO108387.D\ECD1A.ch

#43 AR-1268-3

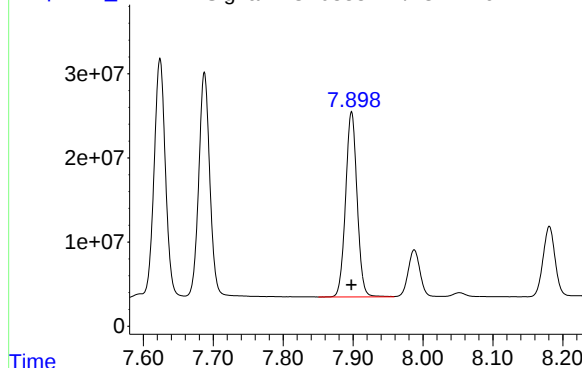


R.T.: 7.929 min  
Delta R.T.: 0.000 min  
Response: 459670374  
Conc: 500.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Response\_ Signal: PO108387.D\ECD2B.ch

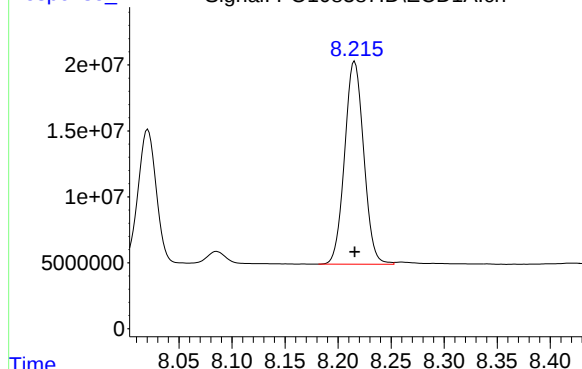
#43 AR-1268-3



R.T.: 7.898 min  
Delta R.T.: 0.000 min  
Response: 251209546  
Conc: 500.00 ng/ml

Response\_ Signal: PO108387.D\ECD1A.ch

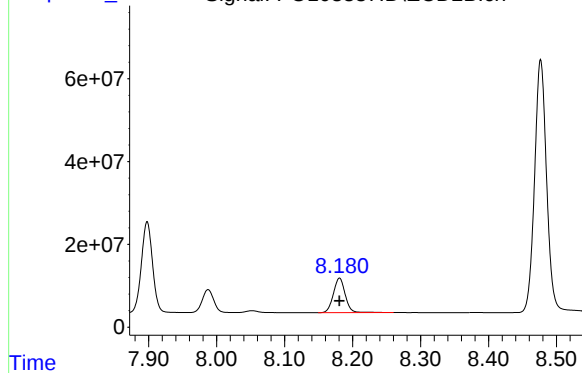
#44 AR-1268-4



R.T.: 8.216 min  
Delta R.T.: 0.000 min  
Response: 192043404  
Conc: 500.00 ng/ml

Response\_ Signal: PO108387.D\ECD2B.ch

#44 AR-1268-4

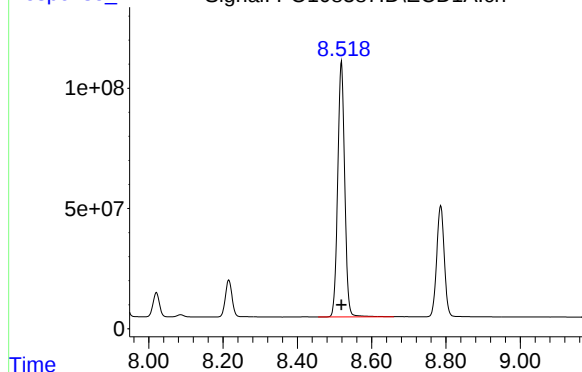


R.T.: 8.181 min  
Delta R.T.: 0.000 min  
Response: 101273149  
Conc: 500.00 ng/ml

Response\_

Signal: PO108387.D\ECD1A.ch

#45 AR-1268-5



R.T.: 8.519 min

Delta R.T.: 0.000 min

Response: 1386826180

Conc: 500.00 ng/ml

Instrument :

ECD\_O

ClientSampleId :

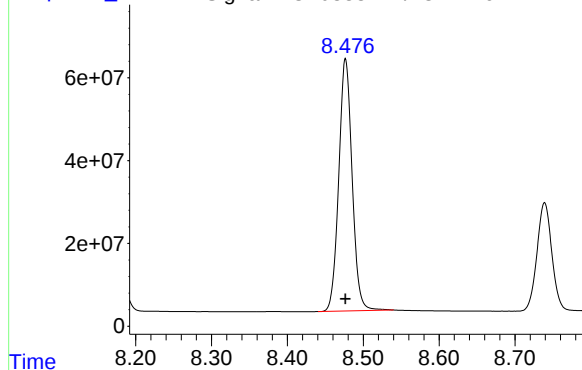
AR1268ICC500

Time

Response\_

Signal: PO108387.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min

Delta R.T.: 0.000 min

Response: 746059243

Conc: 500.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108388.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:16  
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: Dec 07 05:39:04 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 239.6E6 | 133.2E6  | 25.585  | 25.318  |
| 2) SA Decachlor...          | 8.785 | 8.739 | 341.5E6 | 185.2E6  | 26.300  | 25.923  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 41) L9 AR-1268-1            | 7.655 | 7.624 | 319.2E6 | 165.5E6  | 258.653 | 256.236 |
| 42) L9 AR-1268-2            | 7.719 | 7.688 | 286.9E6 | 148.5E6  | 257.913 | 255.365 |
| 43) L9 AR-1268-3            | 7.930 | 7.898 | 238.3E6 | 128.8E6  | 259.252 | 256.422 |
| 44) L9 AR-1268-4            | 8.216 | 8.181 | 101.2E6 | 53037702 | 263.394 | 261.855 |
| 45) L9 AR-1268-5            | 8.519 | 8.478 | 703.8E6 | 375.1E6  | 253.757 | 251.417 |
| -----                       |       |       |         |          |         |         |

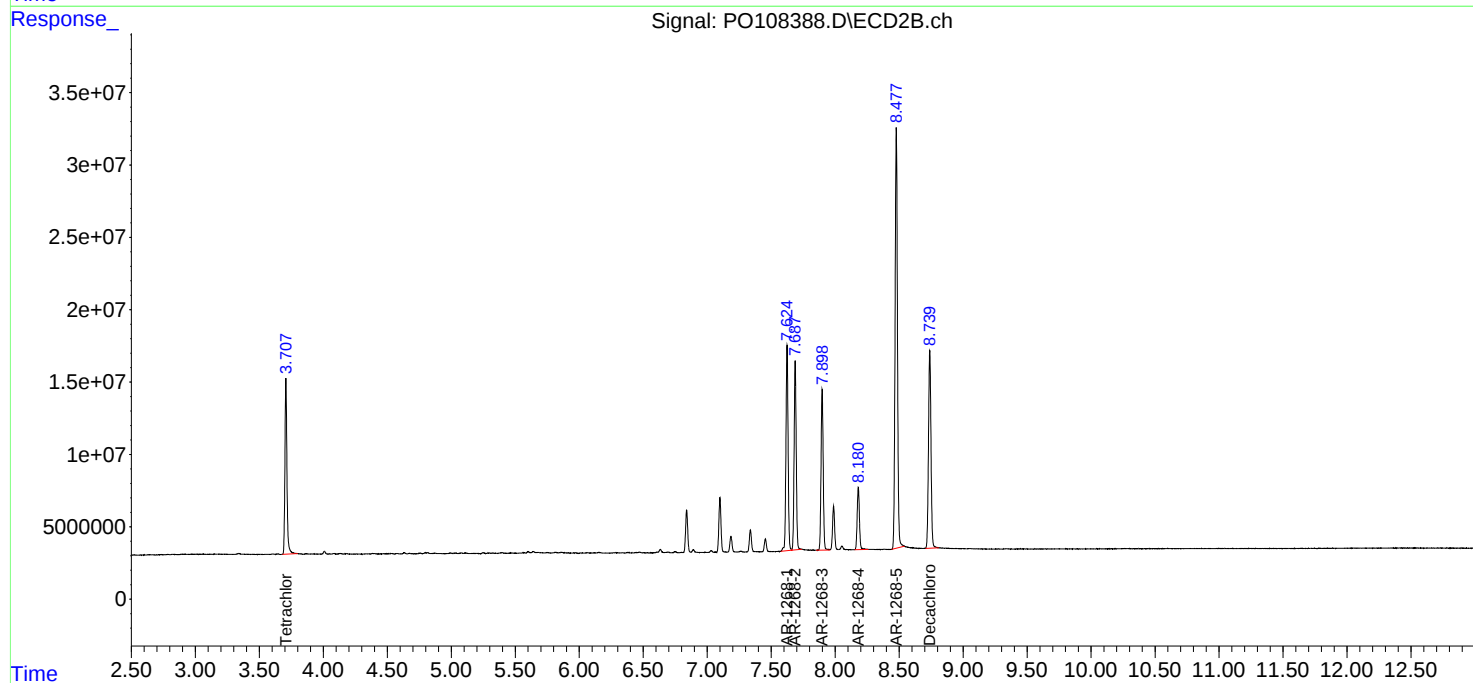
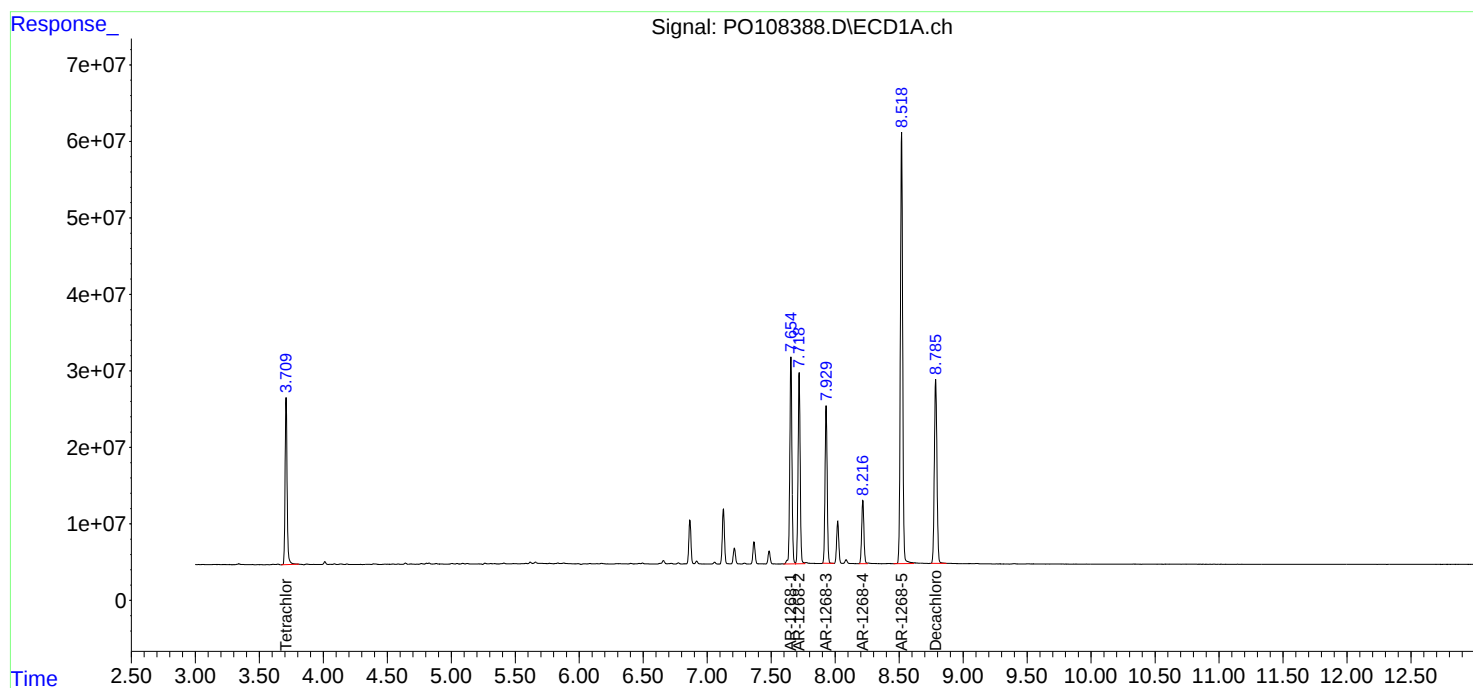
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108388.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:16  
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: Dec 07 05:39:04 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

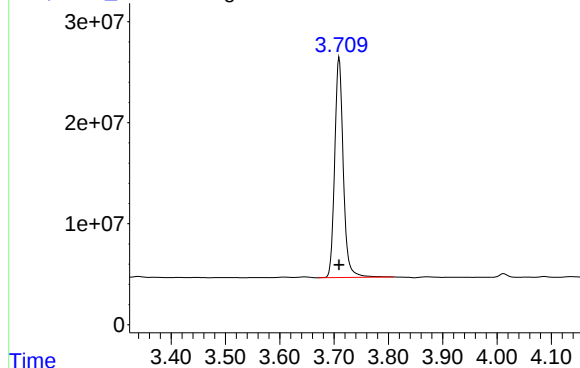


Response\_ Signal: PO108388.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 239632477  
Conc: 25.58 ng/ml

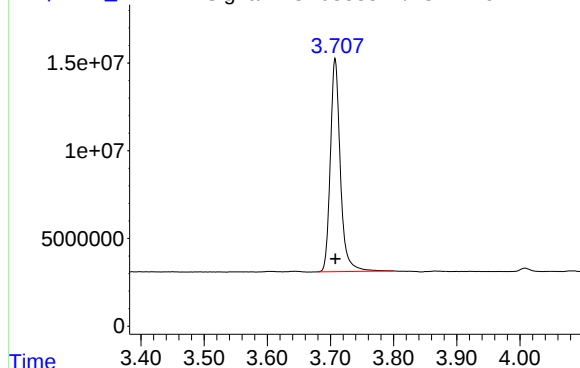
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



Time Response\_ Signal: PO108388.D\ECD2B.ch

#1 Tetrachloro-m-xylene

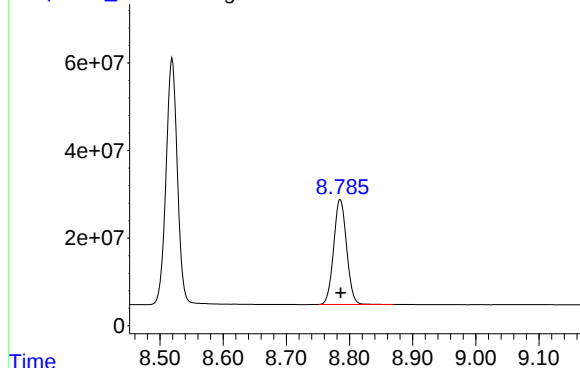
R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 133165161  
Conc: 25.32 ng/ml



Time Response\_ Signal: PO108388.D\ECD1A.ch

#2 Decachlorobiphenyl

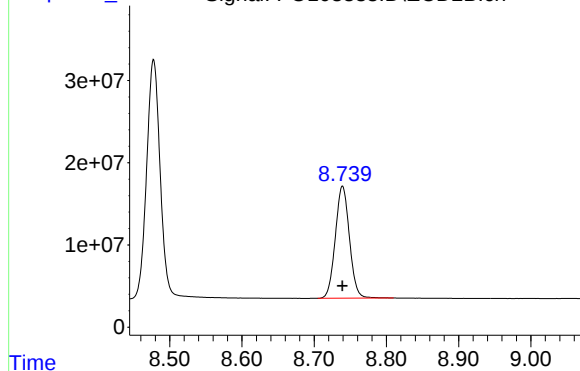
R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 341506276  
Conc: 26.30 ng/ml

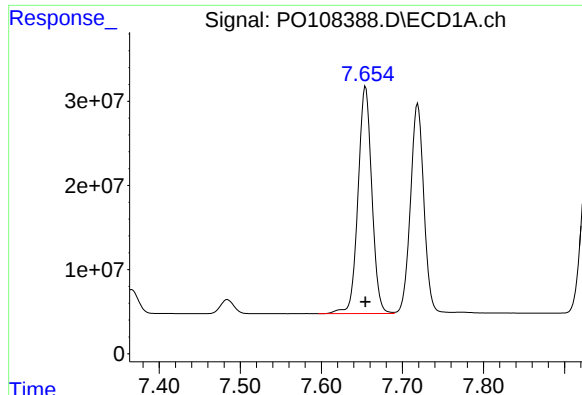


Time Response\_ Signal: PO108388.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 185159769  
Conc: 25.92 ng/ml

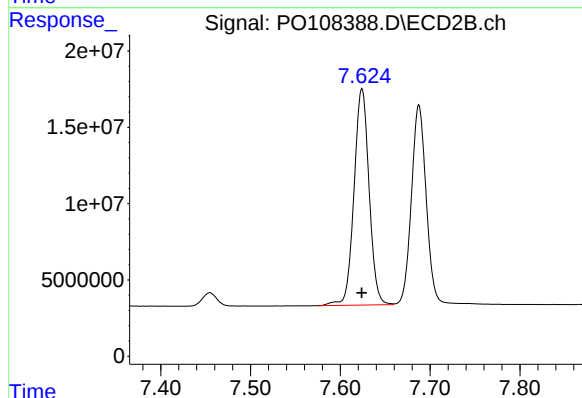




#41 AR-1268-1

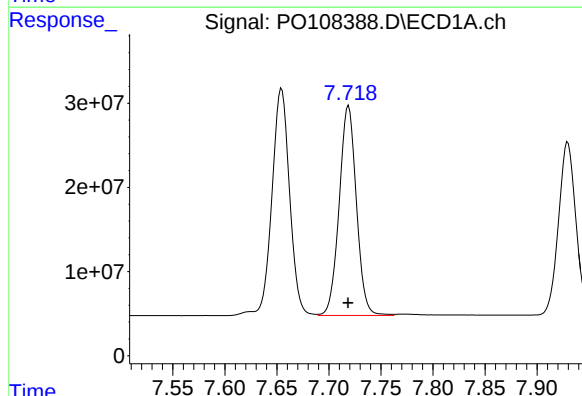
R.T.: 7.655 min  
Delta R.T.: 0.000 min  
Response: 319206816  
Conc: 258.65 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



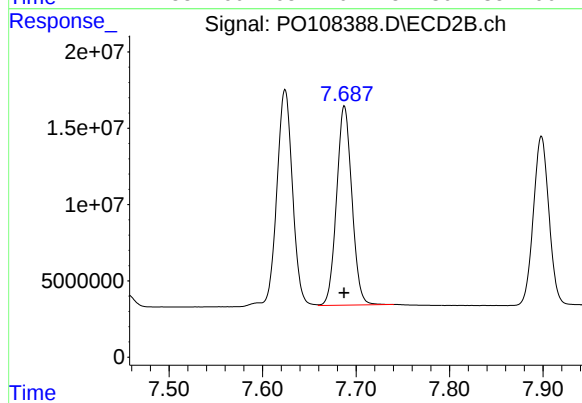
#41 AR-1268-1

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 165505244  
Conc: 256.24 ng/ml



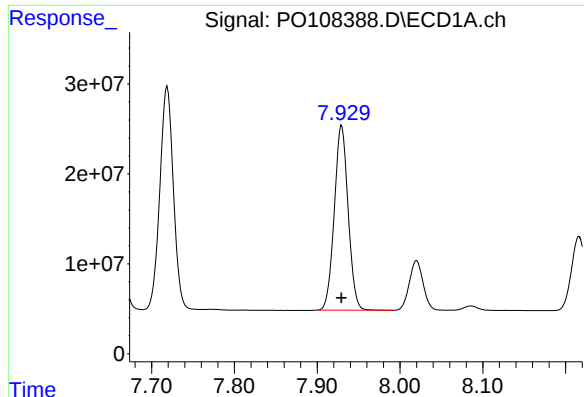
#42 AR-1268-2

R.T.: 7.719 min  
Delta R.T.: 0.000 min  
Response: 286858907  
Conc: 257.91 ng/ml



#42 AR-1268-2

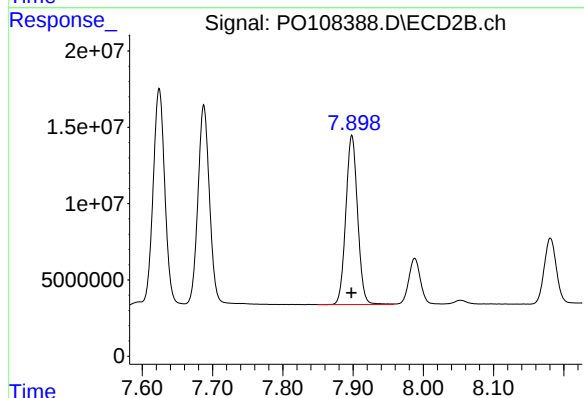
R.T.: 7.688 min  
Delta R.T.: 0.000 min  
Response: 148515740  
Conc: 255.36 ng/ml



#43 AR-1268-3

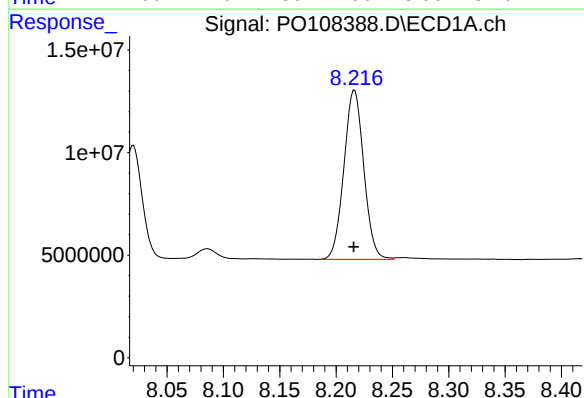
R.T.: 7.930 min  
Delta R.T.: 0.000 min  
Response: 238341340  
Conc: 259.25 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250



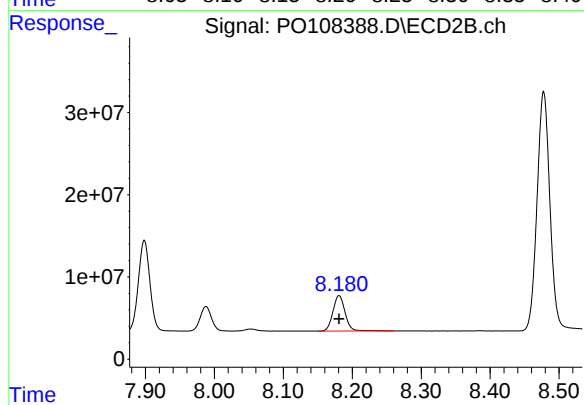
#43 AR-1268-3

R.T.: 7.898 min  
Delta R.T.: 0.000 min  
Response: 128831538  
Conc: 256.42 ng/ml



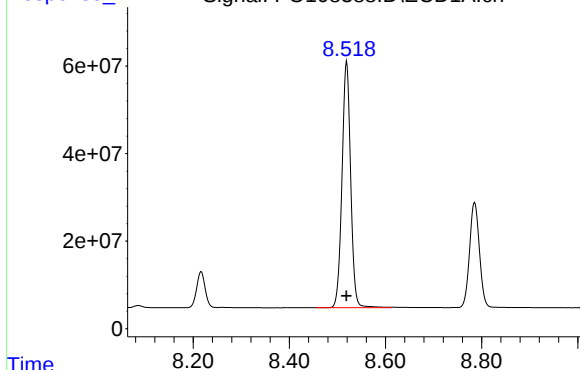
#44 AR-1268-4

R.T.: 8.216 min  
Delta R.T.: 0.000 min  
Response: 101166309  
Conc: 263.39 ng/ml



#44 AR-1268-4

R.T.: 8.181 min  
Delta R.T.: 0.000 min  
Response: 53037702  
Conc: 261.85 ng/ml



R.T.: 8.519 min  
Delta R.T.: 0.000 min  
Response: 703834167  
Conc: 253.76 ng/ml

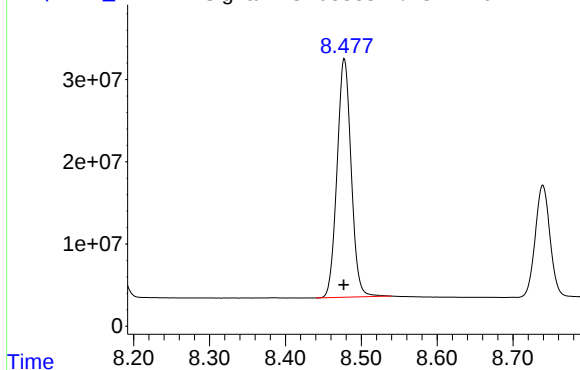
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250

Time

Response\_

Signal: PO108388.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.478 min  
Delta R.T.: 0.001 min  
Response: 375143939  
Conc: 251.42 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108389.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:34  
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: Dec 07 05:39:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 43397920 | 23820328 | 4.633  | 4.529  |
| 2) SA Decachlor...          | 8.787 | 8.739 | 67751275 | 35973878 | 5.218  | 5.036  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 41) L9 AR-1268-1            | 7.655 | 7.623 | 63224905 | 31796488 | 51.231 | 49.227 |
| 42) L9 AR-1268-2            | 7.719 | 7.687 | 55796192 | 27976696 | 50.166 | 48.104 |
| 43) L9 AR-1268-3            | 7.930 | 7.898 | 44249311 | 24435743 | 48.132 | 48.636 |
| 44) L9 AR-1268-4            | 8.217 | 8.180 | 19477210 | 10053726 | 50.710 | 49.637 |
| 45) L9 AR-1268-5            | 8.519 | 8.477 | 131.2E6  | 69412663 | 47.313 | 46.520 |
| -----                       |       |       |          |          |        |        |

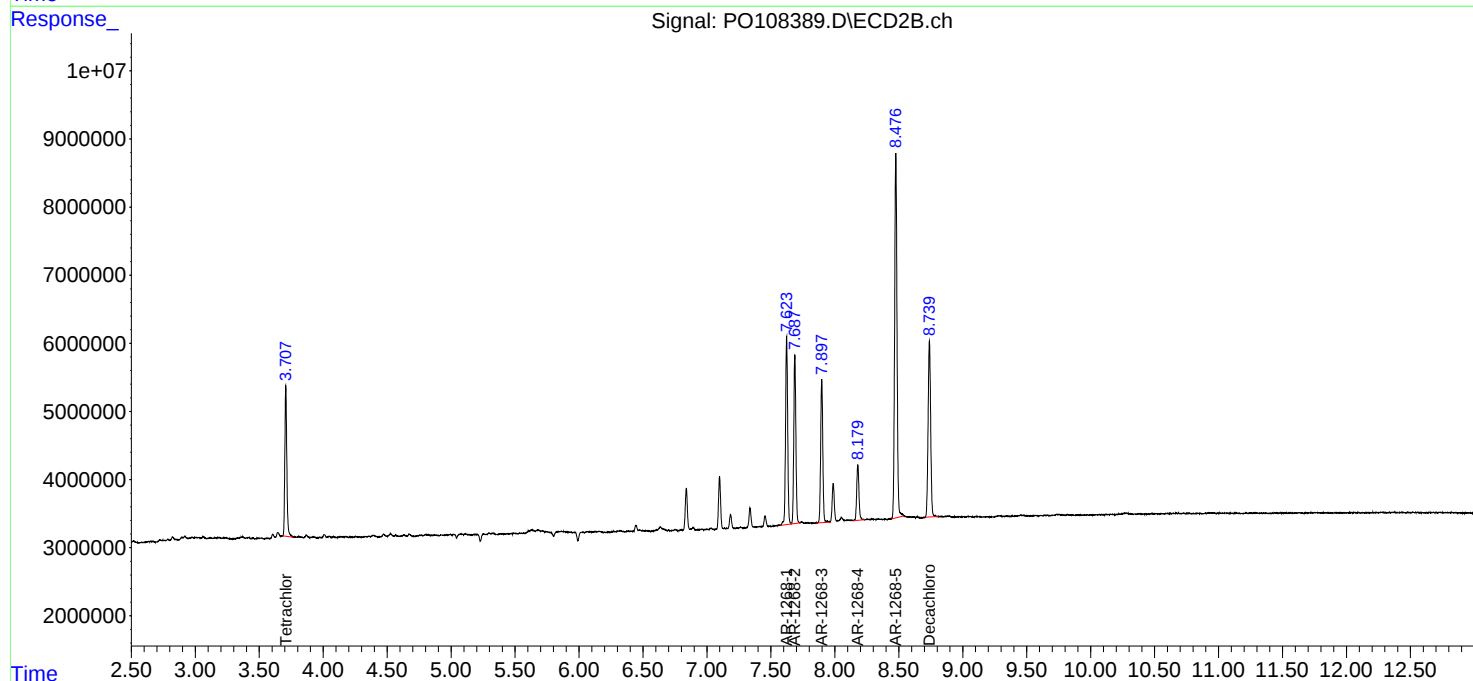
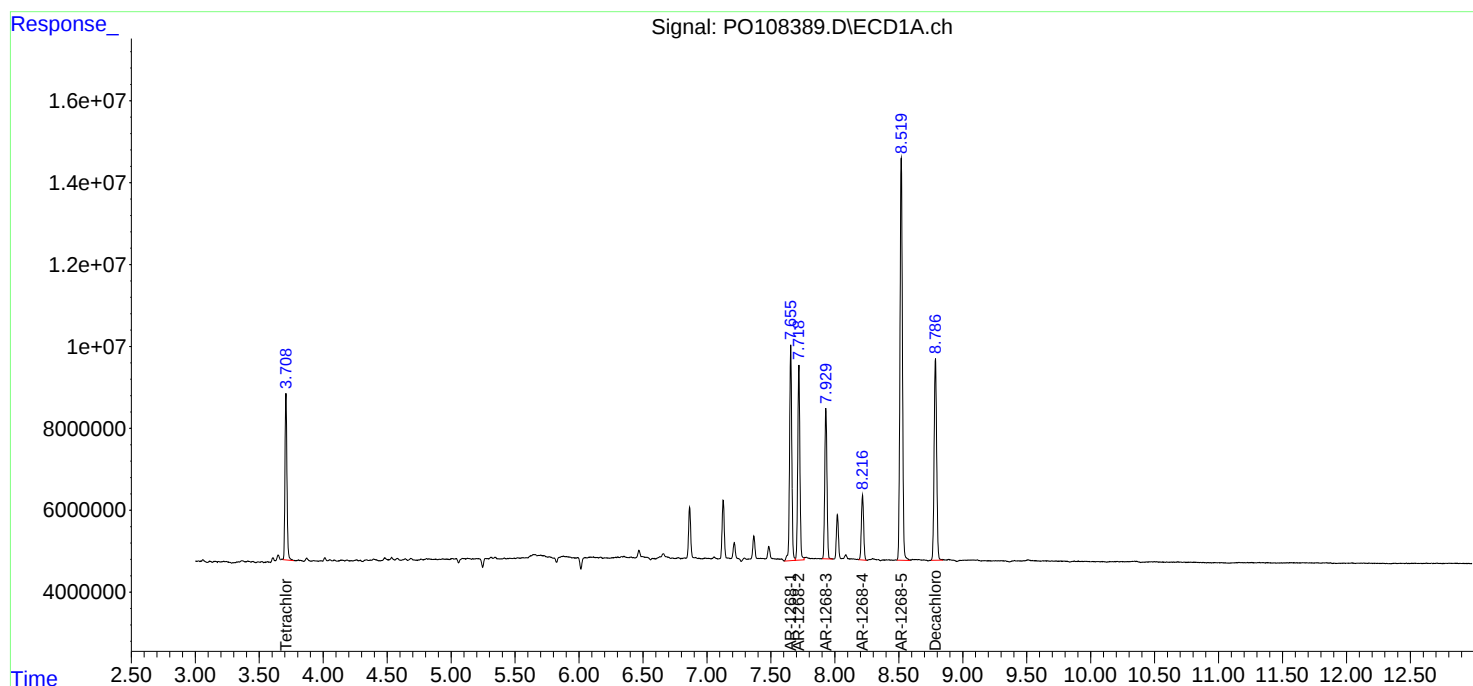
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

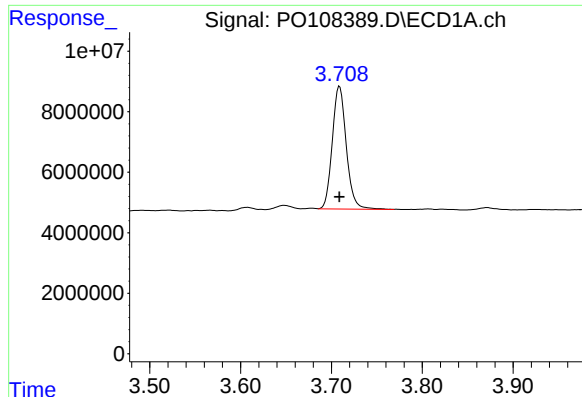
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108389.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:34  
Operator : YP/AJ  
Sample : AR1268ICC050  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:39:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:37:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

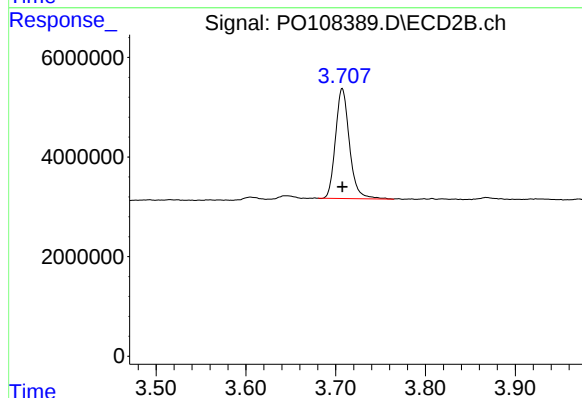




## #1 Tetrachloro-m-xylene

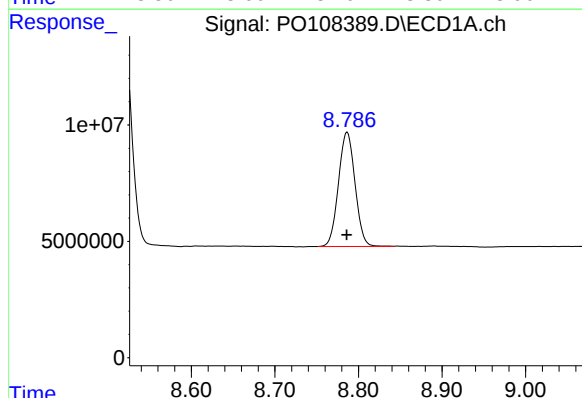
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 43397920  
Conc: 4.63 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050



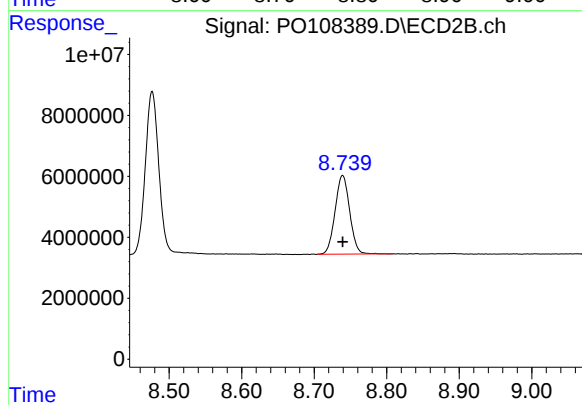
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 23820328  
Conc: 4.53 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: 0.000 min  
Response: 67751275  
Conc: 5.22 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 35973878  
Conc: 5.04 ng/ml

Response\_ Signal: PO108389.D\ECD1A.ch

#41 AR-1268-1

R.T.: 7.655 min  
Delta R.T.: 0.000 min  
Response: 63224905  
Conc: 51.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Time Response\_ Signal: PO108389.D\ECD2B.ch

#41 AR-1268-1

R.T.: 7.623 min  
Delta R.T.: 0.000 min  
Response: 31796488  
Conc: 49.23 ng/ml

Time Response\_ Signal: PO108389.D\ECD1A.ch

#42 AR-1268-2

R.T.: 7.719 min  
Delta R.T.: 0.000 min  
Response: 55796192  
Conc: 50.17 ng/ml

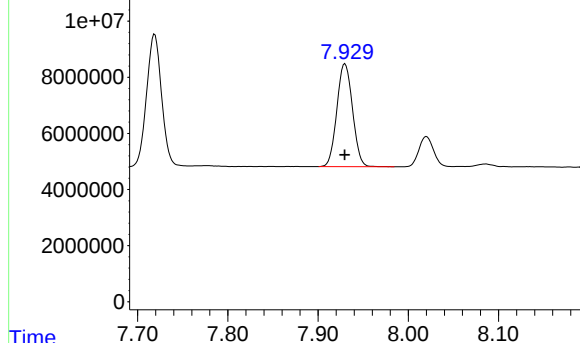
Time Response\_ Signal: PO108389.D\ECD2B.ch

#42 AR-1268-2

R.T.: 7.687 min  
Delta R.T.: 0.000 min  
Response: 27976696  
Conc: 48.10 ng/ml

Response\_ Signal: PO108389.D\ECD1A.ch

#43 AR-1268-3

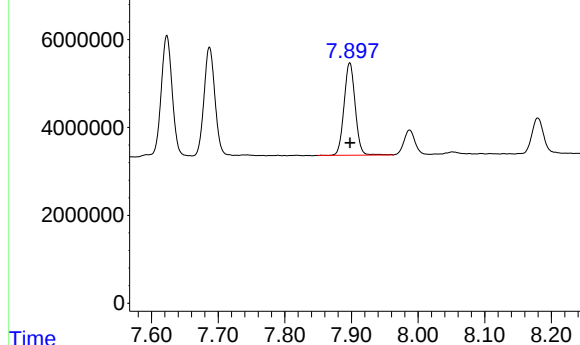


R.T.: 7.930 min  
Delta R.T.: 0.000 min  
Response: 44249311  
Conc: 48.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Response\_ Signal: PO108389.D\ECD2B.ch

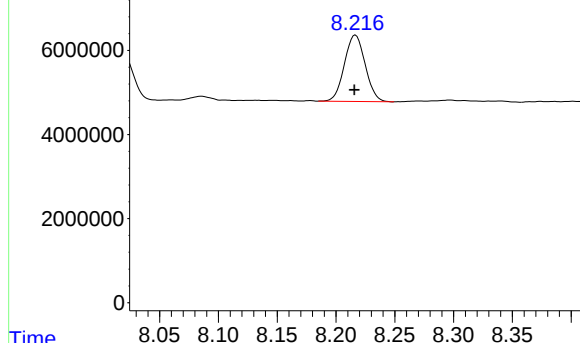
#43 AR-1268-3



R.T.: 7.898 min  
Delta R.T.: 0.000 min  
Response: 24435743  
Conc: 48.64 ng/ml

Response\_ Signal: PO108389.D\ECD1A.ch

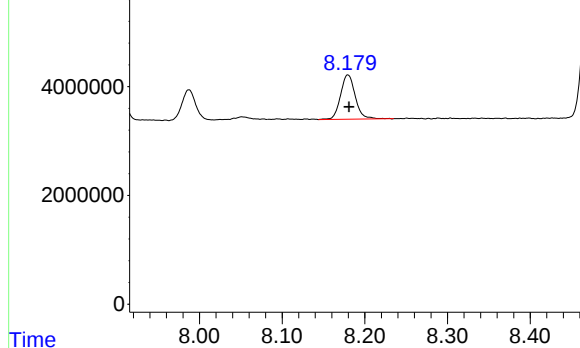
#44 AR-1268-4



R.T.: 8.217 min  
Delta R.T.: 0.001 min  
Response: 19477210  
Conc: 50.71 ng/ml

Response\_ Signal: PO108389.D\ECD2B.ch

#44 AR-1268-4



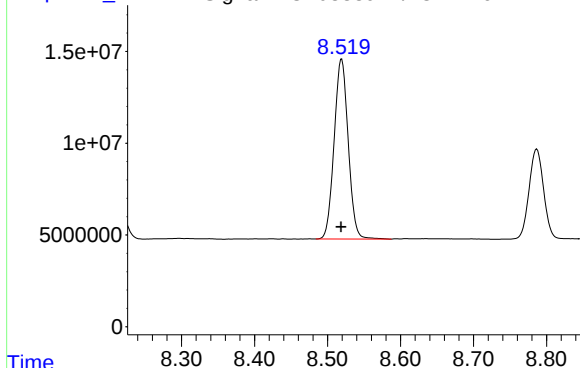
R.T.: 8.180 min  
Delta R.T.: -0.001 min  
Response: 10053726  
Conc: 49.64 ng/ml

Response\_

Signal: PO108389.D\ECD1A.ch

#45 AR-1268-5

ICAL Form



R.T.: 8.519 min  
Delta R.T.: 0.000 min  
Response: 131231104  
Conc: 47.31 ng/ml

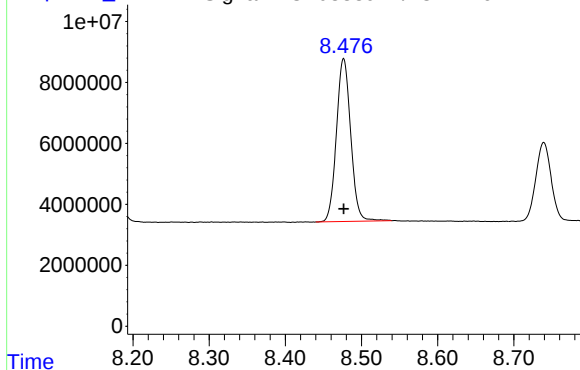
Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Time

Response\_

Signal: PO108389.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min  
Delta R.T.: 0.000 min  
Response: 69412663  
Conc: 46.52 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108390.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:53  
Operator : YP/AJ  
Sample : PO120624ICV500  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 02:30:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 02:28:22 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.708 | 3.707 | 433.5E6 | 256.1E6  | 49.827  | 50.509  |
| 2) SA Decachlor...          | 8.786 | 8.738 | 367.7E6 | 200.0E6  | 50.336  | 51.625  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.807 | 4.796 | 152.4E6 | 80878936 | 494.032 | 503.999 |
| 4) L1 AR-1016-2             | 4.827 | 4.816 | 207.8E6 | 112.0E6  | 497.935 | 504.290 |
| 5) L1 AR-1016-3             | 4.883 | 4.992 | 146.3E6 | 63403102 | 499.921 | 503.865 |
| 6) L1 AR-1016-4             | 5.004 | 5.033 | 114.7E6 | 53092959 | 496.317 | 506.584 |
| 7) L1 AR-1016-5             | 5.262 | 5.248 | 123.4E6 | 67028787 | 490.414 | 495.735 |
| 31) L7 AR-1260-1            | 6.306 | 6.283 | 226.4E6 | 118.0E6  | 495.314 | 504.236 |
| 32) L7 AR-1260-2            | 6.495 | 6.470 | 272.5E6 | 141.0E6  | 490.407 | 502.514 |
| 33) L7 AR-1260-3            | 6.865 | 6.625 | 230.1E6 | 131.5E6  | 496.219 | 498.757 |
| 34) L7 AR-1260-4            | 7.126 | 7.098 | 210.3E6 | 109.4E6  | 494.415 | 514.366 |
| 35) L7 AR-1260-5            | 7.366 | 7.337 | 486.3E6 | 250.1E6  | 500.346 | 516.847 |
| -----                       |       |       |         |          |         |         |

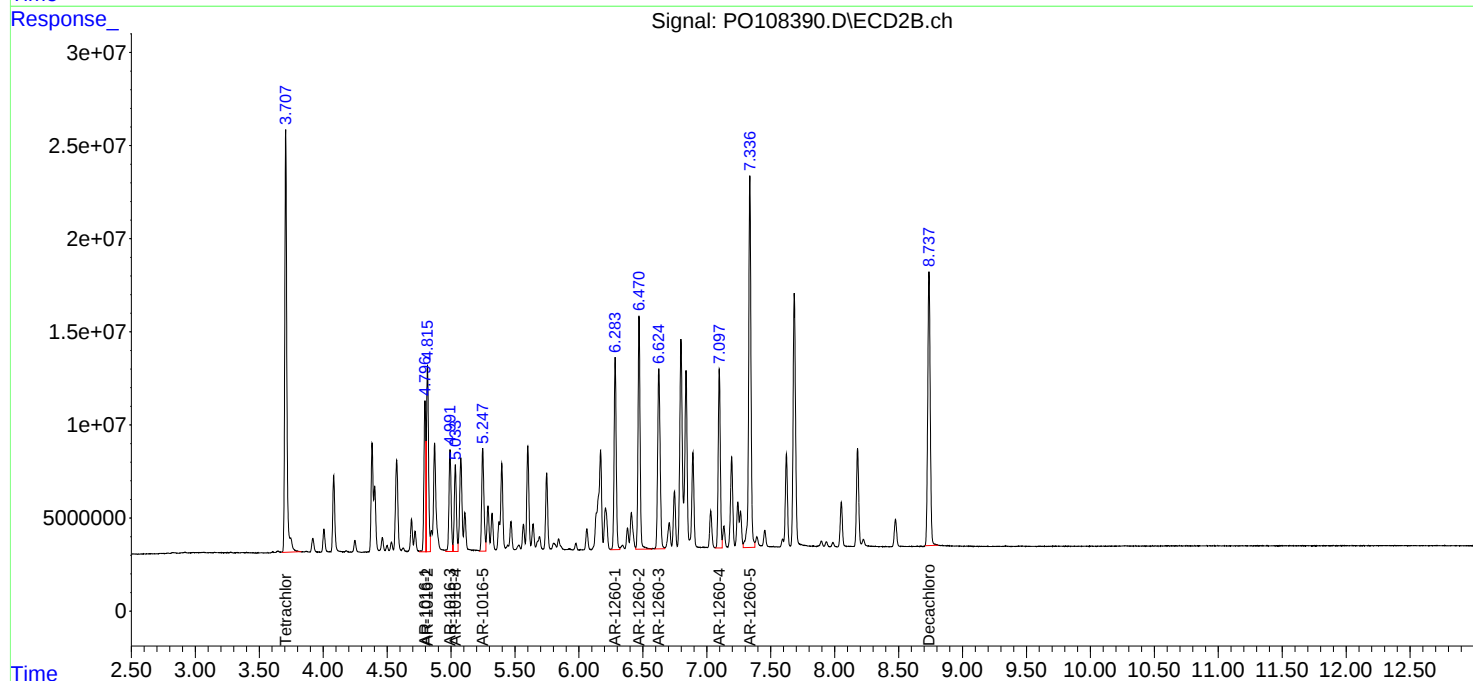
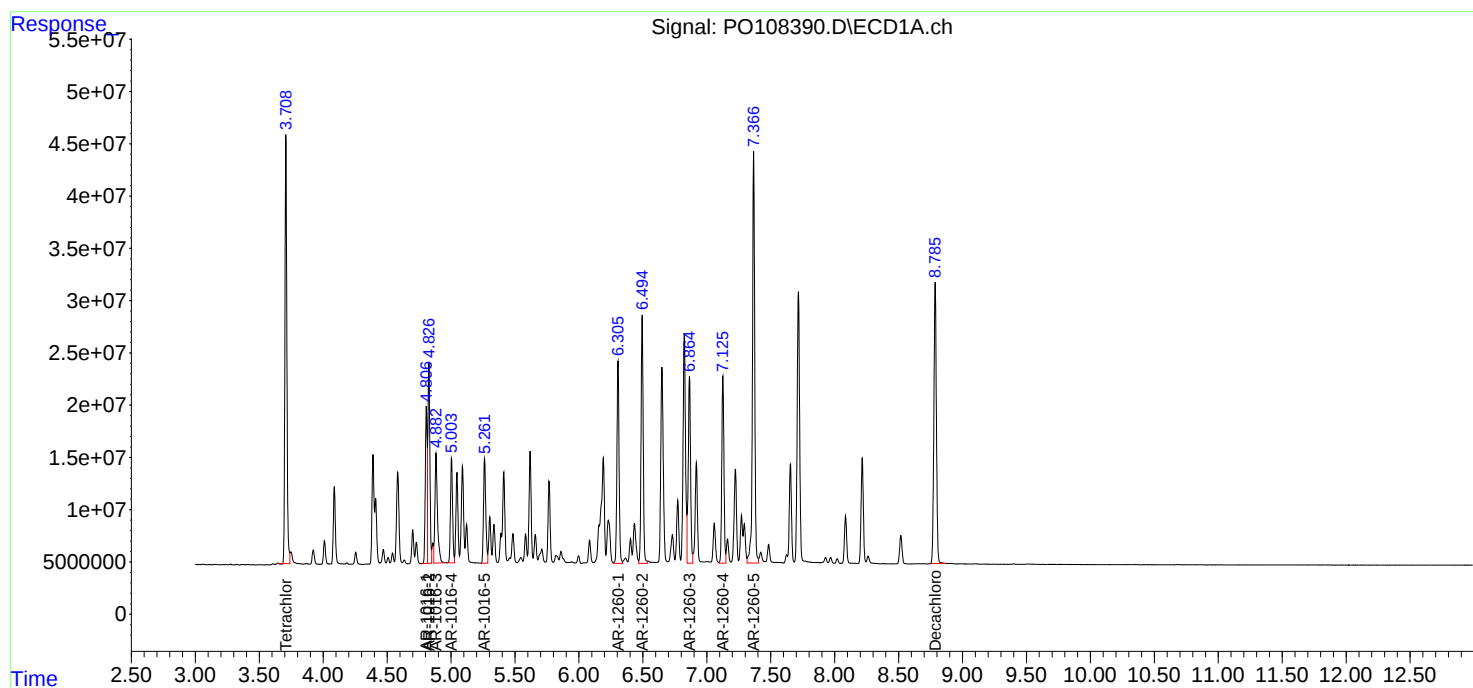
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108390.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 22:53  
Operator : YP/AJ  
Sample : PO120624ICV500  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

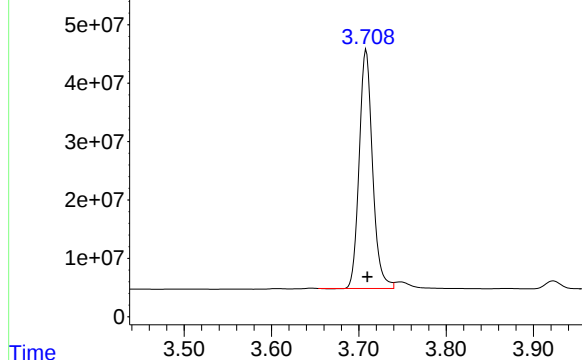
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 02:30:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 02:28:22 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108390.D\ECD1A.ch

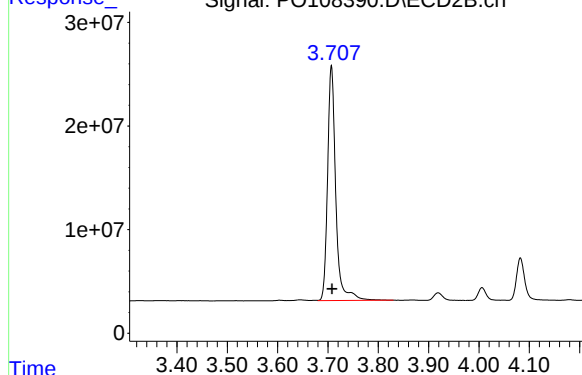


#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: -0.002 min  
Response: 433499861  
Conc: 49.83 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

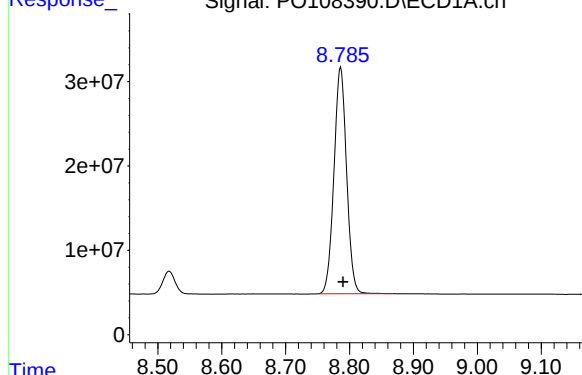
Time Response\_ Signal: PO108390.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: -0.001 min  
Response: 256050952  
Conc: 50.51 ng/ml

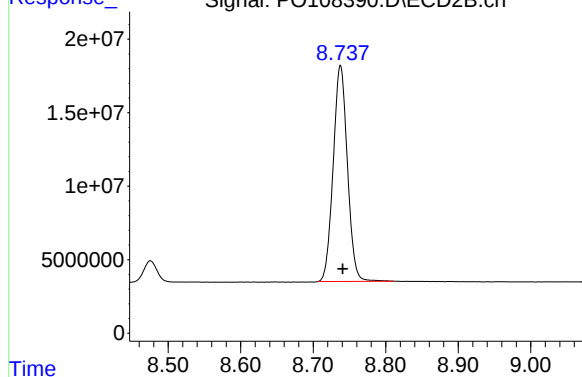
Time Response\_ Signal: PO108390.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: -0.004 min  
Response: 367662605  
Conc: 50.34 ng/ml

Time Response\_ Signal: PO108390.D\ECD2B.ch



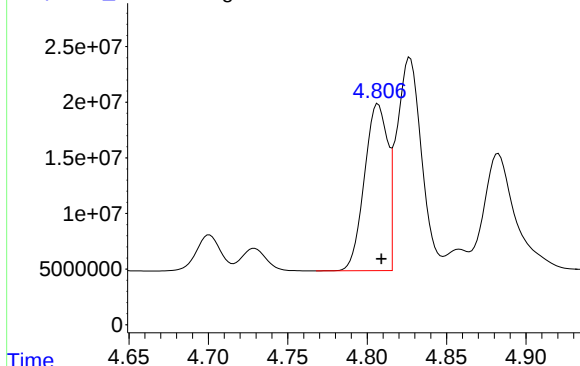
#2 Decachlorobiphenyl

R.T.: 8.738 min  
Delta R.T.: -0.003 min  
Response: 200042595  
Conc: 51.62 ng/ml

Response\_

Signal: PO108390.D\ECD1A.ch

#3 AR-1016-1



R.T.: 4.807 min  
Delta R.T.: -0.002 min  
Response: 152380782  
Conc: 494.03 ng/ml

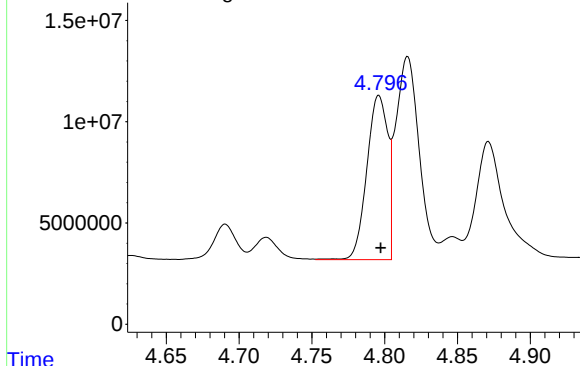
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

Time

Response\_

Signal: PO108390.D\ECD2B.ch

#3 AR-1016-1



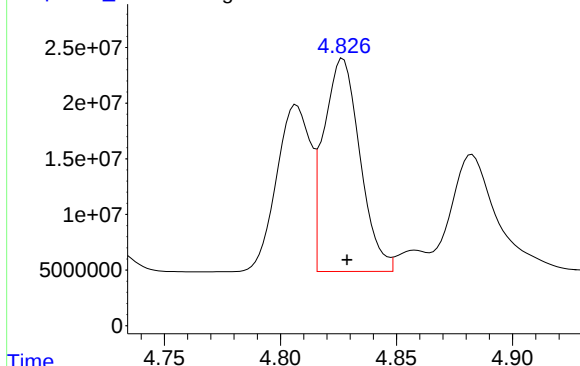
R.T.: 4.796 min  
Delta R.T.: -0.001 min  
Response: 80878936  
Conc: 504.00 ng/ml

Time

Response\_

Signal: PO108390.D\ECD1A.ch

#4 AR-1016-2



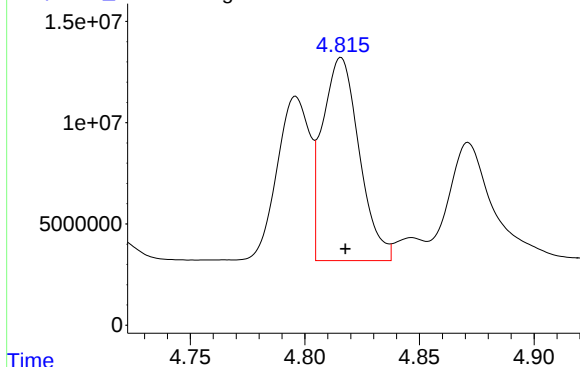
R.T.: 4.827 min  
Delta R.T.: -0.002 min  
Response: 207847702  
Conc: 497.94 ng/ml

Time

Response\_

Signal: PO108390.D\ECD2B.ch

#4 AR-1016-2

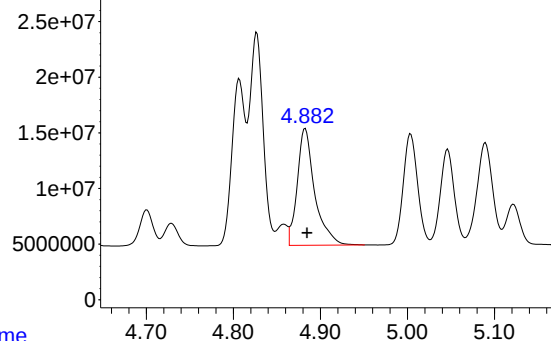


R.T.: 4.816 min  
Delta R.T.: -0.002 min  
Response: 111999144  
Conc: 504.29 ng/ml

Time

Response\_ Signal: PO108390.D\ECD1A.ch

#5 AR-1016-3

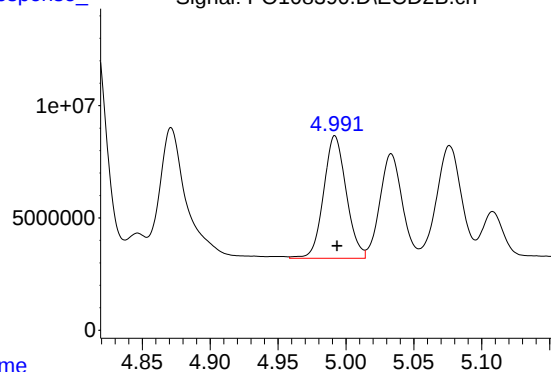


R.T.: 4.883 min  
Delta R.T.: -0.002 min  
Response: 146292482  
Conc: 499.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

Time Response\_ Signal: PO108390.D\ECD2B.ch

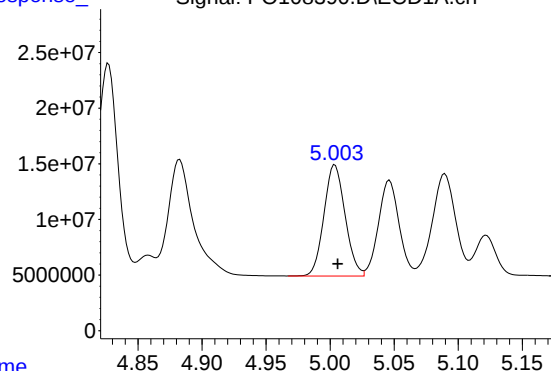
#5 AR-1016-3



R.T.: 4.992 min  
Delta R.T.: -0.001 min  
Response: 63403102  
Conc: 503.86 ng/ml

Time Response\_ Signal: PO108390.D\ECD1A.ch

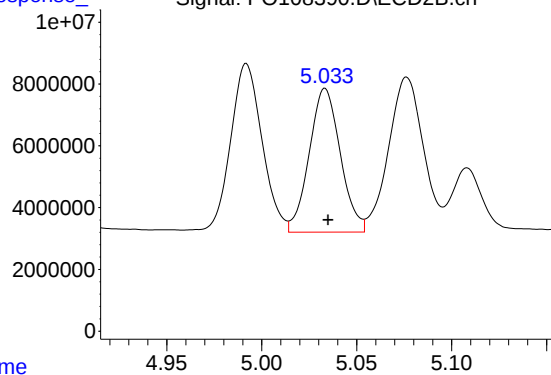
#6 AR-1016-4



R.T.: 5.004 min  
Delta R.T.: -0.002 min  
Response: 114737132  
Conc: 496.32 ng/ml

Time Response\_ Signal: PO108390.D\ECD2B.ch

#6 AR-1016-4

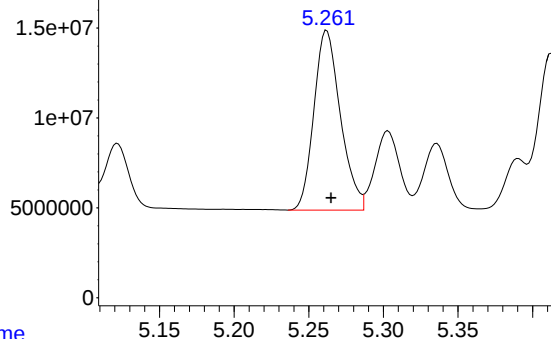


R.T.: 5.033 min  
Delta R.T.: -0.001 min  
Response: 53092959  
Conc: 506.58 ng/ml

Response\_

Signal: PO108390.D\ECD1A.ch

#7 AR-1016-5



R.T.: 5.262 min  
Delta R.T.: -0.003 min  
Response: 123422441  
Conc: 490.41 ng/ml

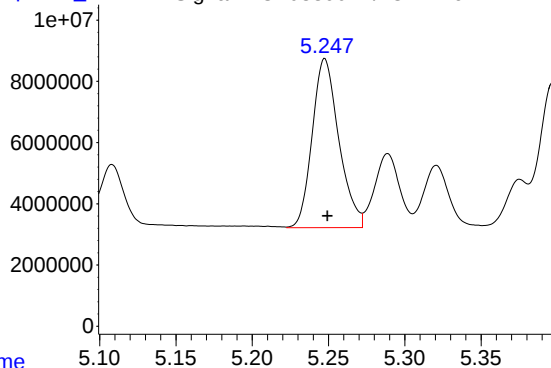
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624

Time

Response\_

Signal: PO108390.D\ECD2B.ch

#7 AR-1016-5



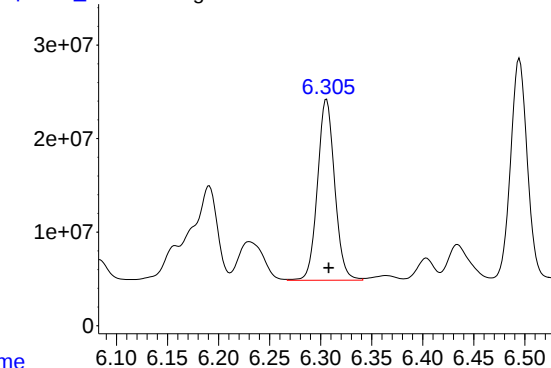
R.T.: 5.248 min  
Delta R.T.: -0.002 min  
Response: 67028787  
Conc: 495.73 ng/ml

Time

Response\_

Signal: PO108390.D\ECD1A.ch

#31 AR-1260-1



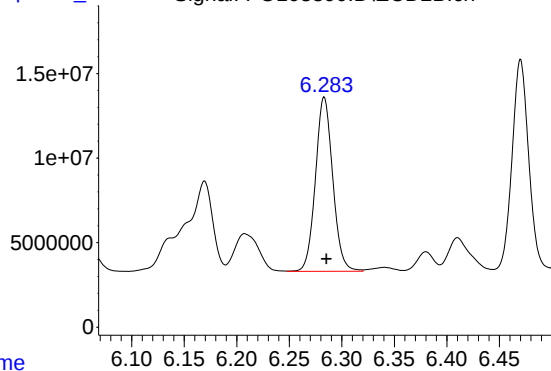
R.T.: 6.306 min  
Delta R.T.: -0.002 min  
Response: 226430405  
Conc: 495.31 ng/ml

Time

Response\_

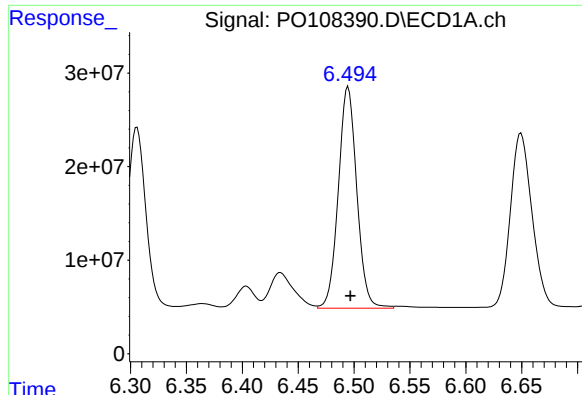
Signal: PO108390.D\ECD2B.ch

#31 AR-1260-1



R.T.: 6.283 min  
Delta R.T.: -0.002 min  
Response: 118008995  
Conc: 504.24 ng/ml

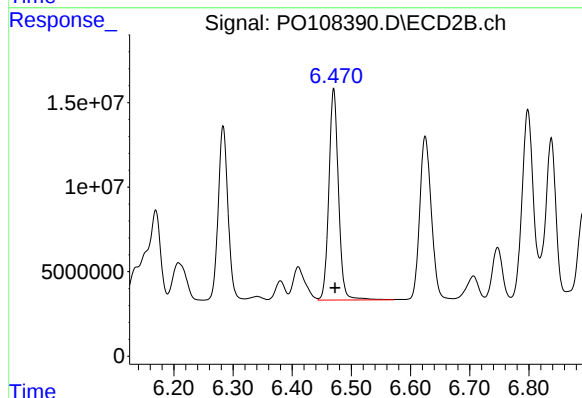
Time



#32 AR-1260-2

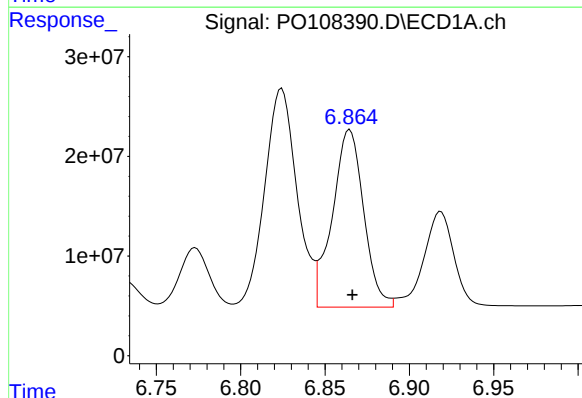
R.T.: 6.495 min  
Delta R.T.: -0.002 min  
Response: 272528683  
Conc: 490.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624



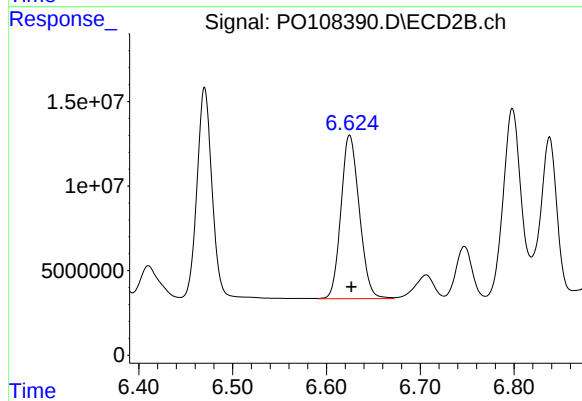
#32 AR-1260-2

R.T.: 6.470 min  
Delta R.T.: -0.002 min  
Response: 140989156  
Conc: 502.51 ng/ml



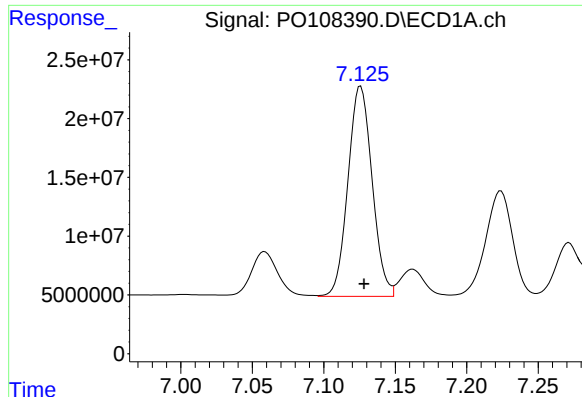
#33 AR-1260-3

R.T.: 6.865 min  
Delta R.T.: -0.002 min  
Response: 230085866  
Conc: 496.22 ng/ml



#33 AR-1260-3

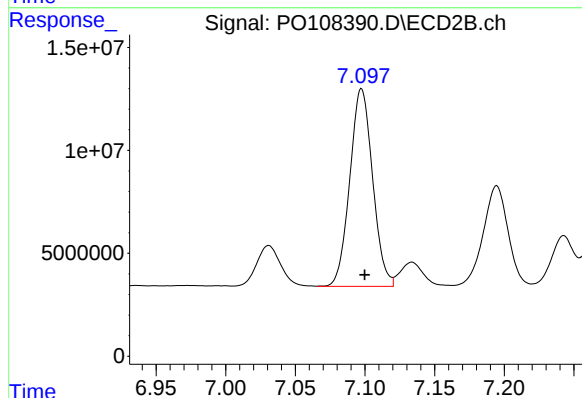
R.T.: 6.625 min  
Delta R.T.: -0.002 min  
Response: 131456637  
Conc: 498.76 ng/ml



#34 AR-1260-4

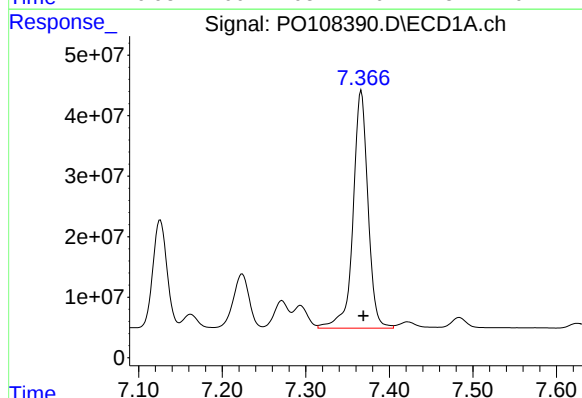
R.T.: 7.126 min  
Delta R.T.: -0.002 min  
Response: 210294598  
Conc: 494.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624



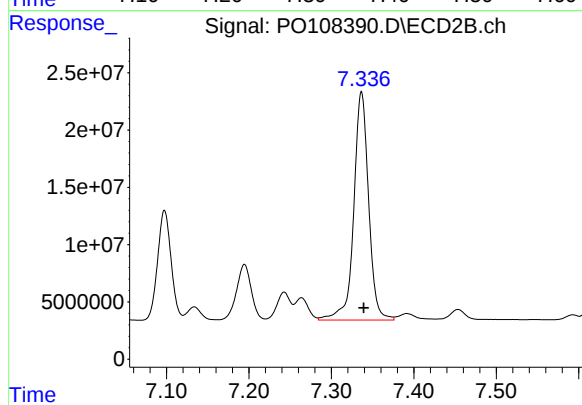
#34 AR-1260-4

R.T.: 7.098 min  
Delta R.T.: -0.002 min  
Response: 109431557  
Conc: 514.37 ng/ml



#35 AR-1260-5

R.T.: 7.366 min  
Delta R.T.: -0.003 min  
Response: 486277958  
Conc: 500.35 ng/ml



#35 AR-1260-5

R.T.: 7.337 min  
Delta R.T.: -0.003 min  
Response: 250119469  
Conc: 516.85 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108391.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:11  
Operator : YP/AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:47:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:45:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 473.2E6 | 274.6E6  | 54.132  | 54.770  |
| 2) SA Decachlor...          | 8.787 | 8.739 | 400.3E6 | 218.3E6  | 54.256  | 55.188  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.808 | 4.797 | 136.2E6 | 72198817 | 529.129 | 531.781 |
| 17) L4 AR-1242-2            | 4.828 | 4.817 | 185.7E6 | 100.0E6  | 538.138 | 539.407 |
| 18) L4 AR-1242-3            | 4.884 | 4.993 | 130.0E6 | 56871808 | 538.888 | 539.671 |
| 19) L4 AR-1242-4            | 5.005 | 5.077 | 102.2E6 | 57541113 | 535.754 | 536.121 |
| 20) L4 AR-1242-5            | 5.660 | 5.600 | 109.7E6 | 67632185 | 528.454 | 535.064 |
| -----                       |       |       |         |          |         |         |

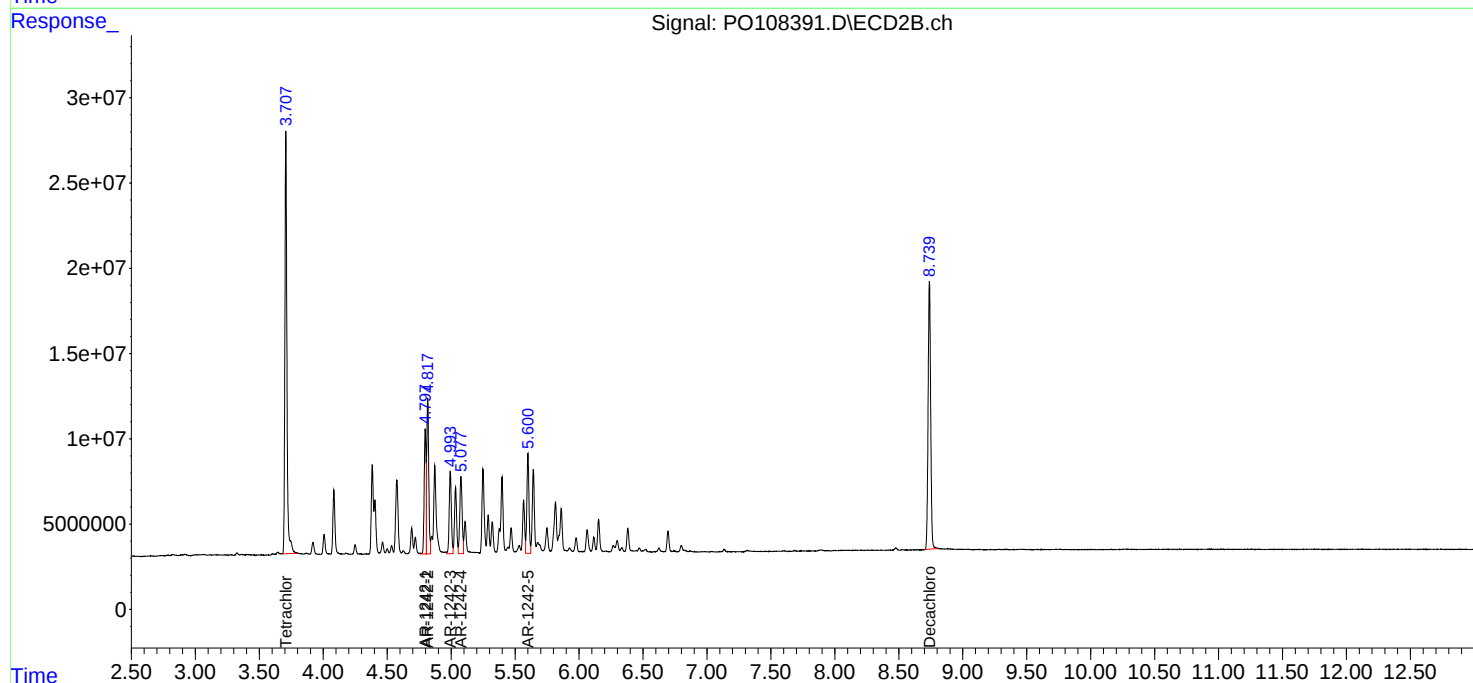
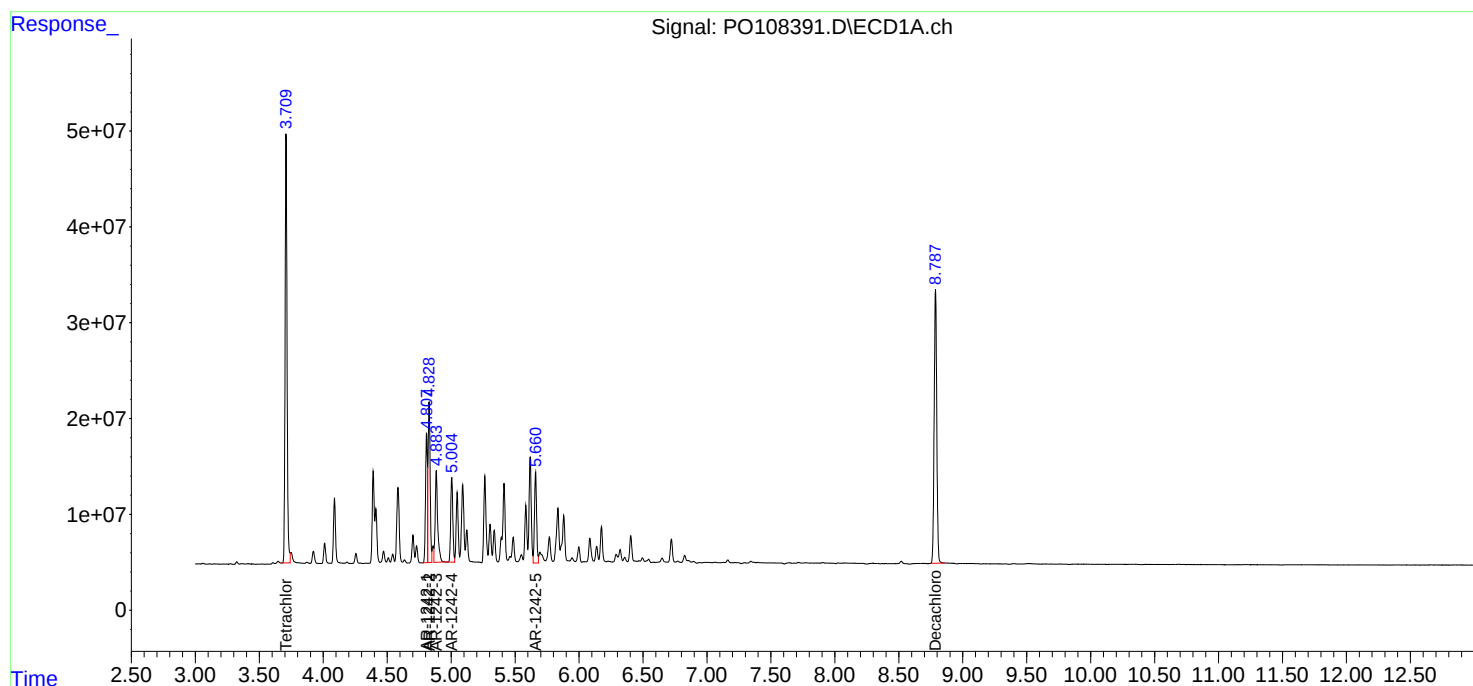
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

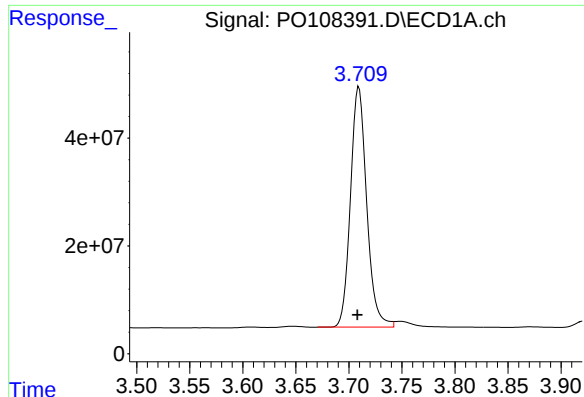
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108391.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:11  
Operator : YP/AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:47:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:45:26 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

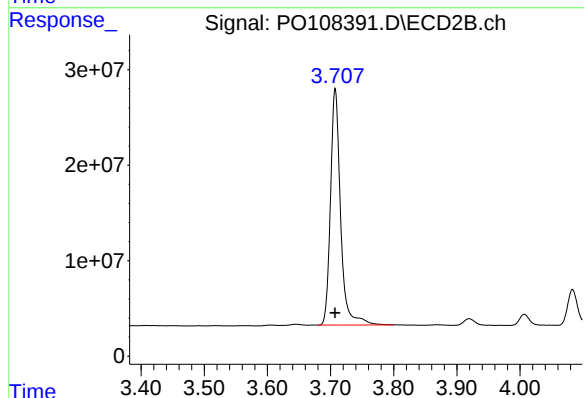




## #1 Tetrachloro-m-xylene

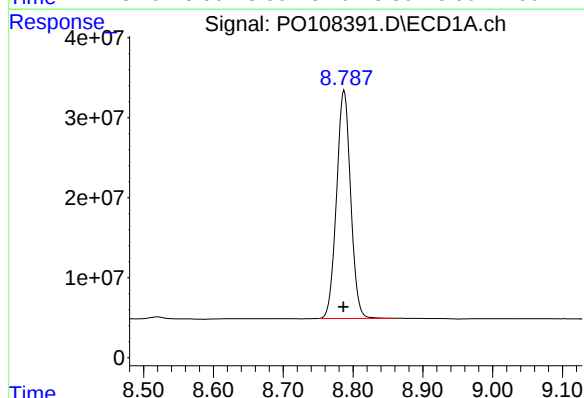
R.T.: 3.709 min  
Delta R.T.: 0.001 min  
Response: 473179527  
Conc: 54.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242



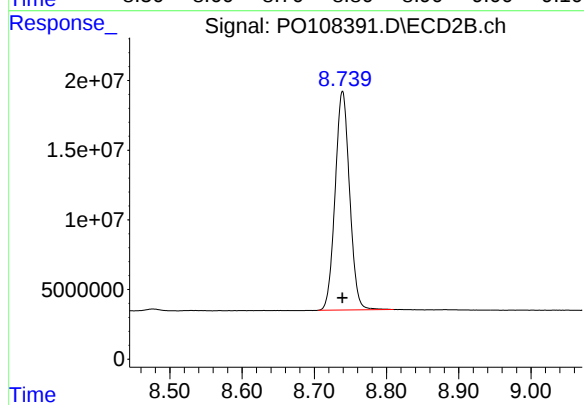
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 274572157  
Conc: 54.77 ng/ml



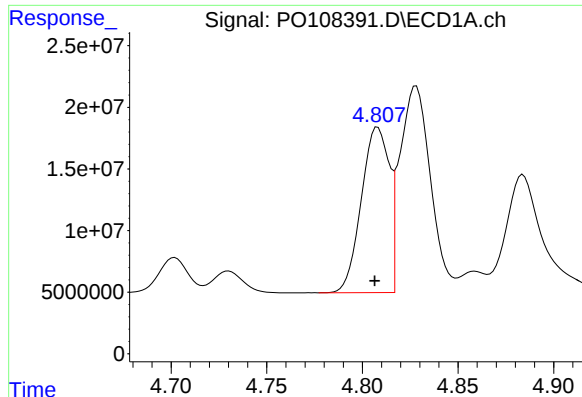
## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: 0.000 min  
Response: 400294237  
Conc: 54.26 ng/ml



## #2 Decachlorobiphenyl

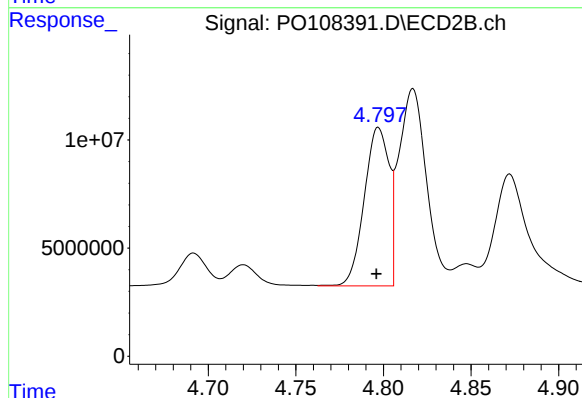
R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 218282466  
Conc: 55.19 ng/ml



#16 AR-1242-1

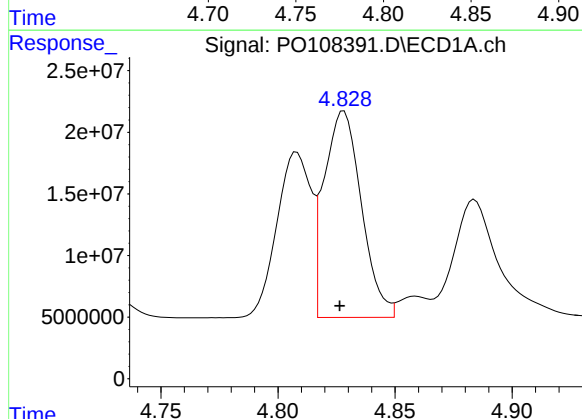
R.T.: 4.808 min  
Delta R.T.: 0.002 min  
Response: 136158117  
Conc: 529.13 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242



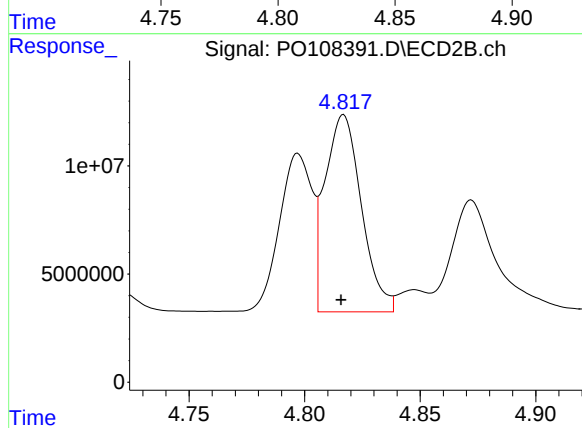
#16 AR-1242-1

R.T.: 4.797 min  
Delta R.T.: 0.001 min  
Response: 72198817  
Conc: 531.78 ng/ml



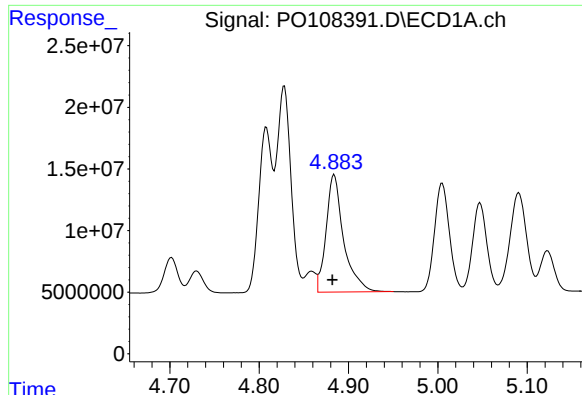
#17 AR-1242-2

R.T.: 4.828 min  
Delta R.T.: 0.002 min  
Response: 185744732  
Conc: 538.14 ng/ml



#17 AR-1242-2

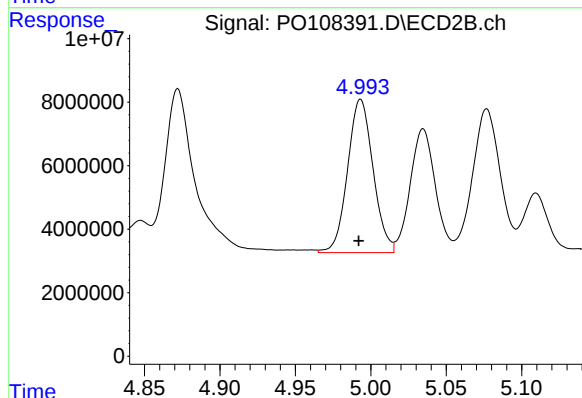
R.T.: 4.817 min  
Delta R.T.: 0.001 min  
Response: 100037427  
Conc: 539.41 ng/ml



#18 AR-1242-3

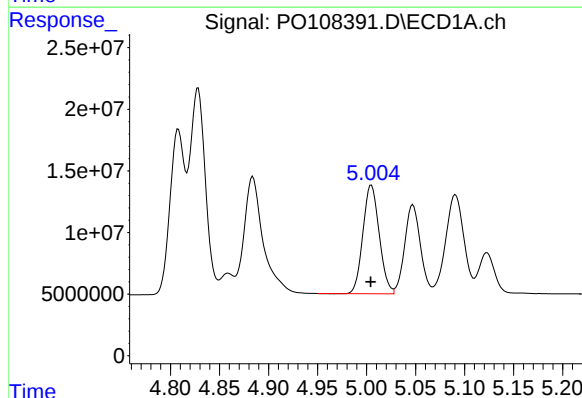
R.T.: 4.884 min  
Delta R.T.: 0.002 min  
Response: 129986172  
Conc: 538.89 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242



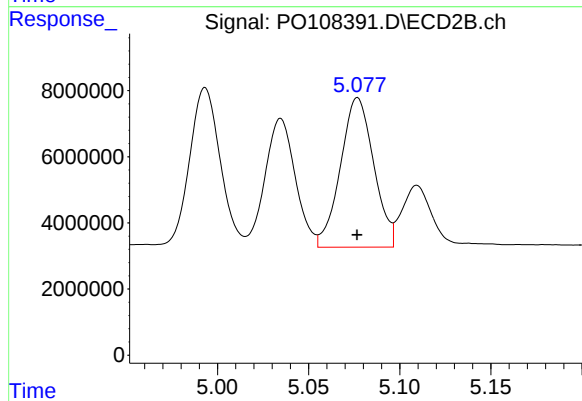
#18 AR-1242-3

R.T.: 4.993 min  
Delta R.T.: 0.001 min  
Response: 56871808  
Conc: 539.67 ng/ml



#19 AR-1242-4

R.T.: 5.005 min  
Delta R.T.: 0.000 min  
Response: 102175834  
Conc: 535.75 ng/ml



#19 AR-1242-4

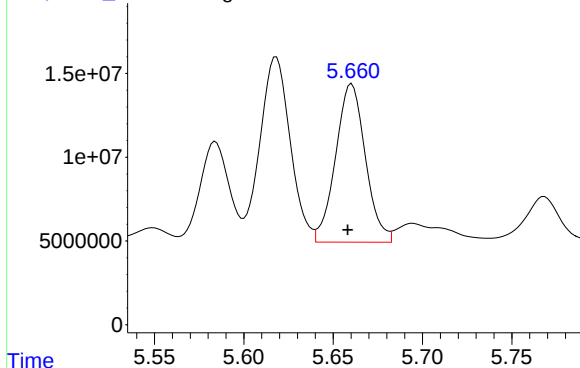
R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 57541113  
Conc: 536.12 ng/ml

Response\_

Signal: PO108391.D\ECD1A.ch

#20 AR-1242-5

ICAL Form



R.T.: 5.660 min  
Delta R.T.: 0.002 min  
Response: 109744365  
Conc: 528.45 ng/ml

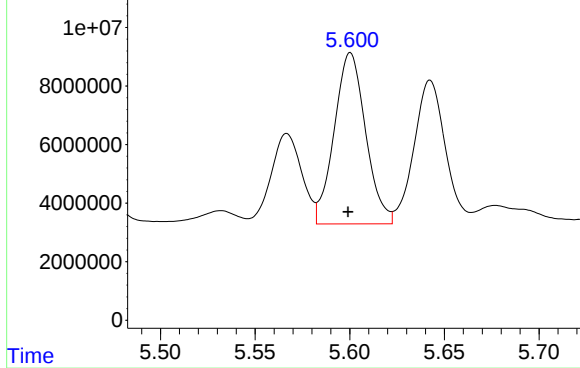
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1242

Time

Response\_

Signal: PO108391.D\ECD2B.ch

#20 AR-1242-5



R.T.: 5.600 min  
Delta R.T.: 0.001 min  
Response: 67632185  
Conc: 535.06 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108392.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:29  
Operator : YP/AJ  
Sample : AR1248ICV500  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:15:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:15:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 494.8E6 | 277.9E6  | 54.702  | 55.064  |
| 2) SA Decachlor...          | 8.787 | 8.739 | 408.5E6 | 223.3E6  | 52.675  | 53.999  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.808 | 4.797 | 106.4E6 | 56795368 | 531.289 | 540.296 |
| 22) L5 AR-1248-2            | 5.048 | 5.034 | 146.8E6 | 80058605 | 529.599 | 536.128 |
| 23) L5 AR-1248-3            | 5.264 | 5.077 | 180.4E6 | 84835876 | 528.911 | 535.541 |
| 24) L5 AR-1248-4            | 5.619 | 5.248 | 255.1E6 | 98531455 | 535.318 | 539.749 |
| 25) L5 AR-1248-5            | 5.661 | 5.643 | 180.4E6 | 94191450 | 532.664 | 536.387 |
| -----                       |       |       |         |          |         |         |

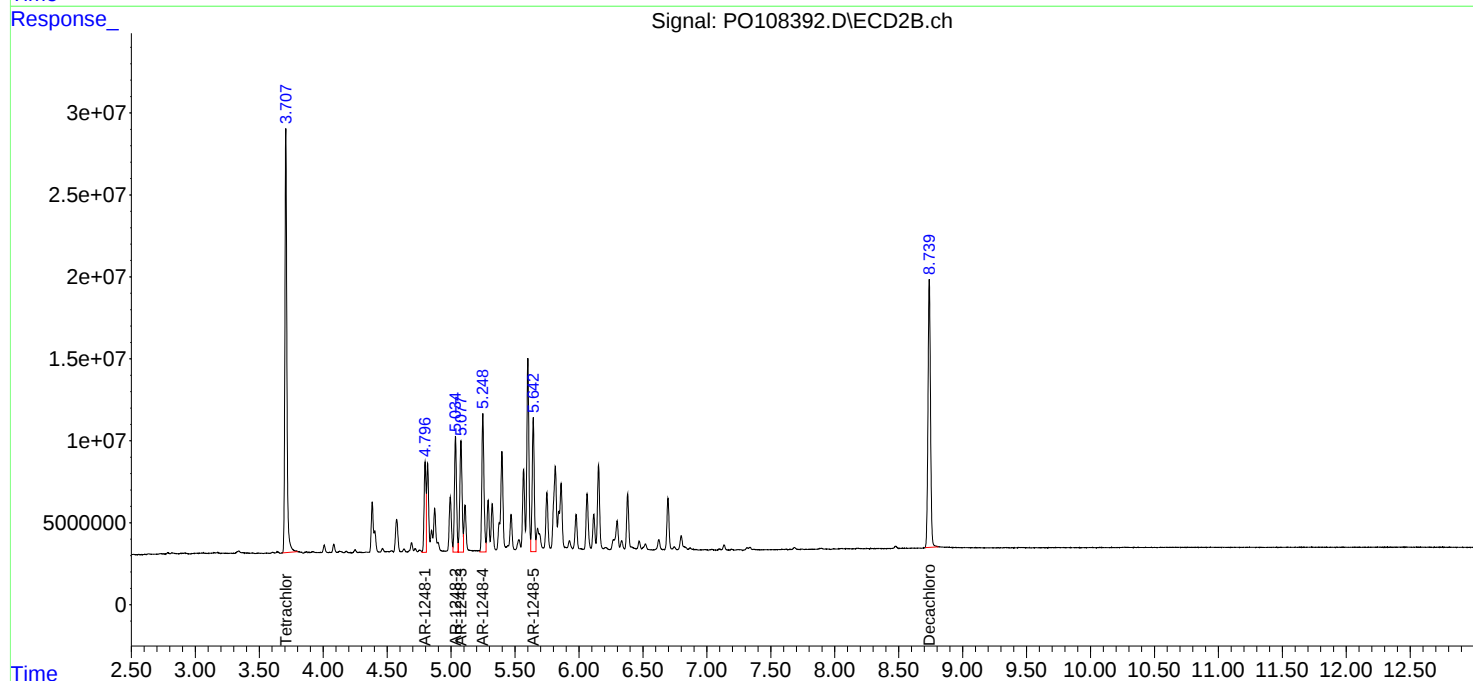
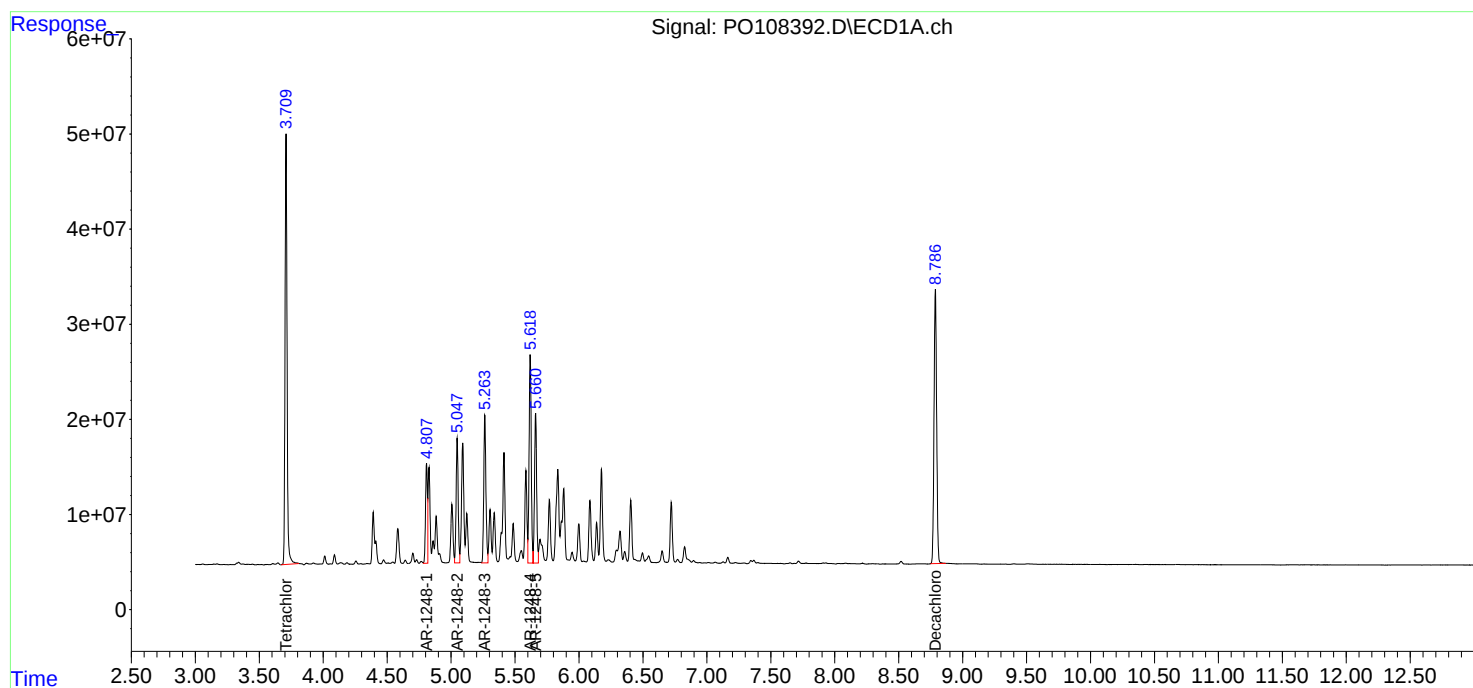
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

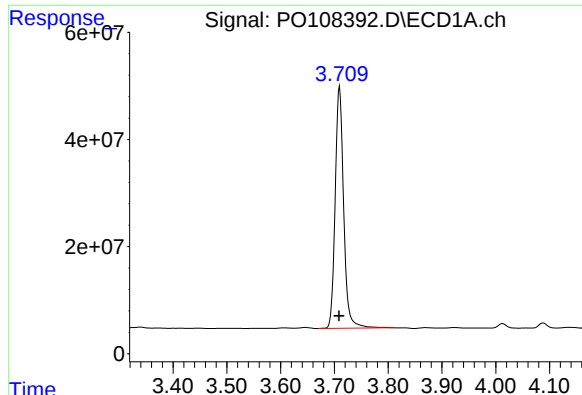
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108392.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:29  
Operator : YP/AJ  
Sample : AR1248ICV500  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:15:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:15:20 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

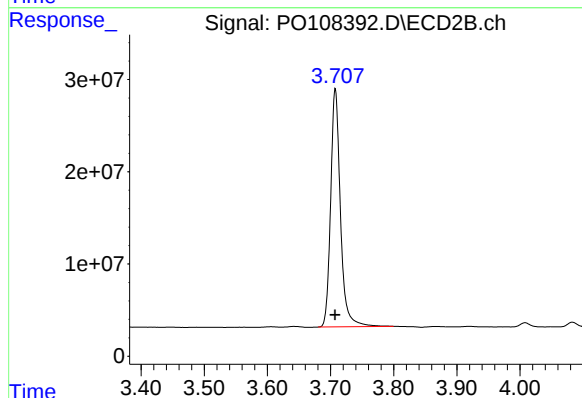




## #1 Tetrachloro-m-xylene

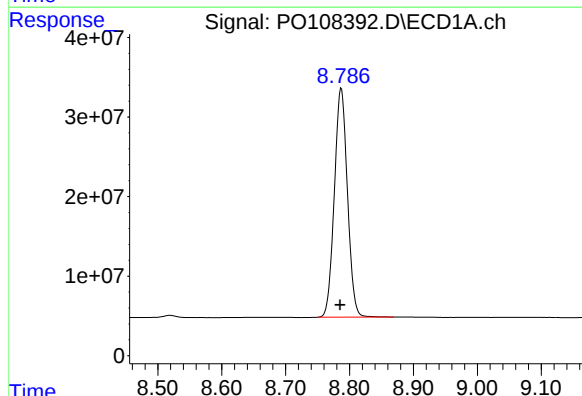
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 494793800  
Conc: 54.70 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248



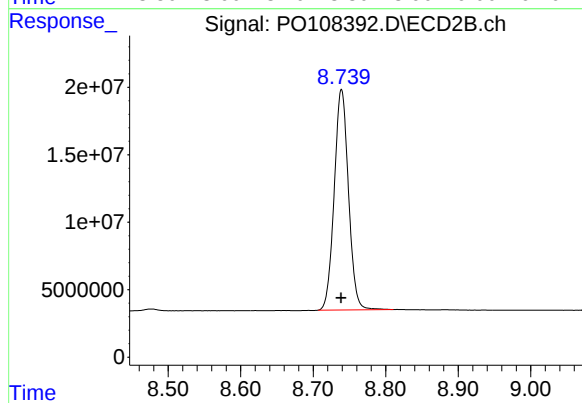
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 277910117  
Conc: 55.06 ng/ml



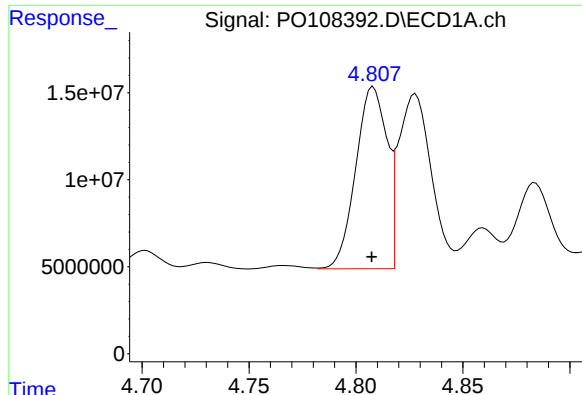
## #2 Decachlorobiphenyl

R.T.: 8.787 min  
Delta R.T.: 0.002 min  
Response: 408455902  
Conc: 52.67 ng/ml



## #2 Decachlorobiphenyl

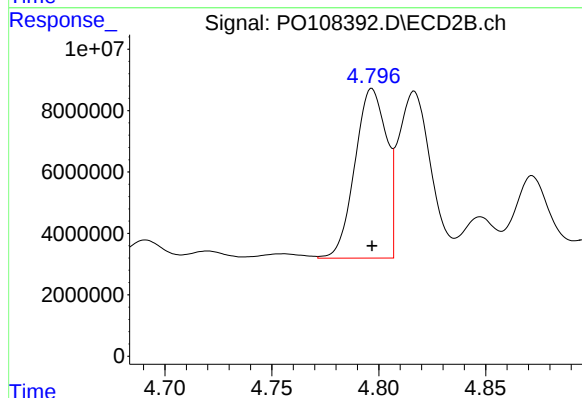
R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 223253253  
Conc: 54.00 ng/ml



#21 AR-1248-1

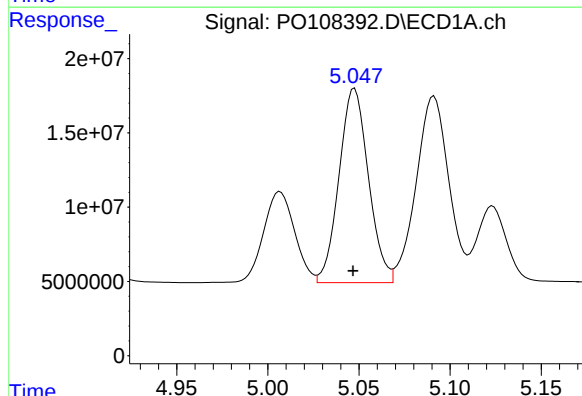
R.T.: 4.808 min  
Delta R.T.: 0.000 min  
Response: 106402805  
Conc: 531.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248



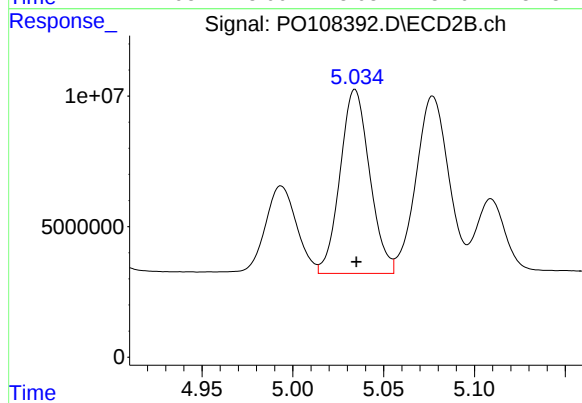
#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 56795368  
Conc: 540.30 ng/ml



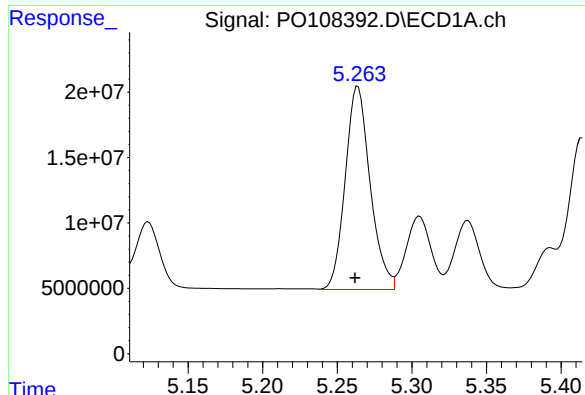
#22 AR-1248-2

R.T.: 5.048 min  
Delta R.T.: 0.000 min  
Response: 146797257  
Conc: 529.60 ng/ml



#22 AR-1248-2

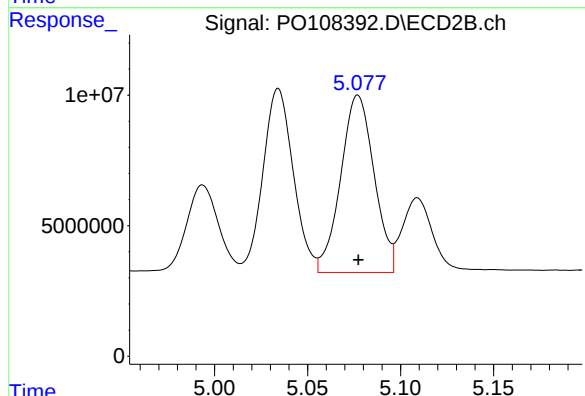
R.T.: 5.034 min  
Delta R.T.: 0.000 min  
Response: 80058605  
Conc: 536.13 ng/ml



#23 AR-1248-3

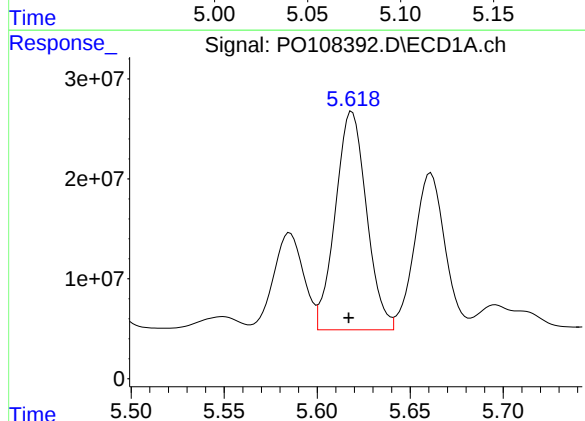
R.T.: 5.264 min  
Delta R.T.: 0.002 min  
Response: 180358449  
Conc: 528.91 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248



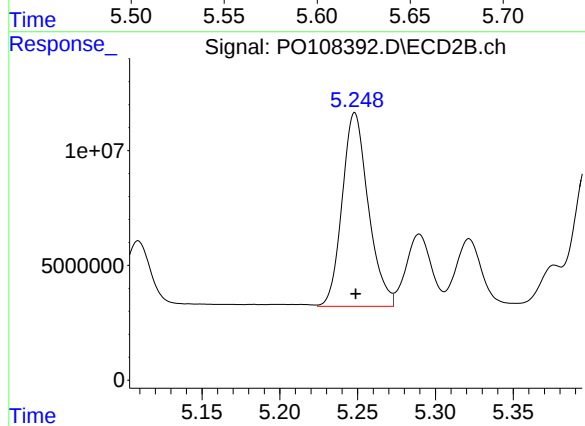
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 84835876  
Conc: 535.54 ng/ml



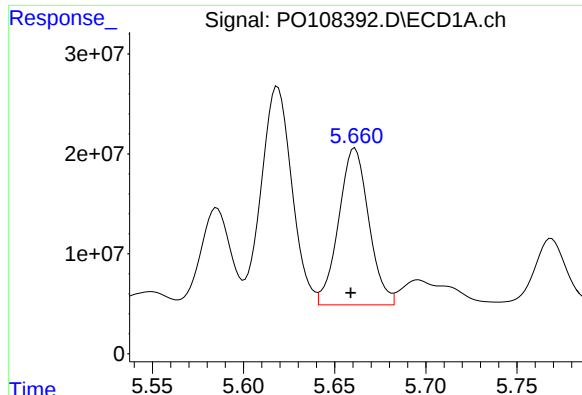
#24 AR-1248-4

R.T.: 5.619 min  
Delta R.T.: 0.002 min  
Response: 255093582  
Conc: 535.32 ng/ml



#24 AR-1248-4

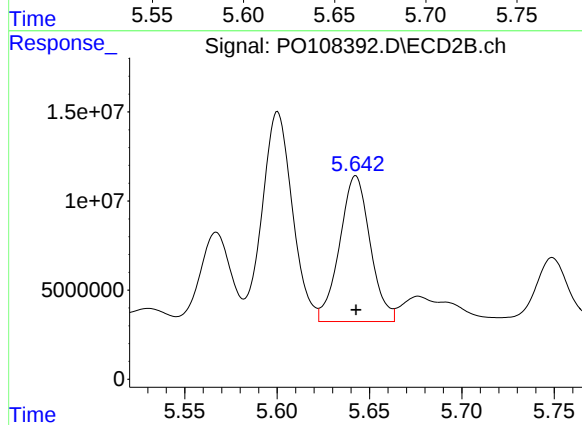
R.T.: 5.248 min  
Delta R.T.: 0.000 min  
Response: 98531455  
Conc: 539.75 ng/ml



#25 AR-1248-5

R.T.: 5.661 min  
Delta R.T.: 0.002 min  
Response: 180365829  
Conc: 532.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1248



#25 AR-1248-5

R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 94191450  
Conc: 536.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108393.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:48  
Operator : YP/AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:09:17 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:08:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 496.6E6 | 280.8E6 | 54.077  | 54.172  |
| 2) SA Decachlor...          | 8.788 | 8.740 | 411.8E6 | 224.2E6 | 53.122  | 53.431  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.620 | 5.601 | 273.4E6 | 144.3E6 | 532.286 | 532.859 |
| 27) L6 AR-1254-2            | 5.768 | 5.749 | 242.1E6 | 127.8E6 | 531.623 | 532.309 |
| 28) L6 AR-1254-3            | 6.175 | 6.153 | 387.5E6 | 203.0E6 | 538.152 | 540.509 |
| 29) L6 AR-1254-4            | 6.405 | 6.381 | 237.3E6 | 117.8E6 | 540.738 | 541.351 |
| 30) L6 AR-1254-5            | 6.827 | 6.800 | 339.7E6 | 174.8E6 | 534.857 | 541.443 |
| -----                       |       |       |         |         |         |         |

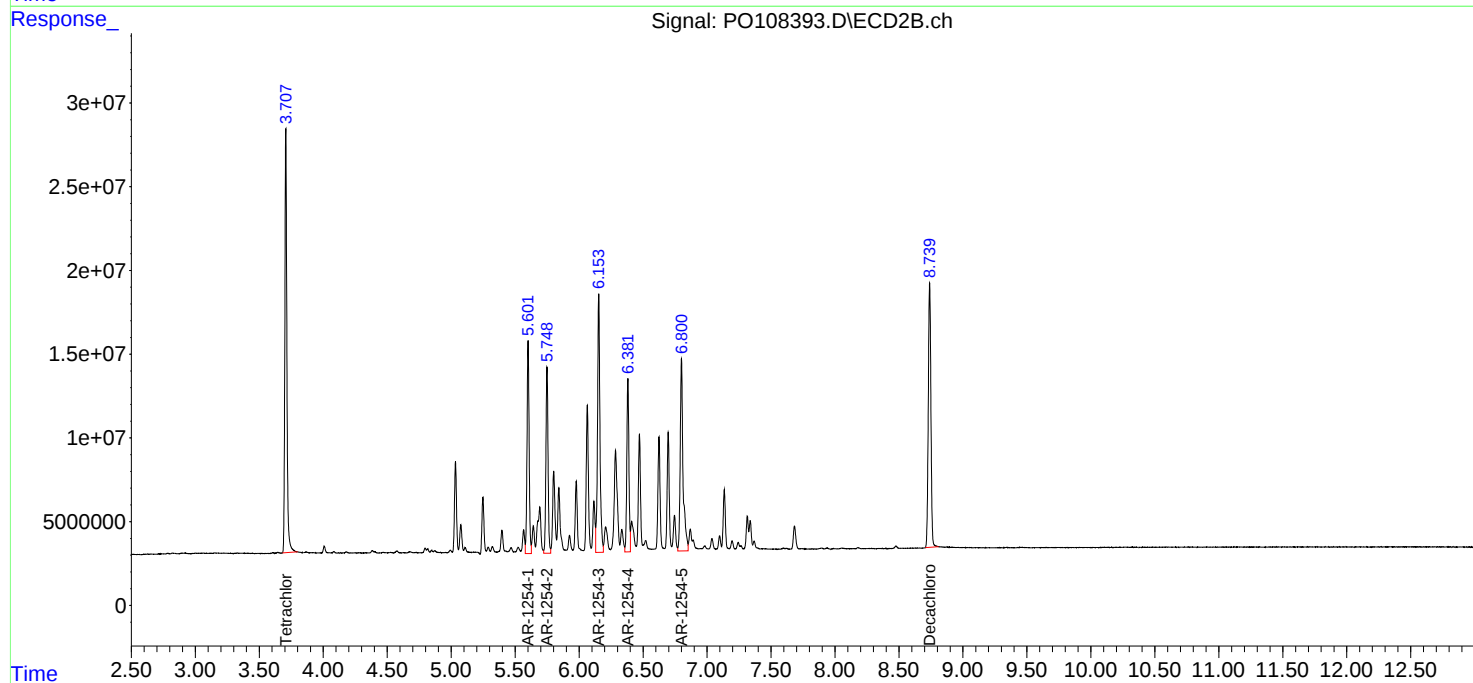
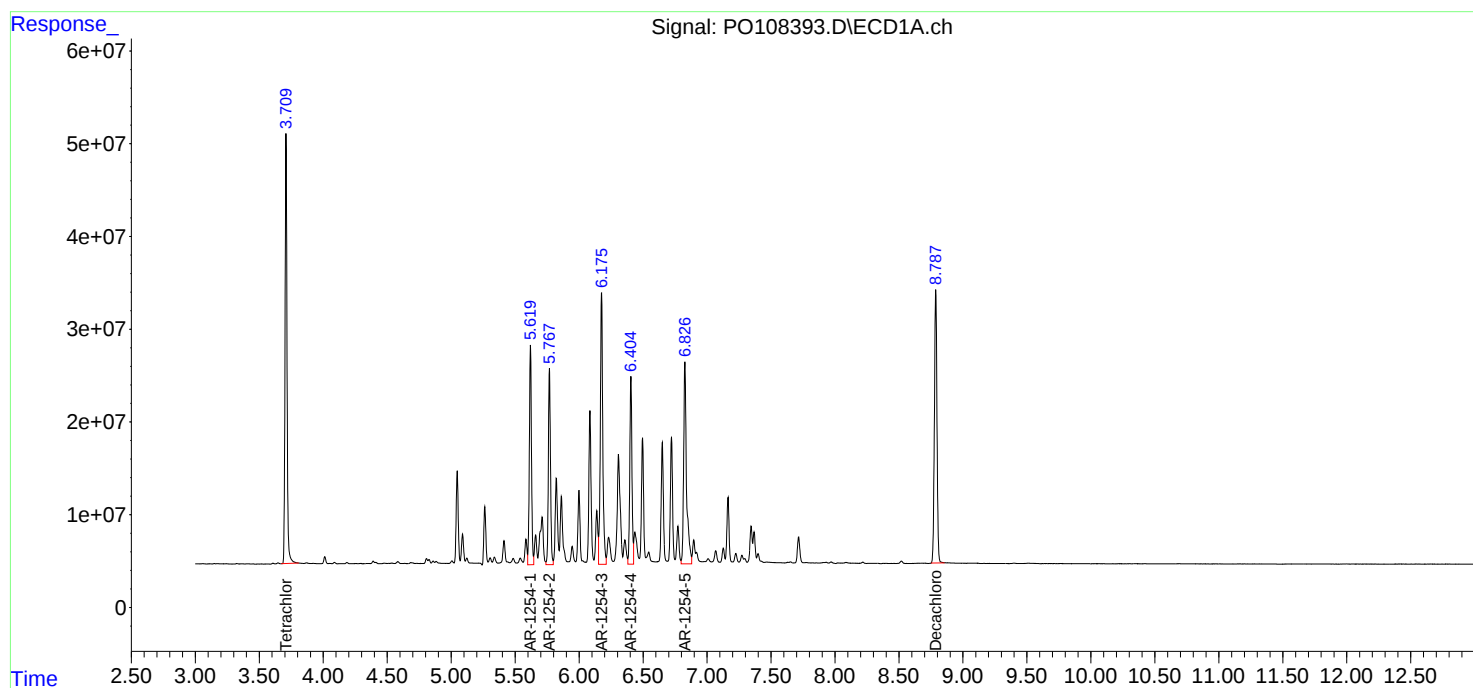
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

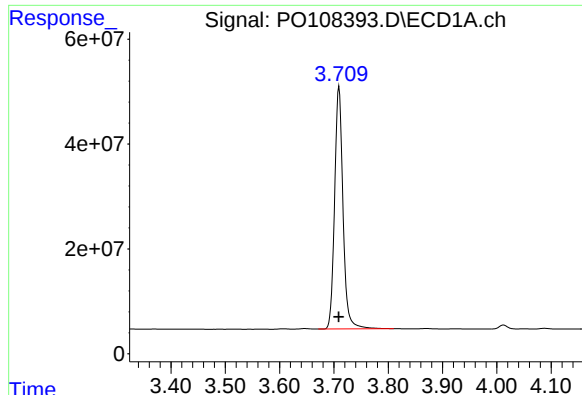
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108393.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 23:48  
Operator : YP/AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:09:17 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:08:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

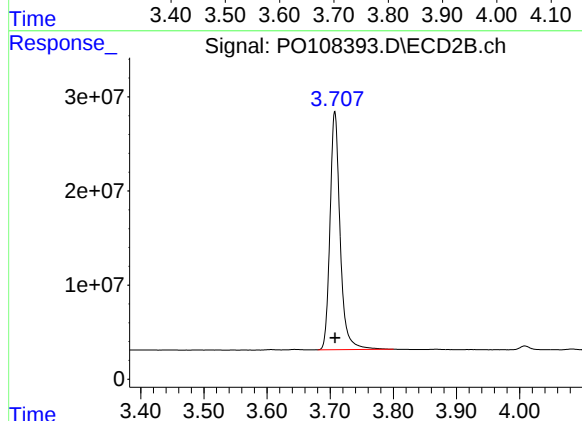




## #1 Tetrachloro-m-xylene

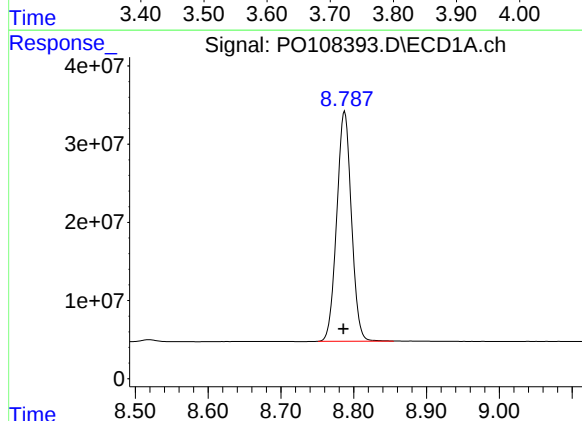
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 496582945  
Conc: 54.08 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254



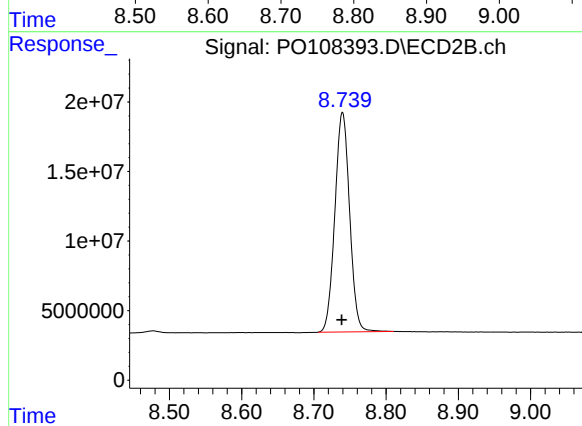
## #1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 280770967  
Conc: 54.17 ng/ml



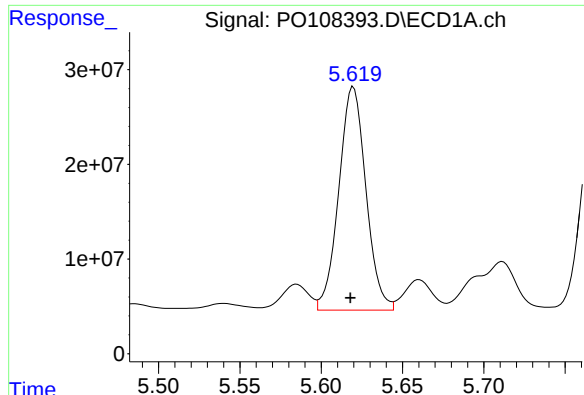
## #2 Decachlorobiphenyl

R.T.: 8.788 min  
Delta R.T.: 0.002 min  
Response: 411835318  
Conc: 53.12 ng/ml



## #2 Decachlorobiphenyl

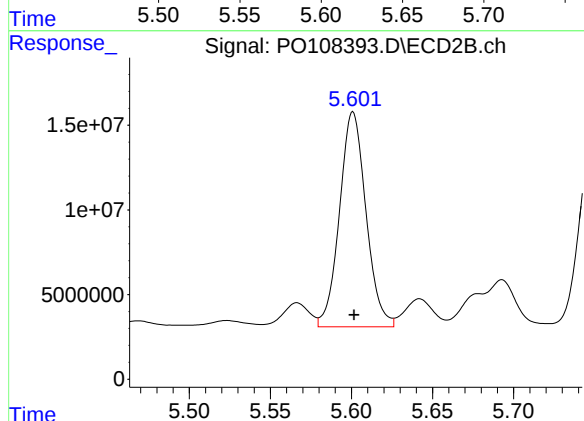
R.T.: 8.740 min  
Delta R.T.: 0.001 min  
Response: 224175723  
Conc: 53.43 ng/ml



#26 AR-1254-1

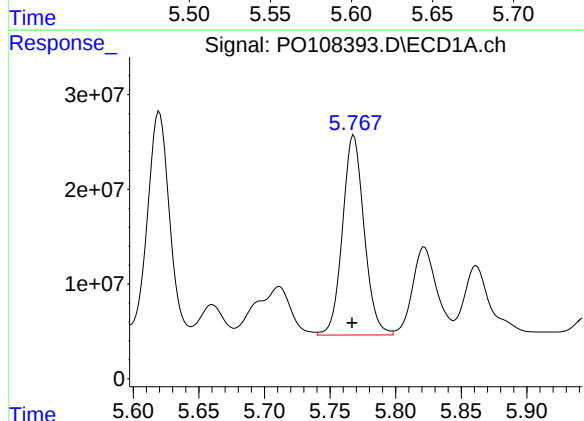
R.T.: 5.620 min  
Delta R.T.: 0.002 min  
Response: 273403576  
Conc: 532.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254



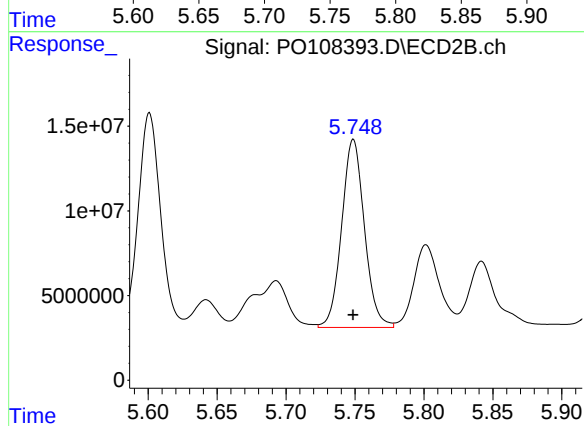
#26 AR-1254-1

R.T.: 5.601 min  
Delta R.T.: 0.000 min  
Response: 144315218  
Conc: 532.86 ng/ml



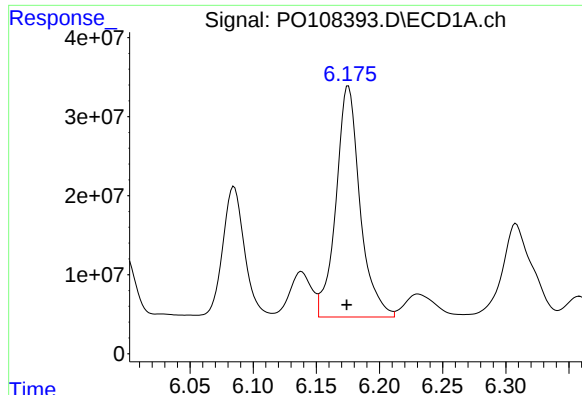
#27 AR-1254-2

R.T.: 5.768 min  
Delta R.T.: 0.001 min  
Response: 242131954  
Conc: 531.62 ng/ml



#27 AR-1254-2

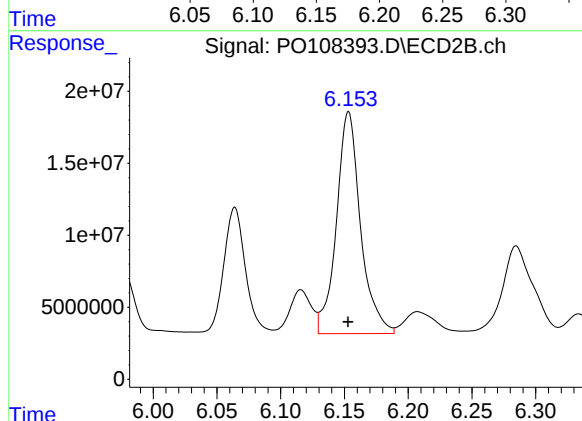
R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 127765050  
Conc: 532.31 ng/ml



#28 AR-1254-3

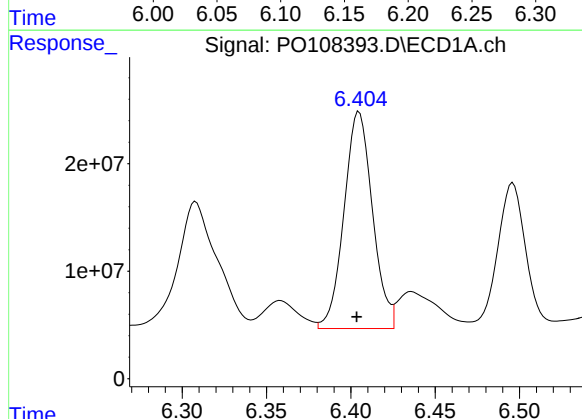
R.T.: 6.175 min  
Delta R.T.: 0.001 min  
Response: 387538706  
Conc: 538.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254



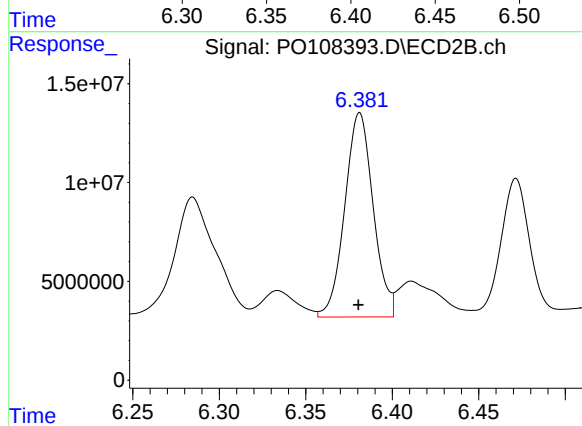
#28 AR-1254-3

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 202966969  
Conc: 540.51 ng/ml



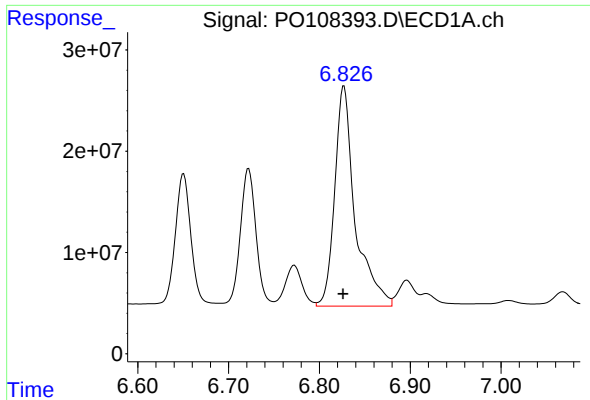
#29 AR-1254-4

R.T.: 6.405 min  
Delta R.T.: 0.001 min  
Response: 237282578  
Conc: 540.74 ng/ml



#29 AR-1254-4

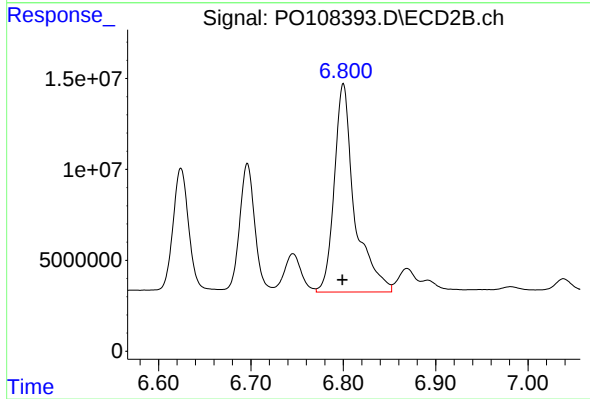
R.T.: 6.381 min  
Delta R.T.: 0.000 min  
Response: 117839788  
Conc: 541.35 ng/ml



#30 AR-1254-5

R.T.: 6.827 min  
Delta R.T.: 0.000 min  
Response: 339699576  
Conc: 534.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1254



#30 AR-1254-5

R.T.: 6.800 min  
Delta R.T.: 0.000 min  
Response: 174756076  
Conc: 541.44 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108394.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Dec 2024 00:06  
Operator : YP/AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:47:35 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:46:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 445.9E6  | 250.8E6  | 48.476  | 48.664  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 629.8E6  | 343.6E6  | 47.715  | 47.815  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.655 | 7.624 | 596.7E6  | 310.0E6  | 479.624 | 479.987 |
| 42) L9 AR-1268-2            | 7.719 | 7.688 | 536.9E6  | 279.8E6  | 478.639 | 481.104 |
| 43) L9 AR-1268-3            | 7.931 | 7.898 | 429.9E6  | 238.3E6  | 474.352 | 477.608 |
| 44) L9 AR-1268-4            | 8.217 | 8.181 | 185.6E6  | 97713362 | 479.679 | 481.254 |
| 45) L9 AR-1268-5            | 8.519 | 8.477 | 1339.4E6 | 717.3E6  | 483.179 | 483.115 |
| -----                       |       |       |          |          |         |         |

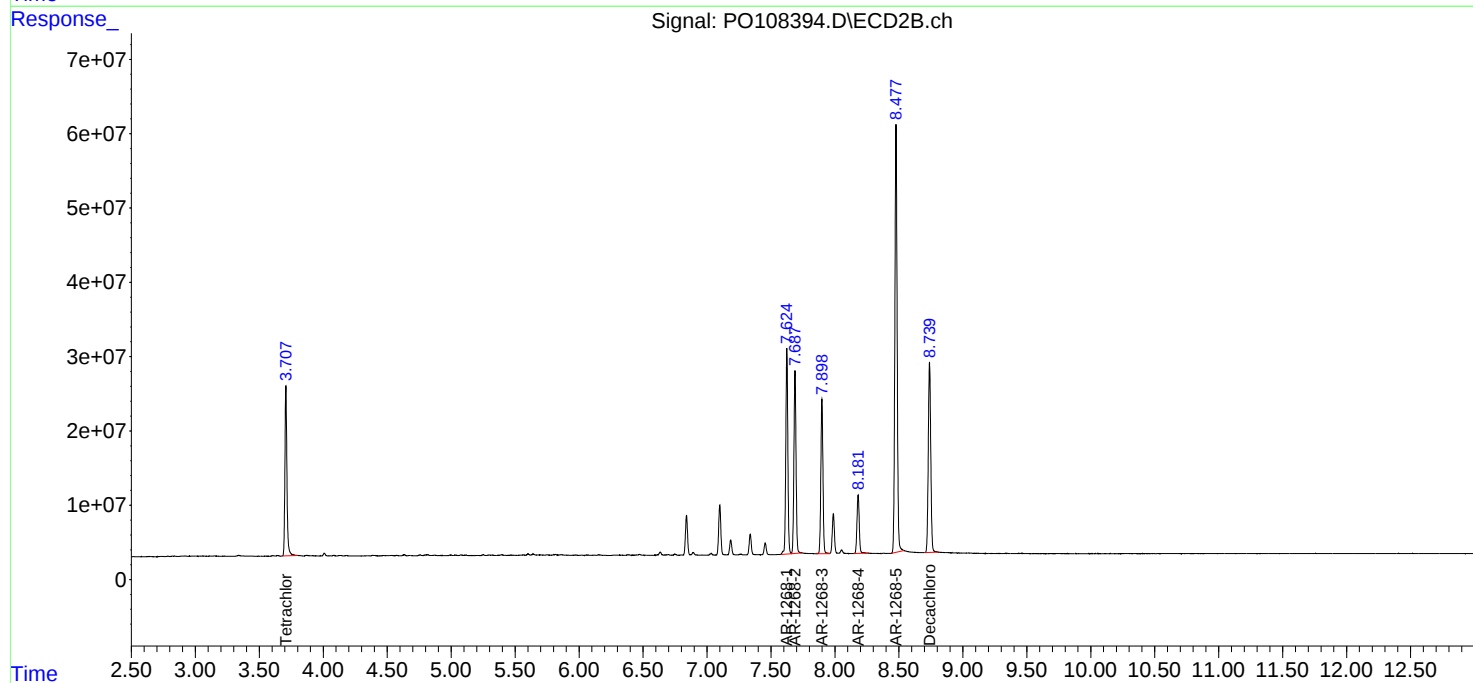
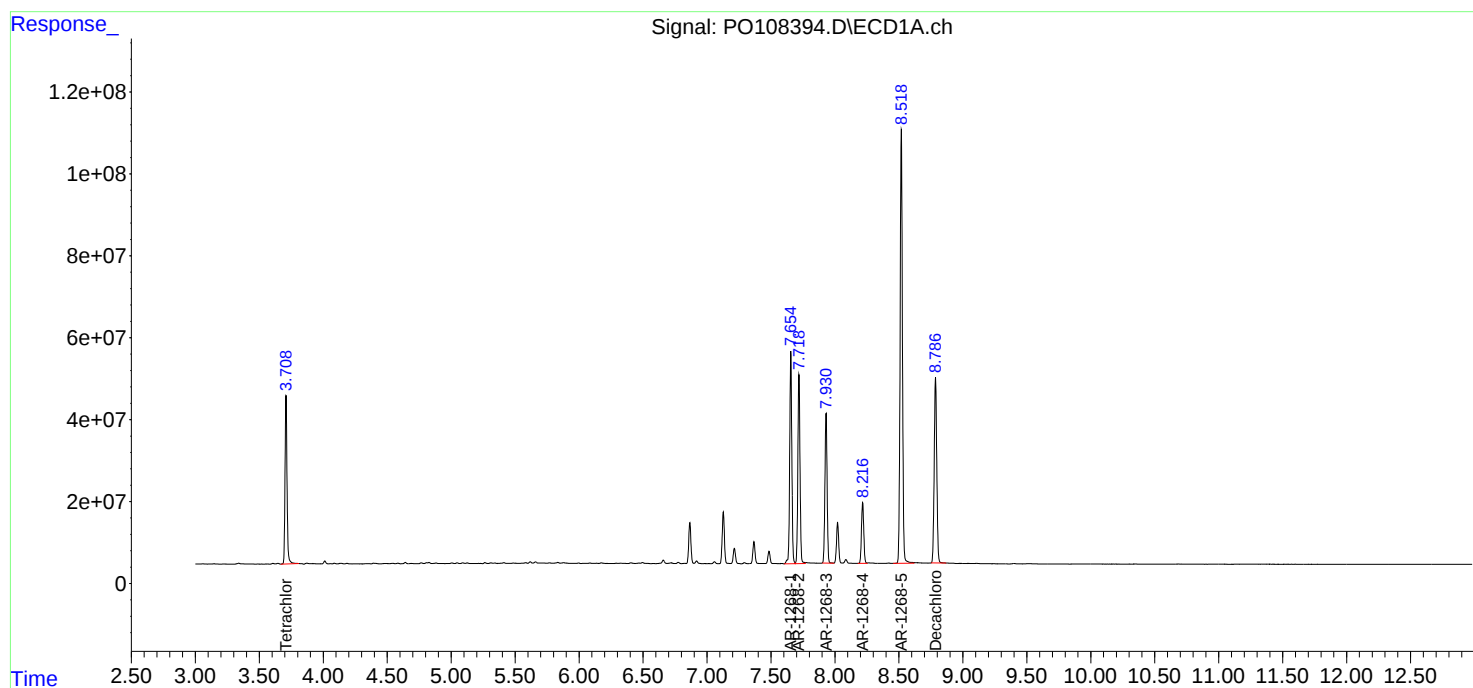
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108394.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Dec 2024 00:06  
Operator : YP/AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

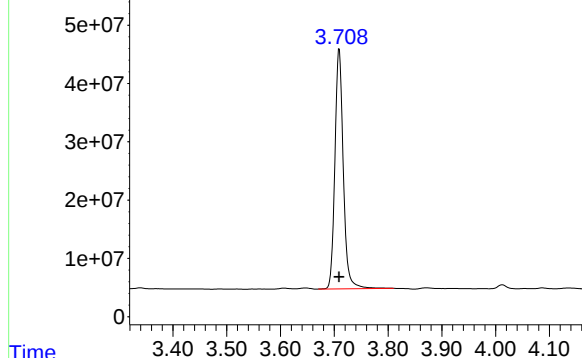
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 05:47:35 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:46:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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



Response\_ Signal: PO108394.D\ECD1A.ch

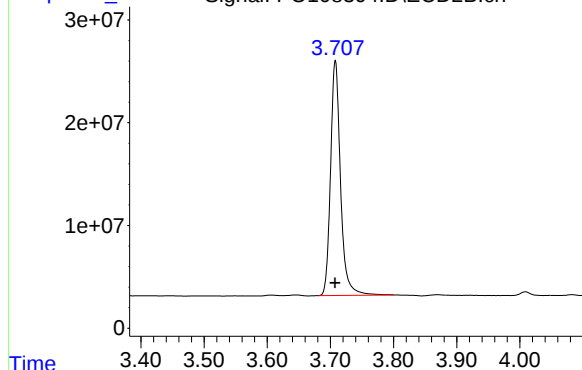


#1 Tetrachloro-m-xylene

R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 445948165  
Conc: 48.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268

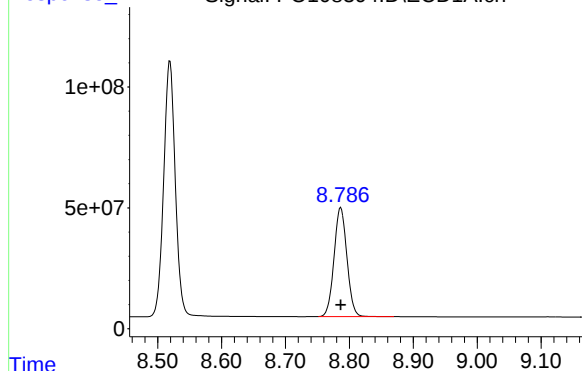
Time Response\_ Signal: PO108394.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 250757677  
Conc: 48.66 ng/ml

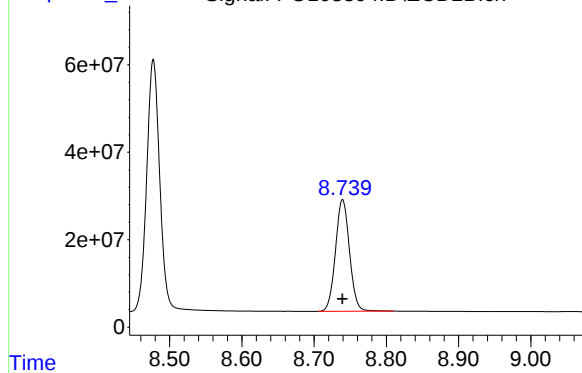
Time Response\_ Signal: PO108394.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 629800695  
Conc: 47.71 ng/ml

Time Response\_ Signal: PO108394.D\ECD2B.ch



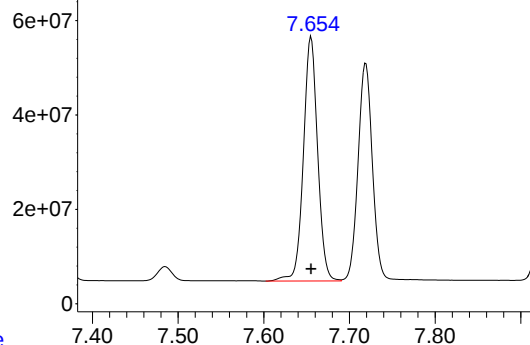
#2 Decachlorobiphenyl

R.T.: 8.739 min  
Delta R.T.: 0.000 min  
Response: 343554515  
Conc: 47.82 ng/ml

Response\_

Signal: PO108394.D\ECD1A.ch

#41 AR-1268-1



R.T.: 7.655 min  
Delta R.T.: 0.000 min  
Response: 596659044  
Conc: 479.62 ng/ml

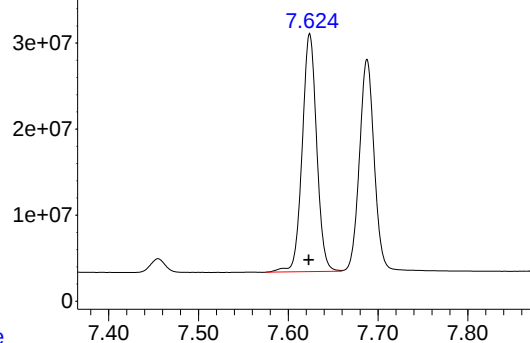
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268

Time

Response\_

Signal: PO108394.D\ECD2B.ch

#41 AR-1268-1



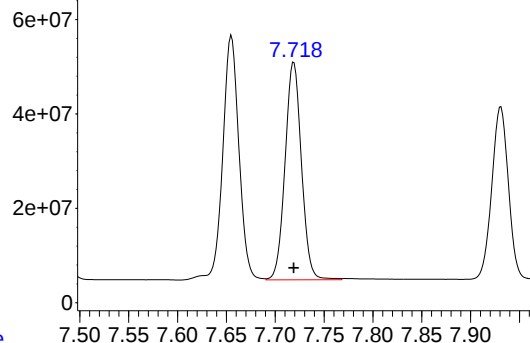
R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 310034932  
Conc: 479.99 ng/ml

Time

Response\_

Signal: PO108394.D\ECD1A.ch

#42 AR-1268-2



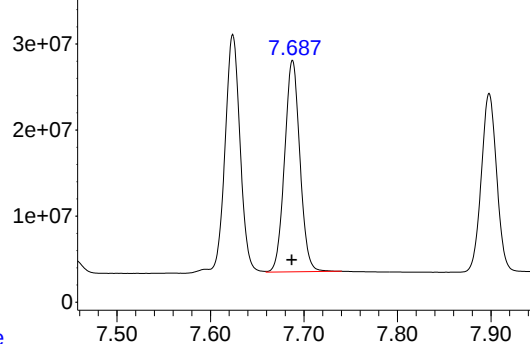
R.T.: 7.719 min  
Delta R.T.: 0.000 min  
Response: 536870958  
Conc: 478.64 ng/ml

Time

Response\_

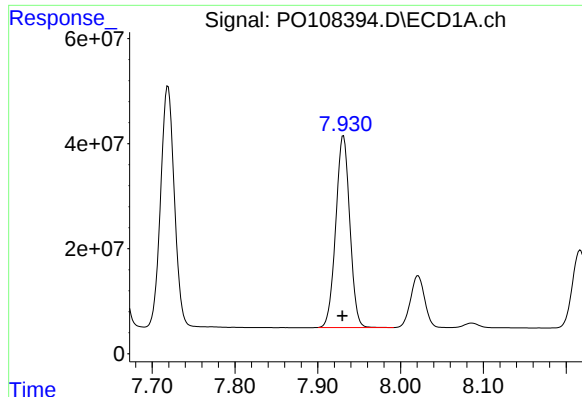
Signal: PO108394.D\ECD2B.ch

#42 AR-1268-2



R.T.: 7.688 min  
Delta R.T.: 0.000 min  
Response: 279774876  
Conc: 481.10 ng/ml

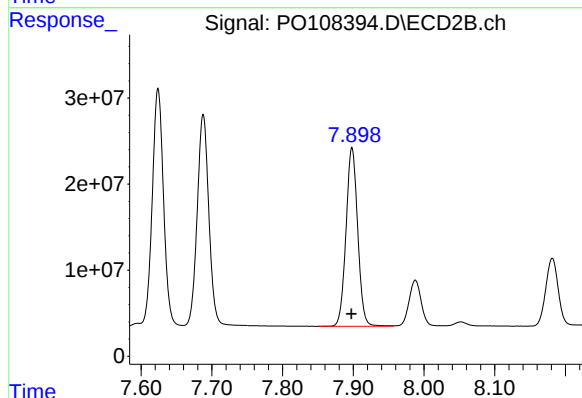
Time



#43 AR-1268-3

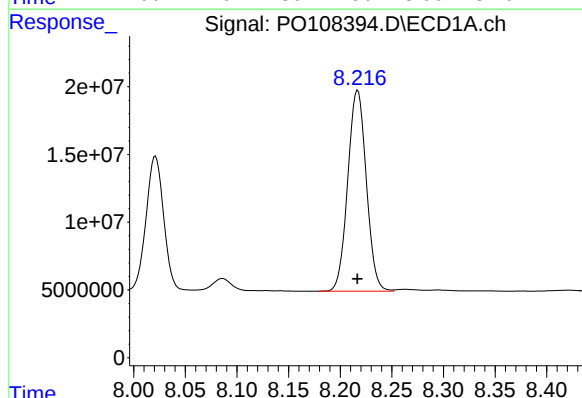
R.T.: 7.931 min  
Delta R.T.: 0.001 min  
Response: 429858567  
Conc: 474.35 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268



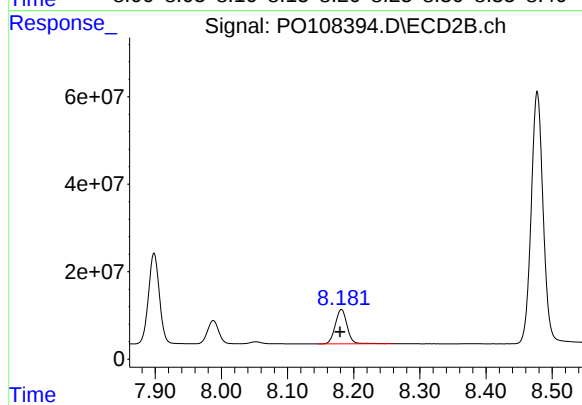
#43 AR-1268-3

R.T.: 7.898 min  
Delta R.T.: 0.000 min  
Response: 238264007  
Conc: 477.61 ng/ml



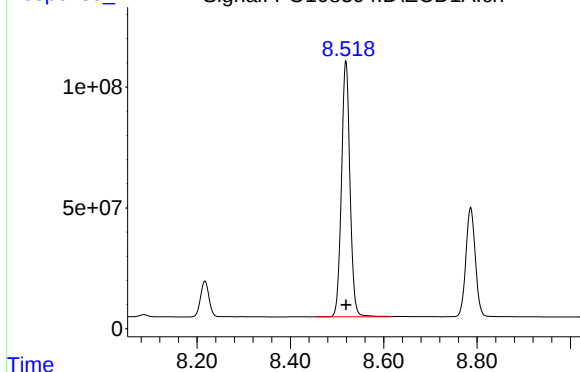
#44 AR-1268-4

R.T.: 8.217 min  
Delta R.T.: 0.000 min  
Response: 185589019  
Conc: 479.68 ng/ml



#44 AR-1268-4

R.T.: 8.181 min  
Delta R.T.: 0.002 min  
Response: 97713362  
Conc: 481.25 ng/ml



R.T.: 8.519 min  
Delta R.T.: 0.000 min  
Response: 1339363453  
Conc: 483.18 ng/ml

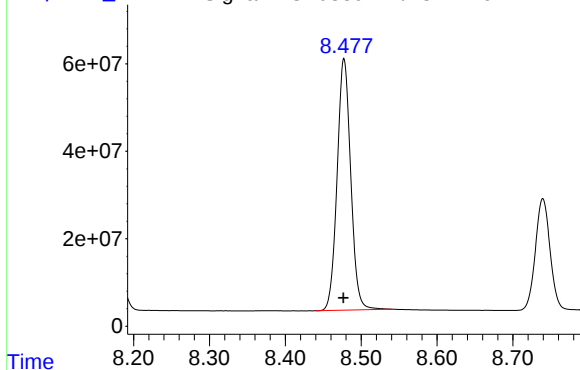
Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO120624AR1268

Time

Response\_

Signal: PO108394.D\ECD2B.ch

#45 AR-1268-5



R.T.: 8.477 min  
Delta R.T.: 0.000 min  
Response: 717341860  
Conc: 483.12 ng/ml

Time



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 16:27 Initial Calibration Time(s): 14:19 22:34

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       | 4.81      | 4.71      | 4.91 | 0.01       |
| Aroclor-1016-2       | (2) | 4.82       | 4.83      | 4.73      | 4.93 | 0.01       |
| Aroclor-1016-3       | (3) | 4.88       | 4.89      | 4.79      | 4.99 | 0.01       |
| Aroclor-1016-4       | (4) | 5.00       | 5.01      | 4.91      | 5.11 | 0.01       |
| Aroclor-1016-5       | (5) | 5.26       | 5.27      | 5.17      | 5.37 | 0.01       |
| Aroclor-1260-1       | (1) | 6.30       | 6.31      | 6.21      | 6.41 | 0.01       |
| Aroclor-1260-2       | (2) | 6.49       | 6.50      | 6.40      | 6.60 | 0.01       |
| Aroclor-1260-3       | (3) | 6.86       | 6.87      | 6.77      | 6.97 | 0.01       |
| Aroclor-1260-4       | (4) | 7.12       | 7.13      | 7.03      | 7.23 | 0.01       |
| Aroclor-1260-5       | (5) | 7.36       | 7.37      | 7.27      | 7.47 | 0.01       |
| Tetrachloro-m-xylene |     | 3.71       | 3.71      | 3.61      | 3.81 | 0.00       |
| Decachlorobiphenyl   |     | 8.78       | 8.79      | 8.69      | 8.89 | 0.01       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 16:27 Initial Calibration Time(s): 14:19 22:34

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) | 4.79       | 4.80      | 4.70      | 4.90 | 0.01       |
| Aroclor-1016-2       | (2) | 4.81       | 4.82      | 4.72      | 4.92 | 0.01       |
| Aroclor-1016-3       | (3) | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |
| Aroclor-1016-4       | (4) | 5.03       | 5.04      | 4.94      | 5.14 | 0.01       |
| Aroclor-1016-5       | (5) | 5.24       | 5.25      | 5.15      | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.28       | 6.29      | 6.19      | 6.39 | 0.01       |
| Aroclor-1260-2       | (2) | 6.46       | 6.47      | 6.37      | 6.57 | 0.01       |
| Aroclor-1260-3       | (3) | 6.62       | 6.63      | 6.53      | 6.73 | 0.01       |
| Aroclor-1260-4       | (4) | 7.09       | 7.10      | 7.00      | 7.20 | 0.01       |
| Aroclor-1260-5       | (5) | 7.33       | 7.34      | 7.24      | 7.44 | 0.01       |
| Tetrachloro-m-xylene |     | 3.70       | 3.71      | 3.61      | 3.81 | 0.01       |
| Decachlorobiphenyl   |     | 8.73       | 8.74      | 8.64      | 8.84 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/16/2024

Lab Sample No.: AR1660CCC500 Data File : PO108555.D Time Analyzed: 16:27

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.804 | 4.709                | 4.909 | 456.760            | 500.000           | -8.6  |
| Aroclor-1016-2       | 4.824 | 4.729                | 4.929 | 463.380            | 500.000           | -7.3  |
| Aroclor-1016-3       | 4.880 | 4.785                | 4.985 | 461.510            | 500.000           | -7.7  |
| Aroclor-1016-4       | 5.001 | 4.907                | 5.107 | 460.680            | 500.000           | -7.9  |
| Aroclor-1016-5       | 5.258 | 5.165                | 5.365 | 455.330            | 500.000           | -8.9  |
| Aroclor-1260-1       | 6.301 | 6.210                | 6.410 | 439.970            | 500.000           | -12.0 |
| Aroclor-1260-2       | 6.490 | 6.398                | 6.598 | 445.440            | 500.000           | -10.9 |
| Aroclor-1260-3       | 6.859 | 6.769                | 6.969 | 439.030            | 500.000           | -12.2 |
| Aroclor-1260-4       | 7.120 | 7.029                | 7.229 | 424.930            | 500.000           | -15.0 |
| Aroclor-1260-5       | 7.360 | 7.270                | 7.470 | 426.740            | 500.000           | -14.7 |
| Decachlorobiphenyl   | 8.776 | 8.691                | 8.891 | 41.110             | 50.000            | -17.8 |
| Tetrachloro-m-xylene | 3.707 | 3.610                | 3.810 | 46.360             | 50.000            | -7.3  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL01 Date Analyzed: 12/16/2024

Lab Sample No.: AR1660CCC500 Data File : PO108555.D Time Analyzed: 16:27

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.791 | 4.698                | 4.898 | 522.450            | 500.000           | 4.5  |
| Aroclor-1016-2       | 4.811 | 4.718                | 4.918 | 521.590            | 500.000           | 4.3  |
| Aroclor-1016-3       | 4.987 | 4.894                | 5.094 | 513.030            | 500.000           | 2.6  |
| Aroclor-1016-4       | 5.028 | 4.935                | 5.135 | 512.530            | 500.000           | 2.5  |
| Aroclor-1016-5       | 5.242 | 5.150                | 5.350 | 517.620            | 500.000           | 3.5  |
| Aroclor-1260-1       | 6.276 | 6.186                | 6.386 | 510.870            | 500.000           | 2.2  |
| Aroclor-1260-2       | 6.463 | 6.373                | 6.573 | 513.750            | 500.000           | 2.8  |
| Aroclor-1260-3       | 6.617 | 6.527                | 6.727 | 507.620            | 500.000           | 1.5  |
| Aroclor-1260-4       | 7.089 | 7.000                | 7.200 | 516.260            | 500.000           | 3.3  |
| Aroclor-1260-5       | 7.328 | 7.239                | 7.439 | 522.020            | 500.000           | 4.4  |
| Decachlorobiphenyl   | 8.725 | 8.641                | 8.841 | 49.500             | 50.000            | -1.0 |
| Tetrachloro-m-xylene | 3.704 | 3.608                | 3.808 | 51.760             | 50.000            | 3.5  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108555.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 16:27  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:27:14 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.707 | 3.704 | 403.3E6 | 262.4E6  | 46.359  | 51.760  |
| 2) SA Decachlor...          | 8.776 | 8.725 | 300.3E6 | 191.8E6  | 41.114  | 49.498  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.804 | 4.791 | 140.9E6 | 83839110 | 456.764 | 522.446 |
| 4) L1 AR-1016-2             | 4.824 | 4.811 | 193.4E6 | 115.8E6  | 463.382 | 521.592 |
| 5) L1 AR-1016-3             | 4.880 | 4.987 | 135.1E6 | 64556099 | 461.506 | 513.027 |
| 6) L1 AR-1016-4             | 5.001 | 5.028 | 106.5E6 | 53716216 | 460.682 | 512.530 |
| 7) L1 AR-1016-5             | 5.258 | 5.242 | 114.6E6 | 69987330 | 455.330 | 517.615 |
| 31) L7 AR-1260-1            | 6.301 | 6.276 | 201.1E6 | 119.6E6  | 439.971 | 510.872 |
| 32) L7 AR-1260-2            | 6.490 | 6.463 | 247.5E6 | 144.1E6  | 445.440 | 513.746 |
| 33) L7 AR-1260-3            | 6.859 | 6.617 | 203.6E6 | 133.8E6  | 439.026 | 507.622 |
| 34) L7 AR-1260-4            | 7.120 | 7.089 | 180.7E6 | 109.8E6  | 424.928 | 516.257 |
| 35) L7 AR-1260-5            | 7.360 | 7.328 | 414.7E6 | 252.6E6  | 426.738 | 522.025 |
| -----                       |       |       |         |          |         |         |

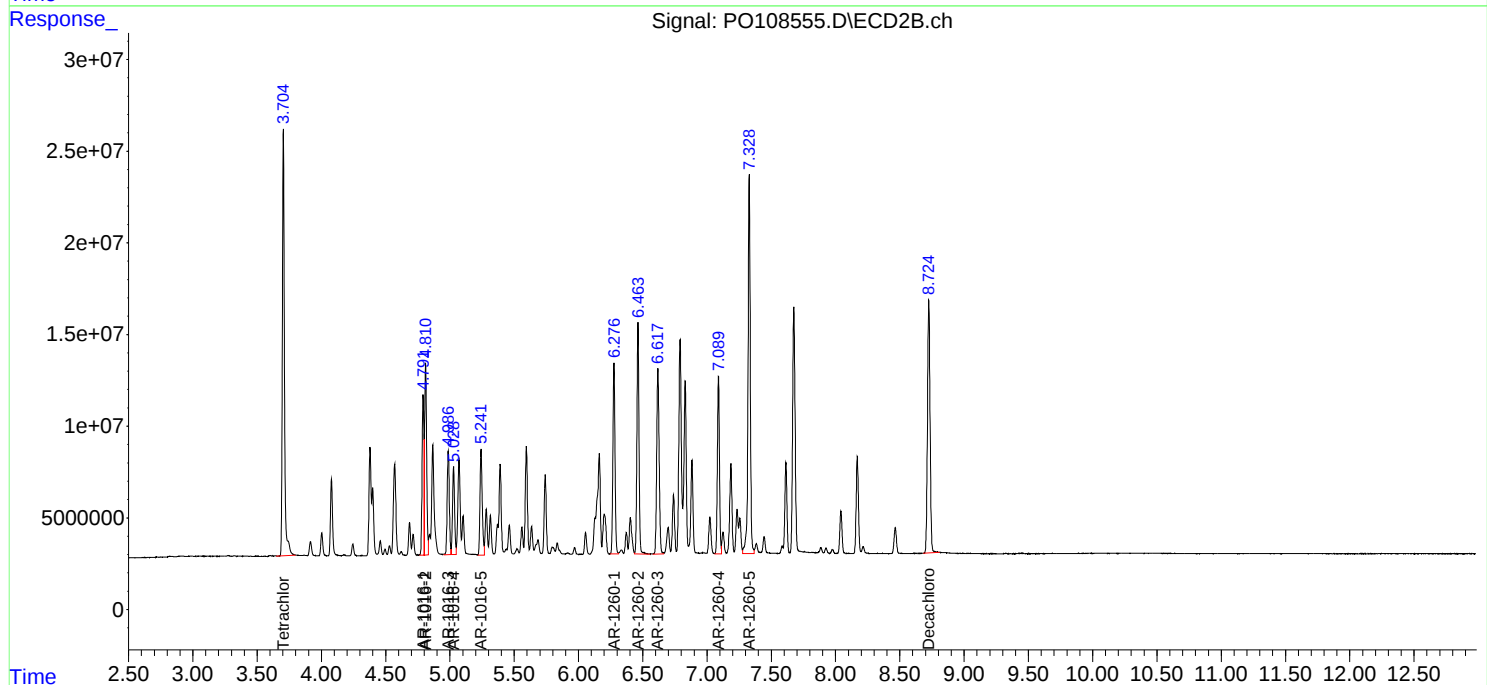
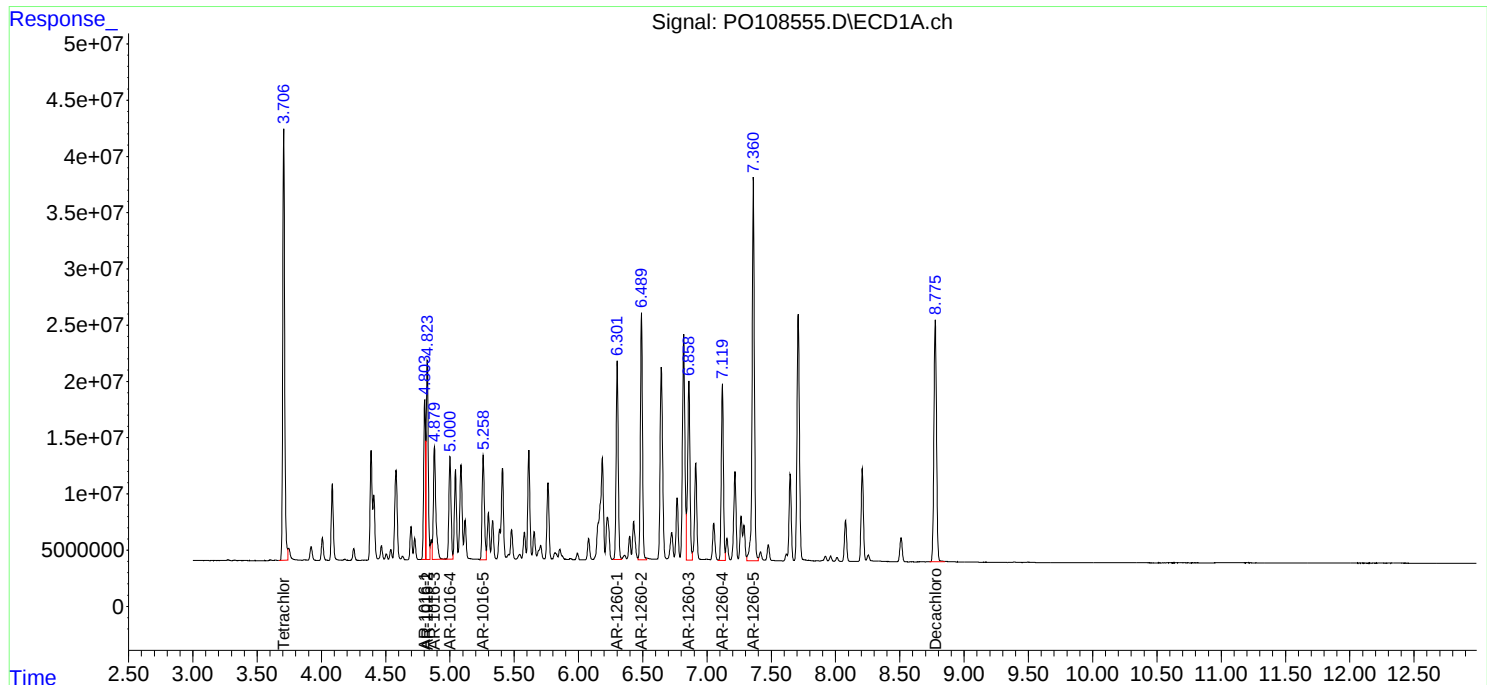
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

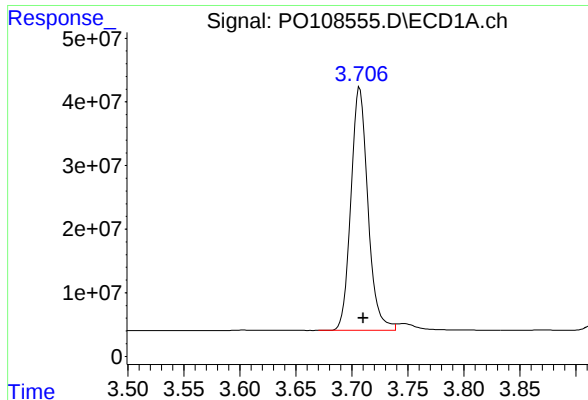
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108555.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 16:27  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:27:14 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

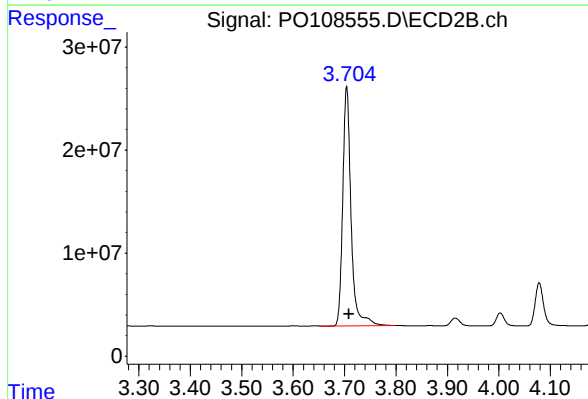




## #1 Tetrachloro-m-xylene

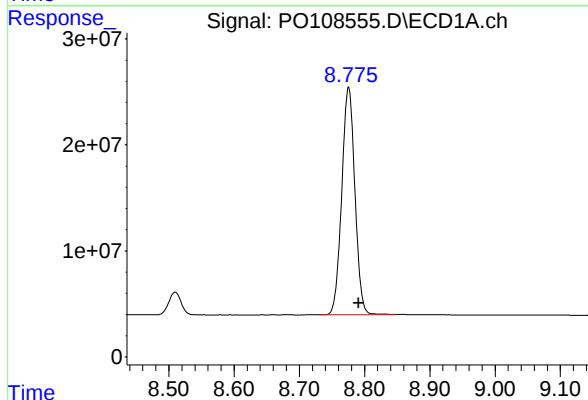
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 403329120  
Conc: 46.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



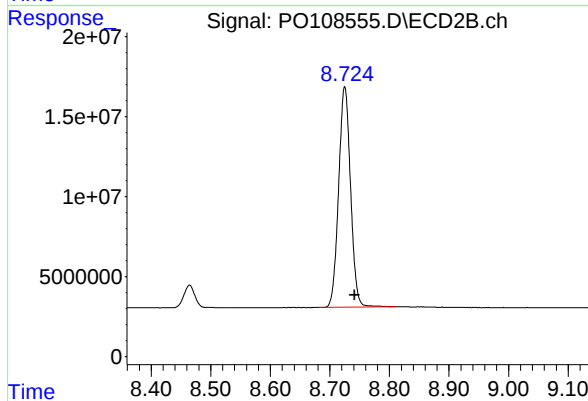
## #1 Tetrachloro-m-xylene

R.T.: 3.704 min  
Delta R.T.: -0.004 min  
Response: 262392586  
Conc: 51.76 ng/ml



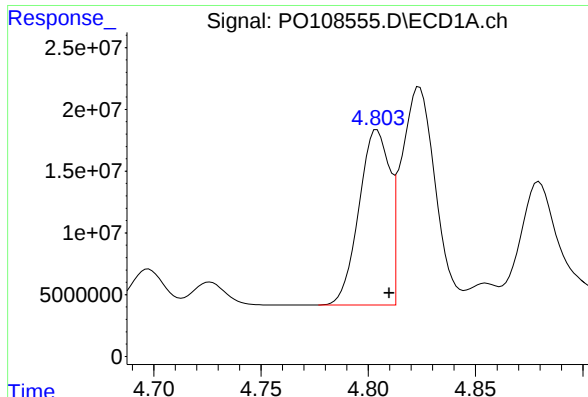
## #2 Decachlorobiphenyl

R.T.: 8.776 min  
Delta R.T.: -0.015 min  
Response: 300298326  
Conc: 41.11 ng/ml



## #2 Decachlorobiphenyl

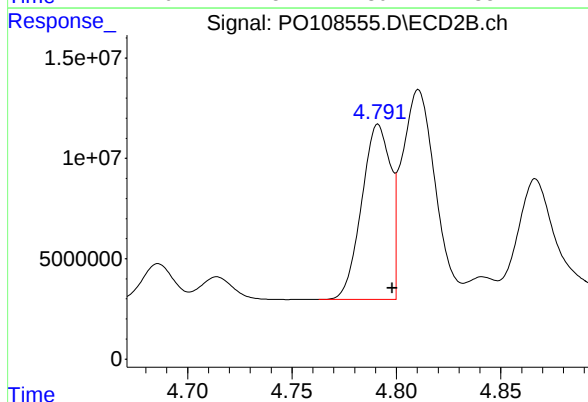
R.T.: 8.725 min  
Delta R.T.: -0.016 min  
Response: 191800098  
Conc: 49.50 ng/ml



#3 AR-1016-1

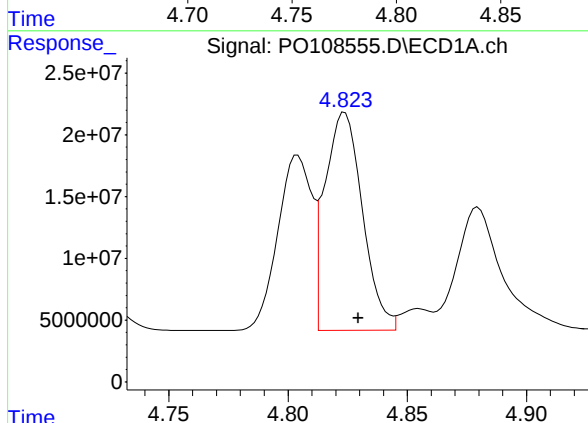
R.T.: 4.804 min  
Delta R.T.: -0.006 min  
Response: 140885772  
Conc: 456.76 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



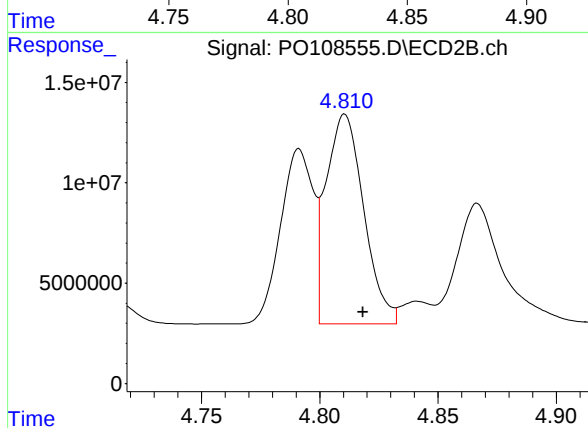
#3 AR-1016-1

R.T.: 4.791 min  
Delta R.T.: -0.007 min  
Response: 83839110  
Conc: 522.45 ng/ml



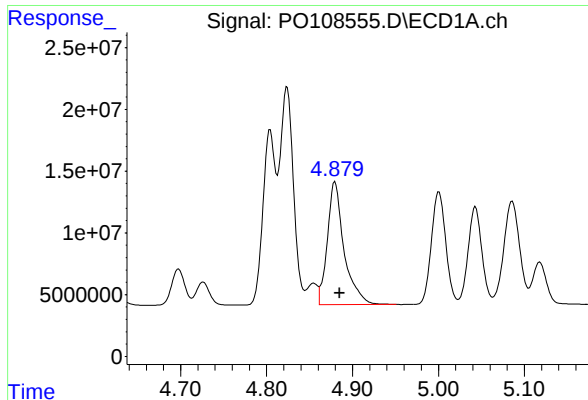
#4 AR-1016-2

R.T.: 4.824 min  
Delta R.T.: -0.006 min  
Response: 193424698  
Conc: 463.38 ng/ml



#4 AR-1016-2

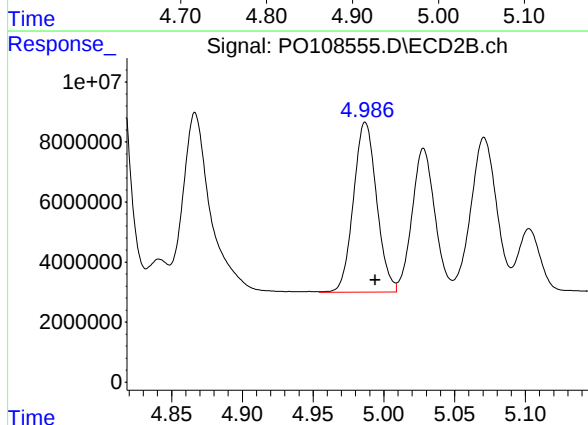
R.T.: 4.811 min  
Delta R.T.: -0.008 min  
Response: 115841837  
Conc: 521.59 ng/ml



#5 AR-1016-3

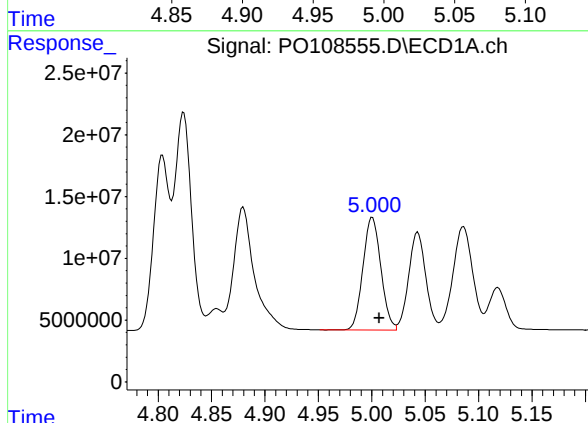
R.T.: 4.880 min  
Delta R.T.: -0.005 min  
Response: 135051038  
Conc: 461.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



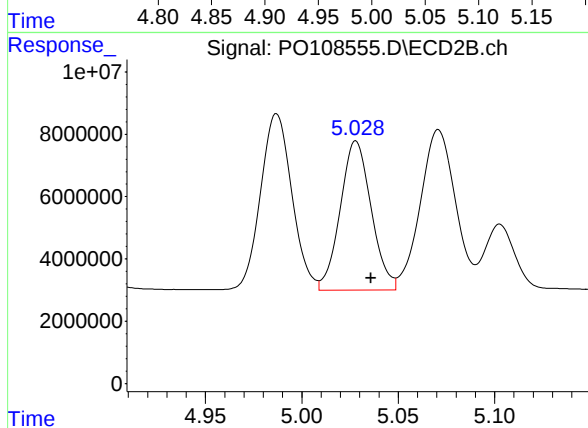
#5 AR-1016-3

R.T.: 4.987 min  
Delta R.T.: -0.007 min  
Response: 64556099  
Conc: 513.03 ng/ml



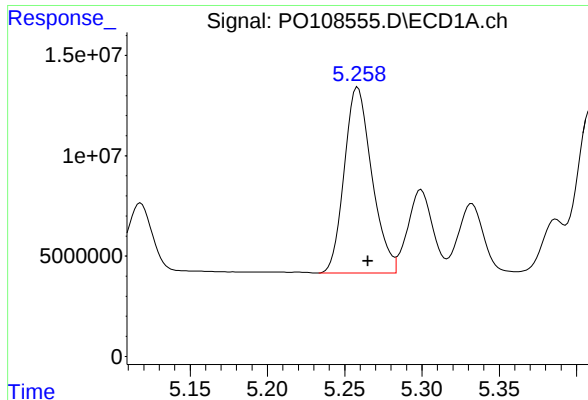
#6 AR-1016-4

R.T.: 5.001 min  
Delta R.T.: -0.006 min  
Response: 106498989  
Conc: 460.68 ng/ml



#6 AR-1016-4

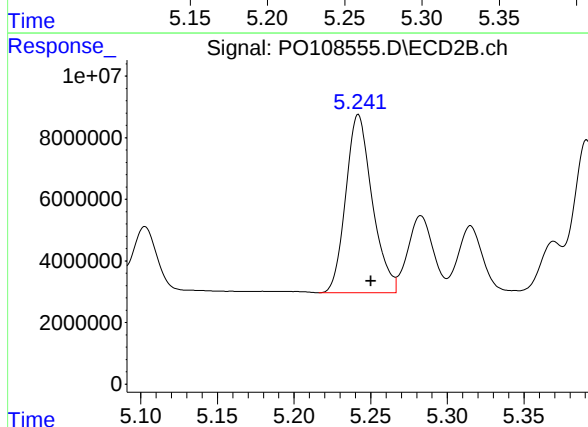
R.T.: 5.028 min  
Delta R.T.: -0.008 min  
Response: 53716216  
Conc: 512.53 ng/ml



#7 AR-1016-5

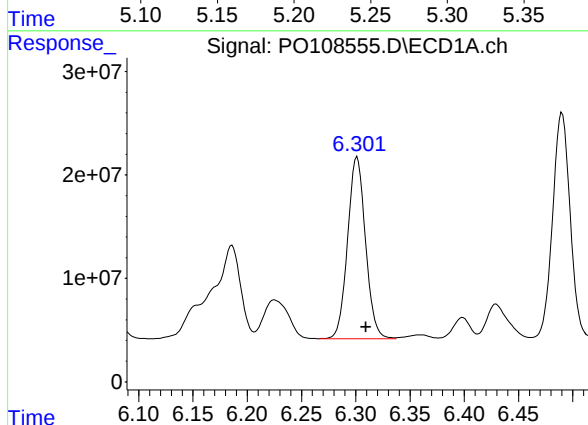
R.T.: 5.258 min  
Delta R.T.: -0.007 min  
Response: 114592984  
Conc: 455.33 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



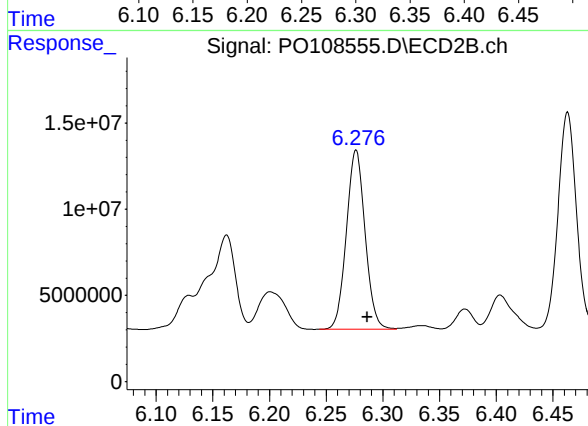
#7 AR-1016-5

R.T.: 5.242 min  
Delta R.T.: -0.008 min  
Response: 69987330  
Conc: 517.62 ng/ml



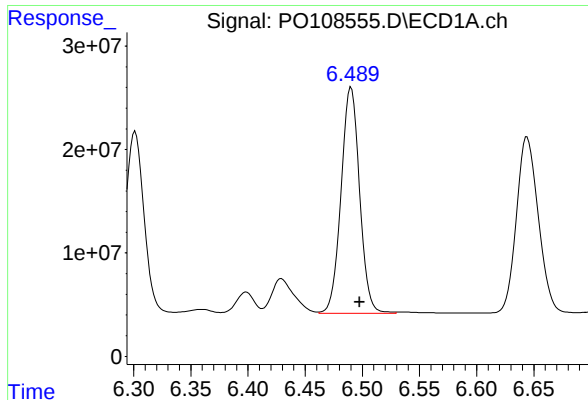
#31 AR-1260-1

R.T.: 6.301 min  
Delta R.T.: -0.008 min  
Response: 201130403  
Conc: 439.97 ng/ml



#31 AR-1260-1

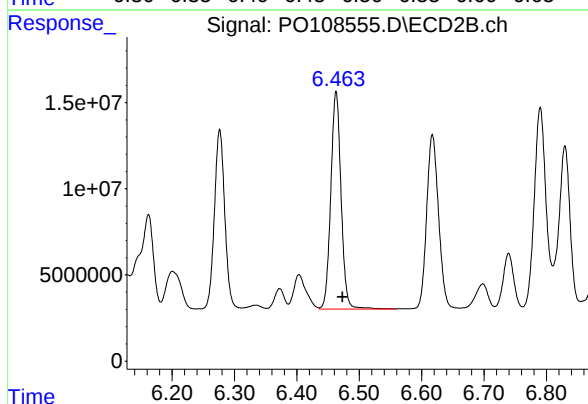
R.T.: 6.276 min  
Delta R.T.: -0.010 min  
Response: 119562241  
Conc: 510.87 ng/ml



#32 AR-1260-2

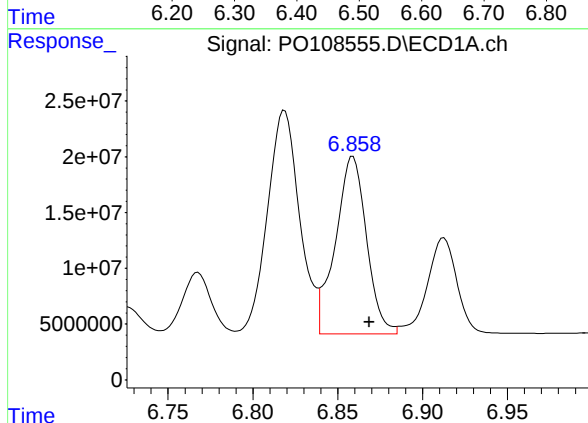
R.T.: 6.490 min  
Delta R.T.: -0.008 min  
Response: 247539560  
Conc: 445.44 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



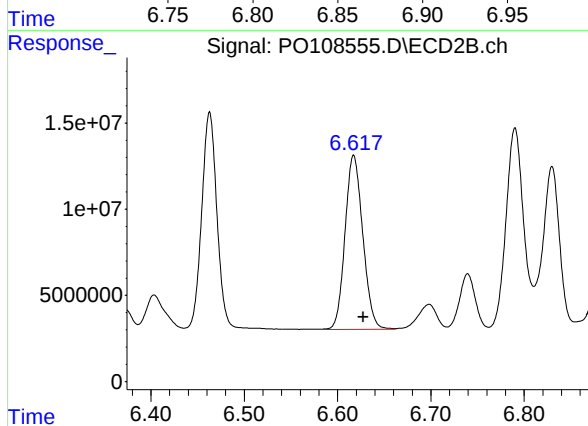
#32 AR-1260-2

R.T.: 6.463 min  
Delta R.T.: -0.011 min  
Response: 144140449  
Conc: 513.75 ng/ml



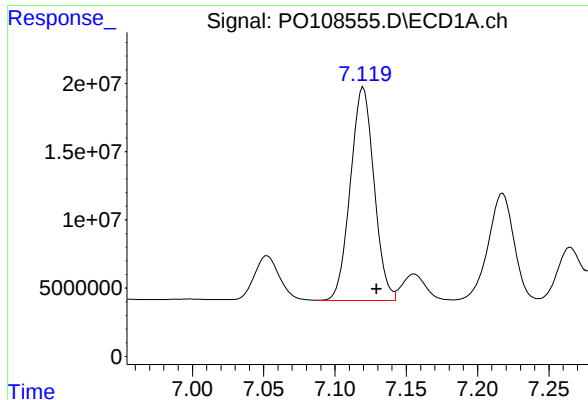
#33 AR-1260-3

R.T.: 6.859 min  
Delta R.T.: -0.010 min  
Response: 203566902  
Conc: 439.03 ng/ml



#33 AR-1260-3

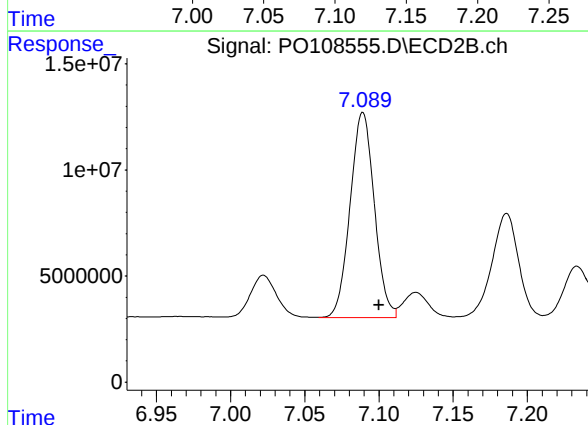
R.T.: 6.617 min  
Delta R.T.: -0.010 min  
Response: 133792943  
Conc: 507.62 ng/ml



#34 AR-1260-4

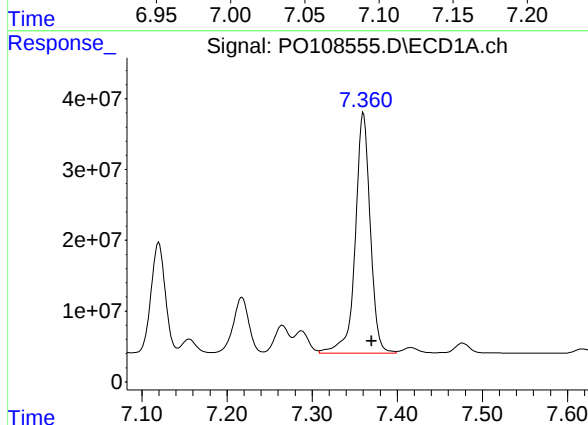
R.T.: 7.120 min  
Delta R.T.: -0.009 min  
Response: 180739088  
Conc: 424.93 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



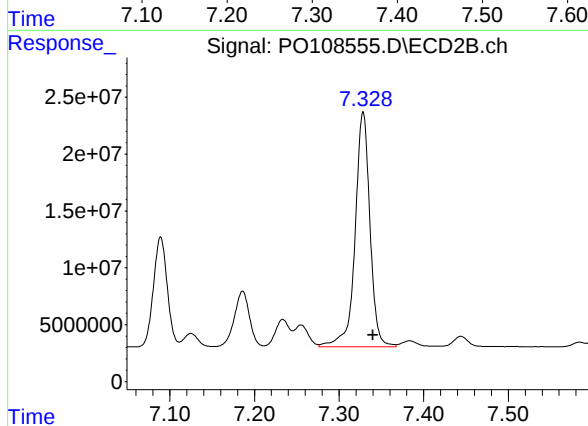
#34 AR-1260-4

R.T.: 7.089 min  
Delta R.T.: -0.011 min  
Response: 109833763  
Conc: 516.26 ng/ml



#35 AR-1260-5

R.T.: 7.360 min  
Delta R.T.: -0.010 min  
Response: 414739549  
Conc: 426.74 ng/ml



#35 AR-1260-5

R.T.: 7.328 min  
Delta R.T.: -0.011 min  
Response: 252625245  
Conc: 522.02 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:54 Initial Calibration Time(s): 14:19 22:34

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       | 4.81      | 4.71      | 4.91 | 0.01       |
| Aroclor-1016-2       | (2) | 4.82       | 4.83      | 4.73      | 4.93 | 0.01       |
| Aroclor-1016-3       | (3) | 4.88       | 4.89      | 4.79      | 4.99 | 0.01       |
| Aroclor-1016-4       | (4) | 5.00       | 5.01      | 4.91      | 5.11 | 0.01       |
| Aroclor-1016-5       | (5) | 5.26       | 5.27      | 5.17      | 5.37 | 0.01       |
| Aroclor-1260-1       | (1) | 6.30       | 6.31      | 6.21      | 6.41 | 0.01       |
| Aroclor-1260-2       | (2) | 6.49       | 6.50      | 6.40      | 6.60 | 0.01       |
| Aroclor-1260-3       | (3) | 6.86       | 6.87      | 6.77      | 6.97 | 0.01       |
| Aroclor-1260-4       | (4) | 7.12       | 7.13      | 7.03      | 7.23 | 0.01       |
| Aroclor-1260-5       | (5) | 7.36       | 7.37      | 7.27      | 7.47 | 0.01       |
| Tetrachloro-m-xylene |     | 3.71       | 3.71      | 3.61      | 3.81 | 0.00       |
| Decachlorobiphenyl   |     | 8.78       | 8.79      | 8.69      | 8.89 | 0.02       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 12/06/2024 12/06/2024

Continuing Calib Time: 20:54 Initial Calibration Time(s): 14:19 22:34

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) | 4.79       | 4.80      | 4.70      | 4.90 | 0.01       |
| Aroclor-1016-2       | (2) | 4.81       | 4.82      | 4.72      | 4.92 | 0.01       |
| Aroclor-1016-3       | (3) | 4.99       | 4.99      | 4.89      | 5.09 | 0.00       |
| Aroclor-1016-4       | (4) | 5.03       | 5.04      | 4.94      | 5.14 | 0.01       |
| Aroclor-1016-5       | (5) | 5.24       | 5.25      | 5.15      | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.28       | 6.29      | 6.19      | 6.39 | 0.01       |
| Aroclor-1260-2       | (2) | 6.46       | 6.47      | 6.37      | 6.57 | 0.01       |
| Aroclor-1260-3       | (3) | 6.62       | 6.63      | 6.53      | 6.73 | 0.01       |
| Aroclor-1260-4       | (4) | 7.09       | 7.10      | 7.00      | 7.20 | 0.01       |
| Aroclor-1260-5       | (5) | 7.33       | 7.34      | 7.24      | 7.44 | 0.01       |
| Tetrachloro-m-xylene |     | 3.71       | 3.71      | 3.61      | 3.81 | 0.01       |
| Decachlorobiphenyl   |     | 8.72       | 8.74      | 8.64      | 8.84 | 0.02       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/16/2024

Lab Sample No.: AR1660CCC500 Data File : PO108568.D Time Analyzed: 20:54

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.804 | 4.709                | 4.909 | 475.410            | 500.000           | -4.9  |
| Aroclor-1016-2       | 4.824 | 4.729                | 4.929 | 477.160            | 500.000           | -4.6  |
| Aroclor-1016-3       | 4.879 | 4.785                | 4.985 | 478.370            | 500.000           | -4.3  |
| Aroclor-1016-4       | 5.001 | 4.907                | 5.107 | 478.960            | 500.000           | -4.2  |
| Aroclor-1016-5       | 5.259 | 5.165                | 5.365 | 481.360            | 500.000           | -3.7  |
| Aroclor-1260-1       | 6.301 | 6.210                | 6.410 | 473.430            | 500.000           | -5.3  |
| Aroclor-1260-2       | 6.489 | 6.398                | 6.598 | 471.620            | 500.000           | -5.7  |
| Aroclor-1260-3       | 6.859 | 6.769                | 6.969 | 472.370            | 500.000           | -5.5  |
| Aroclor-1260-4       | 7.119 | 7.029                | 7.229 | 463.630            | 500.000           | -7.3  |
| Aroclor-1260-5       | 7.360 | 7.270                | 7.470 | 470.330            | 500.000           | -5.9  |
| Decachlorobiphenyl   | 8.775 | 8.691                | 8.891 | 44.000             | 50.000            | -12.0 |
| Tetrachloro-m-xylene | 3.707 | 3.610                | 3.810 | 47.810             | 50.000            | -4.4  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/06/2024 12/06/2024

Client Sample No.: CCAL02 Date Analyzed: 12/16/2024

Lab Sample No.: AR1660CCC500 Data File : PO108568.D Time Analyzed: 20:54

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.792 | 4.698                | 4.898 | 535.410            | 500.000           | 7.1  |
| Aroclor-1016-2       | 4.811 | 4.718                | 4.918 | 532.240            | 500.000           | 6.4  |
| Aroclor-1016-3       | 4.987 | 4.894                | 5.094 | 526.070            | 500.000           | 5.2  |
| Aroclor-1016-4       | 5.028 | 4.935                | 5.135 | 519.220            | 500.000           | 3.8  |
| Aroclor-1016-5       | 5.242 | 5.150                | 5.350 | 543.930            | 500.000           | 8.8  |
| Aroclor-1260-1       | 6.277 | 6.186                | 6.386 | 542.650            | 500.000           | 8.5  |
| Aroclor-1260-2       | 6.463 | 6.373                | 6.573 | 543.530            | 500.000           | 8.7  |
| Aroclor-1260-3       | 6.617 | 6.527                | 6.727 | 543.470            | 500.000           | 8.7  |
| Aroclor-1260-4       | 7.089 | 7.000                | 7.200 | 563.980            | 500.000           | 12.8 |
| Aroclor-1260-5       | 7.328 | 7.239                | 7.439 | 562.740            | 500.000           | 12.5 |
| Decachlorobiphenyl   | 8.724 | 8.641                | 8.841 | 52.510             | 50.000            | 5.0  |
| Tetrachloro-m-xylene | 3.705 | 3.608                | 3.808 | 52.990             | 50.000            | 6.0  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
 Data File : PO108568.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Dec 2024 20:54  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 17 00:31:37 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 05:58:15 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.707 | 3.705 | 416.0E6 | 268.6E6  | 47.811  | 52.990  |
| 2) SA Decachlor...          | 8.775 | 8.724 | 321.4E6 | 203.5E6  | 44.000  | 52.508  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.804 | 4.792 | 146.6E6 | 85920253 | 475.406 | 535.414 |
| 4) L1 AR-1016-2             | 4.824 | 4.811 | 199.2E6 | 118.2E6  | 477.157 | 532.241 |
| 5) L1 AR-1016-3             | 4.879 | 4.987 | 140.0E6 | 66197705 | 478.372 | 526.073 |
| 6) L1 AR-1016-4             | 5.001 | 5.028 | 110.7E6 | 54417501 | 478.961 | 519.222 |
| 7) L1 AR-1016-5             | 5.259 | 5.242 | 121.1E6 | 73545426 | 481.364 | 543.931 |
| 31) L7 AR-1260-1            | 6.301 | 6.277 | 216.4E6 | 127.0E6  | 473.433 | 542.647 |
| 32) L7 AR-1260-2            | 6.489 | 6.463 | 262.1E6 | 152.5E6  | 471.623 | 543.532 |
| 33) L7 AR-1260-3            | 6.859 | 6.617 | 219.0E6 | 143.2E6  | 472.372 | 543.466 |
| 34) L7 AR-1260-4            | 7.119 | 7.089 | 197.2E6 | 120.0E6  | 463.630 | 563.976 |
| 35) L7 AR-1260-5            | 7.360 | 7.328 | 457.1E6 | 272.3E6  | 470.334 | 562.740 |
| -----                       |       |       |         |          |         |         |

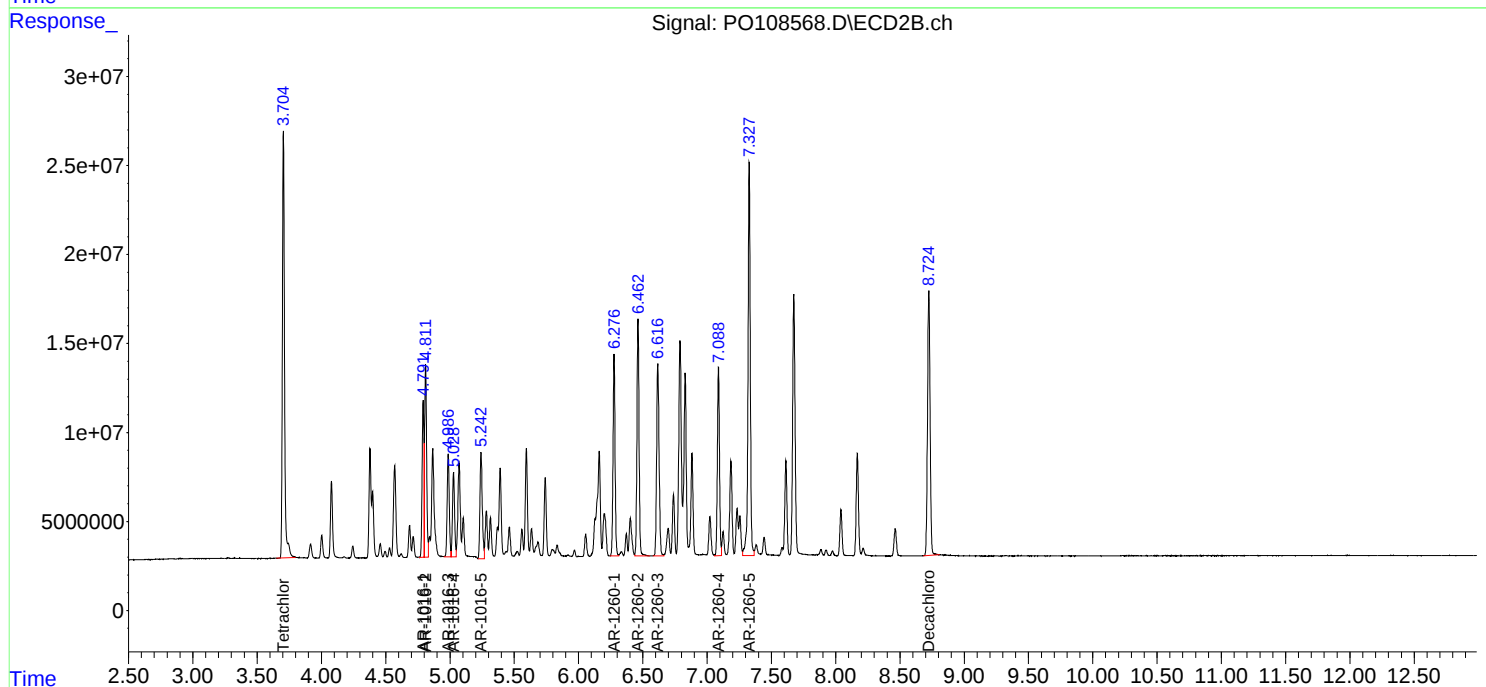
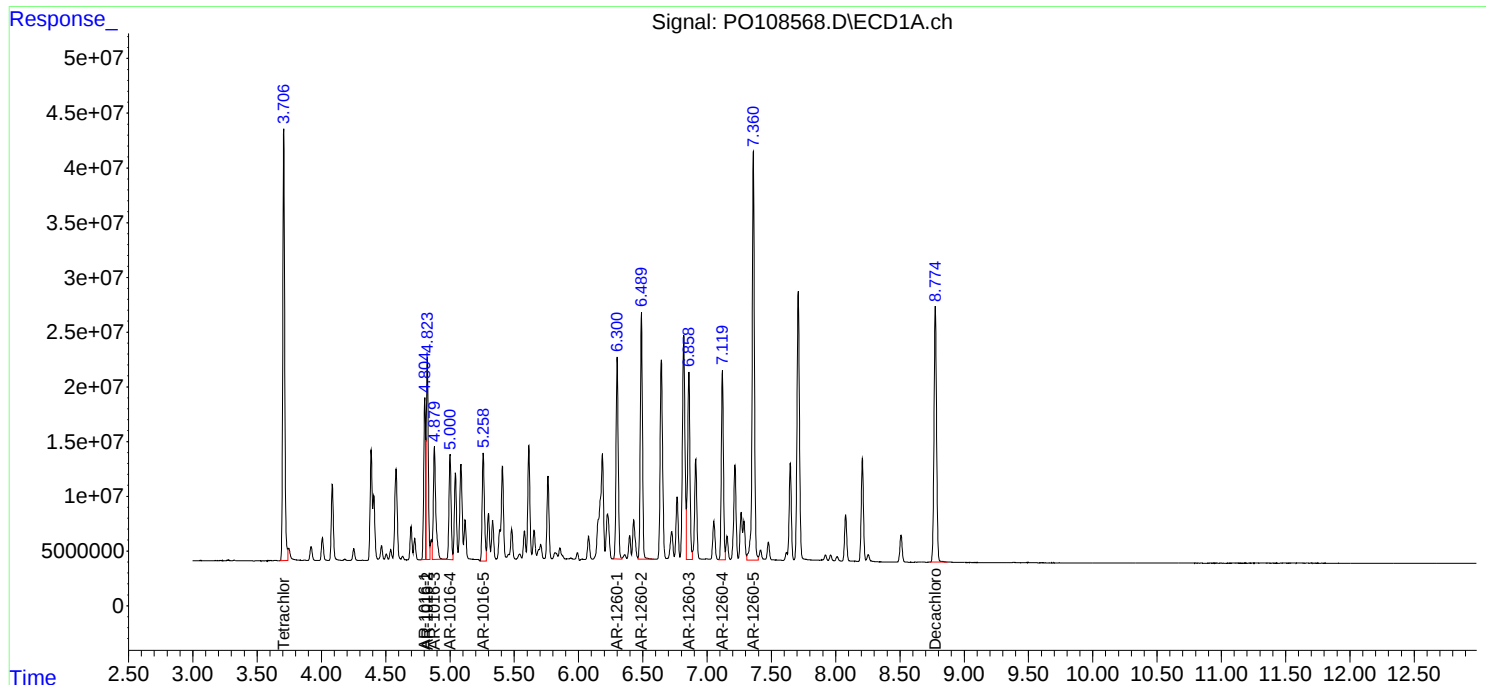
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

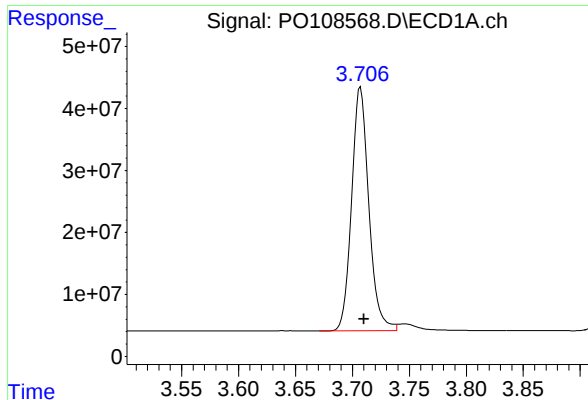
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108568.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 20:54  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:31:37 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

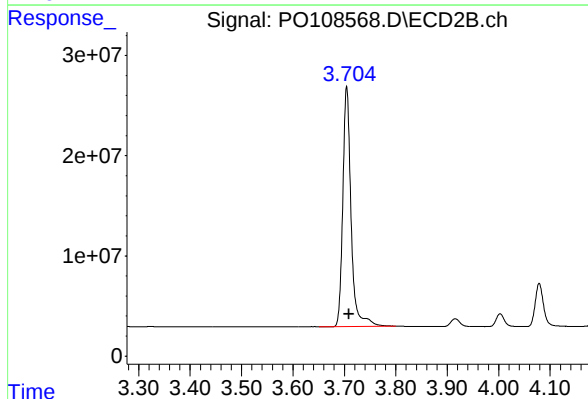




## #1 Tetrachloro-m-xylene

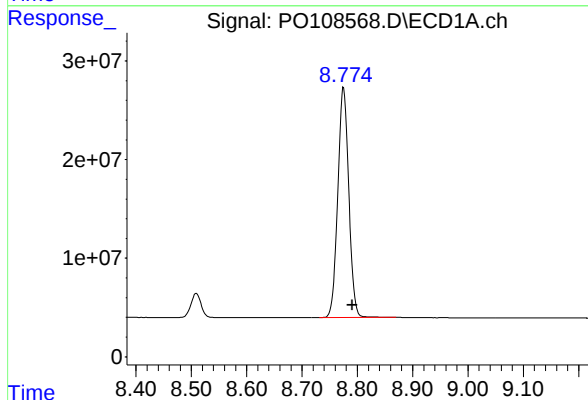
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 415965256  
Conc: 47.81 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



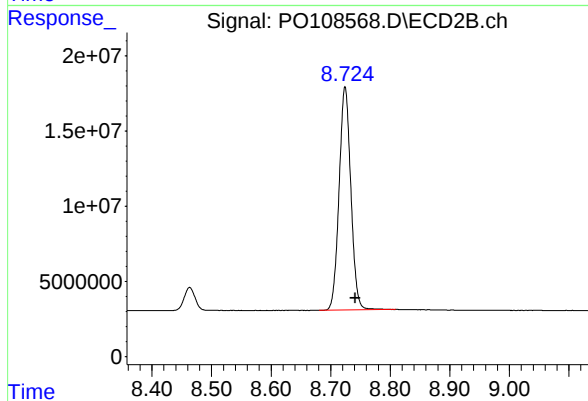
## #1 Tetrachloro-m-xylene

R.T.: 3.705 min  
Delta R.T.: -0.004 min  
Response: 268627315  
Conc: 52.99 ng/ml



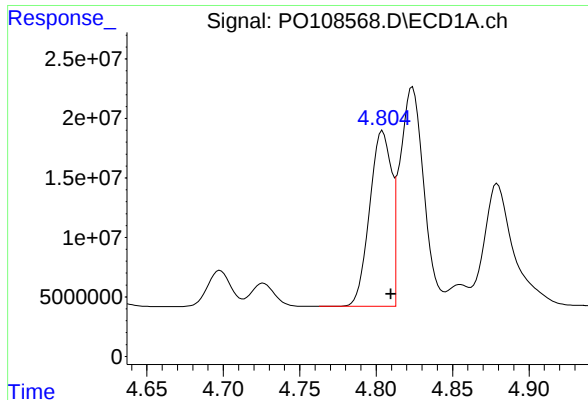
## #2 Decachlorobiphenyl

R.T.: 8.775 min  
Delta R.T.: -0.016 min  
Response: 321379011  
Conc: 44.00 ng/ml



## #2 Decachlorobiphenyl

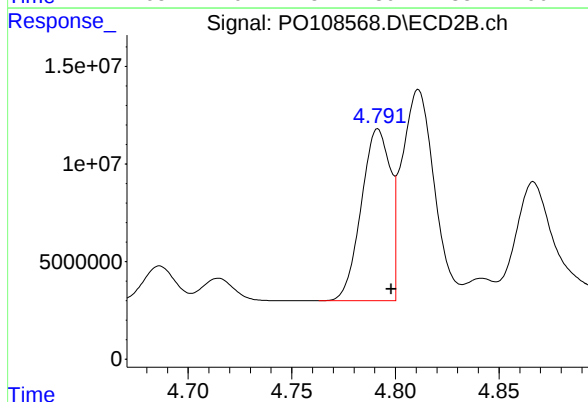
R.T.: 8.724 min  
Delta R.T.: -0.017 min  
Response: 203465743  
Conc: 52.51 ng/ml



#3 AR-1016-1

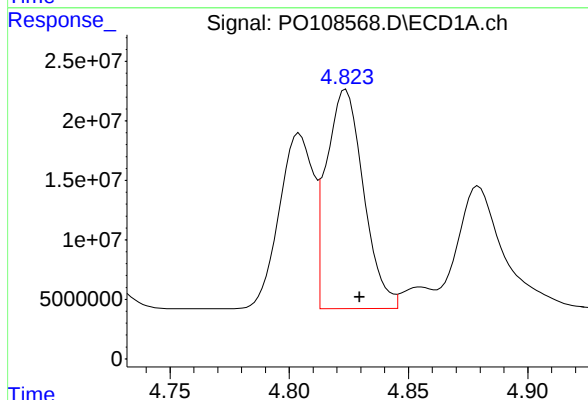
R.T.: 4.804 min  
Delta R.T.: -0.005 min  
Response: 146635968  
Conc: 475.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



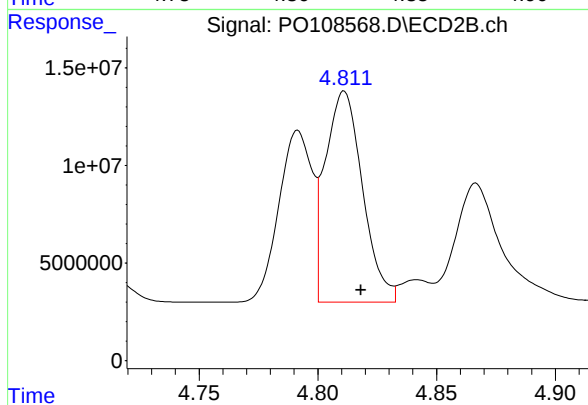
#3 AR-1016-1

R.T.: 4.792 min  
Delta R.T.: -0.007 min  
Response: 85920253  
Conc: 535.41 ng/ml



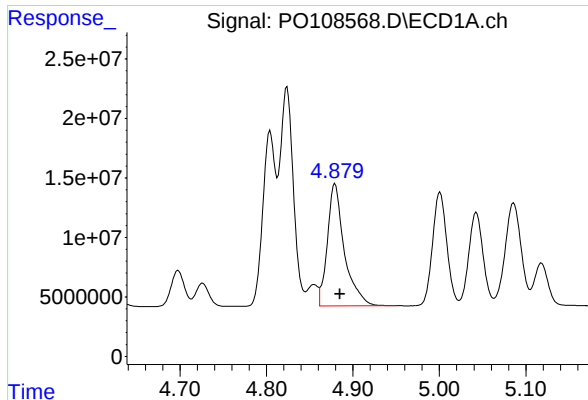
#4 AR-1016-2

R.T.: 4.824 min  
Delta R.T.: -0.006 min  
Response: 199174708  
Conc: 477.16 ng/ml



#4 AR-1016-2

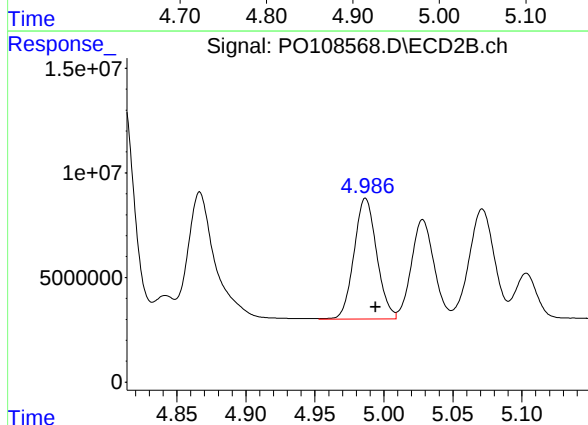
R.T.: 4.811 min  
Delta R.T.: -0.007 min  
Response: 118206929  
Conc: 532.24 ng/ml



#5 AR-1016-3

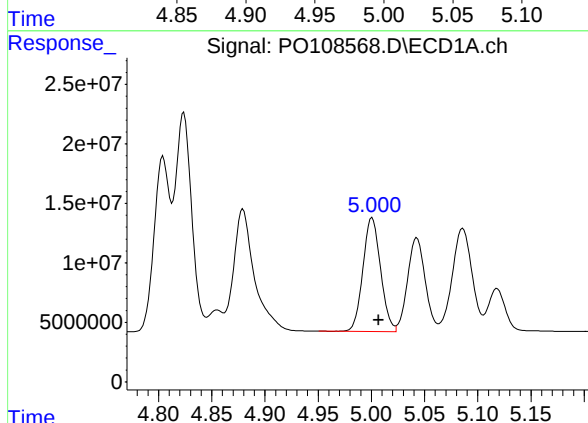
R.T.: 4.879 min  
Delta R.T.: -0.006 min  
Response: 139986705  
Conc: 478.37 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



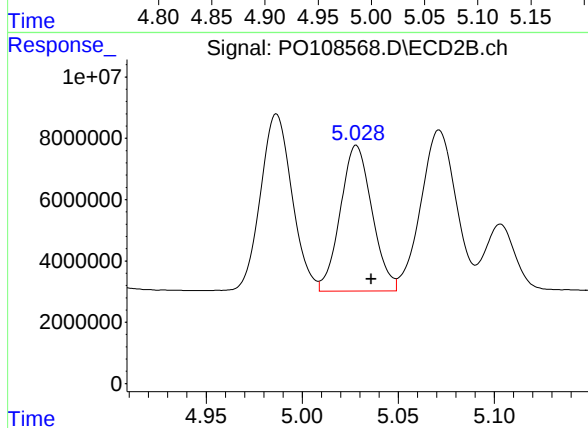
#5 AR-1016-3

R.T.: 4.987 min  
Delta R.T.: -0.007 min  
Response: 66197705  
Conc: 526.07 ng/ml



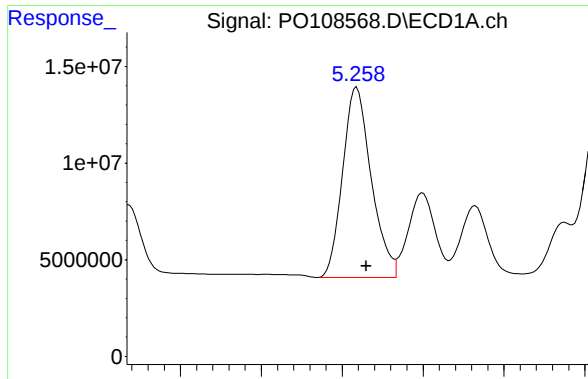
#6 AR-1016-4

R.T.: 5.001 min  
Delta R.T.: -0.006 min  
Response: 110724684  
Conc: 478.96 ng/ml



#6 AR-1016-4

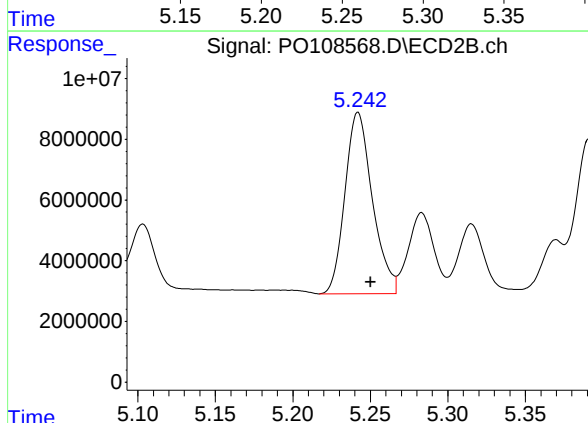
R.T.: 5.028 min  
Delta R.T.: -0.008 min  
Response: 54417501  
Conc: 519.22 ng/ml



#7 AR-1016-5

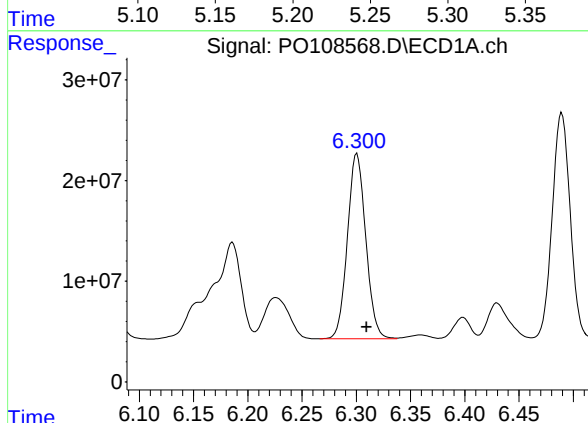
R.T.: 5.259 min  
Delta R.T.: -0.006 min  
Response: 121144907  
Conc: 481.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



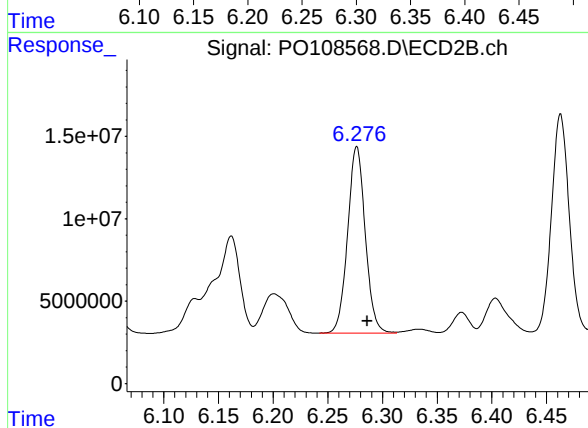
#7 AR-1016-5

R.T.: 5.242 min  
Delta R.T.: -0.008 min  
Response: 73545426  
Conc: 543.93 ng/ml



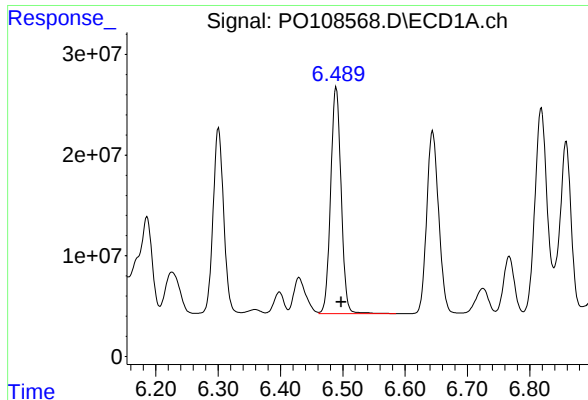
#31 AR-1260-1

R.T.: 6.301 min  
Delta R.T.: -0.009 min  
Response: 216427197  
Conc: 473.43 ng/ml



#31 AR-1260-1

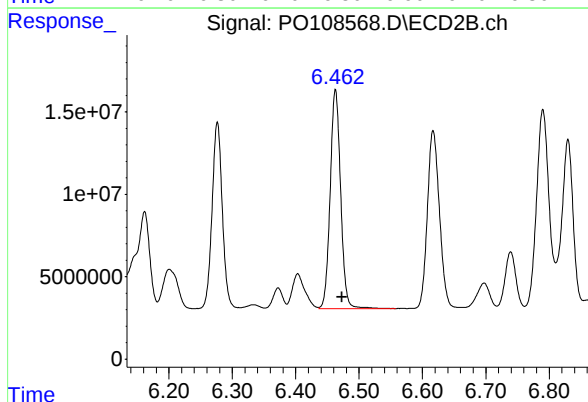
R.T.: 6.277 min  
Delta R.T.: -0.010 min  
Response: 126998557  
Conc: 542.65 ng/ml



#32 AR-1260-2

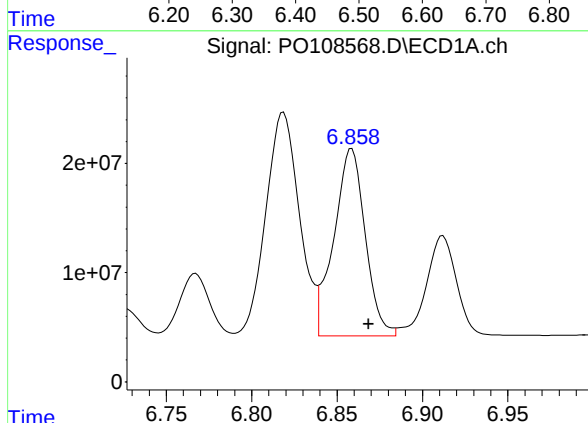
R.T.: 6.489 min  
Delta R.T.: -0.008 min  
Response: 262089877  
Conc: 471.62 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



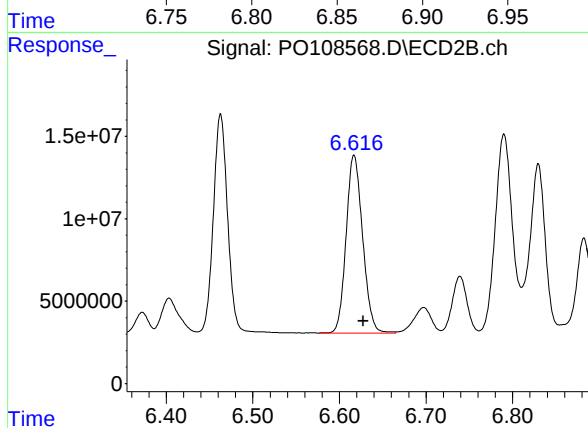
#32 AR-1260-2

R.T.: 6.463 min  
Delta R.T.: -0.011 min  
Response: 152497452  
Conc: 543.53 ng/ml



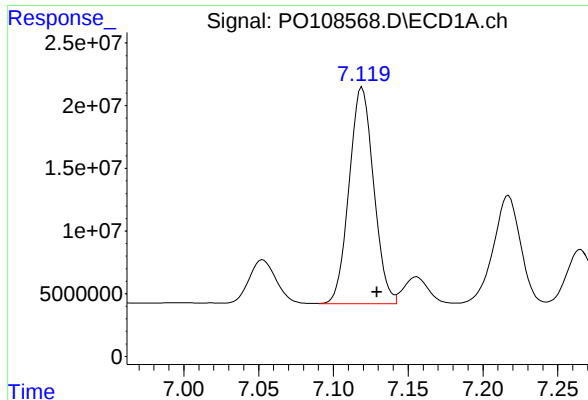
#33 AR-1260-3

R.T.: 6.859 min  
Delta R.T.: -0.010 min  
Response: 219028460  
Conc: 472.37 ng/ml



#33 AR-1260-3

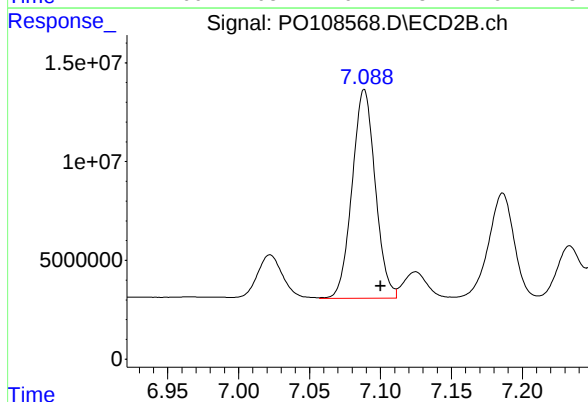
R.T.: 6.617 min  
Delta R.T.: -0.011 min  
Response: 143240302  
Conc: 543.47 ng/ml



#34 AR-1260-4

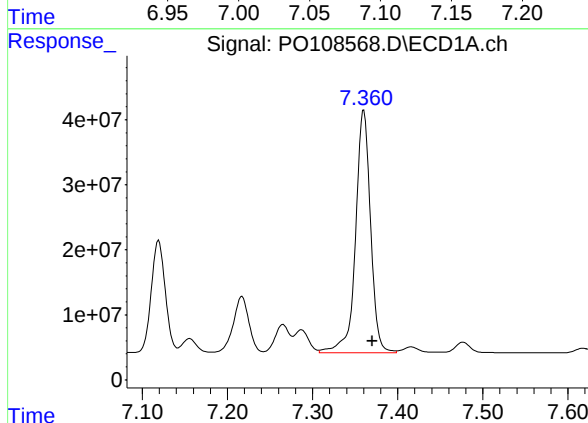
R.T.: 7.119 min  
Delta R.T.: -0.010 min  
Response: 197200562  
Conc: 463.63 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500



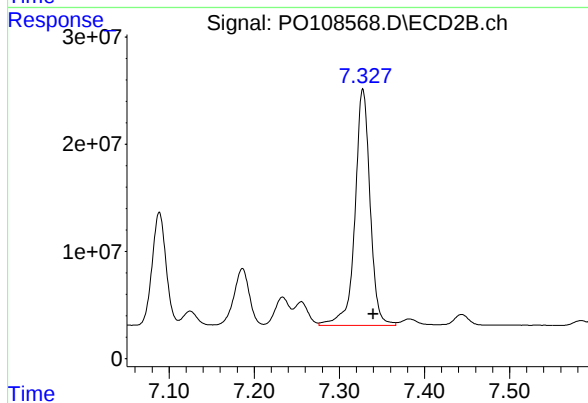
#34 AR-1260-4

R.T.: 7.089 min  
Delta R.T.: -0.011 min  
Response: 119985963  
Conc: 563.98 ng/ml



#35 AR-1260-5

R.T.: 7.360 min  
Delta R.T.: -0.010 min  
Response: 457109856  
Conc: 470.33 ng/ml



#35 AR-1260-5

R.T.: 7.328 min  
Delta R.T.: -0.012 min  
Response: 272328557  
Conc: 562.74 ng/ml

## Analytical Sequence

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** P5283

**Project:** CTO WE13

**Instrument ID:** ECD\_O

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 12/06/2024

12/06/2024

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 # |
|-------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK                    | IBLK             | 12/06/2024       | 14:01            | PO108361.D | 8.79        | 3.71        |
| AR1660ICC1000           | AR1660ICC1000    | 12/06/2024       | 14:19            | PO108362.D | 8.79        | 3.71        |
| AR1660ICC750            | AR1660ICC750     | 12/06/2024       | 14:38            | PO108363.D | 8.79        | 3.71        |
| AR1660ICC500            | AR1660ICC500     | 12/06/2024       | 14:56            | PO108364.D | 8.79        | 3.71        |
| AR1660ICC250            | AR1660ICC250     | 12/06/2024       | 15:14            | PO108365.D | 8.79        | 3.71        |
| AR1660ICC050            | AR1660ICC050     | 12/06/2024       | 15:33            | PO108366.D | 8.79        | 3.71        |
| AR1221ICC500            | AR1221ICC500     | 12/06/2024       | 15:51            | PO108367.D | 8.79        | 3.71        |
| AR1232ICC500            | AR1232ICC500     | 12/06/2024       | 16:09            | PO108368.D | 8.79        | 3.71        |
| AR1242ICC1000           | AR1242ICC1000    | 12/06/2024       | 16:28            | PO108369.D | 8.79        | 3.71        |
| AR1242ICC750            | AR1242ICC750     | 12/06/2024       | 16:46            | PO108370.D | 8.79        | 3.71        |
| AR1242ICC500            | AR1242ICC500     | 12/06/2024       | 17:04            | PO108371.D | 8.79        | 3.71        |
| AR1242ICC250            | AR1242ICC250     | 12/06/2024       | 17:23            | PO108372.D | 8.79        | 3.71        |
| AR1242ICC050            | AR1242ICC050     | 12/06/2024       | 17:41            | PO108373.D | 8.79        | 3.71        |
| AR1248ICC1000           | AR1248ICC1000    | 12/06/2024       | 17:59            | PO108374.D | 8.79        | 3.71        |
| AR1248ICC750            | AR1248ICC750     | 12/06/2024       | 18:18            | PO108375.D | 8.79        | 3.71        |
| AR1248ICC500            | AR1248ICC500     | 12/06/2024       | 18:36            | PO108376.D | 8.79        | 3.71        |
| AR1248ICC250            | AR1248ICC250     | 12/06/2024       | 18:54            | PO108377.D | 8.79        | 3.71        |
| AR1248ICC050            | AR1248ICC050     | 12/06/2024       | 19:13            | PO108378.D | 8.79        | 3.71        |
| AR1254ICC1000           | AR1254ICC1000    | 12/06/2024       | 19:31            | PO108379.D | 8.79        | 3.71        |
| AR1254ICC750            | AR1254ICC750     | 12/06/2024       | 19:49            | PO108380.D | 8.79        | 3.71        |
| AR1254ICC500            | AR1254ICC500     | 12/06/2024       | 20:08            | PO108381.D | 8.79        | 3.71        |
| AR1254ICC250            | AR1254ICC250     | 12/06/2024       | 20:26            | PO108382.D | 8.79        | 3.71        |
| AR1254ICC050            | AR1254ICC050     | 12/06/2024       | 20:44            | PO108383.D | 8.79        | 3.71        |
| AR1262ICC500            | AR1262ICC500     | 12/06/2024       | 21:03            | PO108384.D | 8.79        | 3.71        |
| AR1268ICC1000           | AR1268ICC1000    | 12/06/2024       | 21:21            | PO108385.D | 8.79        | 3.71        |
| AR1268ICC750            | AR1268ICC750     | 12/06/2024       | 21:39            | PO108386.D | 8.79        | 3.71        |
| AR1268ICC500            | AR1268ICC500     | 12/06/2024       | 21:58            | PO108387.D | 8.79        | 3.71        |
| AR1268ICC250            | AR1268ICC250     | 12/06/2024       | 22:16            | PO108388.D | 8.79        | 3.71        |
| AR1268ICC050            | AR1268ICC050     | 12/06/2024       | 22:34            | PO108389.D | 8.79        | 3.71        |
| AR1660CCC500            | AR1660CCC500     | 12/16/2024       | 16:27            | PO108555.D | 8.78        | 3.71        |
| IBLK                    | IBLK             | 12/16/2024       | 17:40            | PO108559.D | 8.78        | 3.71        |
| PB165649BL              | PB165649BL       | 12/16/2024       | 18:17            | PO108561.D | 8.78        | 3.71        |
| PB165649BS              | PB165649BS       | 12/16/2024       | 18:35            | PO108562.D | 8.77        | 3.71        |
| PB165649BSD             | PB165649BSD      | 12/16/2024       | 18:54            | PO108563.D | 8.77        | 3.71        |
| TT-RW10A-IDWGW-20241213 | P5283-02         | 12/16/2024       | 19:12            | PO108564.D | 8.78        | 3.71        |
| AR1660CCC500            | AR1660CCC500     | 12/16/2024       | 20:54            | PO108568.D | 8.78        | 3.71        |
| IBLK                    | IBLK             | 12/16/2024       | 22:07            | PO108572.D | 8.77        | 3.71        |

## Analytical Sequence

**Client:** Tetra Tech NUS, Inc.

**SDG No.:** P5283

**Project:** CTO WE13

**Instrument ID:** ECD\_O

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 12/06/2024

12/06/2024

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 # |
|-------------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK                    | IBLK             | 12/06/2024       | 14:01            | PO108361.D | 8.74        | 3.71        |
| AR1660ICC1000           | AR1660ICC1000    | 12/06/2024       | 14:19            | PO108362.D | 8.74        | 3.71        |
| AR1660ICC750            | AR1660ICC750     | 12/06/2024       | 14:38            | PO108363.D | 8.74        | 3.71        |
| AR1660ICC500            | AR1660ICC500     | 12/06/2024       | 14:56            | PO108364.D | 8.74        | 3.71        |
| AR1660ICC250            | AR1660ICC250     | 12/06/2024       | 15:14            | PO108365.D | 8.74        | 3.71        |
| AR1660ICC050            | AR1660ICC050     | 12/06/2024       | 15:33            | PO108366.D | 8.74        | 3.71        |
| AR1221ICC500            | AR1221ICC500     | 12/06/2024       | 15:51            | PO108367.D | 8.74        | 3.71        |
| AR1232ICC500            | AR1232ICC500     | 12/06/2024       | 16:09            | PO108368.D | 8.74        | 3.71        |
| AR1242ICC1000           | AR1242ICC1000    | 12/06/2024       | 16:28            | PO108369.D | 8.74        | 3.71        |
| AR1242ICC750            | AR1242ICC750     | 12/06/2024       | 16:46            | PO108370.D | 8.74        | 3.71        |
| AR1242ICC500            | AR1242ICC500     | 12/06/2024       | 17:04            | PO108371.D | 8.74        | 3.71        |
| AR1242ICC250            | AR1242ICC250     | 12/06/2024       | 17:23            | PO108372.D | 8.74        | 3.71        |
| AR1242ICC050            | AR1242ICC050     | 12/06/2024       | 17:41            | PO108373.D | 8.74        | 3.71        |
| AR1248ICC1000           | AR1248ICC1000    | 12/06/2024       | 17:59            | PO108374.D | 8.74        | 3.71        |
| AR1248ICC750            | AR1248ICC750     | 12/06/2024       | 18:18            | PO108375.D | 8.74        | 3.71        |
| AR1248ICC500            | AR1248ICC500     | 12/06/2024       | 18:36            | PO108376.D | 8.74        | 3.71        |
| AR1248ICC250            | AR1248ICC250     | 12/06/2024       | 18:54            | PO108377.D | 8.74        | 3.71        |
| AR1248ICC050            | AR1248ICC050     | 12/06/2024       | 19:13            | PO108378.D | 8.74        | 3.71        |
| AR1254ICC1000           | AR1254ICC1000    | 12/06/2024       | 19:31            | PO108379.D | 8.74        | 3.71        |
| AR1254ICC750            | AR1254ICC750     | 12/06/2024       | 19:49            | PO108380.D | 8.74        | 3.71        |
| AR1254ICC500            | AR1254ICC500     | 12/06/2024       | 20:08            | PO108381.D | 8.74        | 3.71        |
| AR1254ICC250            | AR1254ICC250     | 12/06/2024       | 20:26            | PO108382.D | 8.74        | 3.71        |
| AR1254ICC050            | AR1254ICC050     | 12/06/2024       | 20:44            | PO108383.D | 8.74        | 3.71        |
| AR1262ICC500            | AR1262ICC500     | 12/06/2024       | 21:03            | PO108384.D | 8.74        | 3.71        |
| AR1268ICC1000           | AR1268ICC1000    | 12/06/2024       | 21:21            | PO108385.D | 8.74        | 3.71        |
| AR1268ICC750            | AR1268ICC750     | 12/06/2024       | 21:39            | PO108386.D | 8.74        | 3.71        |
| AR1268ICC500            | AR1268ICC500     | 12/06/2024       | 21:58            | PO108387.D | 8.74        | 3.71        |
| AR1268ICC250            | AR1268ICC250     | 12/06/2024       | 22:16            | PO108388.D | 8.74        | 3.71        |
| AR1268ICC050            | AR1268ICC050     | 12/06/2024       | 22:34            | PO108389.D | 8.74        | 3.71        |
| AR1660CCC500            | AR1660CCC500     | 12/16/2024       | 16:27            | PO108555.D | 8.73        | 3.70        |
| IBLK                    | IBLK             | 12/16/2024       | 17:40            | PO108559.D | 8.72        | 3.70        |
| PB165649BL              | PB165649BL       | 12/16/2024       | 18:17            | PO108561.D | 8.72        | 3.70        |
| PB165649BS              | PB165649BS       | 12/16/2024       | 18:35            | PO108562.D | 8.72        | 3.70        |
| PB165649BSD             | PB165649BSD      | 12/16/2024       | 18:54            | PO108563.D | 8.73        | 3.70        |
| TT-RW10A-IDWGW-20241213 | P5283-02         | 12/16/2024       | 19:12            | PO108564.D | 8.72        | 3.71        |
| AR1660CCC500            | AR1660CCC500     | 12/16/2024       | 20:54            | PO108568.D | 8.72        | 3.71        |
| IBLK                    | IBLK             | 12/16/2024       | 22:07            | PO108572.D | 8.72        | 3.70        |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165649BS

Contract: TETRO6

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab Sample ID: PB165649BS Date(s) Analyzed: 12/16/2024 12/16/2024

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO108562.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 4.804 | 4.754     | 4.854 | 4.20          | 4.20                  | 9.09 |
| COLUMN 1     | 2   | 4.824 | 4.774     | 4.874 | 4.21          |                       |      |
|              | 3   | 4.88  | 4.83      | 4.93  | 4.19          |                       |      |
|              | 4   | 5.001 | 4.951     | 5.051 | 4.19          |                       |      |
|              | 5   | 5.258 | 5.208     | 5.308 | 4.05          |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 4.791 | 4.741     | 4.841 | 4.67          | 4.60                  |      |
|              | 2   | 4.811 | 4.761     | 4.861 | 4.69          |                       |      |
|              | 3   | 4.987 | 4.937     | 5.037 | 4.60          |                       |      |
|              | 4   | 5.028 | 4.978     | 5.078 | 4.57          |                       |      |
|              | 5   | 5.242 | 5.192     | 5.292 | 4.50          |                       |      |
|              |     |       |           |       |               |                       |      |
| Aroclor-1260 | 1   | 6.302 | 6.252     | 6.352 | 4.30          | 3.90                  | 18.6 |
| COLUMN 1     | 2   | 6.49  | 6.44      | 6.54  | 4.22          |                       |      |
|              | 3   | 6.86  | 6.81      | 6.91  | 3.58          |                       |      |
|              | 4   | 7.12  | 7.07      | 7.17  | 3.73          |                       |      |
|              | 5   | 7.36  | 7.31      | 7.41  | 3.90          |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 6.276 | 6.226     | 6.326 | 4.96          | 4.70                  |      |
|              | 2   | 6.463 | 6.413     | 6.513 | 4.90          |                       |      |
|              | 3   | 6.617 | 6.567     | 6.667 | 4.92          |                       |      |
|              | 4   | 7.089 | 7.039     | 7.139 | 4.39          |                       |      |
|              | 5   | 7.327 | 7.277     | 7.377 | 4.49          |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB165649BSD

Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG NO.: P5283

Lab Sample ID: PB165649BSD Date(s) Analyzed: 12/16/2024 12/16/2024

Instrument ID (1): ECD\_O Instrument ID (2): ECD\_O

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

Data file PO108563.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD  |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|-------|
|              |     |       | FROM      | TO    |               |                       |       |
| Aroclor-1016 | 1   | 4.803 | 4.753     | 4.853 | 4.22          | 4.20                  | 9.09  |
| COLUMN 1     | 2   | 4.824 | 4.774     | 4.874 | 4.20          |                       |       |
|              | 3   | 4.879 | 4.829     | 4.929 | 4.20          |                       |       |
|              | 4   | 5     | 4.95      | 5.05  | 4.19          |                       |       |
|              | 5   | 5.259 | 5.209     | 5.309 | 4.08          |                       |       |
|              |     |       |           |       |               |                       |       |
| COLUMN 2     | 1   | 4.791 | 4.741     | 4.841 | 4.71          | 4.60                  |       |
|              | 2   | 4.811 | 4.761     | 4.861 | 4.67          |                       |       |
|              | 3   | 4.986 | 4.936     | 5.036 | 4.63          |                       |       |
|              | 4   | 5.028 | 4.978     | 5.078 | 4.57          |                       |       |
|              | 5   | 5.241 | 5.191     | 5.291 | 4.51          |                       |       |
| Aroclor-1260 | 1   | 6.301 | 6.251     | 6.351 | 4.35          | 4.00                  | 18.18 |
| COLUMN 1     | 2   | 6.49  | 6.44      | 6.54  | 4.26          |                       |       |
|              | 3   | 6.859 | 6.809     | 6.909 | 3.61          |                       |       |
|              | 4   | 7.12  | 7.07      | 7.17  | 3.70          |                       |       |
|              | 5   | 7.361 | 7.311     | 7.411 | 3.90          |                       |       |
|              |     |       |           |       |               |                       |       |
| COLUMN 2     | 1   | 6.276 | 6.226     | 6.326 | 4.98          | 4.80                  |       |
|              | 2   | 6.463 | 6.413     | 6.513 | 4.92          |                       |       |
|              | 3   | 6.616 | 6.566     | 6.666 | 4.96          |                       |       |
|              | 4   | 7.088 | 7.038     | 7.138 | 4.42          |                       |       |
|              | 5   | 7.328 | 7.278     | 7.378 | 4.50          |                       |       |
|              |     |       |           |       |               |                       |       |



# 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:            | Tetra Tech NUS, Inc.   | Date Collected:    |                  |
| Project:           | CTO WE13               | Date Received:     |                  |
| Client Sample ID:  | PB165649BL             | SDG No.:           | P5283            |
| Lab Sample ID:     | PB165649BL             | Matrix:            | WATER            |
| Analytical Method: | SW8082A                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                     | Test:              | PCB              |
| Extraction Type:   |                        | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :          |                    |                  |
| Prep Method :      | 3510C                  |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO108561.D        | 1         | 12/16/24 08:50 | 12/16/24 18:17 | PB165649      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 18.8  |           | 35 - 137 |      | 94%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.3  |           | 40 - 135 |      | 106%       | 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\PO121624\  
 Data File : PO108561.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Dec 2024 18:17  
 Operator : YP/AJ  
 Sample : PB165649BL  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 PB165649BL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 17 00:29:20 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 05:58:15 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.706 | 3.703 | 154.8E6 | 95480304 | 17.795 | 18.835 |
| 2) SA Decachlor...          | 8.776 | 8.724 | 131.8E6 | 82461828 | 18.041 | 21.281 |

Target Compounds

-----

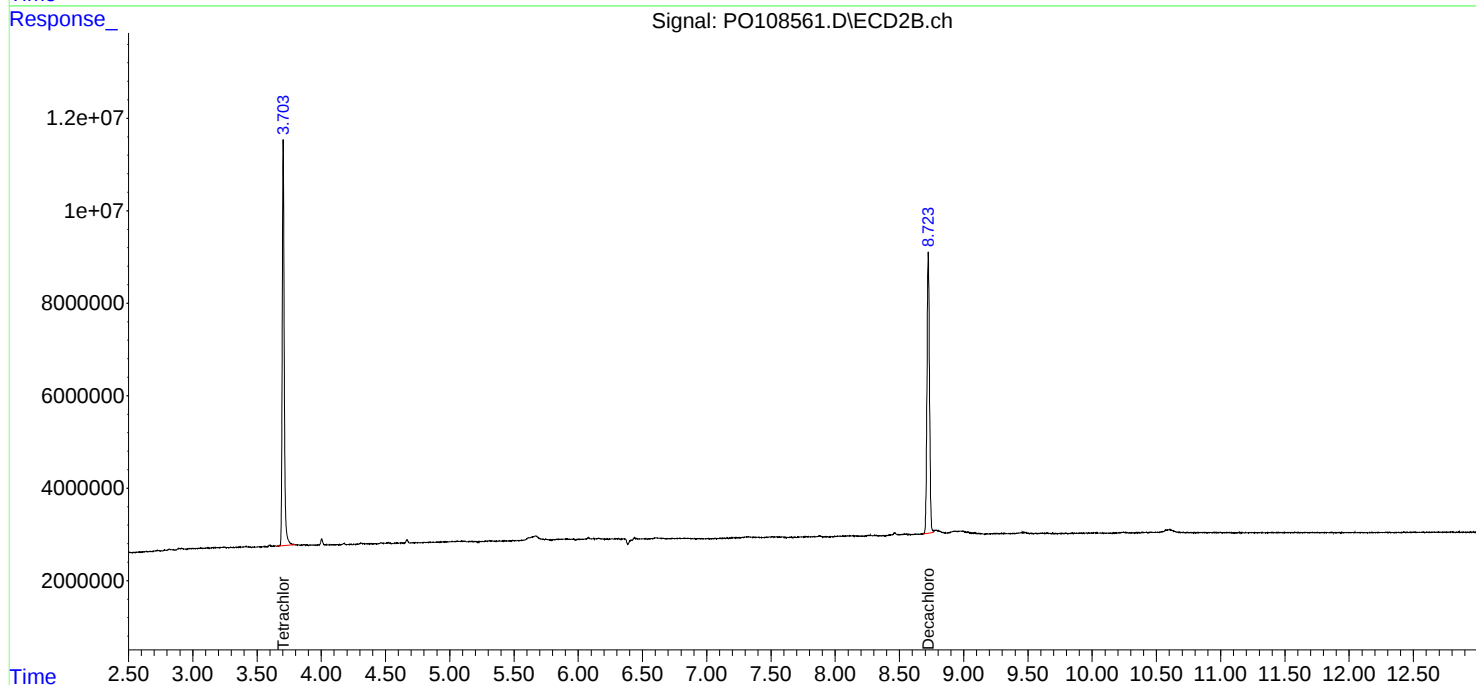
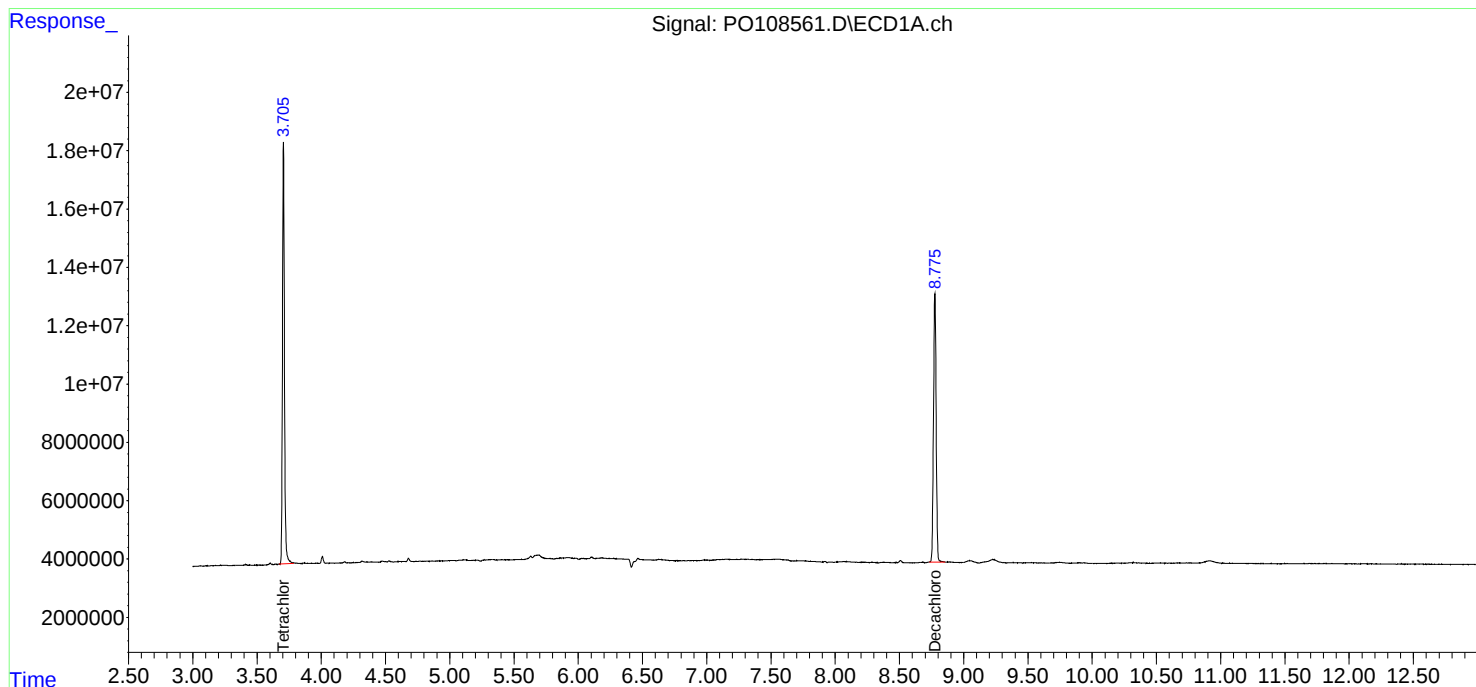
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

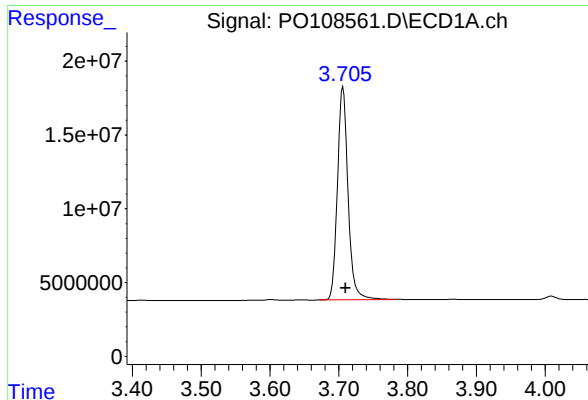
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108561.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 18:17  
Operator : YP/AJ  
Sample : PB165649BL  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:29:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

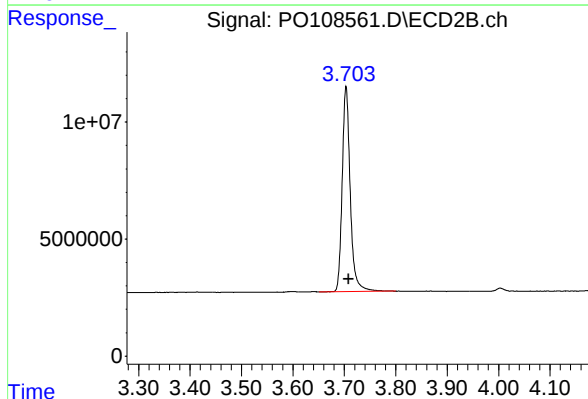




## #1 Tetrachloro-m-xylene

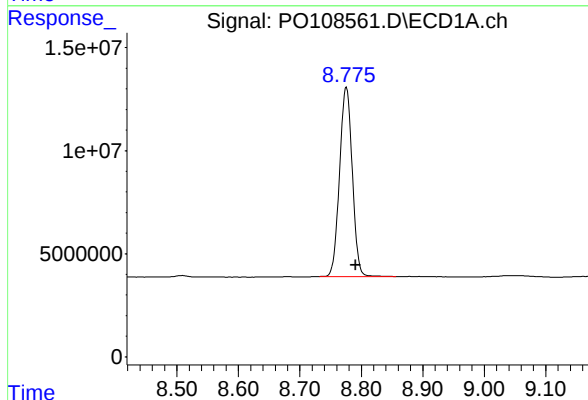
R.T.: 3.706 min  
Delta R.T.: -0.004 min  
Response: 154816562  
Conc: 17.79 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BL



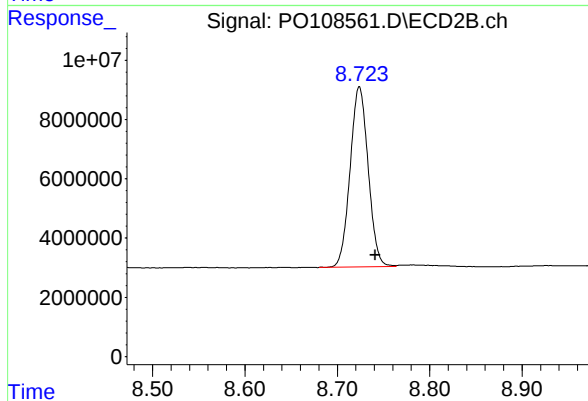
## #1 Tetrachloro-m-xylene

R.T.: 3.703 min  
Delta R.T.: -0.005 min  
Response: 95480304  
Conc: 18.83 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.776 min  
Delta R.T.: -0.015 min  
Response: 131769787  
Conc: 18.04 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.724 min  
Delta R.T.: -0.018 min  
Response: 82461828  
Conc: 21.28 ng/ml

## Report of Analysis

|                    |                      |                    |          |
|--------------------|----------------------|--------------------|----------|
| Client:            | Tetra Tech NUS, Inc. | Date Collected:    | 12/06/24 |
| Project:           | CTO WE13             | Date Received:     | 12/06/24 |
| Client Sample ID:  | PIBLK-PO108361.D     | SDG No.:           | P5283    |
| Lab Sample ID:     | I.BLK-PO108361.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 |
| PO108361.D        | 1         |           | 12/06/24      | PO120624      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.6  |           | 60 - 140 |      | 108%       | 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\PO120624\  
Data File : PO108361.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:01  
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: Dec 07 06:00:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.711 | 3.708 | 199.9E6 | 109.7E6  | 22.973 | 21.649 |
| 2) SA Decachlor...          | 8.790 | 8.741 | 172.3E6 | 91294392 | 23.583 | 23.560 |

Target Compounds

-----

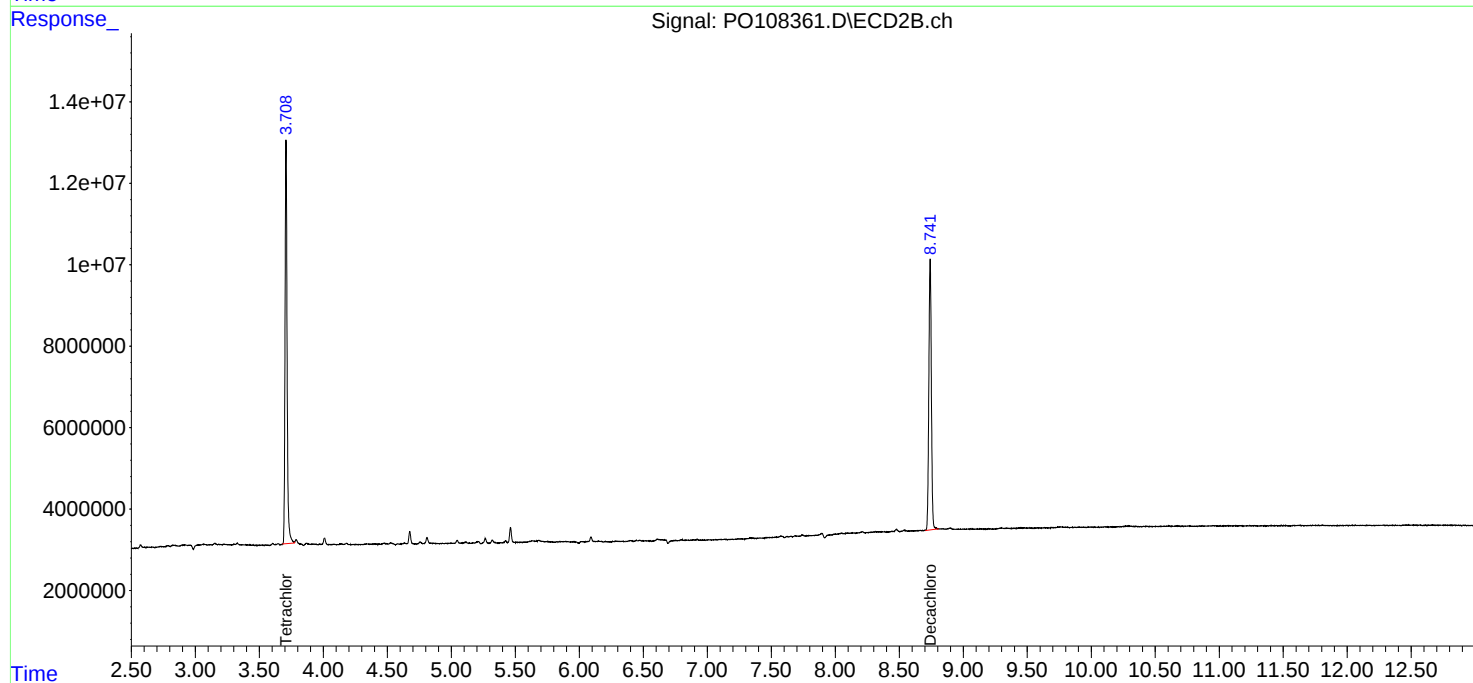
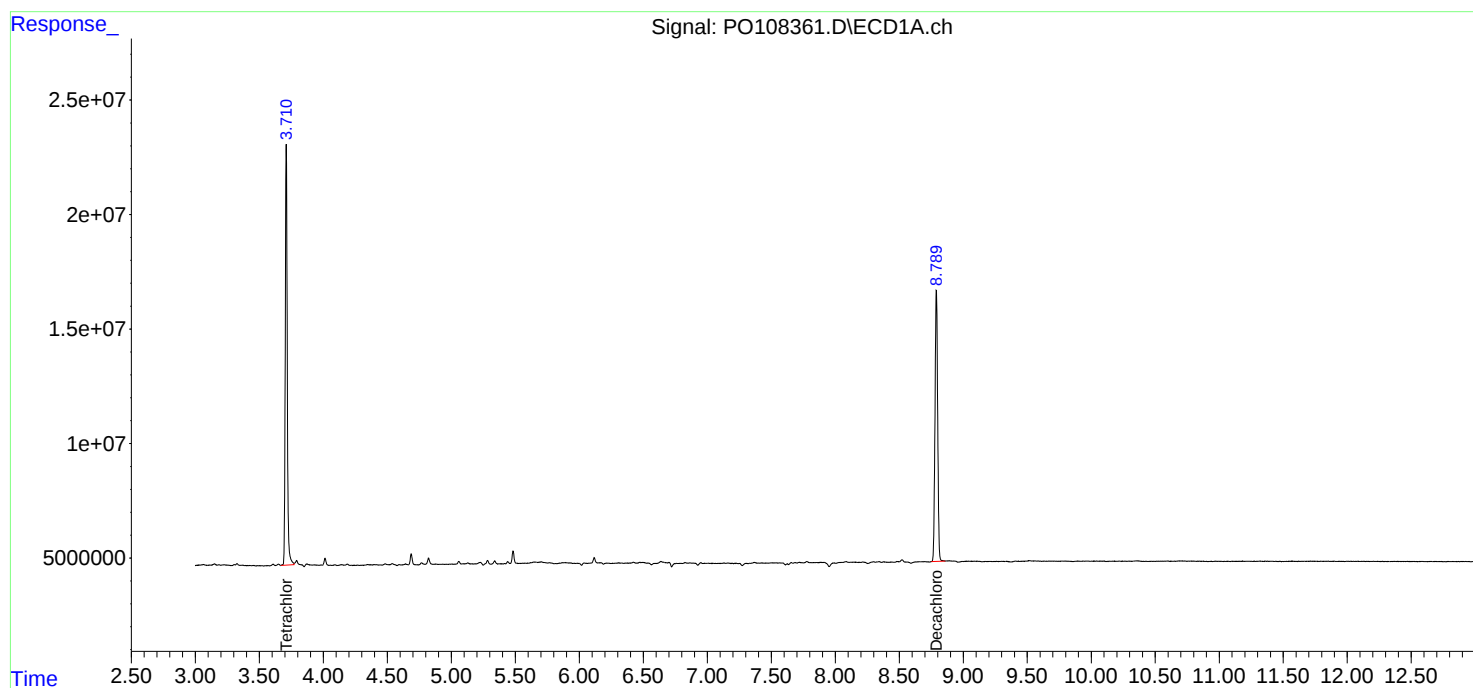
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

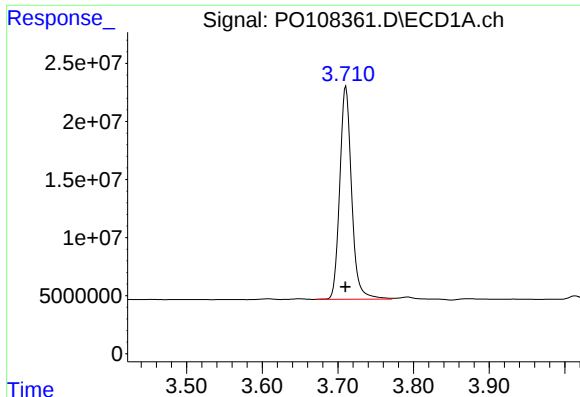
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108361.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 14:01  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 06:00:25 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

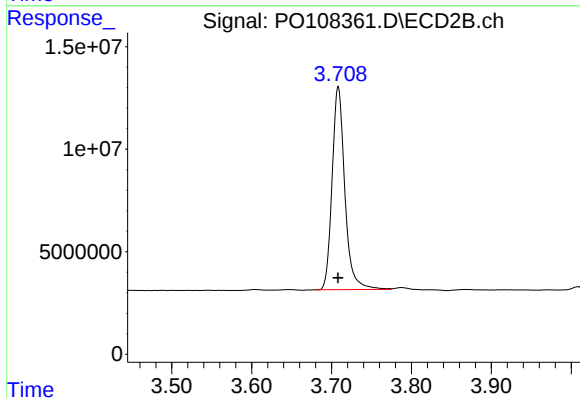




## #1 Tetrachloro-m-xylene

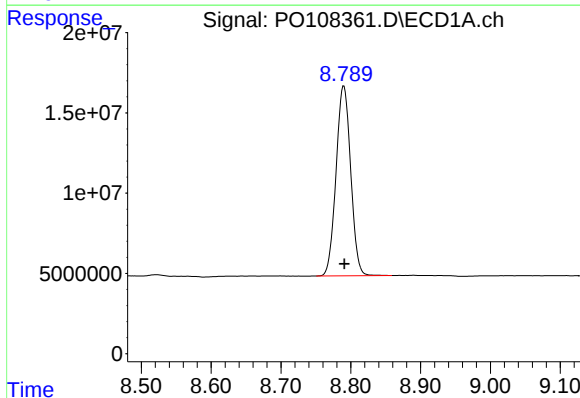
R.T.: 3.711 min  
Delta R.T.: 0.000 min  
Response: 199870010  
Conc: 22.97 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



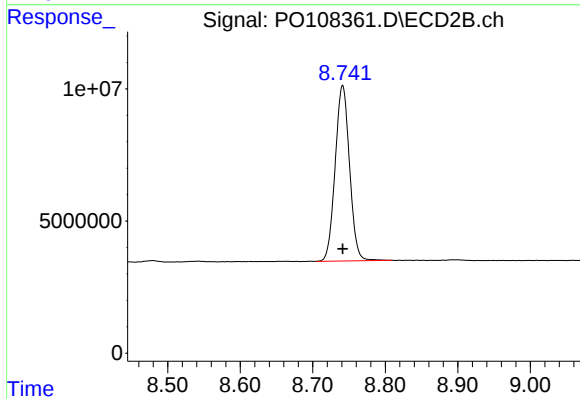
## #1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 109748107  
Conc: 21.65 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.790 min  
Delta R.T.: 0.000 min  
Response: 172254353  
Conc: 23.58 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 91294392  
Conc: 23.56 ng/ml

## Report of Analysis

|                    |                      |                    |          |
|--------------------|----------------------|--------------------|----------|
| Client:            | Tetra Tech NUS, Inc. | Date Collected:    | 12/16/24 |
| Project:           | CTO WE13             | Date Received:     | 12/16/24 |
| Client Sample ID:  | PIBLK-PO108559.D     | SDG No.:           | P5283    |
| Lab Sample ID:     | I.BLK-PO108559.D     | Matrix:            | WATER    |
| Analytical Method: | SW8082A              | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000                 | Units:             | mL       |
| Soil Aliquot Vol:  |                      |                    | uL       |
| Extraction Type:   |                      | Test:              | PCB      |
| GPC Factor :       | 1.0                  | PH :               |          |
| Prep Method :      | 5030                 | Injection Volume : |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO108559.D        | 1         |           | 12/16/24      | PO121624      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 17.6  |           | 60 - 140 |      | 88%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 17.3  |           | 60 - 140 |      | 86%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &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\PO121624\  
 Data File : PO108559.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Dec 2024 17:40  
 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: Dec 17 00:28:38 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 05:58:15 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.707 | 3.704 | 153.3E6 | 95584758 | 17.617 | 18.855 |
| 2) SA Decachlor...          | 8.775 | 8.724 | 126.4E6 | 81322855 | 17.299 | 20.987 |

Target Compounds

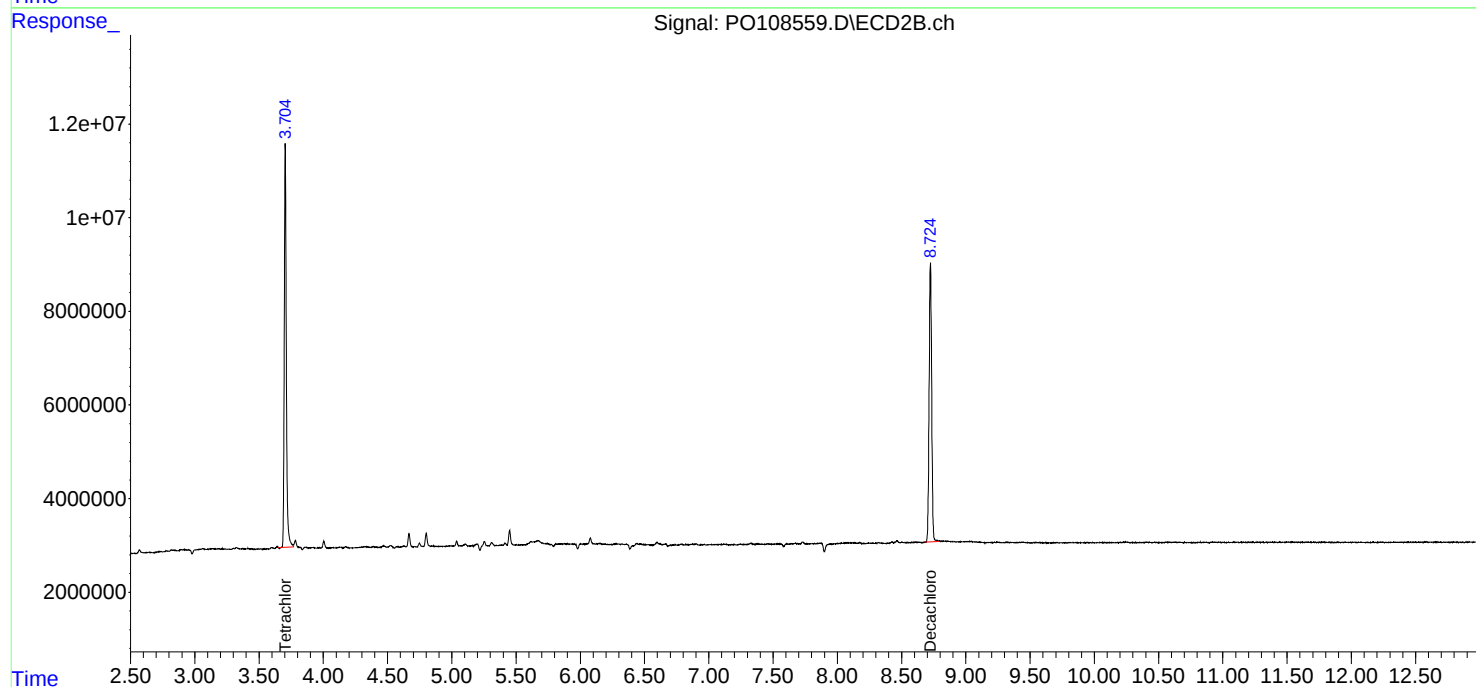
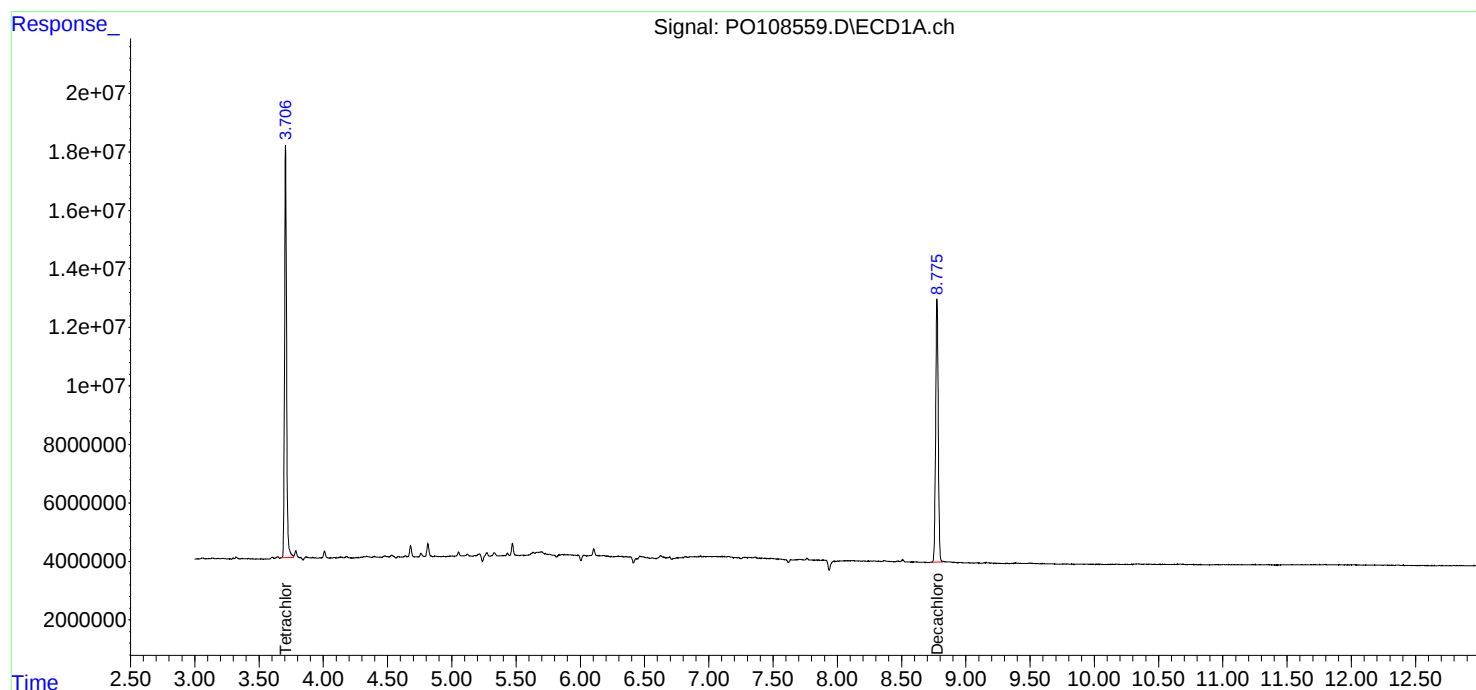
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

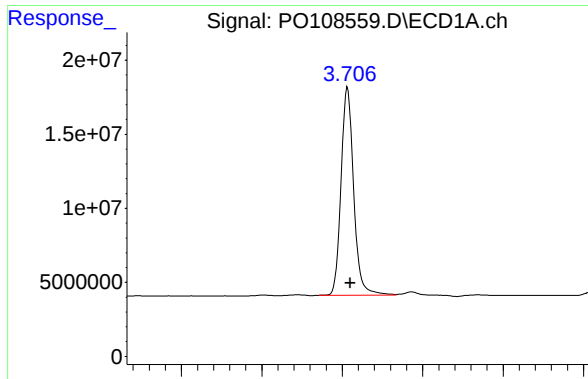
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108559.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 17:40  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:28:38 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

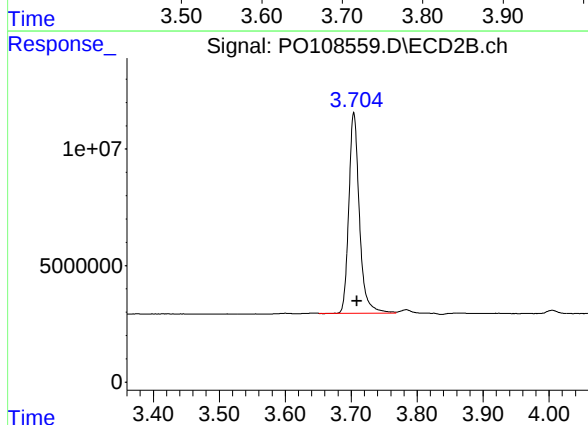




## #1 Tetrachloro-m-xylene

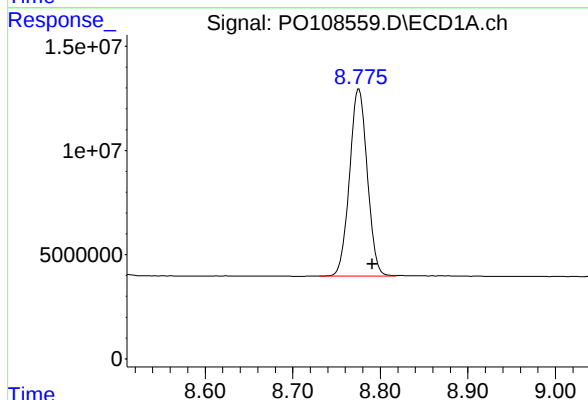
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 153268534  
Conc: 17.62 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



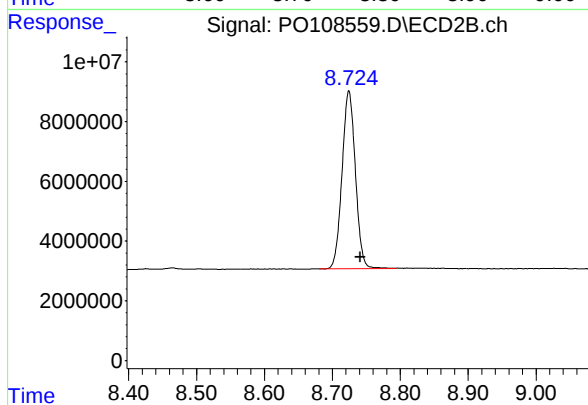
## #1 Tetrachloro-m-xylene

R.T.: 3.704 min  
Delta R.T.: -0.004 min  
Response: 95584758  
Conc: 18.86 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.775 min  
Delta R.T.: -0.015 min  
Response: 126350454  
Conc: 17.30 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.724 min  
Delta R.T.: -0.017 min  
Response: 81322855  
Conc: 20.99 ng/ml

## Report of Analysis

|                    |                      |                    |          |
|--------------------|----------------------|--------------------|----------|
| Client:            | Tetra Tech NUS, Inc. | Date Collected:    | 12/16/24 |
| Project:           | CTO WE13             | Date Received:     | 12/16/24 |
| Client Sample ID:  | PIBLK-PO108572.D     | SDG No.:           | P5283    |
| Lab Sample ID:     | I.BLK-PO108572.D     | Matrix:            | WATER    |
| Analytical Method: | SW8082A              | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000                 | Units:             | mL       |
| Soil Aliquot Vol:  |                      |                    | uL       |
| Extraction Type:   |                      | Test:              | PCB      |
| GPC Factor :       | 1.0                  | PH :               |          |
| Prep Method :      | 5030                 | Injection Volume : |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO108572.D        | 1         |           | 12/16/24      | PO121624      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.40  | U         | 0.15     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 18.9  |           | 60 - 140 |      | 94%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.9  |           | 60 - 140 |      | 95%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &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\PO121624\  
Data File : PO108572.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 22:07  
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: Dec 17 00:32:58 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.706 | 3.703 | 164.2E6 | 100.7E6  | 18.871 | 19.863 |
| 2) SA Decachlor...          | 8.774 | 8.724 | 138.0E6 | 85907430 | 18.900 | 22.170 |

Target Compounds

-----

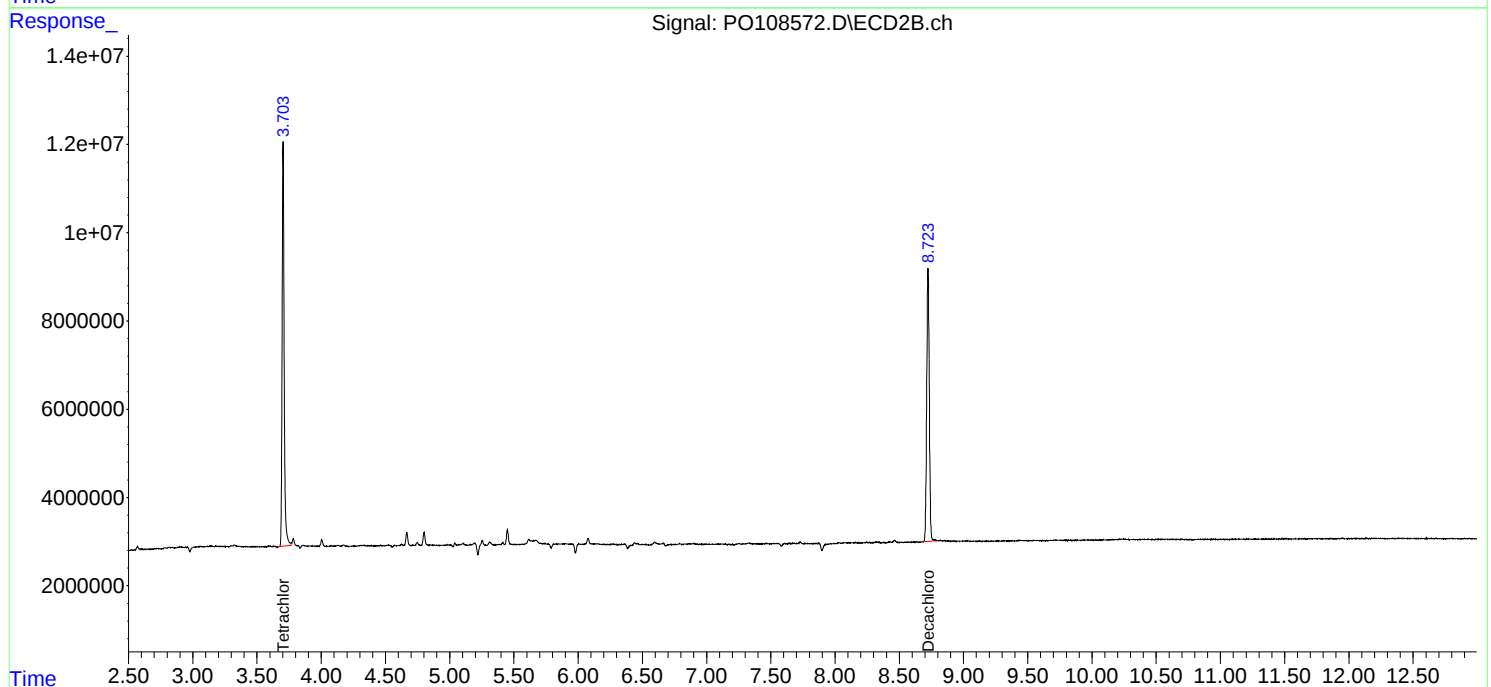
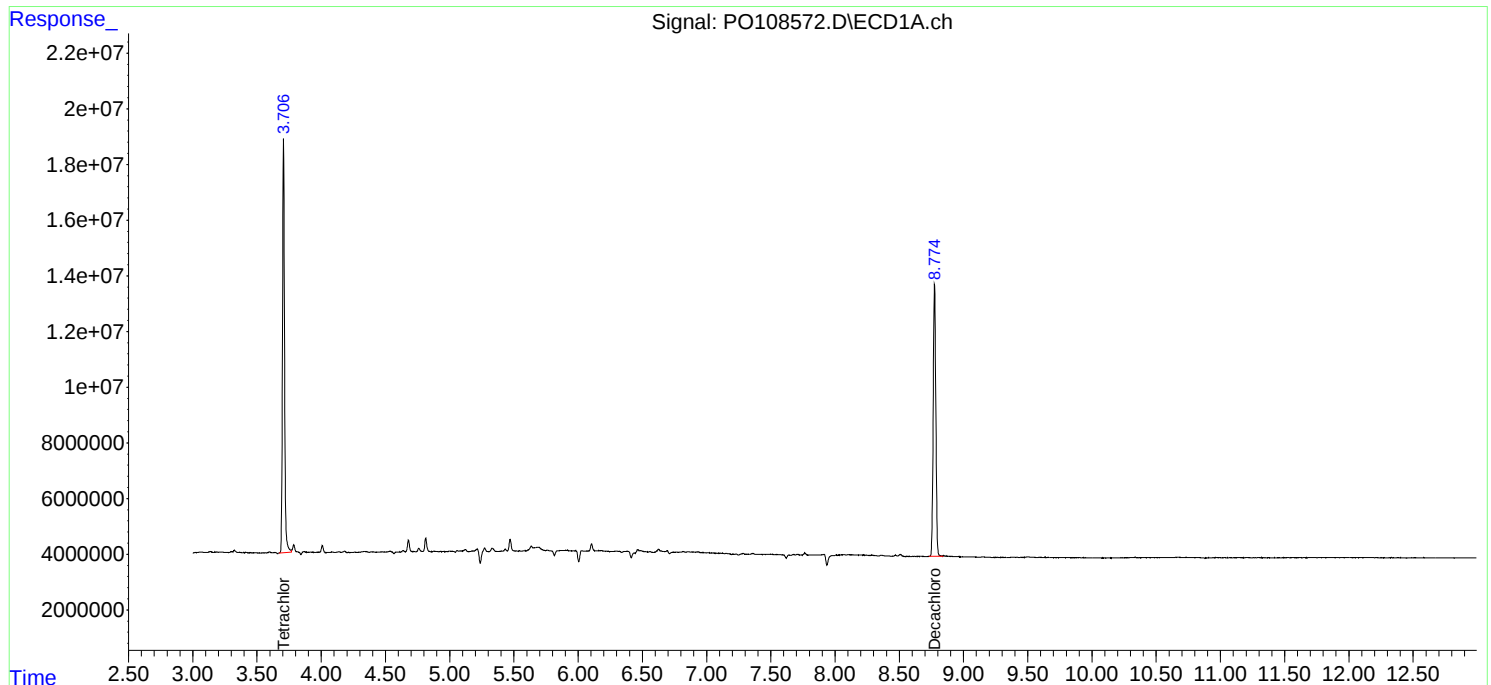
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

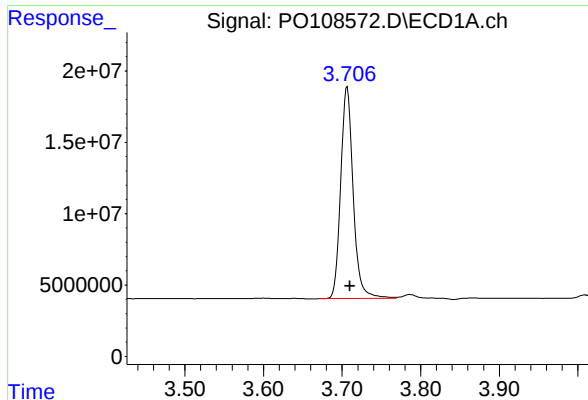
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108572.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 22:07  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:32:58 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

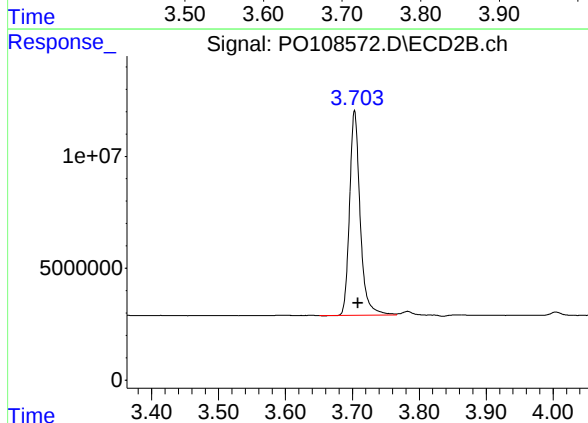




## #1 Tetrachloro-m-xylene

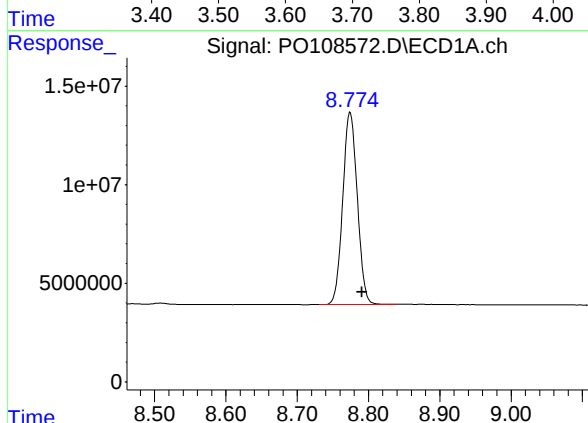
R.T.: 3.706 min  
Delta R.T.: -0.004 min  
Response: 164183003  
Conc: 18.87 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



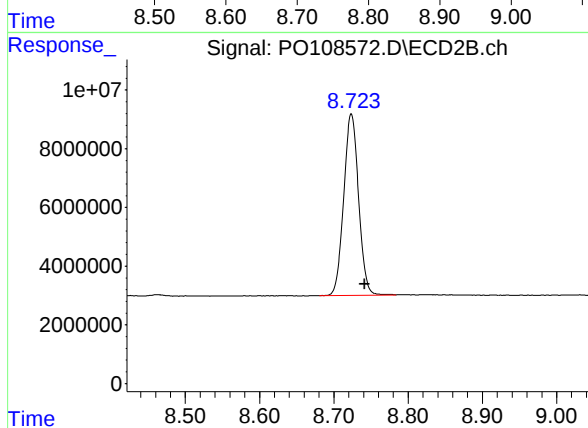
## #1 Tetrachloro-m-xylene

R.T.: 3.703 min  
Delta R.T.: -0.005 min  
Response: 100692337  
Conc: 19.86 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.774 min  
Delta R.T.: -0.017 min  
Response: 138045506  
Conc: 18.90 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.724 min  
Delta R.T.: -0.018 min  
Response: 85907430  
Conc: 22.17 ng/ml

## Report of Analysis

|                    |                        |                    |                  |
|--------------------|------------------------|--------------------|------------------|
| Client:            | Tetra Tech NUS, Inc.   | Date Collected:    |                  |
| Project:           | CTO WE13               | Date Received:     |                  |
| Client Sample ID:  | PB165649BS             | SDG No.:           | P5283            |
| Lab Sample ID:     | PB165649BS             | Matrix:            | WATER            |
| Analytical Method: | SW8082A                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                     | Test:              | PCB              |
| Extraction Type:   |                        | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :          |                    |                  |
| Prep Method :      | 3510C                  |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO108562.D        | 1         | 12/16/24 08:50 | 12/16/24 18:35 | PB165649      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 4.60  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.70  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 18.2  |           | 35 - 137 |      | 91%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 22.2  |           | 40 - 135 |      | 111%       | 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\PO121624\  
Data File : PO108562.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 18:35  
Operator : YP/AJ  
Sample : PB165649BS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:29:41 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-------|-------|----------|----------|---------|-----------|
| -----                       |       |       |          |          |         |           |
| System Monitoring Compounds |       |       |          |          |         |           |
| 1) SA Tetrachlo...          | 3.707 | 3.704 | 151.0E6  | 92422440 | 17.359  | 18.231    |
| 2) SA Decachlor...          | 8.774 | 8.724 | 135.6E6  | 85958065 | 18.569  | 22.183    |
| Target Compounds            |       |       |          |          |         |           |
| 3) L1 AR-1016-1             | 4.804 | 4.791 | 129.6E6  | 74936581 | 420.171 | 466.969   |
| 4) L1 AR-1016-2             | 4.824 | 4.811 | 175.5E6  | 104.2E6  | 420.538 | 469.189   |
| 5) L1 AR-1016-3             | 4.880 | 4.987 | 122.7E6  | 57906439 | 419.303 | 460.183   |
| 6) L1 AR-1016-4             | 5.001 | 5.028 | 96884711 | 47877427 | 419.093 | 456.820   |
| 7) L1 AR-1016-5             | 5.258 | 5.242 | 101.9E6  | 60854088 | 405.050 | 450.067   |
| 31) L7 AR-1260-1            | 6.302 | 6.276 | 196.7E6  | 116.1E6  | 430.221 | 496.001   |
| 32) L7 AR-1260-2            | 6.490 | 6.463 | 234.3E6  | 137.5E6  | 421.657 | 489.962   |
| 33) L7 AR-1260-3            | 6.860 | 6.617 | 166.0E6  | 129.8E6  | 357.999 | 492.403 # |
| 34) L7 AR-1260-4            | 7.120 | 7.089 | 158.8E6  | 93367625 | 373.391 | 438.860   |
| 35) L7 AR-1260-5            | 7.360 | 7.327 | 378.7E6  | 217.2E6  | 389.675 | 448.719   |
| -----                       |       |       |          |          |         |           |

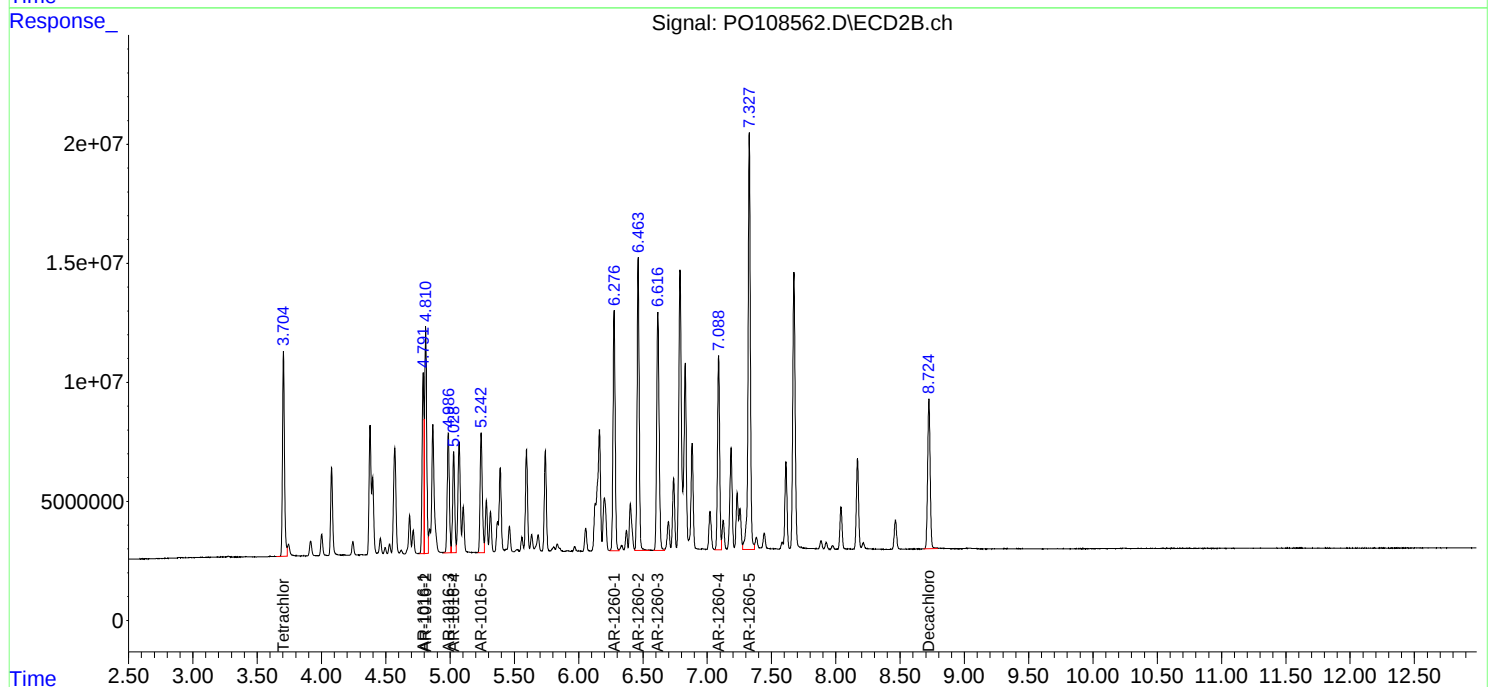
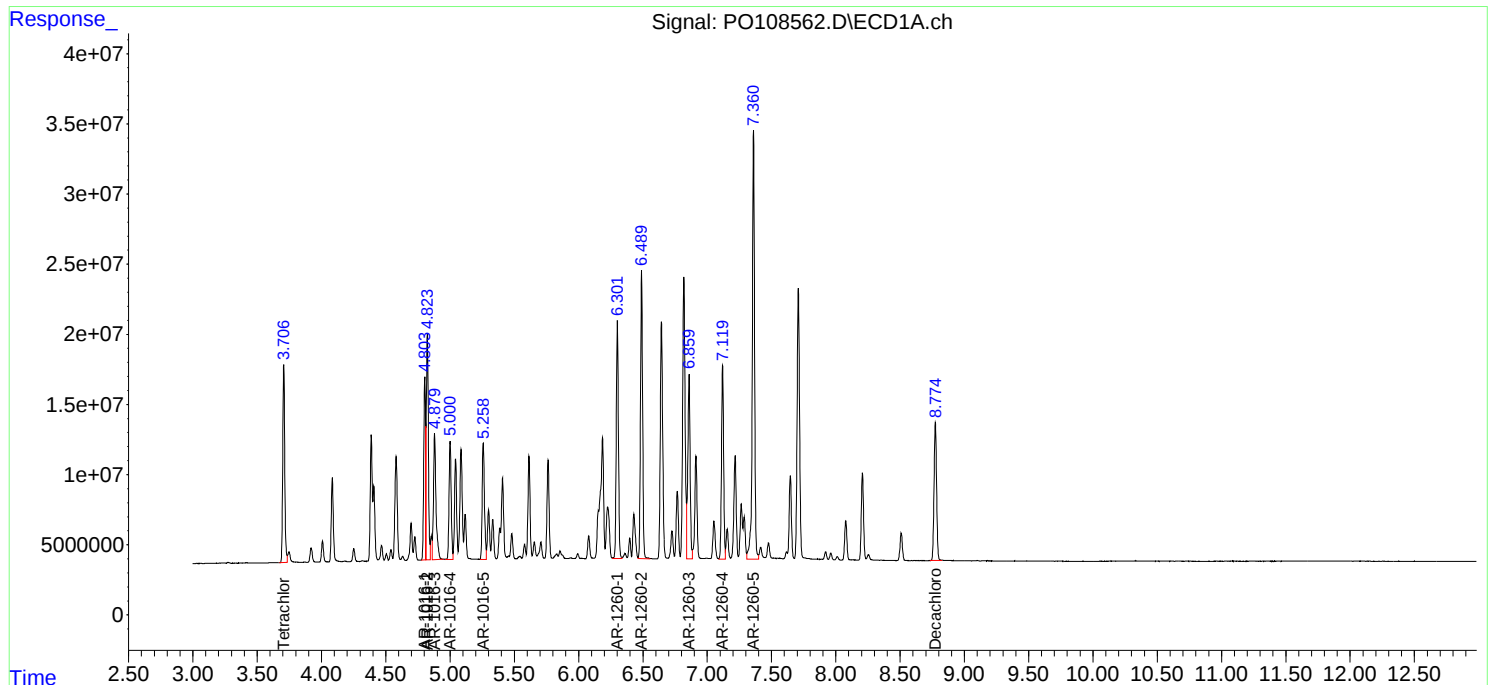
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

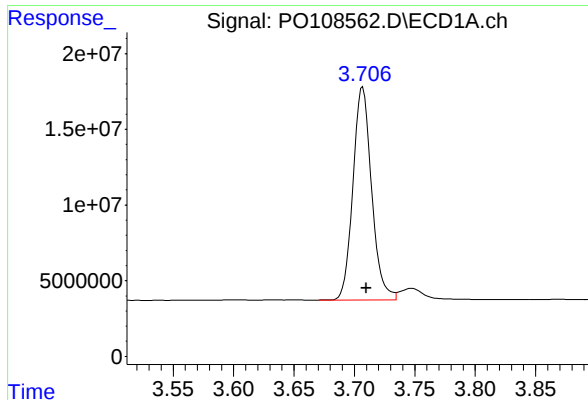
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108562.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 18:35  
Operator : YP/AJ  
Sample : PB165649BS  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:29:41 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

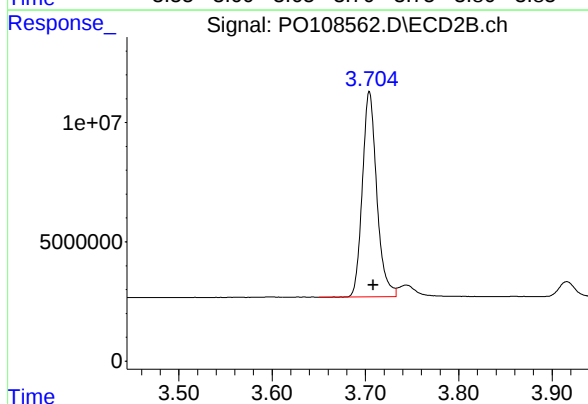




## #1 Tetrachloro-m-xylene

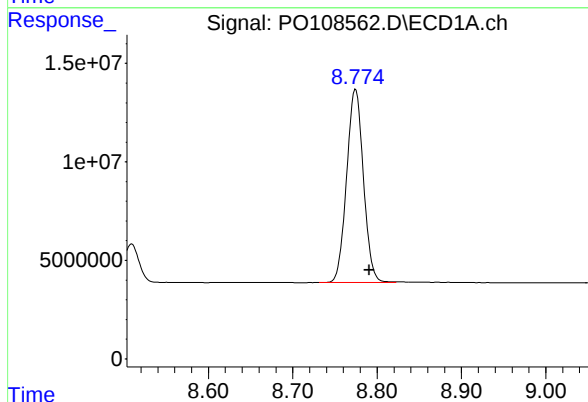
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 151023303  
Conc: 17.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



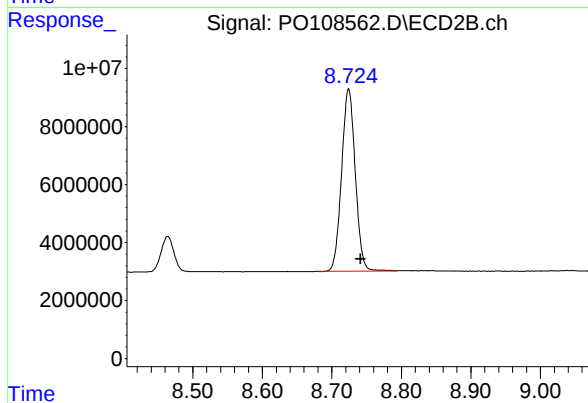
## #1 Tetrachloro-m-xylene

R.T.: 3.704 min  
Delta R.T.: -0.004 min  
Response: 92422440  
Conc: 18.23 ng/ml



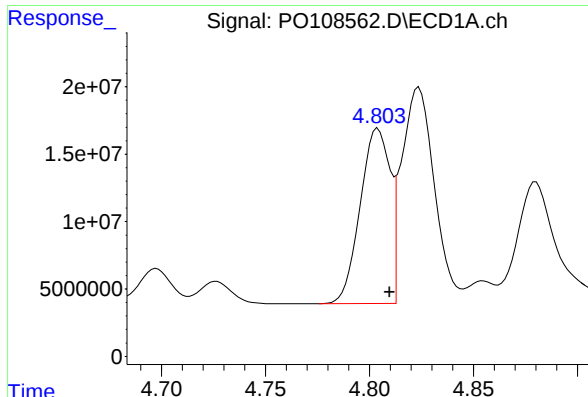
## #2 Decachlorobiphenyl

R.T.: 8.774 min  
Delta R.T.: -0.016 min  
Response: 135631642  
Conc: 18.57 ng/ml



## #2 Decachlorobiphenyl

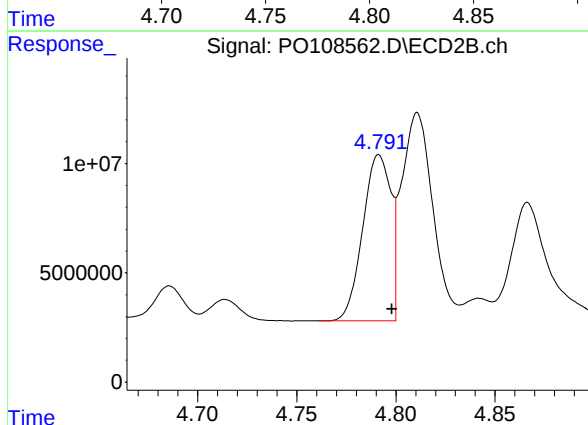
R.T.: 8.724 min  
Delta R.T.: -0.017 min  
Response: 85958065  
Conc: 22.18 ng/ml



#3 AR-1016-1

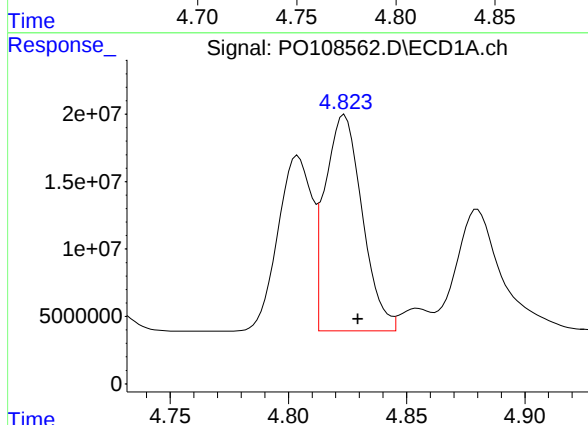
R.T.: 4.804 min  
Delta R.T.: -0.006 min  
Response: 129598975  
Conc: 420.17 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



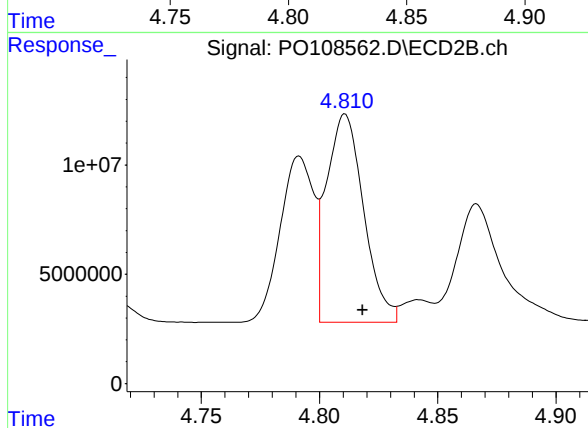
#3 AR-1016-1

R.T.: 4.791 min  
Delta R.T.: -0.007 min  
Response: 74936581  
Conc: 466.97 ng/ml



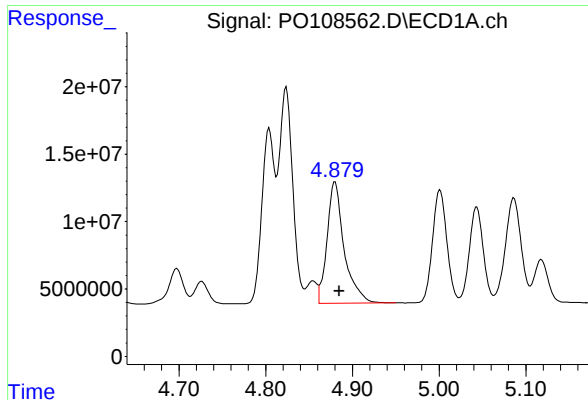
#4 AR-1016-2

R.T.: 4.824 min  
Delta R.T.: -0.006 min  
Response: 175540465  
Conc: 420.54 ng/ml



#4 AR-1016-2

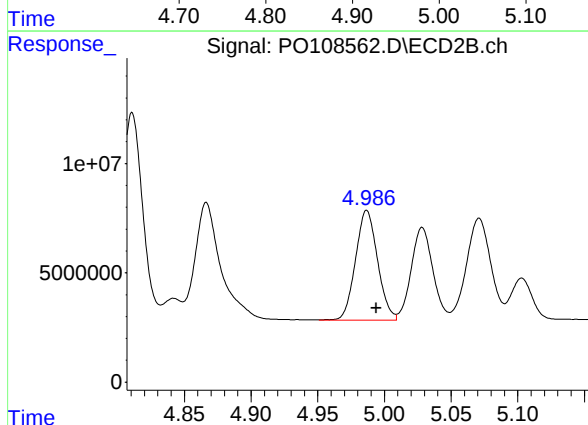
R.T.: 4.811 min  
Delta R.T.: -0.007 min  
Response: 104203466  
Conc: 469.19 ng/ml



#5 AR-1016-3

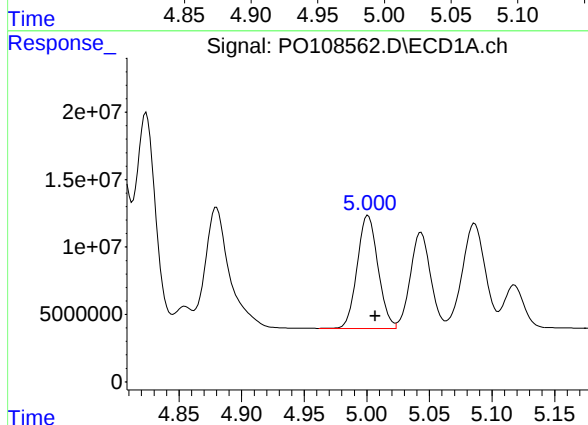
R.T.: 4.880 min  
Delta R.T.: -0.005 min  
Response: 122701289  
Conc: 419.30 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



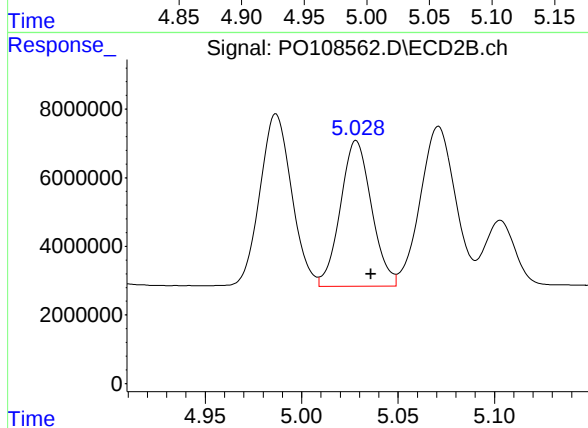
#5 AR-1016-3

R.T.: 4.987 min  
Delta R.T.: -0.007 min  
Response: 57906439  
Conc: 460.18 ng/ml



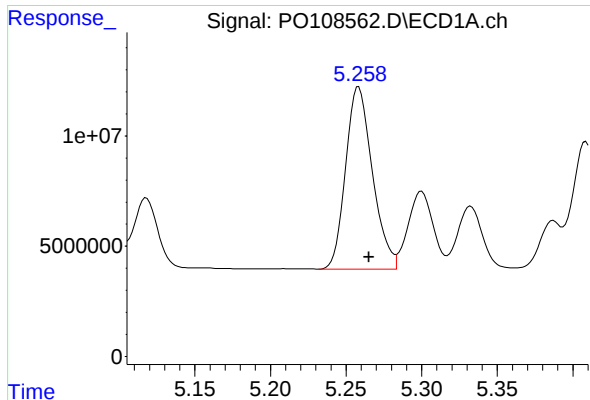
#6 AR-1016-4

R.T.: 5.001 min  
Delta R.T.: -0.006 min  
Response: 96884711  
Conc: 419.09 ng/ml



#6 AR-1016-4

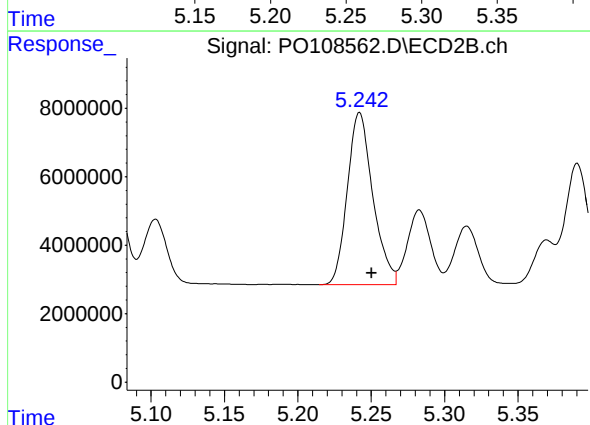
R.T.: 5.028 min  
Delta R.T.: -0.008 min  
Response: 47877427  
Conc: 456.82 ng/ml



#7 AR-1016-5

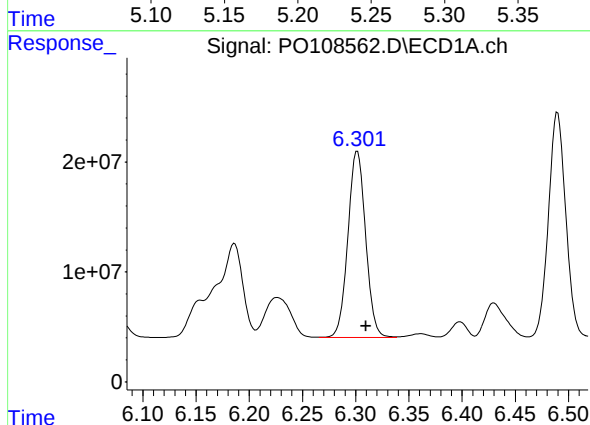
R.T.: 5.258 min  
Delta R.T.: -0.007 min  
Response: 101939028  
Conc: 405.05 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



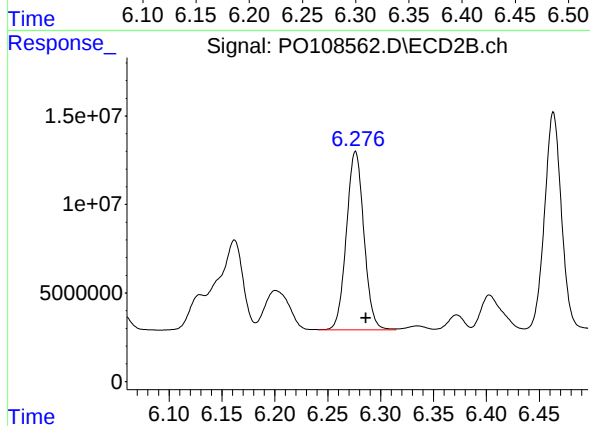
#7 AR-1016-5

R.T.: 5.242 min  
Delta R.T.: -0.008 min  
Response: 60854088  
Conc: 450.07 ng/ml



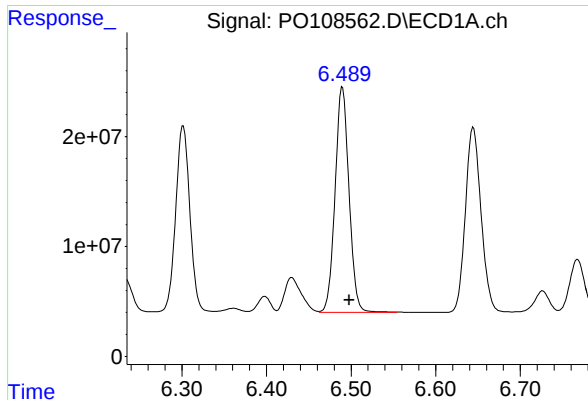
#31 AR-1260-1

R.T.: 6.302 min  
Delta R.T.: -0.008 min  
Response: 196673373  
Conc: 430.22 ng/ml



#31 AR-1260-1

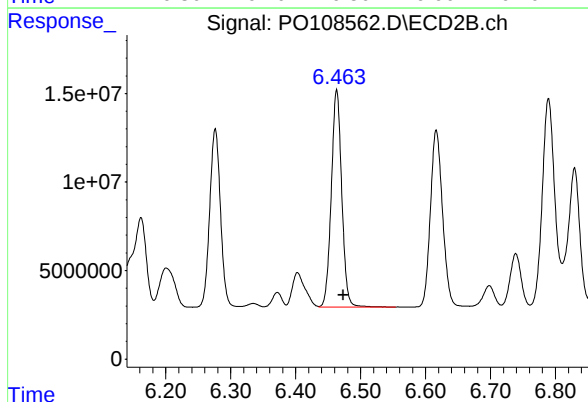
R.T.: 6.276 min  
Delta R.T.: -0.010 min  
Response: 116081693  
Conc: 496.00 ng/ml



#32 AR-1260-2

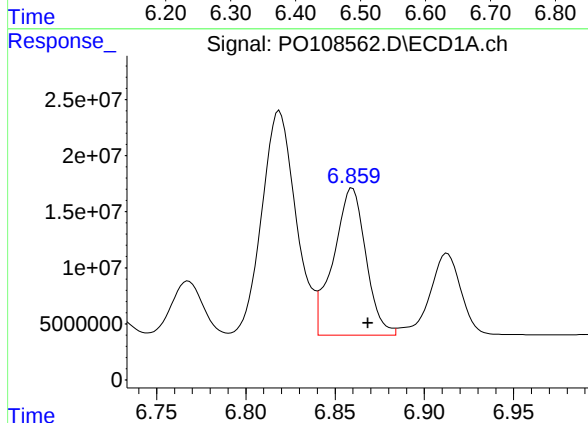
R.T.: 6.490 min  
Delta R.T.: -0.008 min  
Response: 234323132  
Conc: 421.66 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



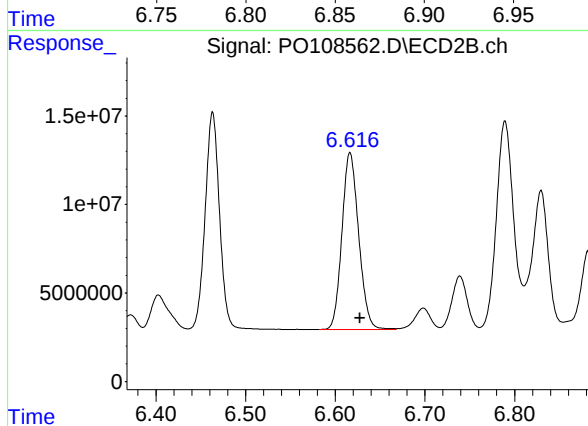
#32 AR-1260-2

R.T.: 6.463 min  
Delta R.T.: -0.010 min  
Response: 137467416  
Conc: 489.96 ng/ml



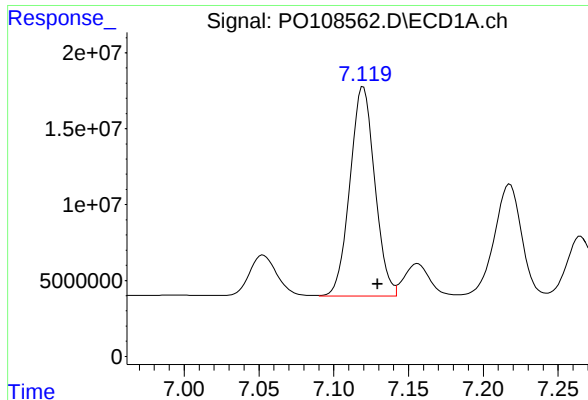
#33 AR-1260-3

R.T.: 6.860 min  
Delta R.T.: -0.009 min  
Response: 165996450  
Conc: 358.00 ng/ml



#33 AR-1260-3

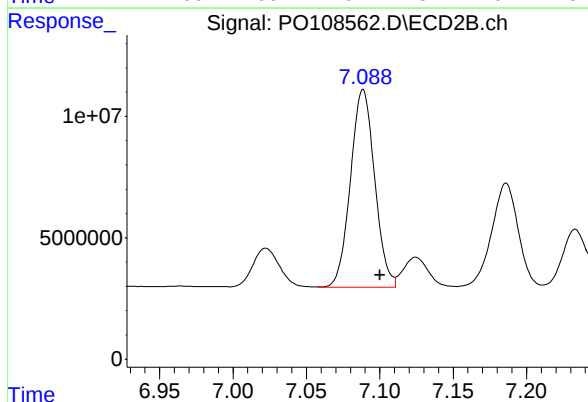
R.T.: 6.617 min  
Delta R.T.: -0.011 min  
Response: 129781814  
Conc: 492.40 ng/ml



#34 AR-1260-4

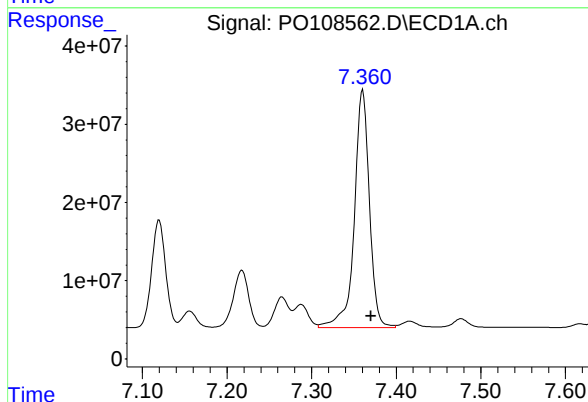
R.T.: 7.120 min  
Delta R.T.: -0.009 min  
Response: 158818282  
Conc: 373.39 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BS



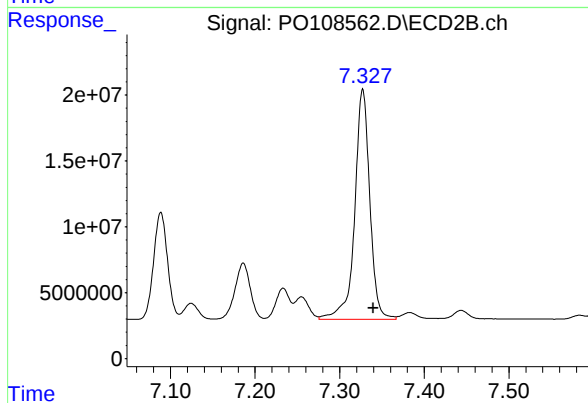
#34 AR-1260-4

R.T.: 7.089 min  
Delta R.T.: -0.011 min  
Response: 93367625  
Conc: 438.86 ng/ml



#35 AR-1260-5

R.T.: 7.360 min  
Delta R.T.: -0.010 min  
Response: 378718582  
Conc: 389.68 ng/ml



#35 AR-1260-5

R.T.: 7.327 min  
Delta R.T.: -0.013 min  
Response: 217150080  
Conc: 448.72 ng/ml

## Report of Analysis

|                    |                        |                    |                  |
|--------------------|------------------------|--------------------|------------------|
| Client:            | Tetra Tech NUS, Inc.   | Date Collected:    |                  |
| Project:           | CTO WE13               | Date Received:     |                  |
| Client Sample ID:  | PB165649BSD            | SDG No.:           | P5283            |
| Lab Sample ID:     | PB165649BSD            | Matrix:            | WATER            |
| Analytical Method: | SW8082A                | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                     | Test:              | PCB              |
| Extraction Type:   |                        | Injection Volume : |                  |
| GPC Factor :       | 1.0      PH :          |                    |                  |
| Prep Method :      | 3510C                  |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO108563.D        | 1         | 12/16/24 08:50 | 12/16/24 18:54 | PB165649      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |      |            |         |
| 12674-11-2        | Aroclor-1016         | 4.60  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.40  | U         | 0.23     | 0.40 | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.40  | U         | 0.37     | 0.40 | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.40  | U         | 0.16     | 0.40 | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.40  | U         | 0.11     | 0.40 | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.40  | U         | 0.14     | 0.40 | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.40  | U         | 0.12     | 0.40 | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.80  |           | 0.15     | 0.40 | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |      |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 18.3  |           | 35 - 137 |      | 92%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 22.2  |           | 40 - 135 |      | 111%       | 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\PO121624\  
Data File : PO108563.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 18:54  
Operator : YP/AJ  
Sample : PB165649BSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:30:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-------|-------|----------|----------|---------|-----------|
| -----                       |       |       |          |          |         |           |
| System Monitoring Compounds |       |       |          |          |         |           |
| 1) SA Tetrachlo...          | 3.707 | 3.704 | 151.5E6  | 92840430 | 17.415  | 18.314    |
| 2) SA Decachlor...          | 8.774 | 8.725 | 136.7E6  | 85972649 | 18.714  | 22.187    |
| Target Compounds            |       |       |          |          |         |           |
| 3) L1 AR-1016-1             | 4.803 | 4.791 | 130.2E6  | 75581796 | 422.281 | 470.990   |
| 4) L1 AR-1016-2             | 4.824 | 4.811 | 175.5E6  | 103.7E6  | 420.487 | 466.914   |
| 5) L1 AR-1016-3             | 4.879 | 4.986 | 123.0E6  | 58235825 | 420.264 | 462.800   |
| 6) L1 AR-1016-4             | 5.000 | 5.028 | 96766310 | 47898392 | 418.581 | 457.020   |
| 7) L1 AR-1016-5             | 5.259 | 5.241 | 102.6E6  | 60972404 | 407.826 | 450.942   |
| 31) L7 AR-1260-1            | 6.301 | 6.276 | 198.7E6  | 116.4E6  | 434.672 | 497.567   |
| 32) L7 AR-1260-2            | 6.490 | 6.463 | 237.0E6  | 138.2E6  | 426.385 | 492.500   |
| 33) L7 AR-1260-3            | 6.859 | 6.616 | 167.5E6  | 130.7E6  | 361.326 | 495.970 # |
| 34) L7 AR-1260-4            | 7.120 | 7.088 | 157.5E6  | 93975025 | 370.222 | 441.715   |
| 35) L7 AR-1260-5            | 7.361 | 7.328 | 378.9E6  | 217.6E6  | 389.818 | 449.558   |
| -----                       |       |       |          |          |         |           |

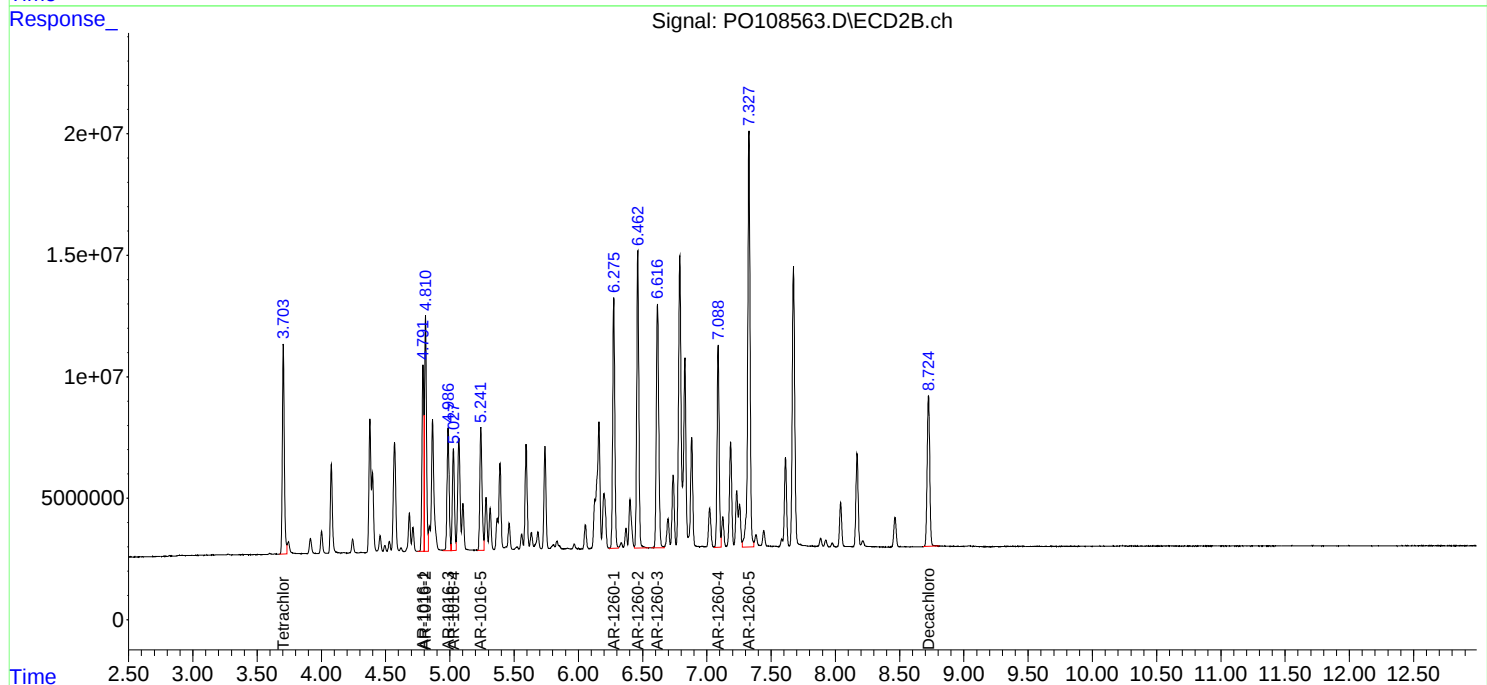
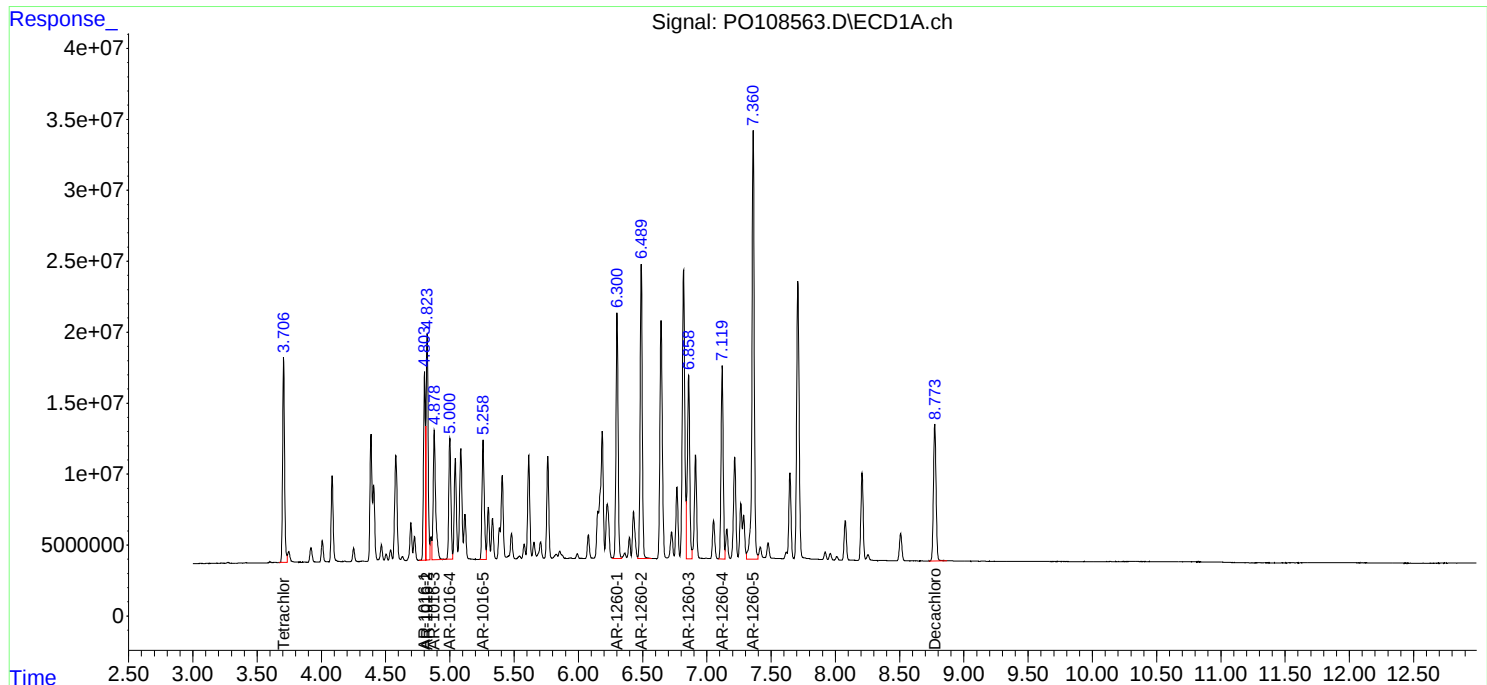
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

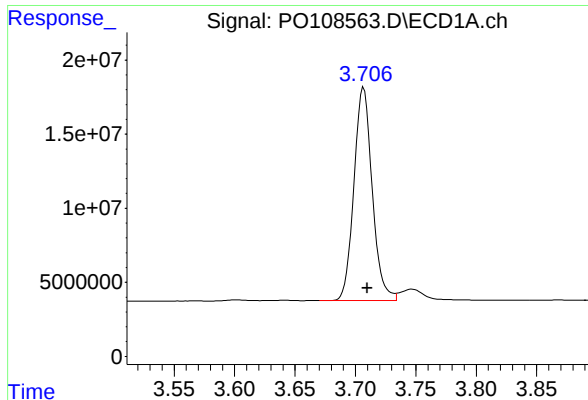
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO121624\  
Data File : PO108563.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Dec 2024 18:54  
Operator : YP/AJ  
Sample : PB165649BSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 17 00:30:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 05:58:15 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

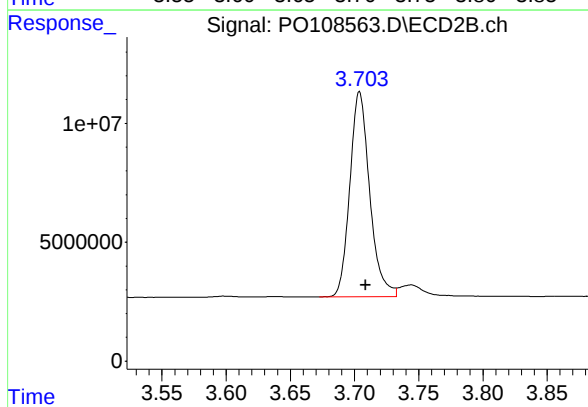




## #1 Tetrachloro-m-xylene

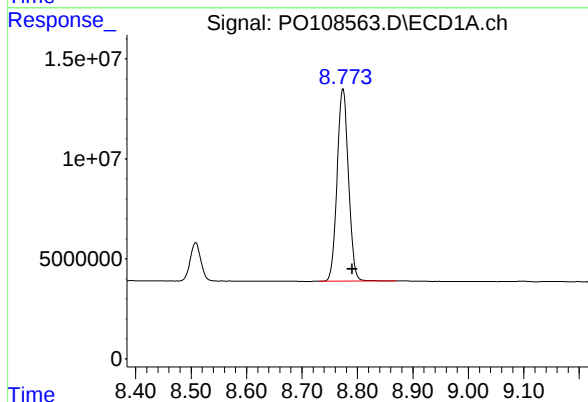
R.T.: 3.707 min  
Delta R.T.: -0.003 min  
Response: 151510533  
Conc: 17.41 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



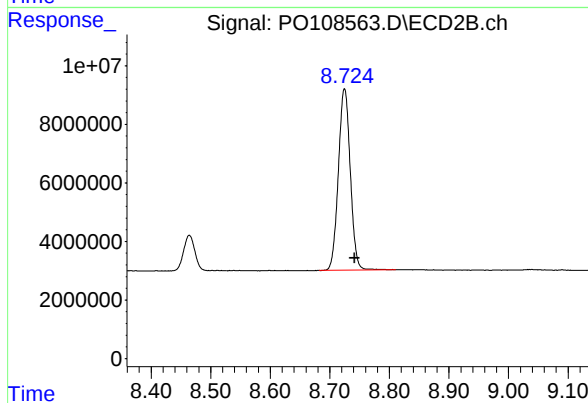
## #1 Tetrachloro-m-xylene

R.T.: 3.704 min  
Delta R.T.: -0.005 min  
Response: 92840430  
Conc: 18.31 ng/ml



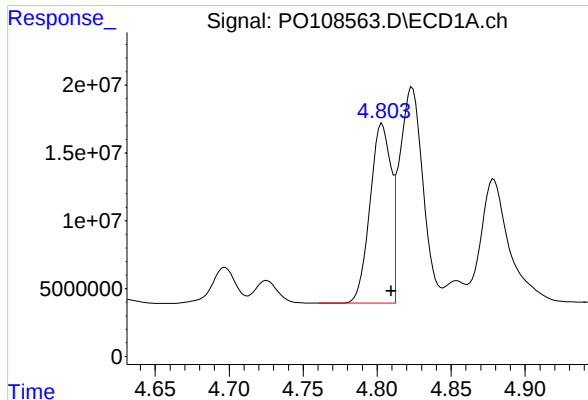
## #2 Decachlorobiphenyl

R.T.: 8.774 min  
Delta R.T.: -0.017 min  
Response: 136686189  
Conc: 18.71 ng/ml



## #2 Decachlorobiphenyl

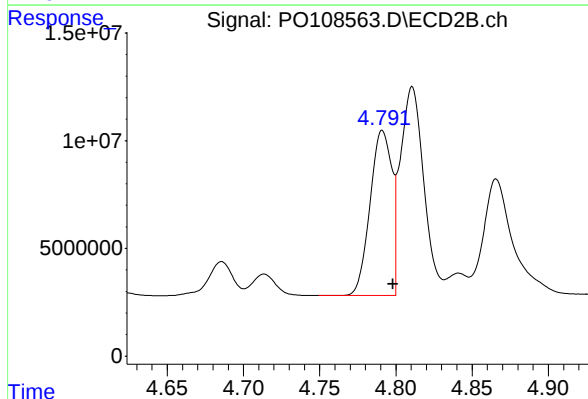
R.T.: 8.725 min  
Delta R.T.: -0.017 min  
Response: 85972649  
Conc: 22.19 ng/ml



#3 AR-1016-1

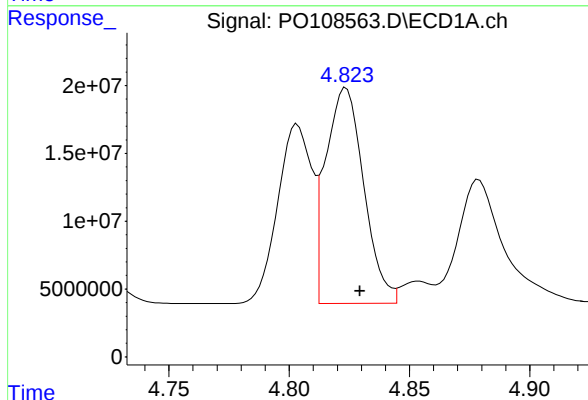
R.T.: 4.803 min  
Delta R.T.: -0.006 min  
Response: 130249678  
Conc: 422.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



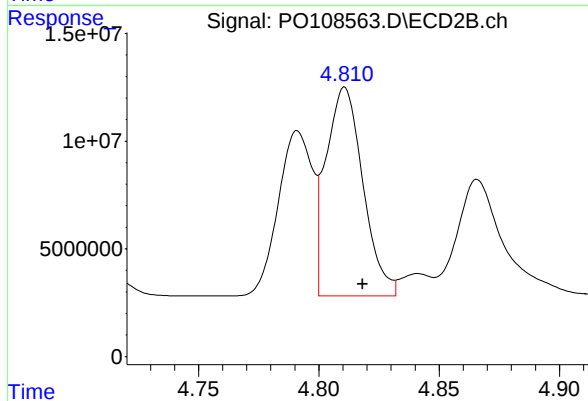
#3 AR-1016-1

R.T.: 4.791 min  
Delta R.T.: -0.007 min  
Response: 75581796  
Conc: 470.99 ng/ml



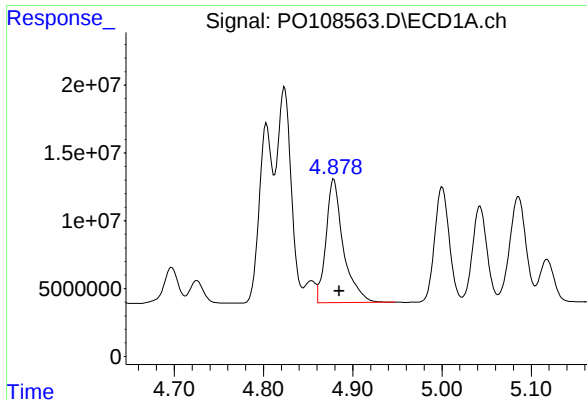
#4 AR-1016-2

R.T.: 4.824 min  
Delta R.T.: -0.006 min  
Response: 175519240  
Conc: 420.49 ng/ml



#4 AR-1016-2

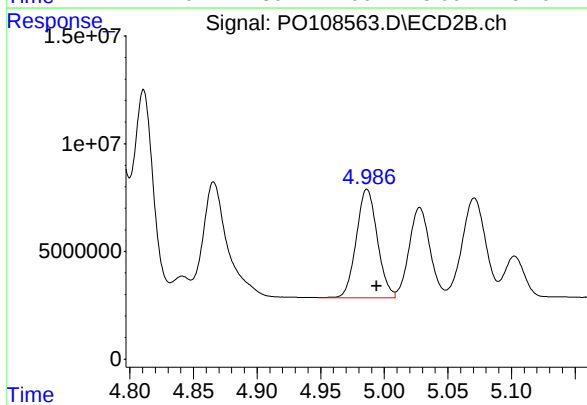
R.T.: 4.811 min  
Delta R.T.: -0.007 min  
Response: 103698300  
Conc: 466.91 ng/ml



#5 AR-1016-3

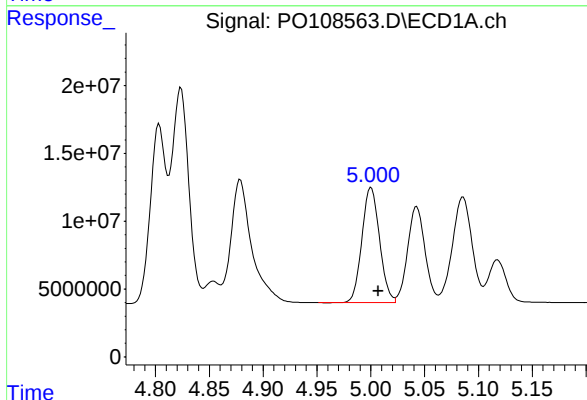
R.T.: 4.879 min  
Delta R.T.: -0.006 min  
Response: 122982485  
Conc: 420.26 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



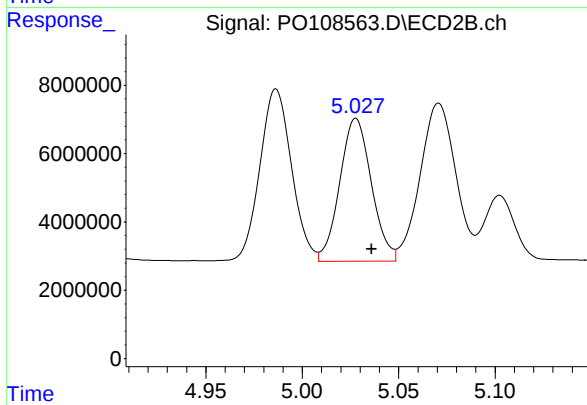
#5 AR-1016-3

R.T.: 4.986 min  
Delta R.T.: -0.008 min  
Response: 58235825  
Conc: 462.80 ng/ml



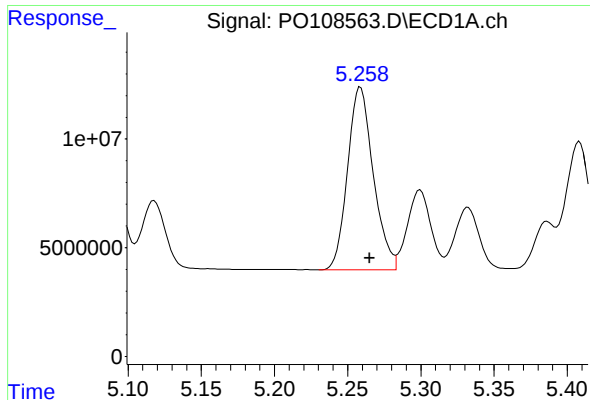
#6 AR-1016-4

R.T.: 5.000 min  
Delta R.T.: -0.007 min  
Response: 96766310  
Conc: 418.58 ng/ml



#6 AR-1016-4

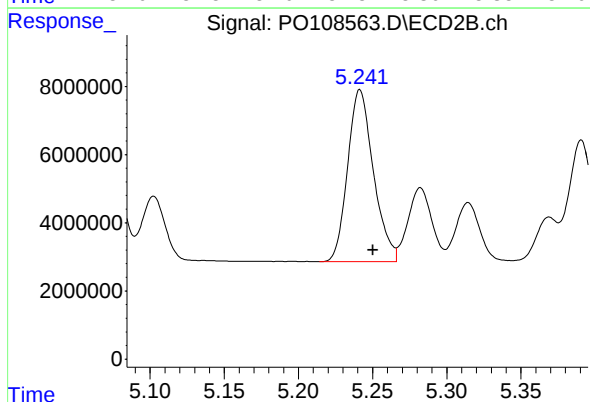
R.T.: 5.028 min  
Delta R.T.: -0.008 min  
Response: 47898392  
Conc: 457.02 ng/ml



#7 AR-1016-5

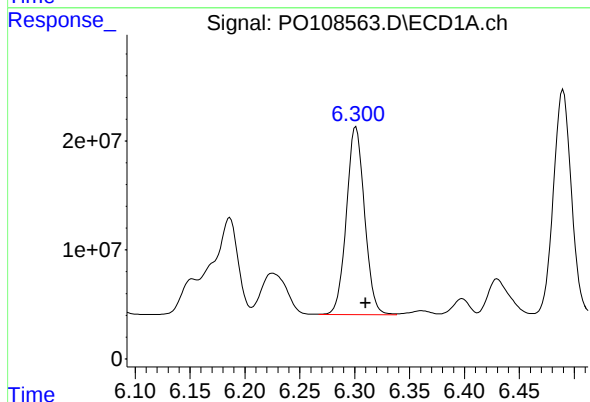
R.T.: 5.259 min  
Delta R.T.: -0.006 min  
Response: 102637621  
Conc: 407.83 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



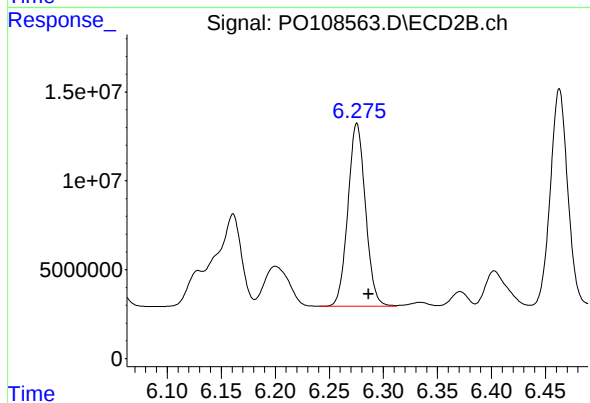
#7 AR-1016-5

R.T.: 5.241 min  
Delta R.T.: -0.009 min  
Response: 60972404  
Conc: 450.94 ng/ml



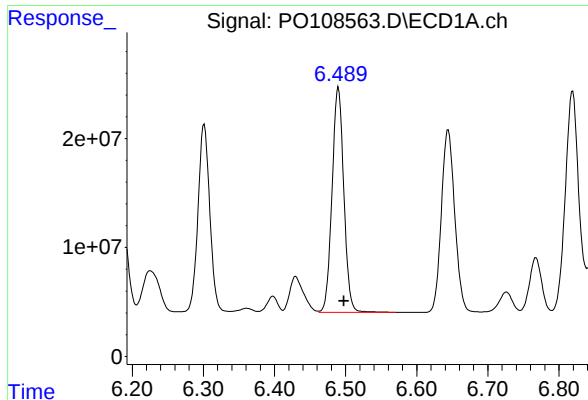
#31 AR-1260-1

R.T.: 6.301 min  
Delta R.T.: -0.009 min  
Response: 198708143  
Conc: 434.67 ng/ml



#31 AR-1260-1

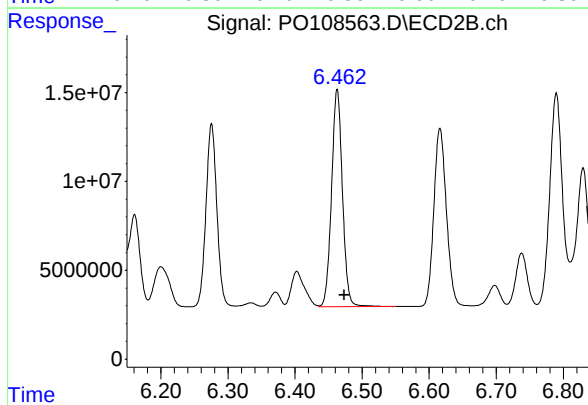
R.T.: 6.276 min  
Delta R.T.: -0.011 min  
Response: 116448223  
Conc: 497.57 ng/ml



#32 AR-1260-2

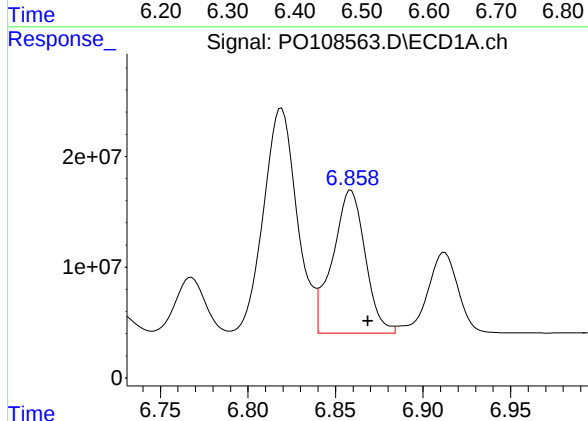
R.T.: 6.490 min  
Delta R.T.: -0.008 min  
Response: 236950522  
Conc: 426.39 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



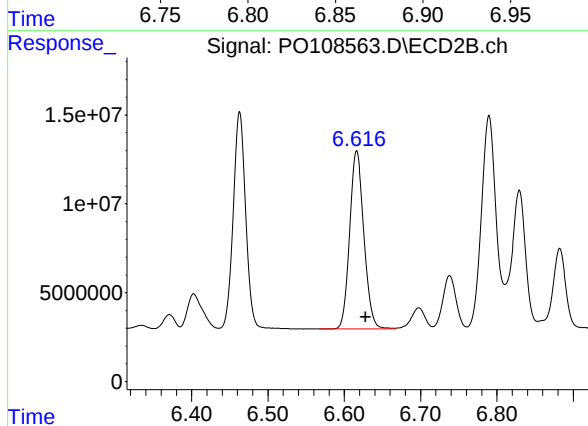
#32 AR-1260-2

R.T.: 6.463 min  
Delta R.T.: -0.011 min  
Response: 138179664  
Conc: 492.50 ng/ml



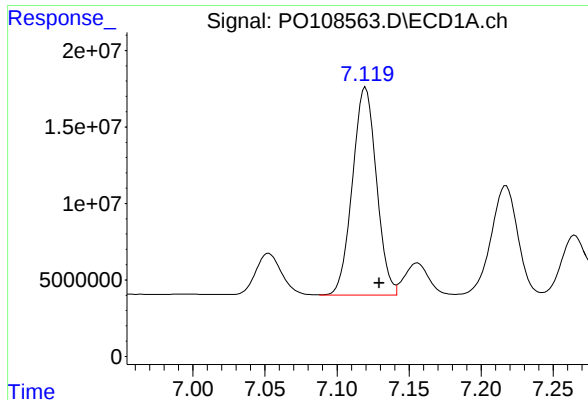
#33 AR-1260-3

R.T.: 6.859 min  
Delta R.T.: -0.010 min  
Response: 167538865  
Conc: 361.33 ng/ml



#33 AR-1260-3

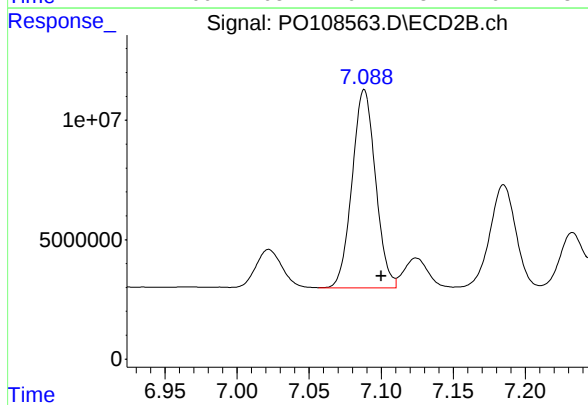
R.T.: 6.616 min  
Delta R.T.: -0.012 min  
Response: 130722053  
Conc: 495.97 ng/ml



#34 AR-1260-4

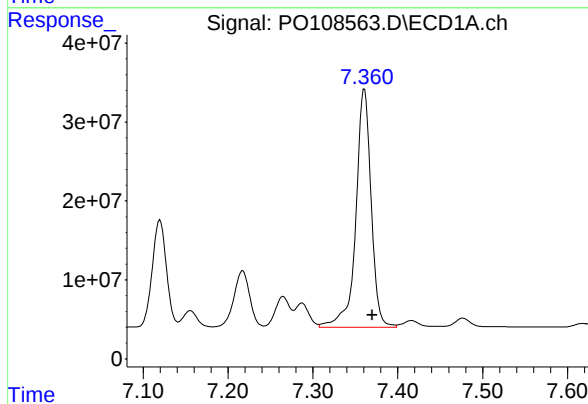
R.T.: 7.120 min  
Delta R.T.: -0.009 min  
Response: 157470362  
Conc: 370.22 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB165649BSD



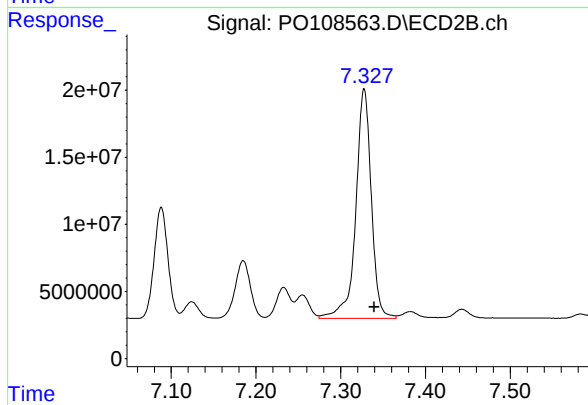
#34 AR-1260-4

R.T.: 7.088 min  
Delta R.T.: -0.012 min  
Response: 93975025  
Conc: 441.72 ng/ml



#35 AR-1260-5

R.T.: 7.361 min  
Delta R.T.: -0.009 min  
Response: 378857527  
Conc: 389.82 ng/ml



#35 AR-1260-5

R.T.: 7.328 min  
Delta R.T.: -0.012 min  
Response: 217556357  
Conc: 449.56 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO120624 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|--------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1660ICC050 | PO108366.D | AR-1016-1 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-2 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-3 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1016-4 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-1    | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-1 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-2    | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-2 #2 | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1660ICC050 | PO108366.D | AR-1260-3    | yogesh    | 12/9/2024<br>10:59:43 AM | Ankita        | 12/9/2024<br>11:02:57 | Peak Integrated by Software |
| AR1242ICC050 | PO108373.D | AR-1242-5    | yogesh    | 12/9/2024<br>10:59:45 AM | Ankita        | 12/9/2024<br>11:02:58 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-3    | yogesh    | 12/9/2024<br>10:59:47 AM | Ankita        | 12/9/2024<br>11:02:59 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-4    | yogesh    | 12/9/2024<br>10:59:47 AM | Ankita        | 12/9/2024<br>11:02:59 | Peak Integrated by Software |
| AR1248ICC050 | PO108378.D | AR-1248-5    | yogesh    | 12/9/2024<br>10:59:47 AM | Ankita        | 12/9/2024<br>11:02:59 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO120624 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|--------------|------------|-----------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| AR1254ICC050 | PO108383.D | AR-1254-1 | yogesh    | 12/9/2024<br>10:59:49 AM | Ankita        | 12/9/2024<br>11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-2 | yogesh    | 12/9/2024<br>10:59:49 AM | Ankita        | 12/9/2024<br>11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-3 | yogesh    | 12/9/2024<br>10:59:49 AM | Ankita        | 12/9/2024<br>11:03:01 | Peak Integrated by Software |
| AR1254ICC050 | PO108383.D | AR-1254-4 | yogesh    | 12/9/2024<br>10:59:49 AM | Ankita        | 12/9/2024<br>11:03:01 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO121624 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On             | Supervised By | Supervised On      | Reason                      |
|--------------|------------|--------------|-----------|-----------------------|---------------|--------------------|-----------------------------|
| AR1254CCC500 | PO108543.D | AR-1254-3 #2 | yogesh    | 12/17/2024 7:56:21 AM | Ankita        | 12/17/2024 9:41:43 | Peak Integrated by Software |
| AR1254CCC500 | PO108558.D | AR-1254-3    | yogesh    | 12/17/2024 7:56:28 AM | Ankita        | 12/17/2024 9:41:46 | Peak Integrated by Software |
| AR1254CCC500 | PO108558.D | AR-1254-3 #2 | yogesh    | 12/17/2024 7:56:28 AM | Ankita        | 12/17/2024 9:41:46 | Peak Integrated by Software |
| AR1254CCC500 | PO108571.D | AR-1254-3 #2 | yogesh    | 12/17/2024 7:56:29 AM | Ankita        | 12/17/2024 9:41:48 | Peak Integrated by Software |

Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 12/9/2024 11:00:19 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 12/9/2024 11:03:08 AM         |
| SubDirectory             | PO120624                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO120624 |
| <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        | PO108360.D     | 06 Dec 2024 13:43 | YP/AJ    | Ok     |
| 2   | I.BLK         | PO108361.D     | 06 Dec 2024 14:01 | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | PO108362.D     | 06 Dec 2024 14:19 | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | PO108363.D     | 06 Dec 2024 14:38 | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | PO108364.D     | 06 Dec 2024 14:56 | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | PO108365.D     | 06 Dec 2024 15:14 | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | PO108366.D     | 06 Dec 2024 15:33 | YP/AJ    | Ok,M   |
| 8   | AR1221ICC500  | PO108367.D     | 06 Dec 2024 15:51 | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | PO108368.D     | 06 Dec 2024 16:09 | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | PO108369.D     | 06 Dec 2024 16:28 | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | PO108370.D     | 06 Dec 2024 16:46 | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | PO108371.D     | 06 Dec 2024 17:04 | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | PO108372.D     | 06 Dec 2024 17:23 | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | PO108373.D     | 06 Dec 2024 17:41 | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | PO108374.D     | 06 Dec 2024 17:59 | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | PO108375.D     | 06 Dec 2024 18:18 | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | PO108376.D     | 06 Dec 2024 18:36 | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | PO108377.D     | 06 Dec 2024 18:54 | YP/AJ    | Ok     |
| 19  | AR1248ICC050  | PO108378.D     | 06 Dec 2024 19:13 | YP/AJ    | Ok,M   |
| 20  | AR1254ICC1000 | PO108379.D     | 06 Dec 2024 19:31 | YP/AJ    | Ok     |
| 21  | AR1254ICC750  | PO108380.D     | 06 Dec 2024 19:49 | YP/AJ    | Ok     |

Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 12/9/2024 11:00:19 AM         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 12/9/2024 11:03:08 AM         |
| SubDirectory             | PO120624                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO120624 |
| 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             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |                |            |                   |       |      |
|----|----------------|------------|-------------------|-------|------|
| 22 | AR1254ICC500   | PO108381.D | 06 Dec 2024 20:08 | YP/AJ | Ok   |
| 23 | AR1254ICC250   | PO108382.D | 06 Dec 2024 20:26 | YP/AJ | Ok   |
| 24 | AR1254ICC050   | PO108383.D | 06 Dec 2024 20:44 | YP/AJ | Ok,M |
| 25 | AR1262ICC500   | PO108384.D | 06 Dec 2024 21:03 | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | PO108385.D | 06 Dec 2024 21:21 | YP/AJ | Ok   |
| 27 | AR1268ICC750   | PO108386.D | 06 Dec 2024 21:39 | YP/AJ | Ok   |
| 28 | AR1268ICC500   | PO108387.D | 06 Dec 2024 21:58 | YP/AJ | Ok   |
| 29 | AR1268ICC250   | PO108388.D | 06 Dec 2024 22:16 | YP/AJ | Ok   |
| 30 | AR1268ICC050   | PO108389.D | 06 Dec 2024 22:34 | YP/AJ | Ok   |
| 31 | PO120624ICV500 | PO108390.D | 06 Dec 2024 22:53 | YP/AJ | Ok   |
| 32 | AR1242ICV500   | PO108391.D | 06 Dec 2024 23:11 | YP/AJ | Ok   |
| 33 | AR1248ICV500   | PO108392.D | 06 Dec 2024 23:29 | YP/AJ | Ok   |
| 34 | AR1254ICV500   | PO108393.D | 06 Dec 2024 23:48 | YP/AJ | Ok   |
| 35 | AR1268ICV500   | PO108394.D | 07 Dec 2024 00:06 | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121624

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 12/17/2024 7:56:43 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 12/17/2024 9:41:54 AM         |
| SubDirectory             | PO121624                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO120624 |
| <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   | HEXANE       | PO108539.D     | 16 Dec 2024 09:17 | YP/AJ    | Ok     |
| 2   | AR1660CCC500 | PO108540.D     | 16 Dec 2024 09:35 | YP/AJ    | Ok     |
| 3   | AR1242CCC500 | PO108541.D     | 16 Dec 2024 10:28 | YP/AJ    | Ok     |
| 4   | AR1248CCC500 | PO108542.D     | 16 Dec 2024 10:46 | YP/AJ    | Ok     |
| 5   | AR1254CCC500 | PO108543.D     | 16 Dec 2024 11:05 | YP/AJ    | Ok,M   |
| 6   | I.BLK        | PO108544.D     | 16 Dec 2024 11:23 | YP/AJ    | Ok     |
| 7   | PB165646BL   | PO108545.D     | 16 Dec 2024 13:09 | YP/AJ    | Ok     |
| 8   | PB165646BS   | PO108546.D     | 16 Dec 2024 13:28 | YP/AJ    | Ok     |
| 9   | P5268-01     | PO108547.D     | 16 Dec 2024 13:46 | YP/AJ    | Ok     |
| 10  | P5268-01MS   | PO108548.D     | 16 Dec 2024 14:04 | YP/AJ    | Ok,M   |
| 11  | P5268-01MSD  | PO108549.D     | 16 Dec 2024 14:23 | YP/AJ    | Ok,M   |
| 12  | P5277-01     | PO108550.D     | 16 Dec 2024 14:41 | YP/AJ    | Ok     |
| 13  | P5277-02     | PO108551.D     | 16 Dec 2024 14:59 | YP/AJ    | Ok     |
| 14  | P5277-03     | PO108552.D     | 16 Dec 2024 15:18 | YP/AJ    | Ok     |
| 15  | P5279-01     | PO108553.D     | 16 Dec 2024 15:36 | YP/AJ    | Ok     |
| 16  | P5287-01     | PO108554.D     | 16 Dec 2024 15:54 | YP/AJ    | Ok,M   |
| 17  | AR1660CCC500 | PO108555.D     | 16 Dec 2024 16:27 | YP/AJ    | Ok     |
| 18  | AR1242CCC500 | PO108556.D     | 16 Dec 2024 16:45 | YP/AJ    | Ok     |
| 19  | AR1248CCC500 | PO108557.D     | 16 Dec 2024 17:04 | YP/AJ    | Ok     |
| 20  | AR1254CCC500 | PO108558.D     | 16 Dec 2024 17:22 | YP/AJ    | Ok,M   |
| 21  | I.BLK        | PO108559.D     | 16 Dec 2024 17:40 | YP/AJ    | Ok     |

Instrument ID: ECD\_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121624

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 12/17/2024 7:56:43 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 12/17/2024 9:41:54 AM         |
| SubDirectory             | PO121624                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO120624 |
| <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 | P5287-03     | PO108560.D | 16 Dec 2024 17:59 | YP/AJ | Ok   |
| 23 | PB165649BL   | PO108561.D | 16 Dec 2024 18:17 | YP/AJ | Ok   |
| 24 | PB165649BS   | PO108562.D | 16 Dec 2024 18:35 | YP/AJ | Ok   |
| 25 | PB165649BSD  | PO108563.D | 16 Dec 2024 18:54 | YP/AJ | Ok   |
| 26 | P5283-02     | PO108564.D | 16 Dec 2024 19:12 | YP/AJ | Ok   |
| 27 | P5286-01     | PO108565.D | 16 Dec 2024 19:30 | YP/AJ | Ok   |
| 28 | P5291-13     | PO108566.D | 16 Dec 2024 19:49 | YP/AJ | Ok   |
| 29 | P5287-05     | PO108567.D | 16 Dec 2024 20:07 | YP/AJ | Ok   |
| 30 | AR1660CCC500 | PO108568.D | 16 Dec 2024 20:54 | YP/AJ | Ok   |
| 31 | AR1242CCC500 | PO108569.D | 16 Dec 2024 21:12 | YP/AJ | Ok   |
| 32 | AR1248CCC500 | PO108570.D | 16 Dec 2024 21:30 | YP/AJ | Ok   |
| 33 | AR1254CCC500 | PO108571.D | 16 Dec 2024 21:49 | YP/AJ | Ok,M |
| 34 | I.BLK        | PO108572.D | 16 Dec 2024 22:07 | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

### Daily Analysis Runlog For Sequence/QC Batch ID # PO120624

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 12/9/2024 11:00:19 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 12/9/2024 11:03:08 AM         |
| SubDirectory             | PO120624                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO120624 |
| <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             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PO108360.D     | 06 Dec 2024 13:43 |         | YP/AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PO108361.D     | 06 Dec 2024 14:01 |         | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PO108362.D     | 06 Dec 2024 14:19 |         | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | AR1660ICC750  | PO108363.D     | 06 Dec 2024 14:38 |         | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | AR1660ICC500  | PO108364.D     | 06 Dec 2024 14:56 |         | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PO108365.D     | 06 Dec 2024 15:14 |         | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | AR1660ICC050  | PO108366.D     | 06 Dec 2024 15:33 |         | YP/AJ    | Ok,M   |
| 8   | AR1221ICC500  | AR1221ICC500  | PO108367.D     | 06 Dec 2024 15:51 |         | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | AR1232ICC500  | PO108368.D     | 06 Dec 2024 16:09 |         | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | AR1242ICC1000 | PO108369.D     | 06 Dec 2024 16:28 |         | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | AR1242ICC750  | PO108370.D     | 06 Dec 2024 16:46 |         | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | AR1242ICC500  | PO108371.D     | 06 Dec 2024 17:04 |         | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | AR1242ICC250  | PO108372.D     | 06 Dec 2024 17:23 |         | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | AR1242ICC050  | PO108373.D     | 06 Dec 2024 17:41 |         | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | AR1248ICC1000 | PO108374.D     | 06 Dec 2024 17:59 |         | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | AR1248ICC750  | PO108375.D     | 06 Dec 2024 18:18 |         | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | AR1248ICC500  | PO108376.D     | 06 Dec 2024 18:36 |         | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | AR1248ICC250  | PO108377.D     | 06 Dec 2024 18:54 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO120624**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 12/9/2024 11:00:19 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 12/9/2024 11:03:08 AM         |
| SubDirectory             | PO120624                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO120624 |
| <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      | PO108378.D | 06 Dec 2024 19:13 |  | YP/AJ | Ok,M |
| 20 | AR1254ICC1000  | AR1254ICC1000     | PO108379.D | 06 Dec 2024 19:31 |  | YP/AJ | Ok   |
| 21 | AR1254ICC750   | AR1254ICC750      | PO108380.D | 06 Dec 2024 19:49 |  | YP/AJ | Ok   |
| 22 | AR1254ICC500   | AR1254ICC500      | PO108381.D | 06 Dec 2024 20:08 |  | YP/AJ | Ok   |
| 23 | AR1254ICC250   | AR1254ICC250      | PO108382.D | 06 Dec 2024 20:26 |  | YP/AJ | Ok   |
| 24 | AR1254ICC050   | AR1254ICC050      | PO108383.D | 06 Dec 2024 20:44 |  | YP/AJ | Ok,M |
| 25 | AR1262ICC500   | AR1262ICC500      | PO108384.D | 06 Dec 2024 21:03 |  | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | AR1268ICC1000     | PO108385.D | 06 Dec 2024 21:21 |  | YP/AJ | Ok   |
| 27 | AR1268ICC750   | AR1268ICC750      | PO108386.D | 06 Dec 2024 21:39 |  | YP/AJ | Ok   |
| 28 | AR1268ICC500   | AR1268ICC500      | PO108387.D | 06 Dec 2024 21:58 |  | YP/AJ | Ok   |
| 29 | AR1268ICC250   | AR1268ICC250      | PO108388.D | 06 Dec 2024 22:16 |  | YP/AJ | Ok   |
| 30 | AR1268ICC050   | AR1268ICC050      | PO108389.D | 06 Dec 2024 22:34 |  | YP/AJ | Ok   |
| 31 | PO120624ICV500 | ICVPO120624       | PO108390.D | 06 Dec 2024 22:53 |  | YP/AJ | Ok   |
| 32 | AR1242ICV500   | ICVPO120624AR1242 | PO108391.D | 06 Dec 2024 23:11 |  | YP/AJ | Ok   |
| 33 | AR1248ICV500   | ICVPO120624AR1248 | PO108392.D | 06 Dec 2024 23:29 |  | YP/AJ | Ok   |
| 34 | AR1254ICV500   | ICVPO120624AR1254 | PO108393.D | 06 Dec 2024 23:48 |  | YP/AJ | Ok   |
| 35 | AR1268ICV500   | ICVPO120624AR1268 | PO108394.D | 07 Dec 2024 00:06 |  | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

### Daily Analysis Runlog For Sequence/QC Batch ID # PO121624

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 12/17/2024 7:56:43 AM         |
| Supervise By | Ankita   | Supervise On      | 12/17/2024 9:41:54 AM         |
| SubDirectory | PO121624 | HP Acquire Method | HP Processing Method PO120624 |

| 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            | PO108539.D     | 16 Dec 2024 09:17 |            | YP/AJ    | Ok     |
| 2   | AR1660CCC500 | AR1660CCC500      | PO108540.D     | 16 Dec 2024 09:35 |            | YP/AJ    | Ok     |
| 3   | AR1242CCC500 | AR1242CCC500      | PO108541.D     | 16 Dec 2024 10:28 |            | YP/AJ    | Ok     |
| 4   | AR1248CCC500 | AR1248CCC500      | PO108542.D     | 16 Dec 2024 10:46 |            | YP/AJ    | Ok     |
| 5   | AR1254CCC500 | AR1254CCC500      | PO108543.D     | 16 Dec 2024 11:05 |            | YP/AJ    | Ok,M   |
| 6   | I.BLK        | I.BLK             | PO108544.D     | 16 Dec 2024 11:23 |            | YP/AJ    | Ok     |
| 7   | PB165646BL   | PB165646BL        | PO108545.D     | 16 Dec 2024 13:09 |            | YP/AJ    | Ok     |
| 8   | PB165646BS   | PB165646BS        | PO108546.D     | 16 Dec 2024 13:28 |            | YP/AJ    | Ok     |
| 9   | P5268-01     | OR-02-12122024    | PO108547.D     | 16 Dec 2024 13:46 |            | YP/AJ    | Ok     |
| 10  | P5268-01MS   | OR-02-12122024MS  | PO108548.D     | 16 Dec 2024 14:04 |            | YP/AJ    | Ok,M   |
| 11  | P5268-01MSD  | OR-02-12122024MSD | PO108549.D     | 16 Dec 2024 14:23 |            | YP/AJ    | Ok,M   |
| 12  | P5277-01     | COMP-1A           | PO108550.D     | 16 Dec 2024 14:41 |            | YP/AJ    | Ok     |
| 13  | P5277-02     | COMP-2A           | PO108551.D     | 16 Dec 2024 14:59 |            | YP/AJ    | Ok     |
| 14  | P5277-03     | COMP-3A           | PO108552.D     | 16 Dec 2024 15:18 |            | YP/AJ    | Ok     |
| 15  | P5279-01     | ROCKAWAY-PARK     | PO108553.D     | 16 Dec 2024 15:36 |            | YP/AJ    | Ok     |
| 16  | P5287-01     | STONES-A          | PO108554.D     | 16 Dec 2024 15:54 | AR1260 Hit | YP/AJ    | Ok,M   |
| 17  | AR1660CCC500 | AR1660CCC500      | PO108555.D     | 16 Dec 2024 16:27 |            | YP/AJ    | Ok     |
| 18  | AR1242CCC500 | AR1242CCC500      | PO108556.D     | 16 Dec 2024 16:45 |            | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO121624**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 12/17/2024 7:56:43 AM         |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 12/17/2024 9:41:54 AM         |
| SubDirectory             | PO121624                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO120624 |
| <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 | AR1248CCC500 | AR1248CCC500      | PO108557.D | 16 Dec 2024 17:04 |  | YP/AJ | Ok   |
| 20 | AR1254CCC500 | AR1254CCC500      | PO108558.D | 16 Dec 2024 17:22 |  | YP/AJ | Ok,M |
| 21 | I.BLK        | I.BLK             | PO108559.D | 16 Dec 2024 17:40 |  | YP/AJ | Ok   |
| 22 | P5287-03     | STONES-B          | PO108560.D | 16 Dec 2024 17:59 |  | YP/AJ | Ok   |
| 23 | PB165649BL   | PB165649BL        | PO108561.D | 16 Dec 2024 18:17 |  | YP/AJ | Ok   |
| 24 | PB165649BS   | PB165649BS        | PO108562.D | 16 Dec 2024 18:35 |  | YP/AJ | Ok   |
| 25 | PB165649BSD  | PB165649BSD       | PO108563.D | 16 Dec 2024 18:54 |  | YP/AJ | Ok   |
| 26 | P5283-02     | TT-RW10A-IDWGW-20 | PO108564.D | 16 Dec 2024 19:12 |  | YP/AJ | Ok   |
| 27 | P5286-01     | 120424-COMP       | PO108565.D | 16 Dec 2024 19:30 |  | YP/AJ | Ok   |
| 28 | P5291-13     | WC-20241213       | PO108566.D | 16 Dec 2024 19:49 |  | YP/AJ | Ok   |
| 29 | P5287-05     | 220-2-TRANS-WATER | PO108567.D | 16 Dec 2024 20:07 |  | YP/AJ | Ok   |
| 30 | AR1660CCC500 | AR1660CCC500      | PO108568.D | 16 Dec 2024 20:54 |  | YP/AJ | Ok   |
| 31 | AR1242CCC500 | AR1242CCC500      | PO108569.D | 16 Dec 2024 21:12 |  | YP/AJ | Ok   |
| 32 | AR1248CCC500 | AR1248CCC500      | PO108570.D | 16 Dec 2024 21:30 |  | YP/AJ | Ok   |
| 33 | AR1254CCC500 | AR1254CCC500      | PO108571.D | 16 Dec 2024 21:49 |  | YP/AJ | Ok,M |
| 34 | I.BLK        | I.BLK             | PO108572.D | 16 Dec 2024 22:07 |  | YP/AJ | Ok   |

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction PCB-14

**Clean Up SOP #:** Acid Cleanup **Extraction Start Date :** 12/16/2024

**Matrix :** Water **Extraction Start Time :** 08:50

**Welgh By:** N/A **Extraction By:** RJ **Extraction End Date :** 12/16/2024

**Balance check:** N/A **Filter By:** RJ **Extraction End Time :** 16:45

**Balance ID:** N/A **pH Meter ID:** N/A **Concentration By:** RS

**pH Strip Lot#:** E3574 **Hood ID:** 4,6,7 **Supervisor By :** rajesh

**Extraction Method:** ☒ Separatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standarded Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-----------------|----------|---------------------|---------------------|
| Surrogate       | 1.0ML    | 200 PPB             | PP23985             |
| Spike Sol 1     | 1.0ML    | 5000 PPB            | PP23913             |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3845      |
| Baked Na2SO4       | N/A            | EP2571     |
| Hexane             | N/A            | E3844      |
| 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. P5243-01,02 Limited volume used as samples are Oily matrix. P5283-02,5291-13  
Added in batch at 12:00.

**KD Bath ID:** WATER BATH-1,2 **Envap ID:** NEVAP-02

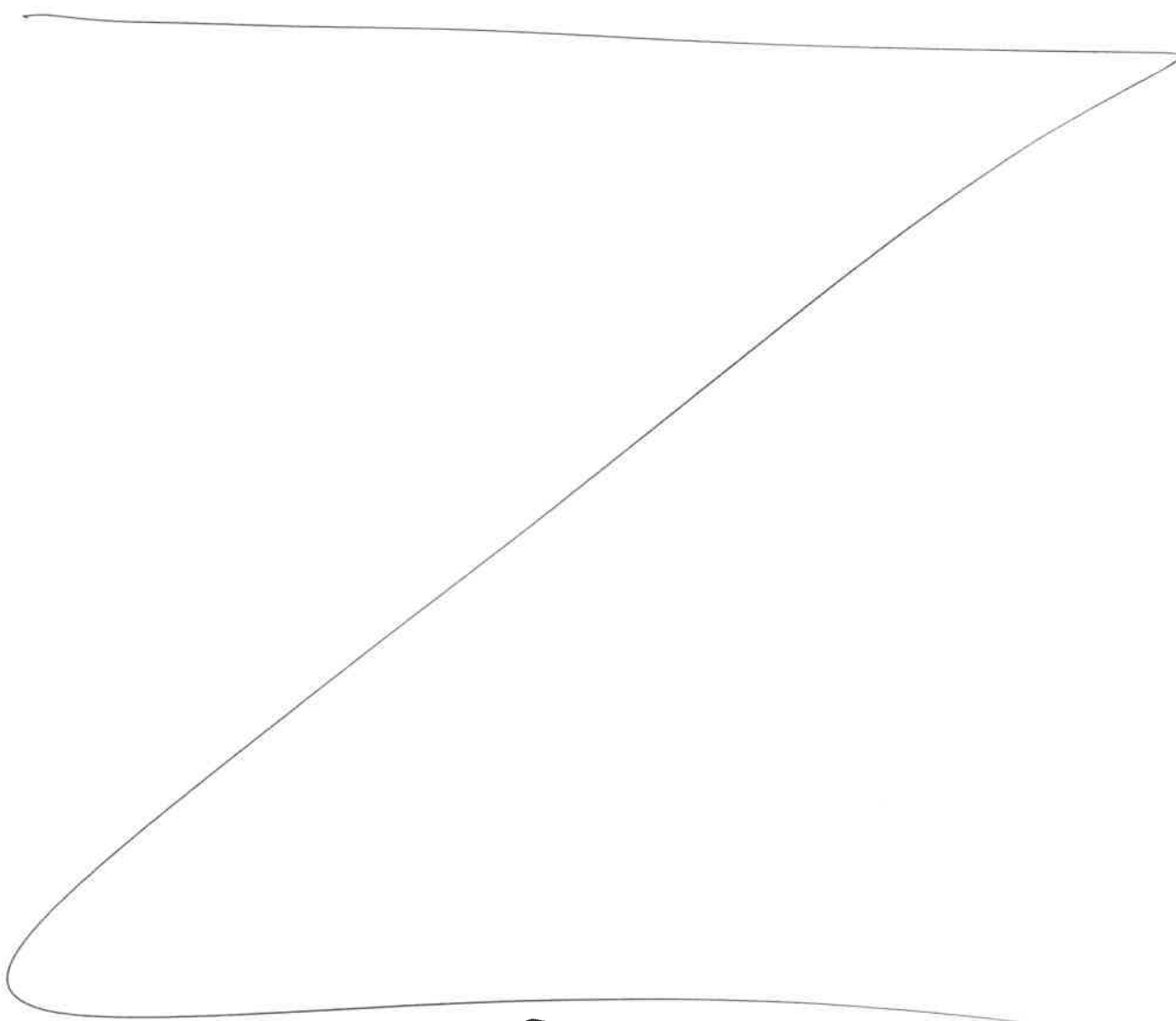
**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 12/16/24<br>16:50 | RP (Ext. Lab)                           | AJL/KST PCA Lab      |
|                   | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 12/16/2024

| Sample ID       | Client Sample ID            | Test | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|-----------------------------|------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                             |      |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB165649BL      | ABLK649                     | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | SEP-1       |
| PB165649BS      | ALCS649                     | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 2           |
| PB165649BS<br>D | ALCSD649                    | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 3           |
| P5283-02        | TT-RW10A-IDWGW-2024<br>1213 | PCB  | 970    | 6  | RUPESH         | ritesh     | 10                 | F     |          | 4           |
| P5286-01        | 120424-COMP                 | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 | B     |          | 5           |
| P5287-05        | 220-2-TRANS-WATER           | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 | B     |          | 6           |
| P5291-13        | WC-20241213                 | PCB  | 1000   | 6  | RUPESH         | ritesh     | 10                 | F     |          | 7           |



\* Extracts relinquished on the same date as received.

*D*  
12/16/24

1650649  
8:50

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5286

WorkList ID : 186355

Department : Extraction

Date : 12-16-2024 08:43:12

| Sample   | Customer Sample   | Matrix | Test | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-------------------|--------|------|--------------|----------|-----------------------------------|--------------|--------|
| P5286-01 | 120424-COMP       | Water  | PCB  | Cool 4 deg C | PSEG03   | L41                               | 12/13/2024   | 8082A  |
| P5287-05 | 220-2-TRANS-WATER | Water  | PCB  | Cool 4 deg C | PSEG03   | L61                               | 12/13/2024   | 8082A  |

Date/Time 12/16/24 8:45

Raw Sample Received by: RJ (Set 164)

Raw Sample Relinquished by: JDCSM

P5283-PCB

Date/Time 12/16/24 9:05

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: RJ (Set 164)

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5283

WorkList ID : 186374

Department : Extraction

Date : 12-16-2024 12:00:30

| Sample   | Customer Sample         | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-------------------------|--------|------|--------------|----------|-----------------------------|--------------|--------|
| P5283-02 | TT-RW10A-IDWGW-20241213 | Water  | PCB  | Cool 4 deg C | TETR06   | L61                         | 12/13/2024   | 8082A  |
| P5291-13 | WC-20241213             | Water  | PCB  | Cool 4 deg C | PARS02   | L51                         | 12/13/2024   | 8082A  |

Date/Time 12/16/24 12:00  
 Raw Sample Received by: RS CEOL 12/16  
 Raw Sample Relinquished by: RM SM

Date/Time 12/16/24 12:15  
 Raw Sample Received by: RM SM  
 Raw Sample Relinquished by: RS CEOL 12/16

## Prep Standard - Chemical Standard Summary

**Order ID :** P5283

**Test :** PCB

**Prepbatch ID :** PB165649,

**Sequence ID/Qc Batch ID:** PO121624,

**Standard ID :**

EP2565,EP2571,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,PP23913,PP23946,PP23947,PP23985,

**Chemical ID :**

E3551,E3804,E3805,E3822,E3825,E3827,E3844,E3845,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13104,P13109,P13350,P13352,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>       |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|----------------------------------|------------------|----------------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2571</a> | 12/11/2024       | 01/03/2025             | Rajesh Parikh      | Extraction_SC ALE_2<br>(EX-SC-2) | None             | Yogesh Patel<br>12/16/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

## 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>       |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 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

| <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<br>10/03/2024 |

**FROM** 0.10000ml of P10483 + 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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         |
|                  |                                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P12947 + 9.00000ml of E3804 = 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> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 405              | AR1660 1000/100 PPB ICV STD | <a href="#">PP23777</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

| <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

## 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> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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

## 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> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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         |
|                  |                                            |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P11507 + 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> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1888             | AR1232 500 PPB ICV | <a href="#">PP23783</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

| <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

## 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>       |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 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<br>10/03/2024 |

**FROM** 0.10000ml of P11512 + 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>       |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1892             | AR1248 500 PPB ICV | <a href="#">PP23786</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 PP23785 = 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>       |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 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<br>10/03/2024 |

**FROM** 1.00000ml of P12957 + 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>       |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1894             | AR1254 500 PPB ICV | <a href="#">PP23788</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 PP23787 = 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> |
|------------------|------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

| <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         |
|                  |                        |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = 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> |
|------------------|------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3609             | 20 PPM DRO SPIKE SOLUTION (RESTEK) | <a href="#">PP23913</a> | 10/25/2024       | 04/23/2025             | Yogesh Patel       | None           | None             | Ankita Jodhani       |
|                  |                                    |                         |                  |                        |                    |                |                  | 10/25/2024           |

**FROM** 1.00000ml of P13104 + 1.00000ml of P13109 + 48.00000ml of E3822 = Final Quantity: 50.000 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. 2nd source | <a href="#">PP23946</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                          |                         |                  |                        |                    |                |                  | 11/13/2024           |

**FROM** 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## 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> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP23985</a> | 11/15/2024       | 05/08/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 11/18/2024           |

**FROM** 1.00000ml of P13352 + 999.00000ml of E3827 = 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 # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| 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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24I2662006 | 04/23/2025      | 10/24/2024 / Rajesh     | 10/24/2024 / Rajesh         | E3822          |

| 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) | 24H1462005 | 05/08/2025      | 11/08/2024 / Rajesh     | 11/07/2024 / Rajesh         | E3827          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 06/09/2025      | 12/09/2024 / Rajesh     | 12/05/2024 / Rajesh         | E3844          |

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24H2762011 | 06/06/2025      | 12/06/2024 / Rajesh     | 11/11/2024 / Rajesh         | E3845          |

| Supplier         | ItemCode / ItemName                                     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000281827 | 06/02/2025      | 06/01/2022 /            | 04/05/2022 / william        | M5173          |

| Supplier | ItemCode / ItemName                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul | A0163157 | 04/03/2025      | 10/03/2024 / Ankita     | 03/19/2021 / Abdul          | P10483         |

| Supplier | ItemCode / ItemName                                       | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane | A0167722 | 04/03/2025      | 10/03/2024 / Ankita     | 03/19/2021 / Ankita         | P10500         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-312-1 / Aroclor 1242 | 0006665550 | 04/03/2025      | 10/03/2024 / Ankita     | 02/21/2022 / Ankita         | P11507         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-342-1 / Aroclor 1248 | 0006626997 | 04/03/2025      | 10/03/2024 / Ankita     | 02/21/2022 / Ankita         | P11512         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-382-1 / Aroclor 1268 | 0006587800 | 05/07/2025      | 11/07/2024 / Ankita     | 02/21/2022 / Ankita         | P11521         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul | A0175456 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11581         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul | A0173309 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11587         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul | A0175403 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11590         |

| Supplier | ItemCode / ItemName                                       | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane | A0181782 | 04/03/2025      | 10/03/2024 / Ankita     | 03/18/2022 / Abdul          | P11597         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                | ItemCode / ItemName            | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|--------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc | 91867 / Aroclor 1232 100 ug/mL | 020823 | 04/03/2025      | 10/03/2024 / Ankita     | 08/07/2023 / Ankita         | P12698         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul | a0203672 | 04/03/2025      | 10/03/2024 / Ankita     | 12/07/2023 / Ankita         | P12929         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul | a0202803 | 04/03/2025      | 10/03/2024 / Ankita     | 12/07/2023 / Ankita         | P12934         |

| Supplier                 | ItemCode / ItemName       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 20064 / Aroclor 1016/1260 | 022023 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P12947         |

| Supplier                 | ItemCode / ItemName | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / Aroclor 1254      | 121823 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P12957         |

| Supplier                | ItemCode / ItemName  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|----------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P13033         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31266 / Florida TRPH Standard | A0204859 | 04/25/2025      | 10/25/2024 / yogesh     | 01/12/2024 / Yogesh         | P13104         |

| Supplier | ItemCode / ItemName           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31266 / Florida TRPH Standard | A0204859 | 04/25/2025      | 10/25/2024 / yogesh     | 01/12/2024 / Yogesh         | P13109         |

| 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 | 05/15/2025      | 11/15/2024 / Ankita     | 04/22/2024 / Abdul          | P13352         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025      | 10/03/2024 / Ankita     | 05/02/2024 / Ankita         | P13372         |

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------|---------------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 / Iwona      | 07/03/2024 / Iwona          | W3112          |



**PRODUCTOS  
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

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)

avantorsm



Material No.: 9266-A4  
Batch No.: 24I2662006  
Manufactured Date: 2024-08-29  
Expiration Date: 2025-11-28  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                             | Specification  | Result  |
|--------------------------------------------------------------------------------------------------|----------------|---------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                             | $\leq 5$       | 2       |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)                             | $\leq 10$      | 3       |
| Assay (CH <sub>2</sub> Cl <sub>2</sub> ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 99.9 %  |
| Color (APHA)                                                                                     | $\leq 10$      | 5       |
| Residue after Evaporation                                                                        | $\leq 1.0$ ppm | 0.2 ppm |
| Titration Acid ( $\mu$ eq/g)                                                                     | $\leq 0.3$     | <0.1    |
| Chloride (Cl)                                                                                    | $\leq 10$ ppm  | <5 ppm  |
| Water (by KF, coulometric)                                                                       | $\leq 0.02\%$  | <0.01 % |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3822

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  
364 of 437

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9254-03  
Batch No.: 24H1462005  
Manufactured Date: 2024-05-24  
Expiration Date: 2027-05-24  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 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 %      | 0.2 %       |
| 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

E 3827

Recd. by RS on ~~11/8/24~~ 11/7/24  
RS  
11/7

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

Recd by RP on 12/5/24

E 3844

J. Croak

Jamie Croak  
Director Quality Operations, Bioscience Production

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)

avantor™



Material No.: 9266-A4

Batch No.: 24H2762011

Manufactured Date: 2024-06-05

Expiration Date: 2025-09-04

Revision No.: 0

## Certificate of Analysis

| Test                                                                                       | Specification  | Result     |
|--------------------------------------------------------------------------------------------|----------------|------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                       | $\leq 5$       | 2          |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)                        | $\leq 10$      | 5          |
| Assay ( $\text{CH}_2\text{Cl}_2$ ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 100.0%     |
| Color (APHA)                                                                               | $\leq 10$      | 5          |
| Residue after Evaporation                                                                  | $\leq 1.0$ ppm | 0.3 ppm    |
| Titration Acid ( $\mu\text{eq/g}$ )                                                        | $\leq 0.3$     | $< 0.1$    |
| Chloride (Cl)                                                                              | $\leq 10$ ppm  | $< 5$ ppm  |
| Water (by KF, coulometric)                                                                 | $\leq 0.02\%$  | $< 0.01\%$ |

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E 3845

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Hydrochloric Acid, 36.5–38.0%  
BAKER INSTRA-ANALYZED® Reagent  
For Trace Metal Analysis



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:**

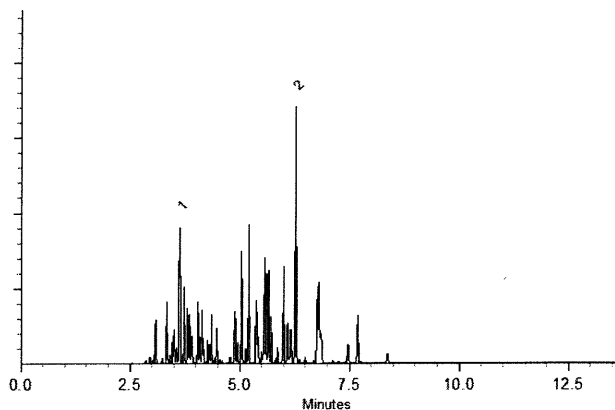
250°C

**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  
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P10500

AJ  
09/19/21

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

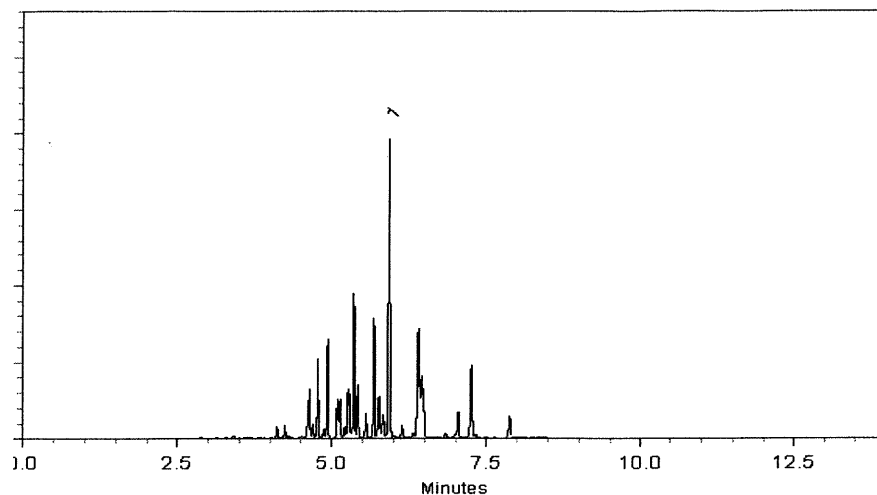
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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

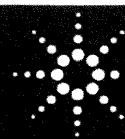
**Date Mixed:** 03-Jan-2021      **Balance:** B707717271

*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

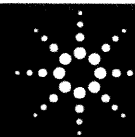
[www.agilent.com/quality/](http://www.agilent.com/quality/)

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

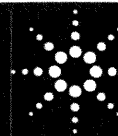
P11508

↓  
P11512

AJ

2/21/22

ISO 17034



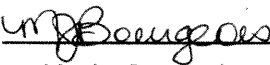
**Agilent**

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.

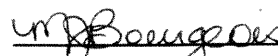
**Expiration of Certification:**

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



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# 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)

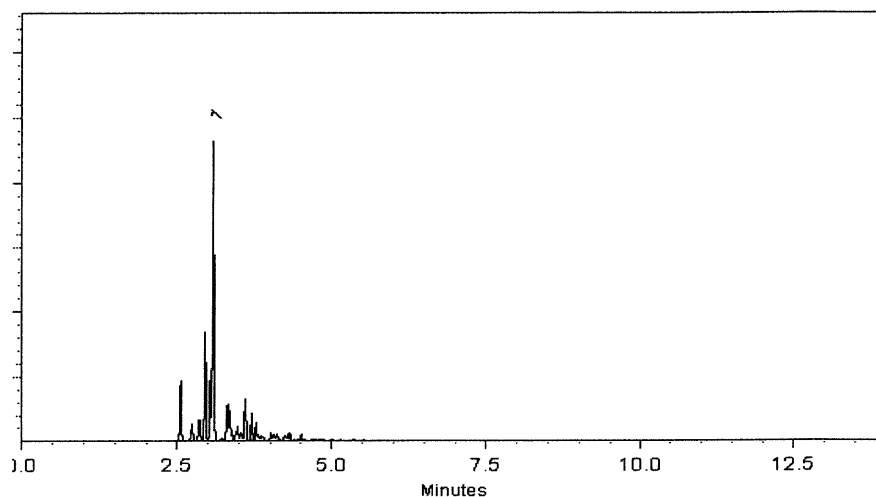
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
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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)

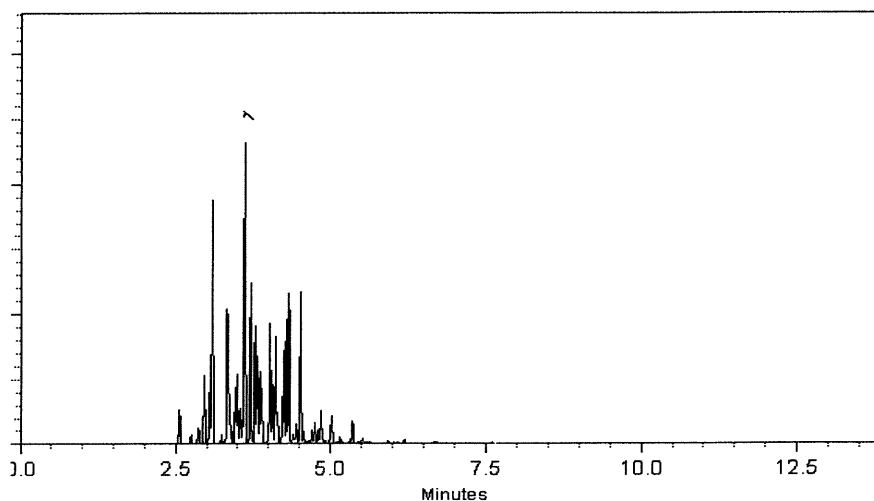
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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      (5)

AR  
04/30/22



# CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

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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:**

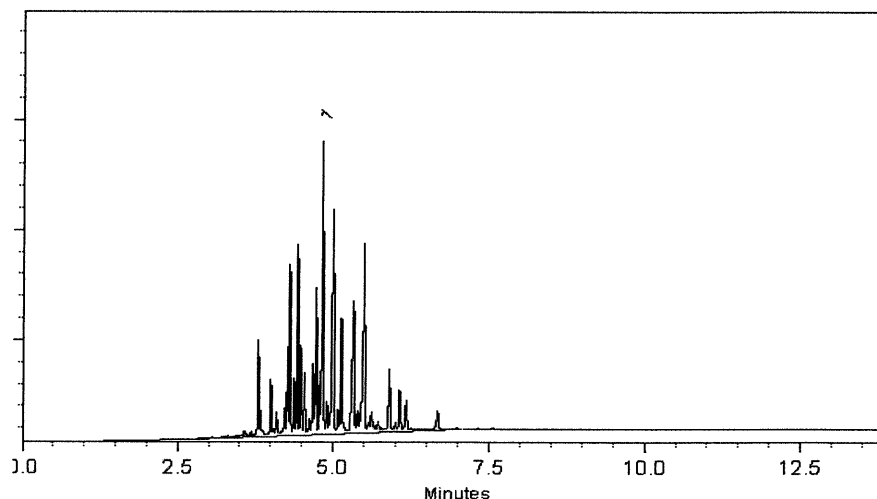
250°C

**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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Tel: (800)356-1688  
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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                    | 1,001.4 µg/mL               | +/- 5.9480 µg/mL Gravimetric         |
|               | CAS # 11100-14-4 (Lot 10947000) |                             | +/- 31.7516 µg/mL Unstressed         |
|               | Purity ----%                    |                             | +/- 41.4710 µg/mL Stressed           |

**Solvent:** Hexane  
CAS # 110-54-3  
Purity 99%

P 11593  
↓  
P 11597  
LAR  
04/30/2022

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

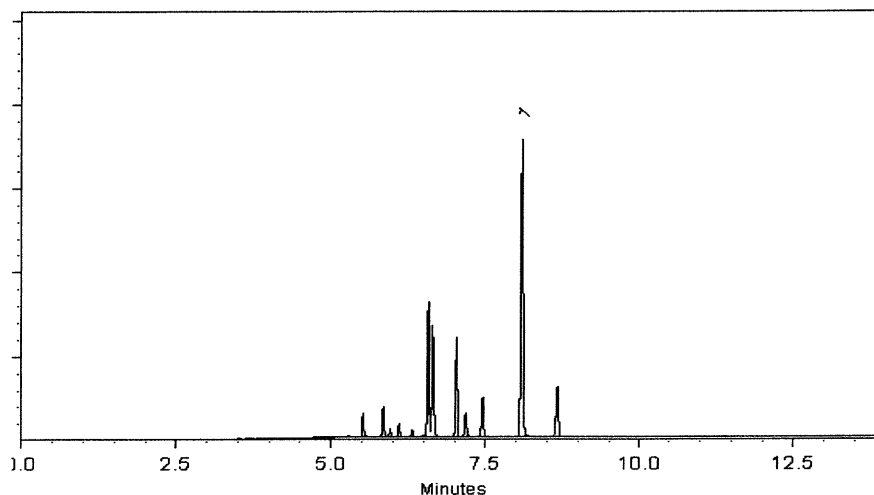
**Carrier Gas:**  
helium-constant pressure 20 psi.

**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  
A  
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

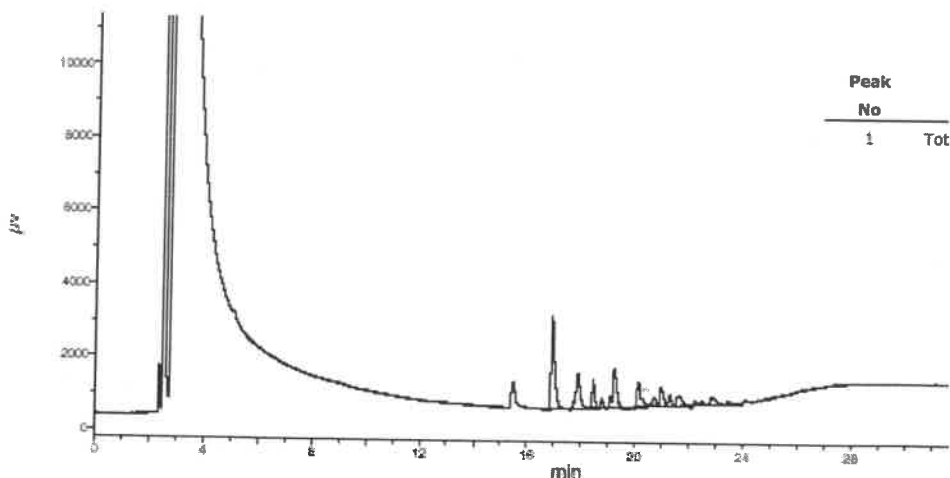
0.057 Flask Uncertainty

| 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:**

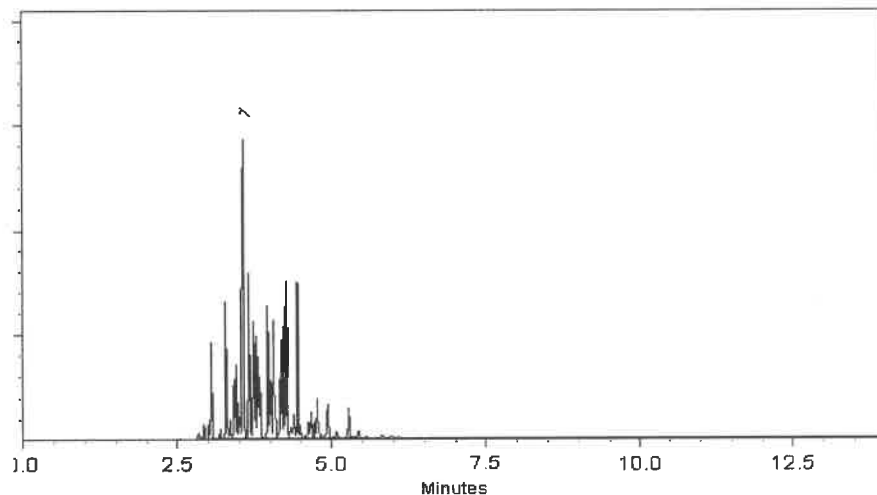
ECD

**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:**

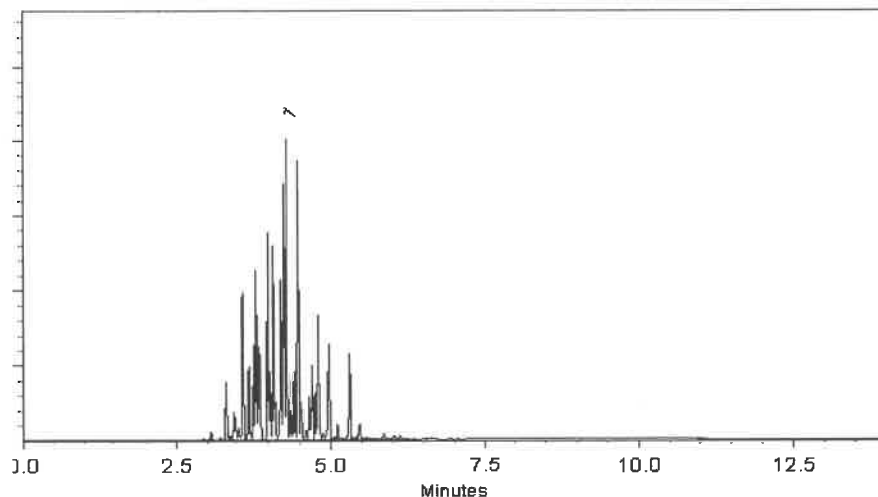
ECD

**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> |

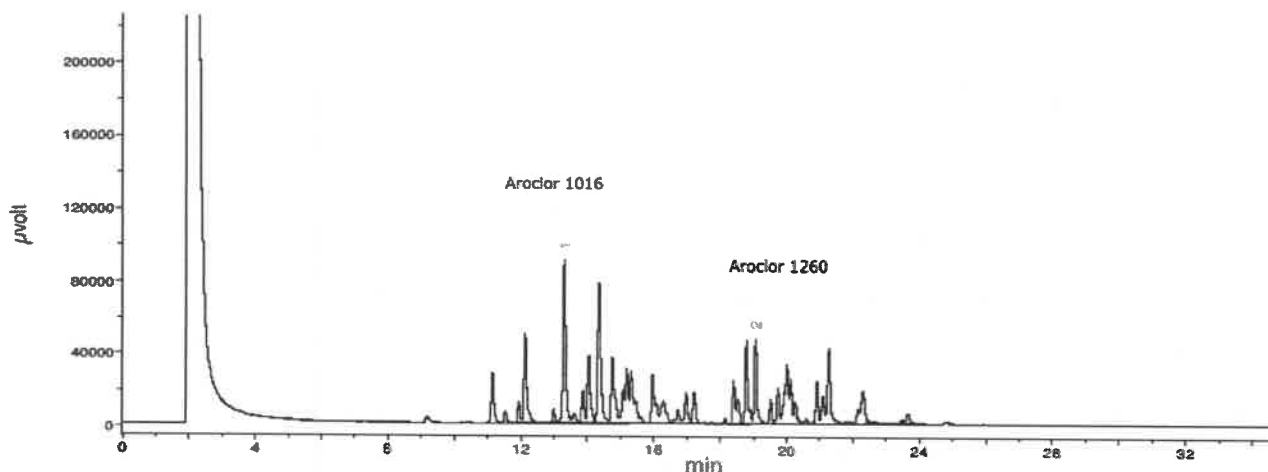
P12946  
↓  
P12955  
748  
12/20

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

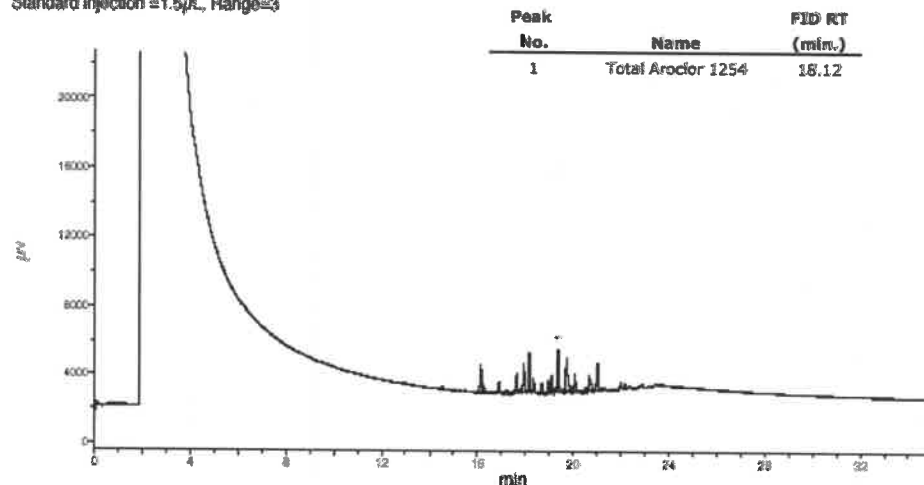
Expiration Date: 121833  
Recommended Storage: Ambient (20 °C)  
Nominal Concentration (µg/mL): 100  
NIST Test ID#: 6UTB  
Volume(s) shown below were combined and diluted to (mL): 20.0  
Note: Aroclor 1254 is a mix of isomers.

| 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

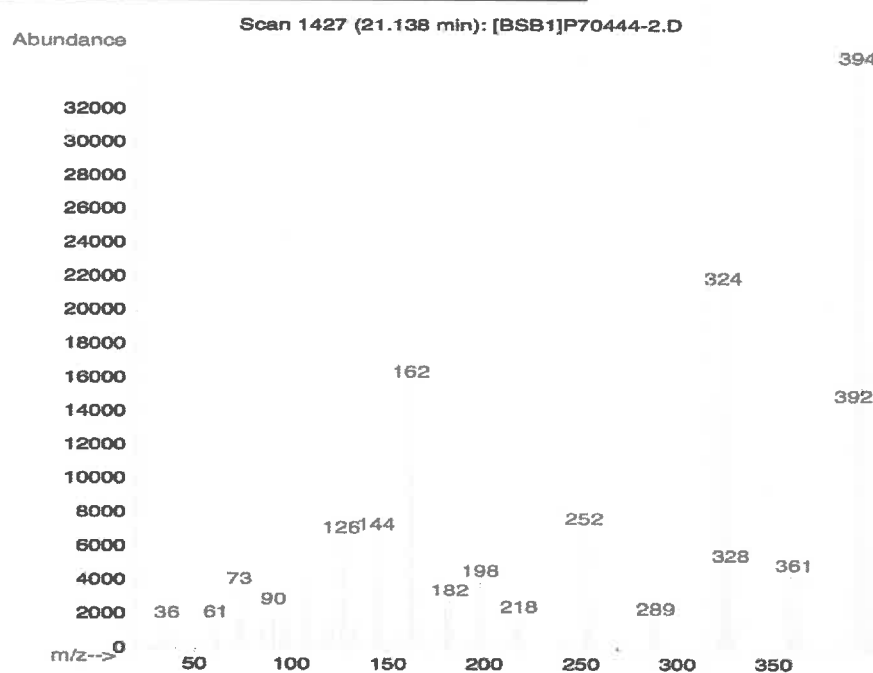
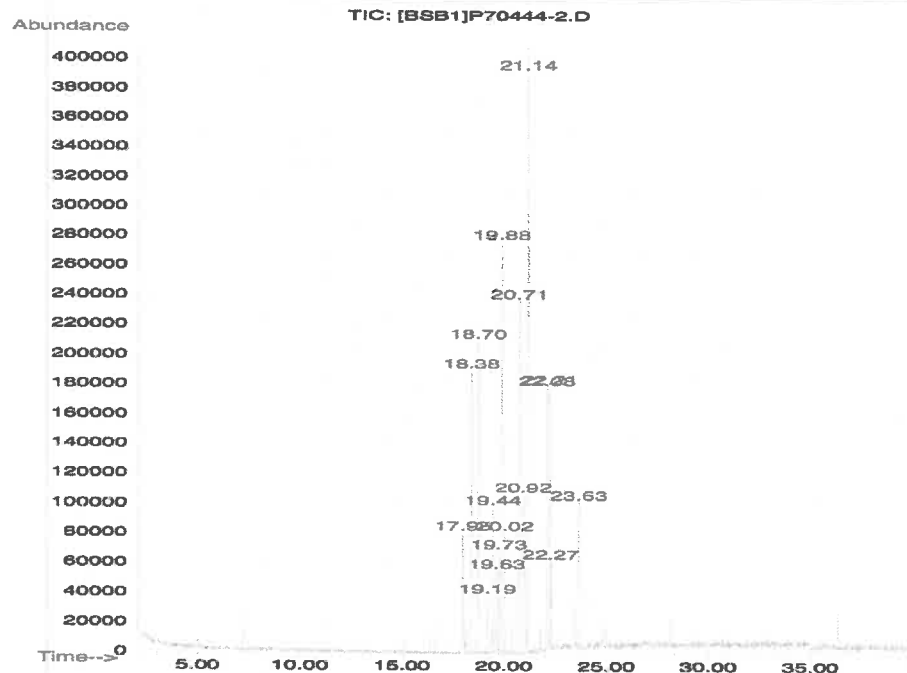
Expanded  
 Uncertainty  
 (+/-) (µg/mL)

**SDS Information**  
 (Solvent Safety Info. On Attached pg.)

CAS# OSHA PEL (TWA) LD50

| 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) | 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).

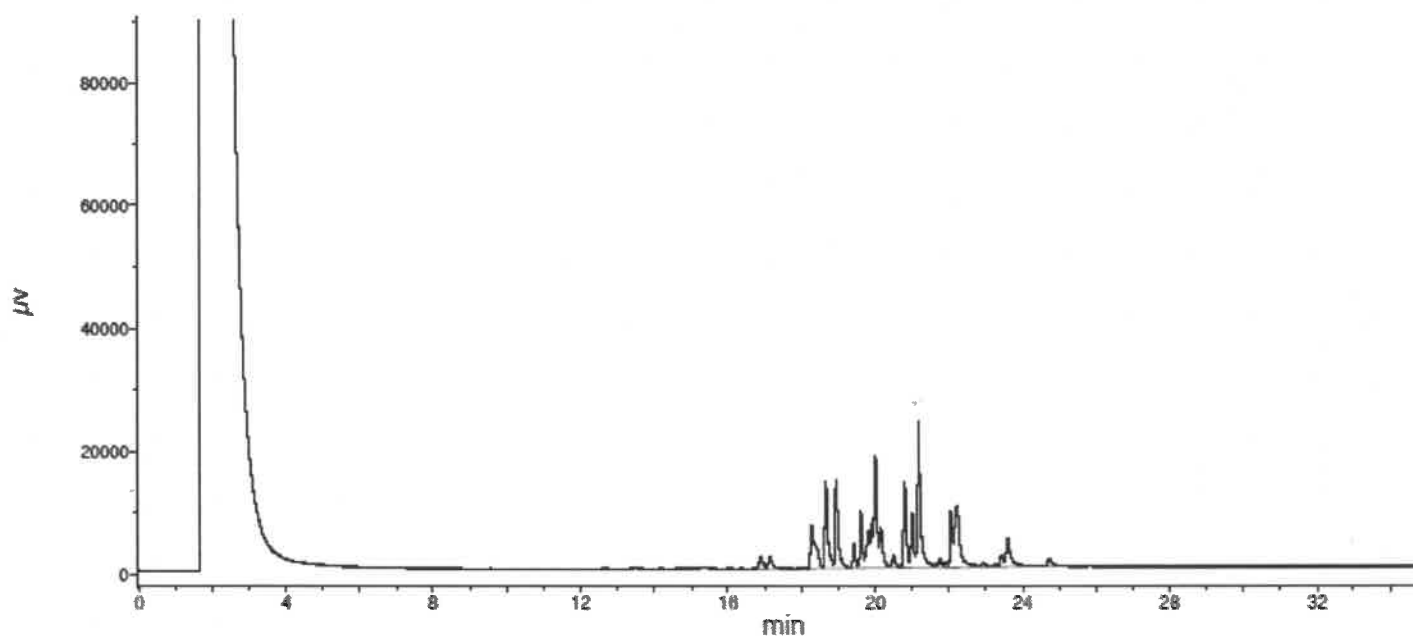


## Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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





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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. :** 31266 **Lot No.:** A0204859

**Description :** Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2030 **Storage:** 25°C nominal

**Handling:** Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.  
↓  
P13112 } 01/12/2024

### CERTIFIED VALUES

| Elution Order | Compound                 | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | n-Octane (C8)            | 111-65-9   | SHBP9758   | 99%    | 504.4 µg/mL                 | +/- 13.0305                            |
| 2             | n-Decane (C10)           | 124-18-5   | SHBQ1342   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 3             | n-Dodecane (C12)         | 112-40-3   | SHBP7054   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 4             | n-Tetradecane (C14)      | 629-59-4   | STBK5437   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 5             | n-Hexadecane (C16)       | 544-76-3   | SHBP8192   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 6             | n-Octadecane (C18)       | 593-45-3   | UE5NG      | 98%    | 504.1 µg/mL                 | +/- 13.0230                            |
| 7             | n-Eicosane (C20)         | 112-95-8   | MKCN8767   | 97%    | 504.0 µg/mL                 | +/- 13.0204                            |
| 8             | n-Docosane (C22)         | 629-97-0   | MKCQ3882   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 9             | n-Tetracosane (C24)      | 646-31-1   | MKCQ8345   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 10            | n-Hexacosane (C26)       | 630-01-3   | MKCQ4814   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 11            | n-Octacosane (C28)       | 630-02-4   | BCCG0084   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 12            | n-Triacontane (C30)      | 638-68-6   | MKCQ9436   | 97%    | 504.0 µg/mL                 | +/- 13.0204                            |
| 13            | n-Dotriacontane (C32)    | 544-85-4   | BCBW0661   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 14            | n-Tetratriacontane (C34) | 14167-59-0 | OML4N      | 99%    | 504.4 µg/mL                 | +/- 13.0305                            |
| 15            | n-Hexatriacontane (C36)  | 630-06-8   | Z27H018    | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 16            | n-Octatriacontane (C38)  | 7194-85-6  | 0000145137 | 96%    | 503.8 µg/mL                 | +/- 13.0152                            |
| 17            | n-Tetracontane (C40)     | 4181-95-7  | OKEGA      | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

## Quality Confirmation Test

**Column:**  
 30m x 0.25mm x 0.25µm  
 Rtx-5 (cat.#10223)

**Carrier Gas:**  
 hydrogen-constant pressure 10 psi.

**Temp. Program:**  
 40°C (hold 2 min.) to 330°C  
 @ 10°C/min. (hold 10 min.)

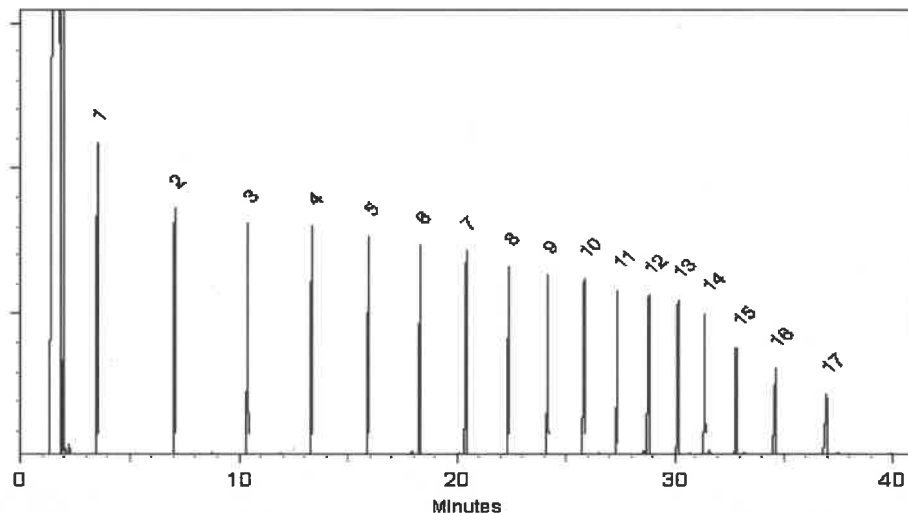
**Inj. Temp:**  
 250°C

**Det. Temp:**  
 330°C

**Det. Type:**  
 FID

**Split Vent:**  
 2 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.

*[Signature]*  
 Dakota Parson - Operations Technician I

**Date Mixed:** 29-Nov-2023 **Balance Serial #** B442140311

*[Signature]*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 01-Dec-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### 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. :** 31266 **Lot No.:** A0204859

**Description :** Florida TRPH Standard

Florida TRPH Standard 500µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2030 **Storage:** 25°C nominal

**Handling:** Sonicate prior to use. **Ship:** Ambient

P13103 } Y.P.  
↓  
P13112 } 01/12/2024

### CERTIFIED VALUES

| Elution Order | Compound                 | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | n-Octane (C8)            | 111-65-9   | SHBP9758   | 99%    | 504.4 µg/mL                 | +/- 13.0305                            |
| 2             | n-Decane (C10)           | 124-18-5   | SHBQ1342   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 3             | n-Dodecane (C12)         | 112-40-3   | SHBP7054   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 4             | n-Tetradecane (C14)      | 629-59-4   | STBK5437   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 5             | n-Hexadecane (C16)       | 544-76-3   | SHBP8192   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 6             | n-Octadecane (C18)       | 593-45-3   | UE5NG      | 98%    | 504.1 µg/mL                 | +/- 13.0230                            |
| 7             | n-Eicosane (C20)         | 112-95-8   | MKCN8767   | 97%    | 504.0 µg/mL                 | +/- 13.0204                            |
| 8             | n-Docosane (C22)         | 629-97-0   | MKCQ3882   | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |
| 9             | n-Tetracosane (C24)      | 646-31-1   | MKCQ8345   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 10            | n-Hexacosane (C26)       | 630-01-3   | MKCQ4814   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 11            | n-Octacosane (C28)       | 630-02-4   | BCCG0084   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 12            | n-Triacontane (C30)      | 638-68-6   | MKCQ9436   | 97%    | 504.0 µg/mL                 | +/- 13.0204                            |
| 13            | n-Dotriacontane (C32)    | 544-85-4   | BCBW0661   | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 14            | n-Tetratriacontane (C34) | 14167-59-0 | OML4N      | 99%    | 504.4 µg/mL                 | +/- 13.0305                            |
| 15            | n-Hexatriacontane (C36)  | 630-06-8   | Z27H018    | 99%    | 504.0 µg/mL                 | +/- 13.0201                            |
| 16            | n-Octatriacontane (C38)  | 7194-85-6  | 0000145137 | 96%    | 503.8 µg/mL                 | +/- 13.0152                            |
| 17            | n-Tetracontane (C40)     | 4181-95-7  | OKEGA      | 99%    | 503.6 µg/mL                 | +/- 13.0098                            |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

## Quality Confirmation Test

**Column:**  
 30m x 0.25mm x 0.25µm  
 Rtx-5 (cat.#10223)

**Carrier Gas:**  
 hydrogen-constant pressure 10 psi.

**Temp. Program:**  
 40°C (hold 2 min.) to 330°C  
 @ 10°C/min. (hold 10 min.)

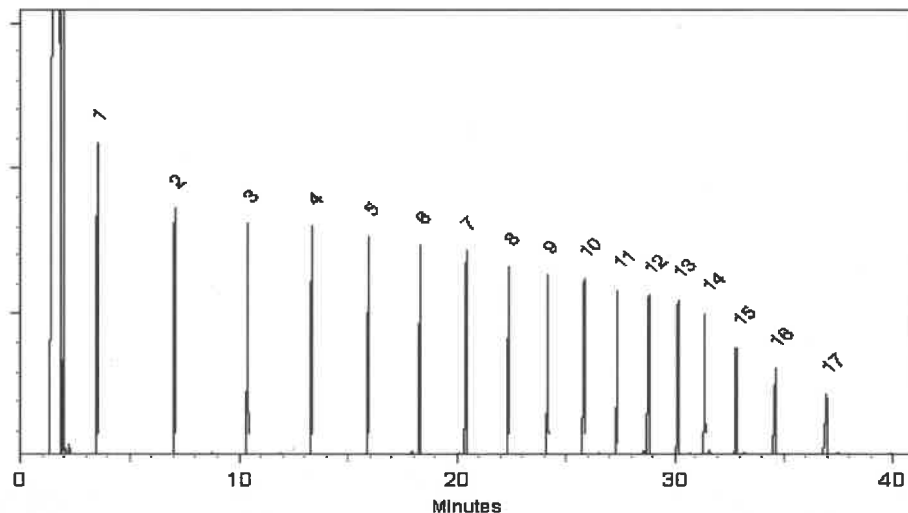
**Inj. Temp:**  
 250°C

**Det. Temp:**  
 330°C

**Det. Type:**  
 FID

**Split Vent:**  
 2 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.

*[Signature]*  
 Dakota Parson - Operations Technician I

**Date Mixed:** 29-Nov-2023 **Balance Serial #** B442140311

*[Signature]*  
 Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 01-Dec-2023

Manufactured under Restek's ISO 9001:2015  
 Registered Quality System  
 Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### 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

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P13357  
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BAUF  
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:**

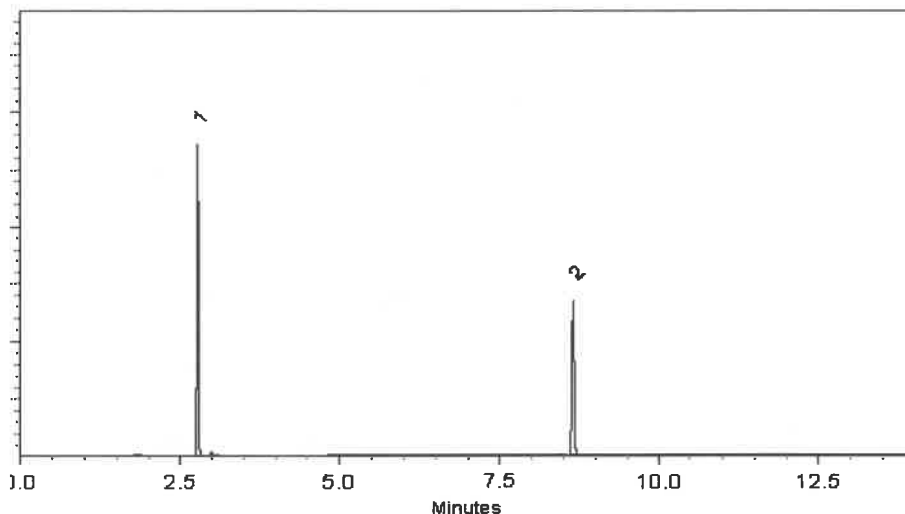
ECD

**Split Vent:**

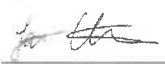
10 ml/min.

**Inj. Vol**

1µl

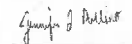


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

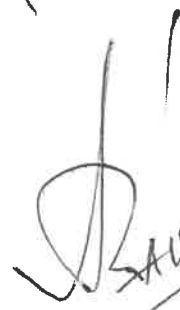
Balance Serial # 1128360905

  
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

P13348  
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P13357  
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SAUF  
04/25/2025



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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. :** 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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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:**

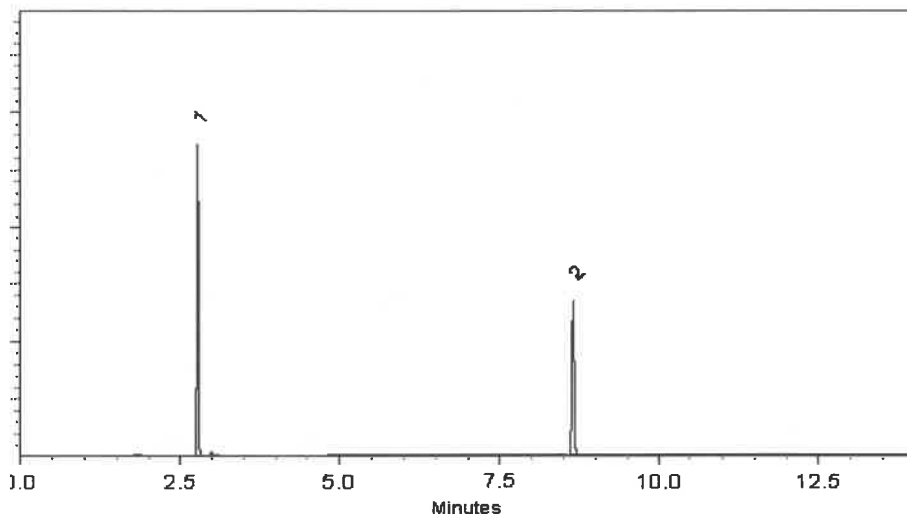
ECD

**Split Vent:**

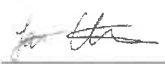
10 ml/min.

**Inj. Vol**

1µl

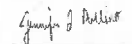


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

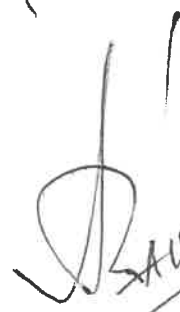
Balance Serial # 1128360905

  
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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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/NC SL 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)



# SHIPPING DOCUMENTS

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**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> P5283                    | TETR06 | <b>Order Date :</b> 12/13/2024 1:07:00 PM        | <b>Project Mgr :</b>         |
| <b>Client Name :</b> Tetra Tech NUS, Inc.  |        | <b>Project Name :</b> CTO WE13                   | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> Ernie Wu           |        | <b>Receive DateTime :</b> 12/13/2024 12:00:00 AM | <b>EDD Type :</b> ADAPT      |
| <b>Invoice Name :</b> Tetra Tech NUS, Inc. |        | <b>Purchase Order :</b> 18:05                    | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Ernie Wu          |        |                                                  | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID               | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD | FAX DATE   | DUE DATES |
|----------|-------------------------|--------|-------------|-------------|--------------|------------|--------|------------|-----------|
| P5283-01 | TT-TB-20241213          | Water  | 12/13/2024  | 09:00       |              |            |        |            |           |
|          |                         |        |             |             | VOCMS Group4 |            | 624.1  | 1 Bus. Day |           |
| P5283-02 | TT-RW10A-IDWGW-20241213 | Water  | 12/13/2024  | 10:15       |              |            |        |            |           |
|          |                         |        |             |             | VOCMS Group4 |            | 624.1  | 1 Bus. Day |           |

Relinquished By : af  
Date / Time : 12-16-24 9:55

Received By : pl  
Date / Time : 12-16-24 9:55

Storage Area : VOA Refridgerator Room

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108366.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:33  
Operator : YP/AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:47:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.710 | 3.708 | 40888009 | 23002425 | 4.581  | 4.400  |
| 2) SA Decachlor...          | 8.790 | 8.741 | 37049676 | 19012827 | 5.045  | 4.843  |
| Target Compounds            |       |       |          |          |        |        |
| 3) L1 AR-1016-1             | 4.809 | 4.798 | 16113835 | 8989618  | 51.876 | 55.498 |
| 4) L1 AR-1016-2             | 4.829 | 4.818 | 20947856 | 11430720 | 49.985 | 50.865 |
| 5) L1 AR-1016-3             | 4.885 | 4.994 | 15163571 | 7090476  | 51.365 | 55.837 |
| 6) L1 AR-1016-4             | 5.006 | 5.035 | 12059612 | 5969454  | 51.991 | 56.281 |
| 7) L1 AR-1016-5             | 5.265 | 5.249 | 13968228 | 7490988  | 56.035 | 55.936 |
| 31) L7 AR-1260-1            | 6.309 | 6.286 | 27163321 | 12936573 | 59.289 | 55.433 |
| 32) L7 AR-1260-2            | 6.497 | 6.473 | 31139251 | 15589768 | 56.030 | 55.910 |
| 33) L7 AR-1260-3            | 6.867 | 6.627 | 26586358 | 14459323 | 57.275 | 55.831 |
| 34) L7 AR-1260-4            | 7.128 | 7.100 | 22304325 | 10653055 | 52.300 | 49.594 |
| 35) L7 AR-1260-5            | 7.369 | 7.339 | 48077854 | 23055032 | 48.827 | 46.943 |
| -----                       |       |       |          |          |        |        |

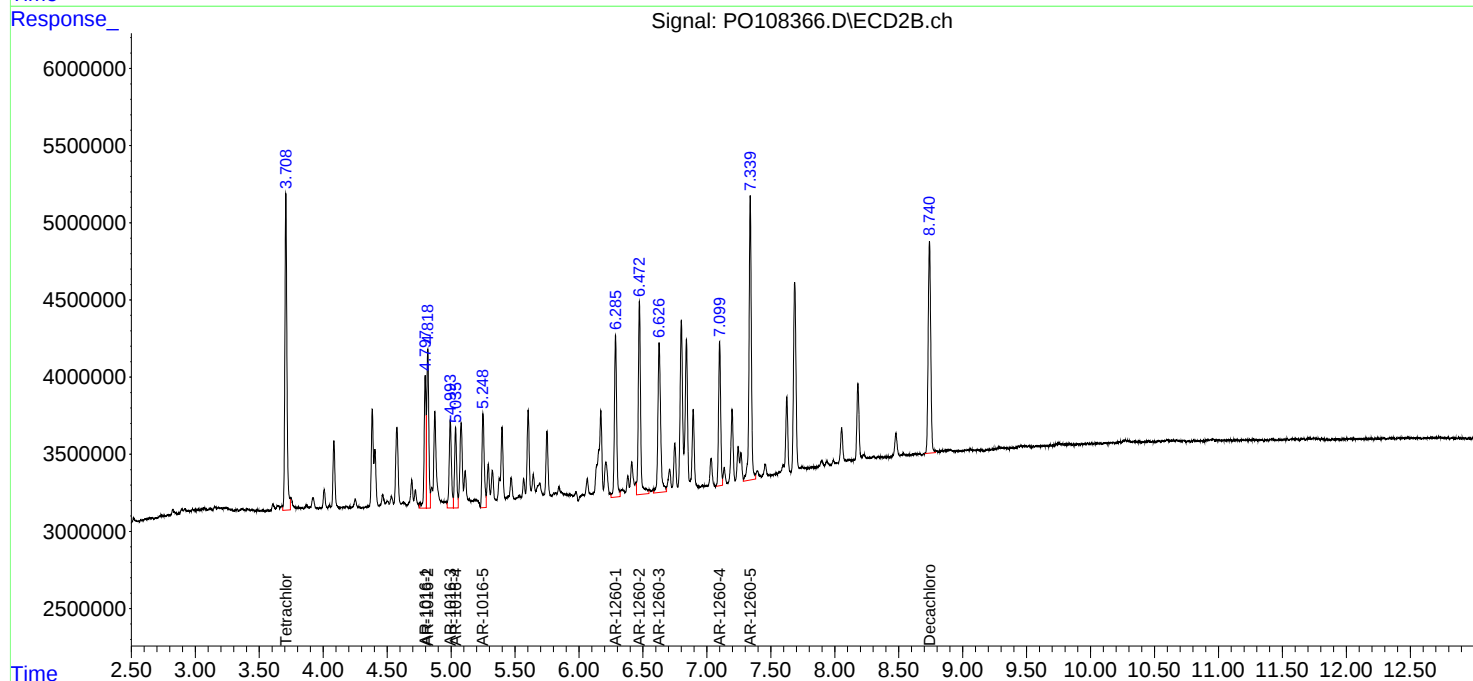
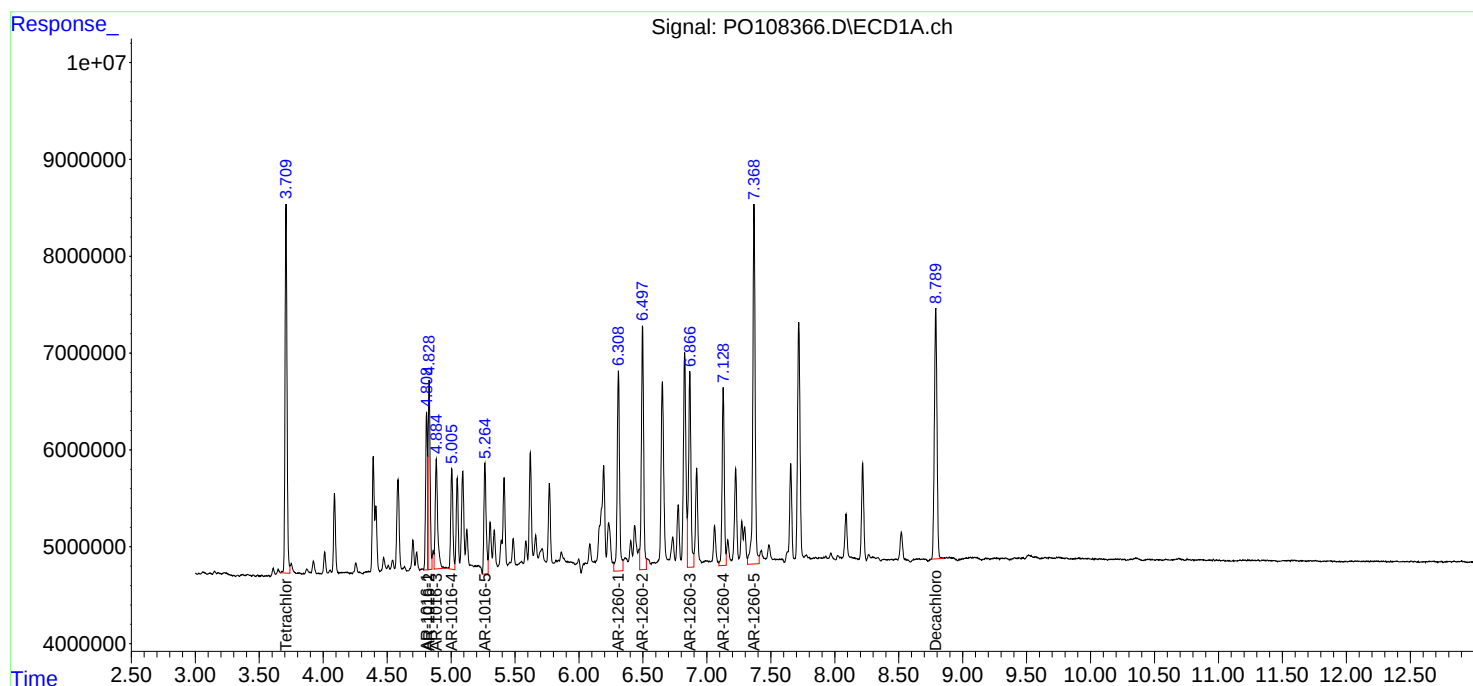
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

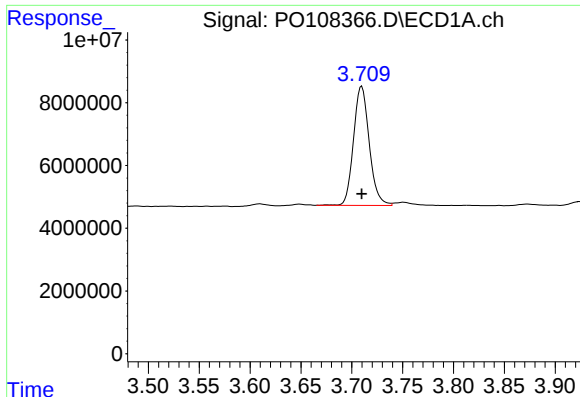
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108366.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 15:33  
Operator : YP/AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 01:47:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 01:45:35 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

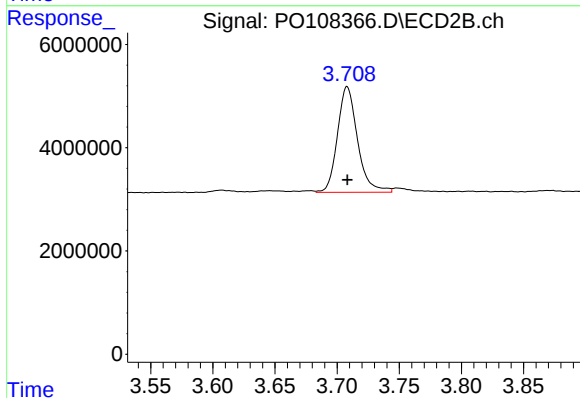




#1 Tetrachloro-m-xylene

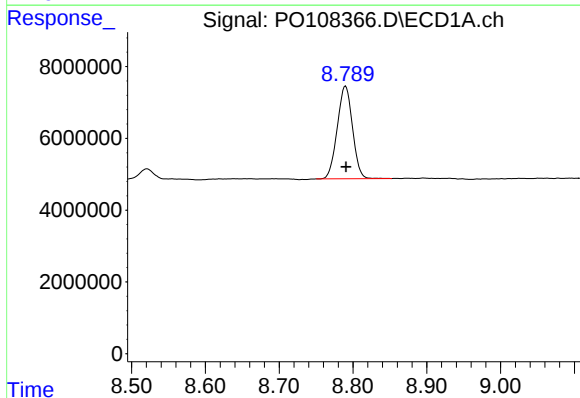
R.T.: 3.710 min  
Delta R.T.: 0.000 min  
Response: 40888009  
Conc: 4.58 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



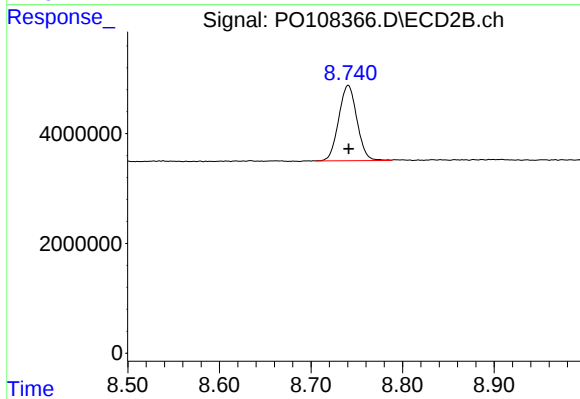
#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 23002425  
Conc: 4.40 ng/ml



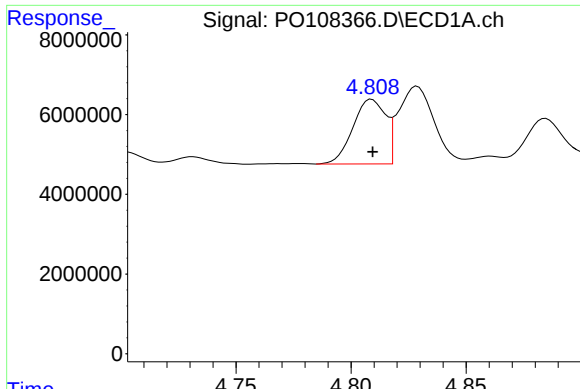
#2 Decachlorobiphenyl

R.T.: 8.790 min  
Delta R.T.: 0.000 min  
Response: 37049676  
Conc: 5.05 ng/ml



#2 Decachlorobiphenyl

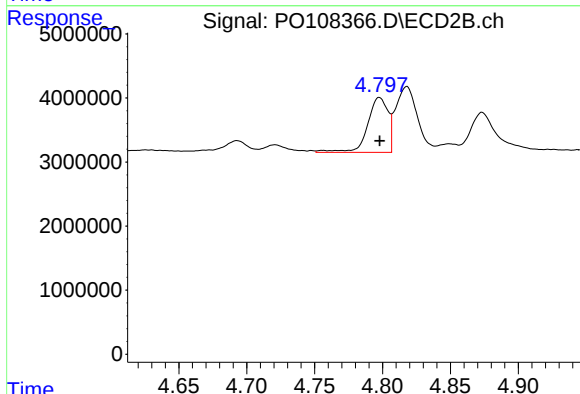
R.T.: 8.741 min  
Delta R.T.: 0.000 min  
Response: 19012827  
Conc: 4.84 ng/ml



#3 AR-1016-1

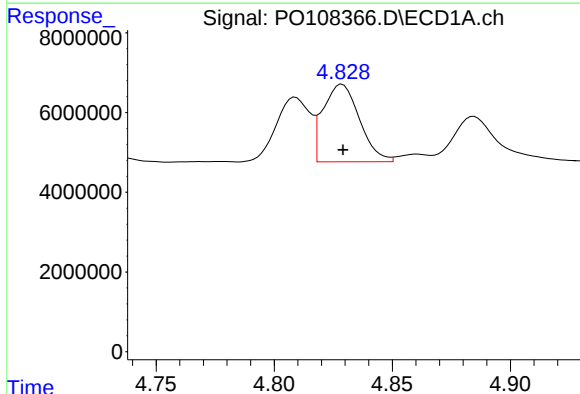
R.T.: 4.809 min  
Delta R.T.: 0.000 min  
Response: 16113835  
Conc: 51.88 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



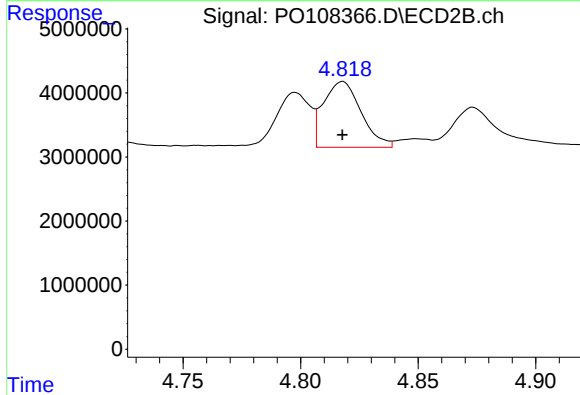
#3 AR-1016-1

R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 8989618  
Conc: 55.50 ng/ml



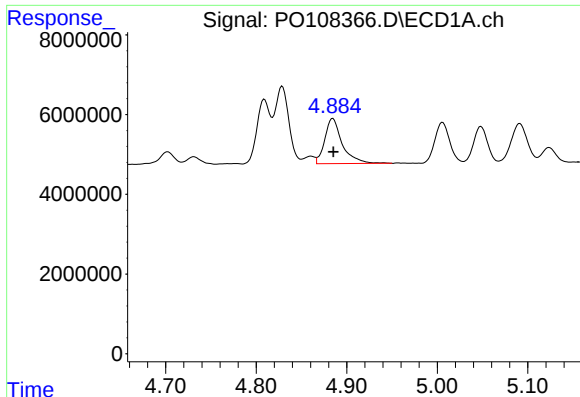
#4 AR-1016-2

R.T.: 4.829 min  
Delta R.T.: 0.000 min  
Response: 20947856  
Conc: 49.98 ng/ml



#4 AR-1016-2

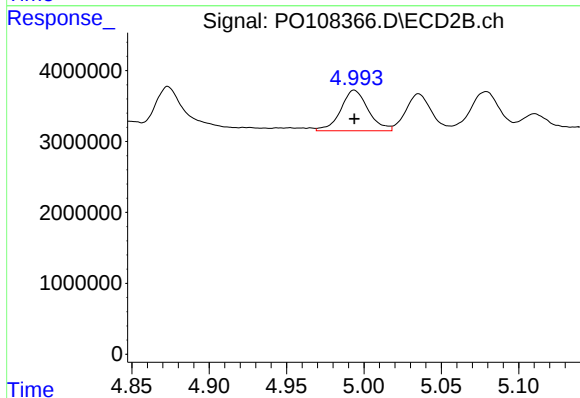
R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 11430720  
Conc: 50.86 ng/ml



#5 AR-1016-3

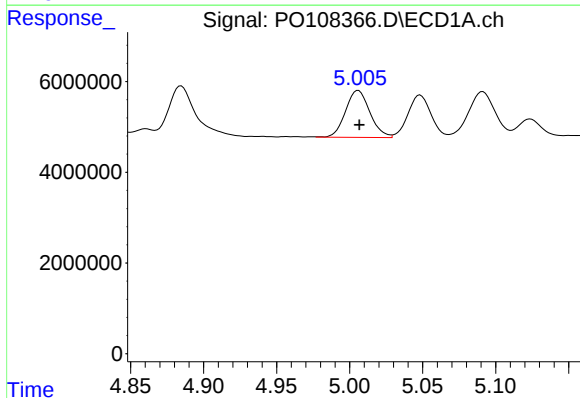
R.T.: 4.885 min  
Delta R.T.: 0.000 min  
Response: 15163571  
Conc: 51.36 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



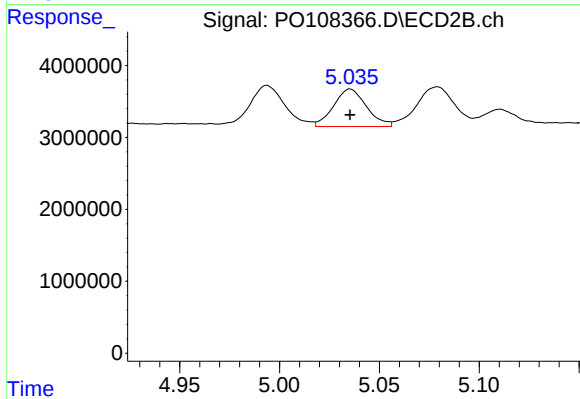
#5 AR-1016-3

R.T.: 4.994 min  
Delta R.T.: 0.000 min  
Response: 7090476  
Conc: 55.84 ng/ml



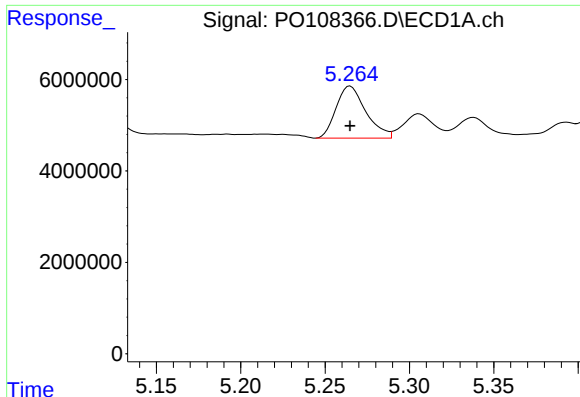
#6 AR-1016-4

R.T.: 5.006 min  
Delta R.T.: 0.000 min  
Response: 12059612  
Conc: 51.99 ng/ml



#6 AR-1016-4

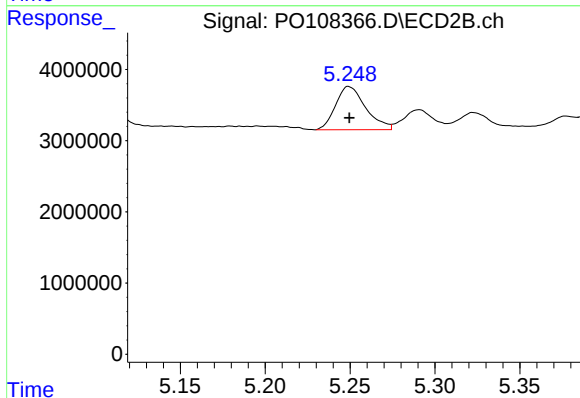
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 5969454  
Conc: 56.28 ng/ml



#7 AR-1016-5

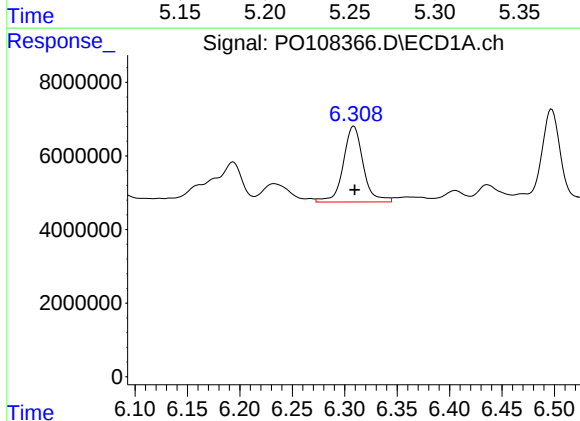
R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 13968228  
Conc: 56.04 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



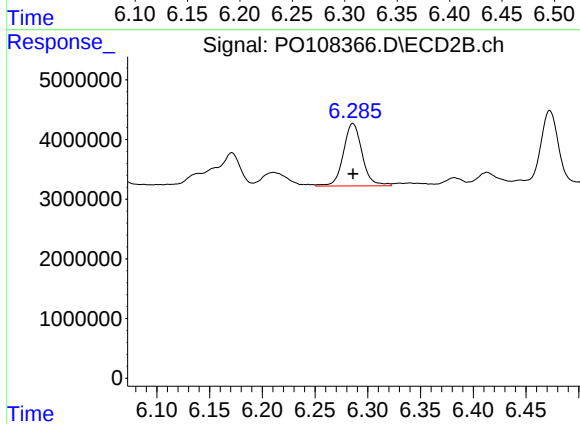
#7 AR-1016-5

R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 7490988  
Conc: 55.94 ng/ml



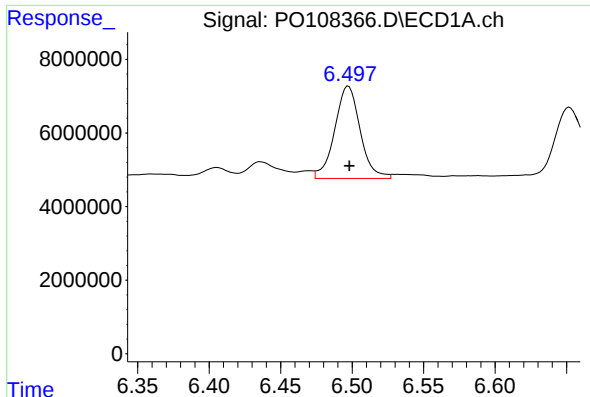
#31 AR-1260-1

R.T.: 6.309 min  
Delta R.T.: 0.000 min  
Response: 27163321  
Conc: 59.29 ng/ml



#31 AR-1260-1

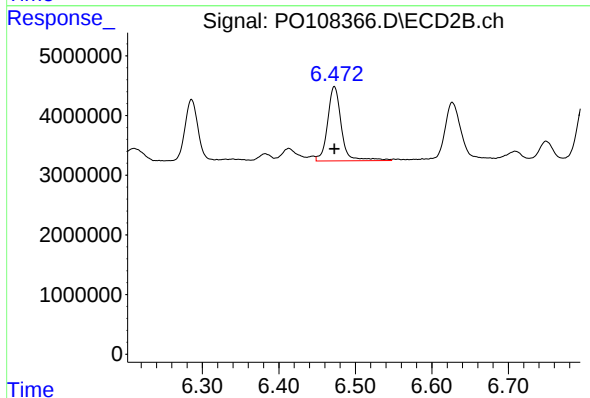
R.T.: 6.286 min  
Delta R.T.: 0.000 min  
Response: 12936573  
Conc: 55.43 ng/ml



#32 AR-1260-2

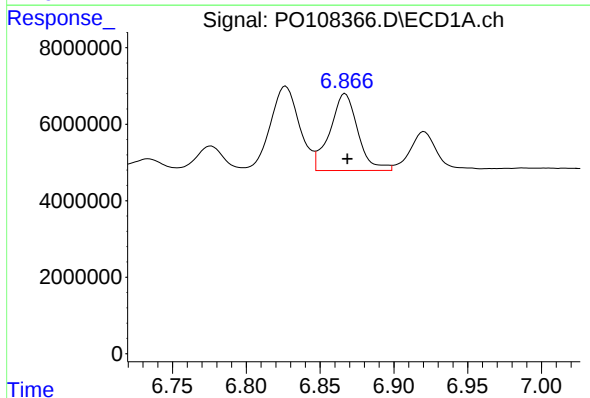
R.T.: 6.497 min  
Delta R.T.: 0.000 min  
Response: 31139251  
Conc: 56.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



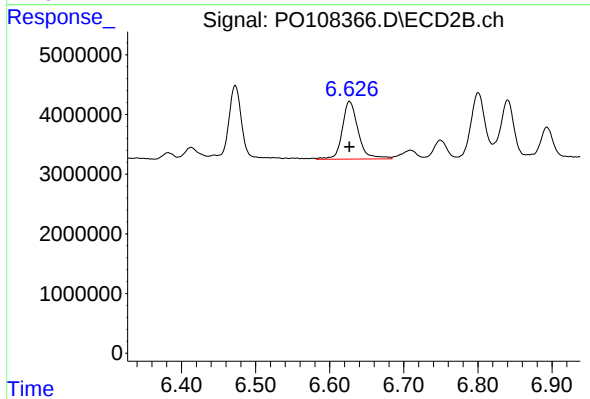
#32 AR-1260-2

R.T.: 6.473 min  
Delta R.T.: 0.000 min  
Response: 15589768  
Conc: 55.91 ng/ml



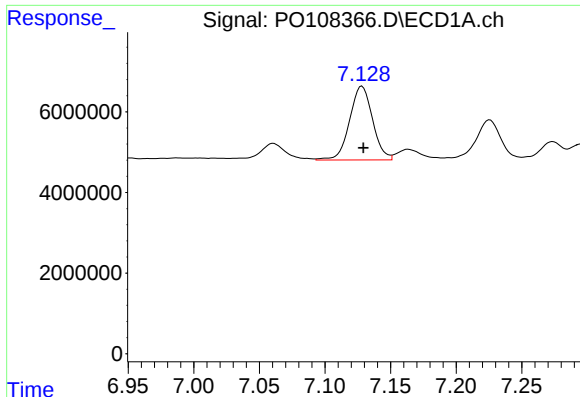
#33 AR-1260-3

R.T.: 6.867 min  
Delta R.T.: -0.001 min  
Response: 26586358  
Conc: 57.28 ng/ml



#33 AR-1260-3

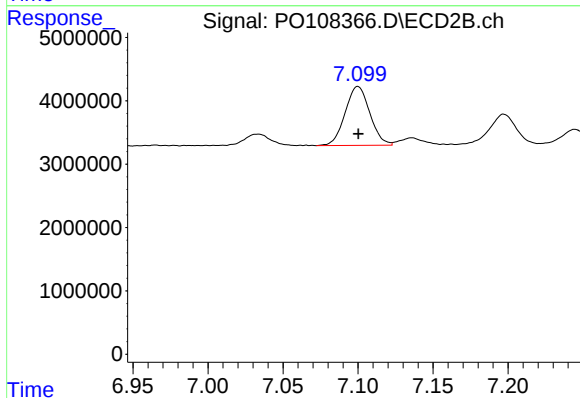
R.T.: 6.627 min  
Delta R.T.: 0.000 min  
Response: 14459323  
Conc: 55.83 ng/ml



#34 AR-1260-4

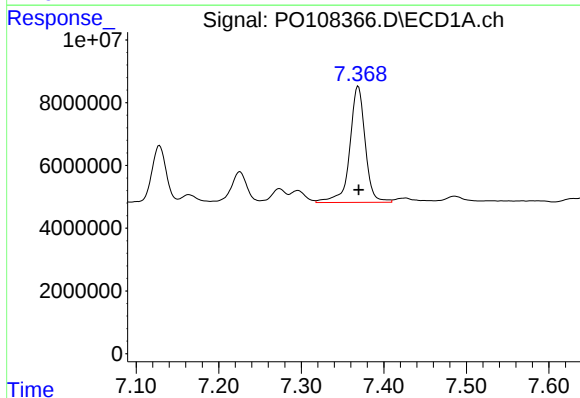
R.T.: 7.128 min  
Delta R.T.: -0.001 min  
Response: 22304325  
Conc: 52.30 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050



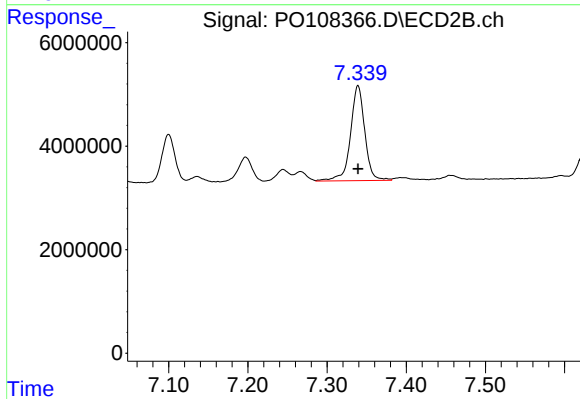
#34 AR-1260-4

R.T.: 7.100 min  
Delta R.T.: 0.000 min  
Response: 10653055  
Conc: 49.59 ng/ml



#35 AR-1260-5

R.T.: 7.369 min  
Delta R.T.: 0.000 min  
Response: 48077854  
Conc: 48.83 ng/ml



#35 AR-1260-5

R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 23055032  
Conc: 46.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108373.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:41  
Operator : YP/AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:30:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.708 | 3.707 | 42500192 | 23470301 | 4.857  | 4.636  |
| 2) SA Decachlor...          | 8.786 | 8.739 | 38080770 | 19909368 | 5.246  | 5.063  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 16) L4 AR-1242-1            | 4.806 | 4.796 | 13771137 | 7309320  | 54.960 | 55.098 |
| 17) L4 AR-1242-2            | 4.826 | 4.816 | 17939884 | 9549021  | 52.819 | 52.105 |
| 18) L4 AR-1242-3            | 4.882 | 4.992 | 12765923 | 5700607  | 53.645 | 55.374 |
| 19) L4 AR-1242-4            | 5.004 | 5.077 | 10336411 | 5979654  | 55.288 | 57.272 |
| 20) L4 AR-1242-5            | 5.659 | 5.599 | 12699181 | 7040034  | 64.308 | 57.695 |
| -----                       |       |       |          |          |        |        |

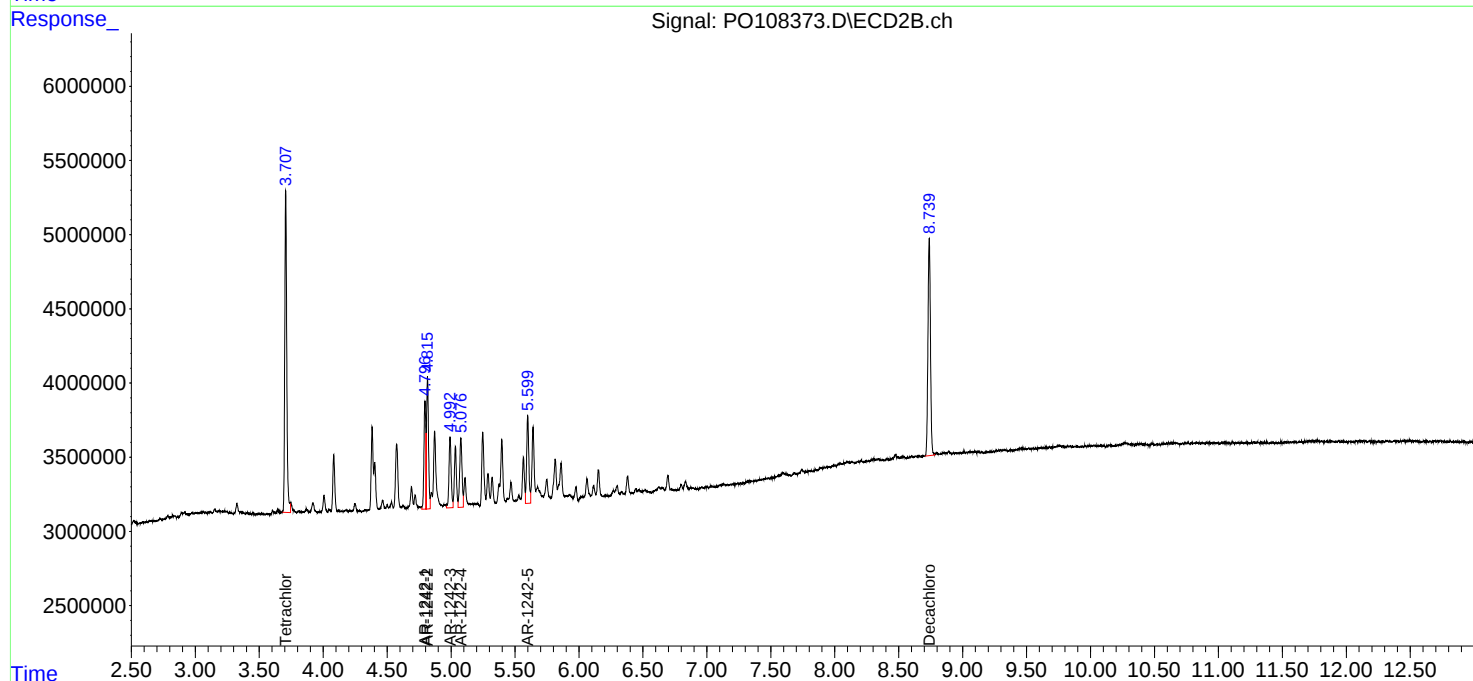
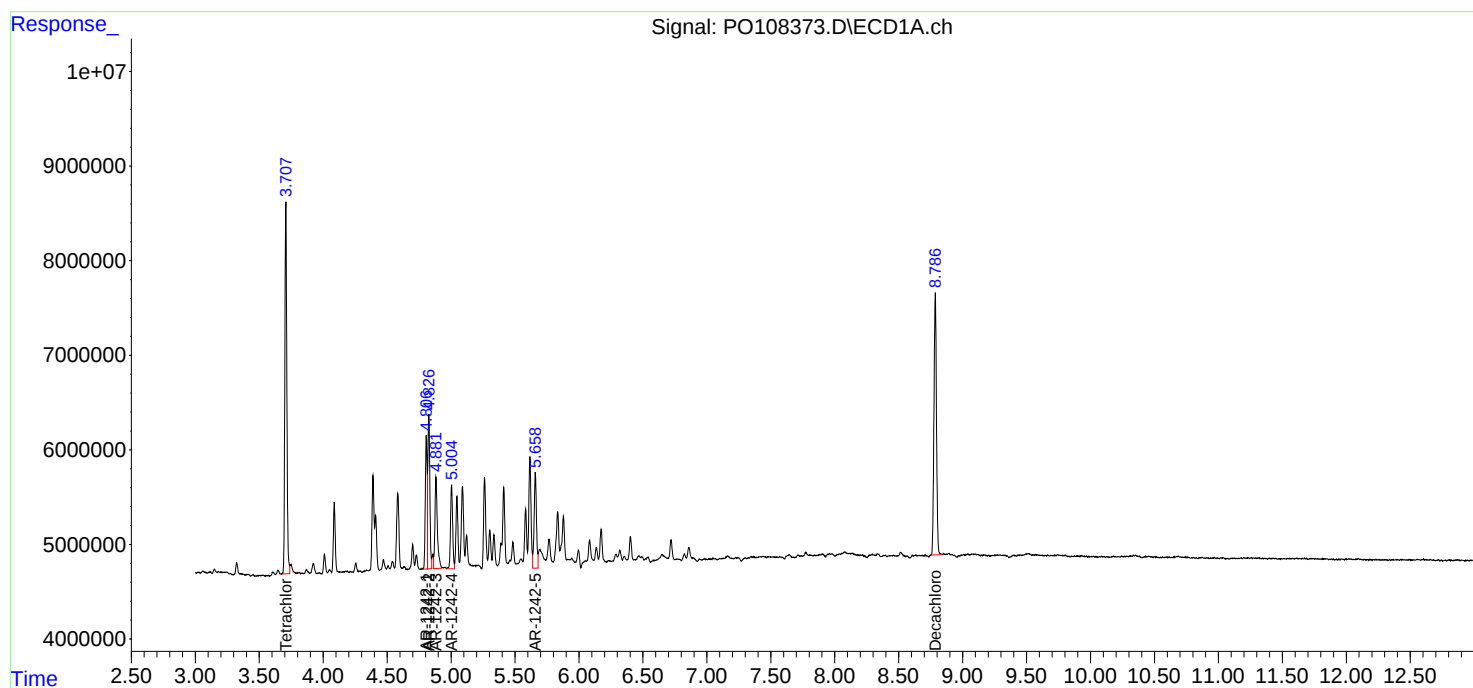
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

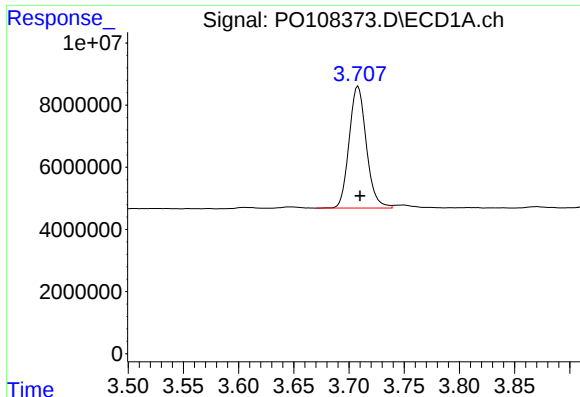
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108373.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 17:41  
Operator : YP/AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:30:01 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:28:21 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

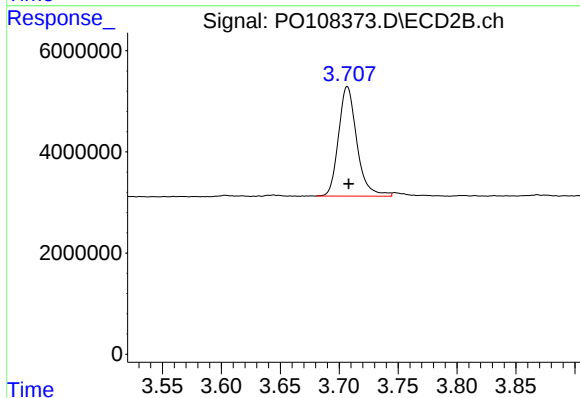




#1 Tetrachloro-m-xylene

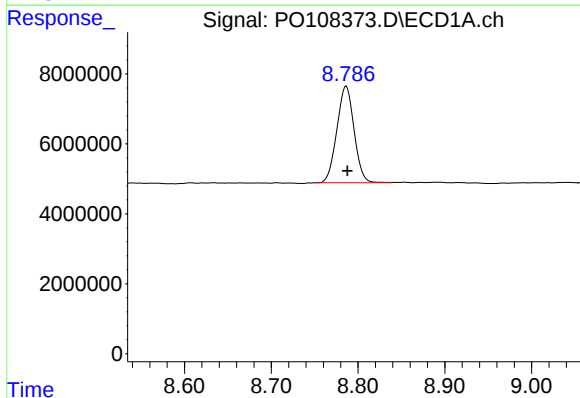
R.T.: 3.708 min  
Delta R.T.: -0.002 min  
Response: 42500192  
Conc: 4.86 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050



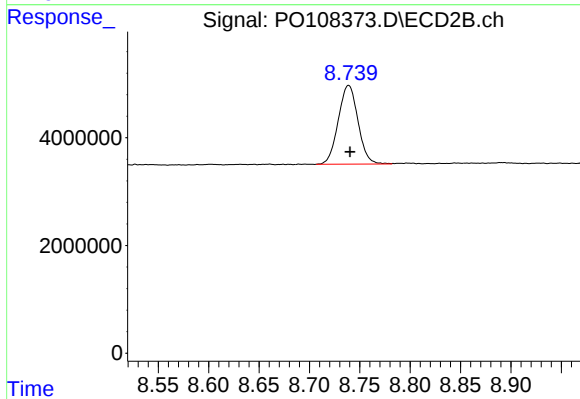
#1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: -0.001 min  
Response: 23470301  
Conc: 4.64 ng/ml



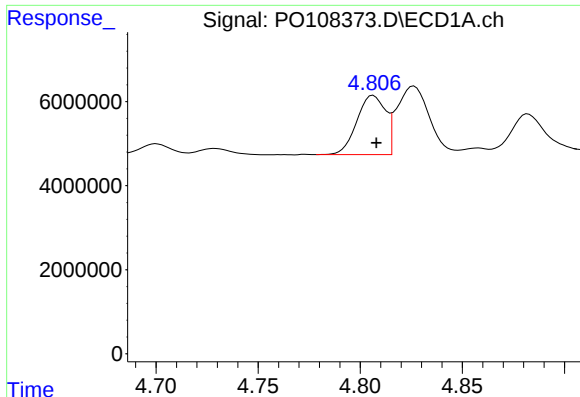
#2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: -0.001 min  
Response: 38080770  
Conc: 5.25 ng/ml



#2 Decachlorobiphenyl

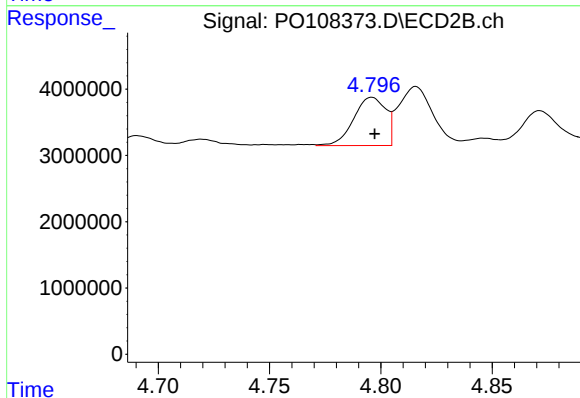
R.T.: 8.739 min  
Delta R.T.: -0.001 min  
Response: 19909368  
Conc: 5.06 ng/ml



#16 AR-1242-1

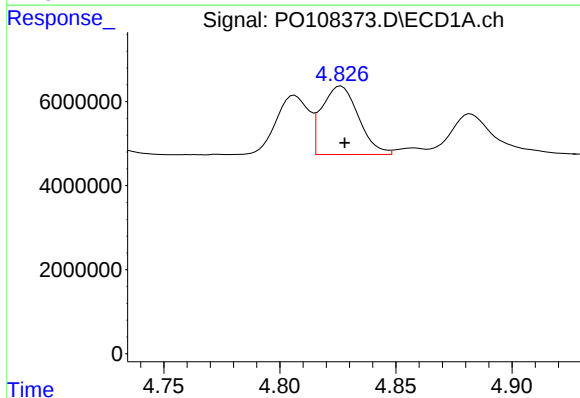
R.T.: 4.806 min  
Delta R.T.: -0.001 min  
Response: 13771137  
Conc: 54.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050



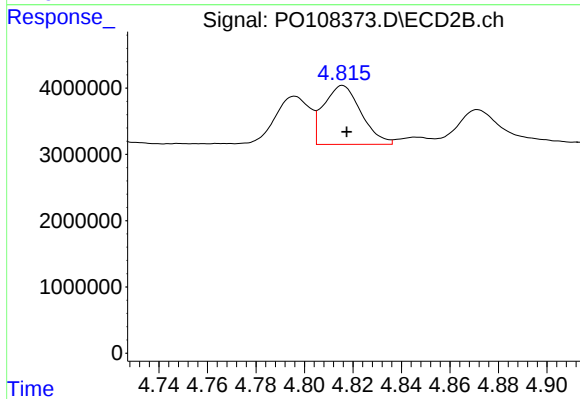
#16 AR-1242-1

R.T.: 4.796 min  
Delta R.T.: -0.001 min  
Response: 7309320  
Conc: 55.10 ng/ml



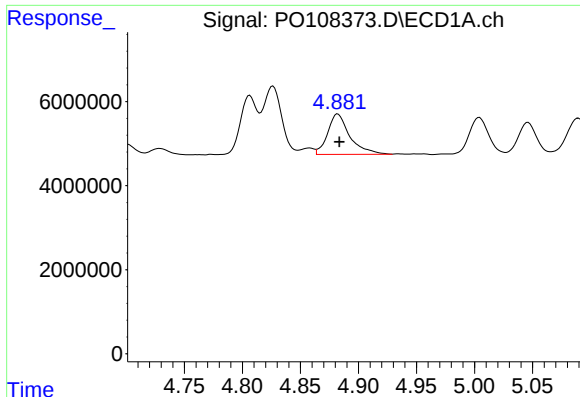
#17 AR-1242-2

R.T.: 4.826 min  
Delta R.T.: -0.002 min  
Response: 17939884  
Conc: 52.82 ng/ml



#17 AR-1242-2

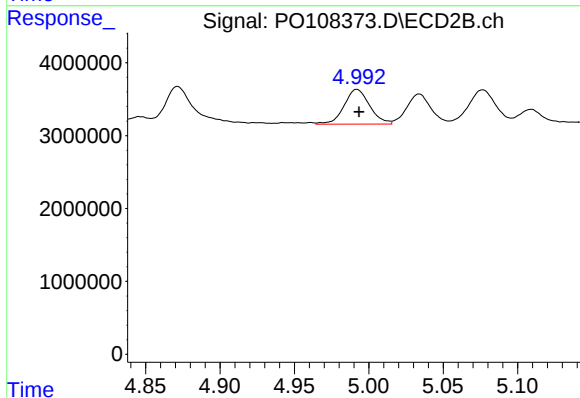
R.T.: 4.816 min  
Delta R.T.: -0.002 min  
Response: 9549021  
Conc: 52.11 ng/ml



#18 AR-1242-3

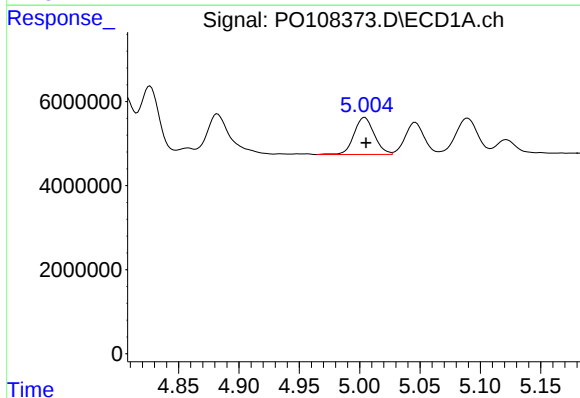
R.T.: 4.882 min  
Delta R.T.: -0.001 min  
Response: 12765923  
Conc: 53.64 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050



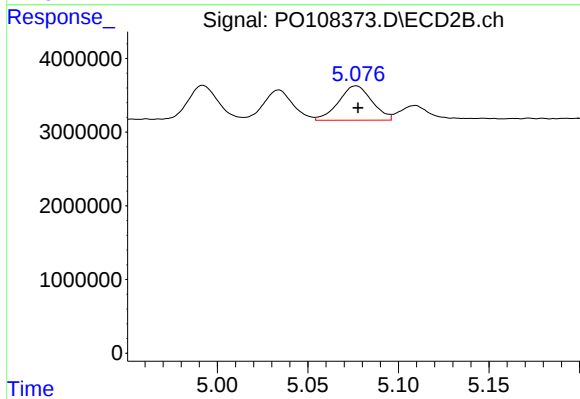
#18 AR-1242-3

R.T.: 4.992 min  
Delta R.T.: -0.001 min  
Response: 5700607  
Conc: 55.37 ng/ml



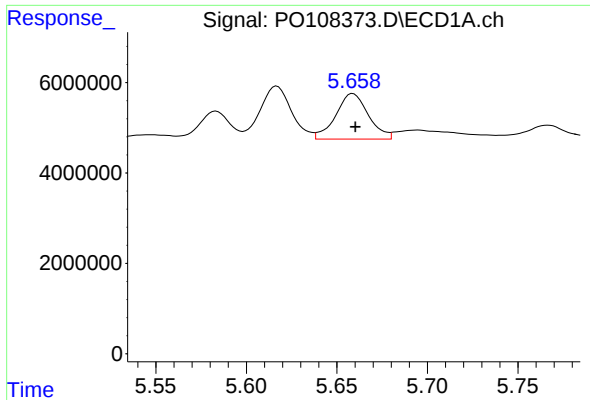
#19 AR-1242-4

R.T.: 5.004 min  
Delta R.T.: -0.001 min  
Response: 10336411  
Conc: 55.29 ng/ml



#19 AR-1242-4

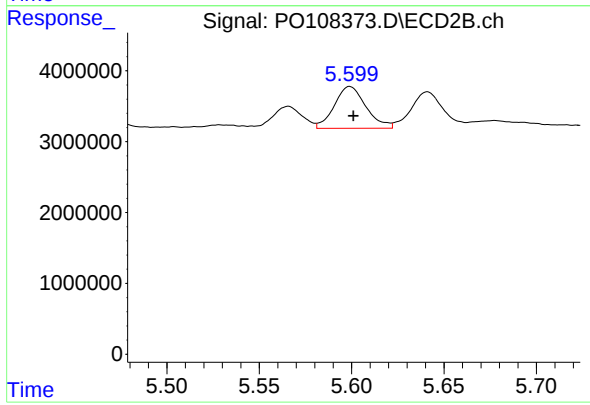
R.T.: 5.077 min  
Delta R.T.: -0.001 min  
Response: 5979654  
Conc: 57.27 ng/ml



#20 AR-1242-5

R.T.: 5.659 min  
Delta R.T.: -0.001 min  
Response: 12699181  
Conc: 64.31 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050



#20 AR-1242-5

R.T.: 5.599 min  
Delta R.T.: -0.002 min  
Response: 7040034  
Conc: 57.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108378.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:13  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.709 | 3.707 | 42888882 | 23166628 | 4.591  | 4.424  |
| 2) SA Decachlor...          | 8.785 | 8.739 | 41886336 | 21478364 | 5.456  | 5.181  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 21) L5 AR-1248-1            | 4.807 | 4.797 | 10841588 | 5527464  | 54.234 | 52.044 |
| 22) L5 AR-1248-2            | 5.047 | 5.035 | 15088946 | 7988873  | 54.491 | 53.179 |
| 23) L5 AR-1248-3            | 5.263 | 5.077 | 18344955 | 8442914  | 53.590 | 52.863 |
| 24) L5 AR-1248-4            | 5.618 | 5.249 | 27084474 | 9427231  | 56.488 | 51.009 |
| 25) L5 AR-1248-5            | 5.659 | 5.643 | 20310729 | 9433171  | 59.888 | 53.554 |
| -----                       |       |       |          |          |        |        |

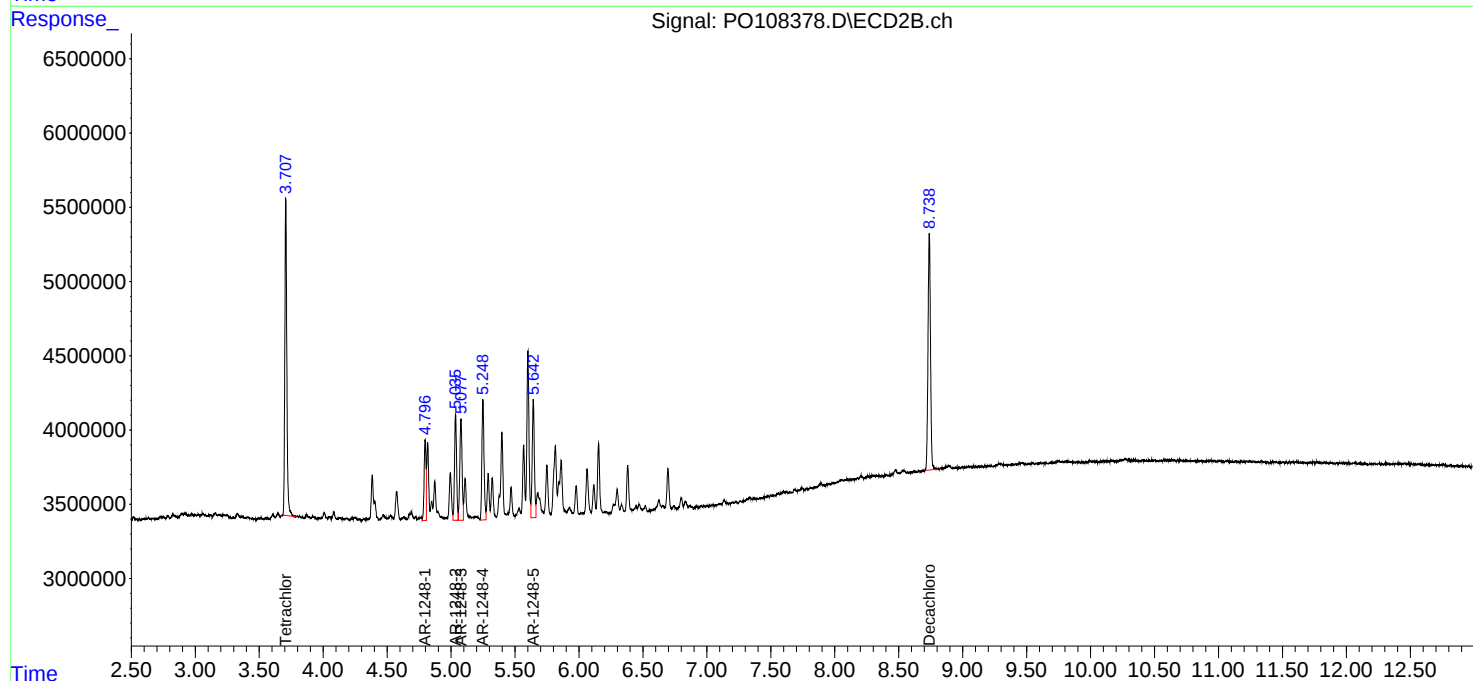
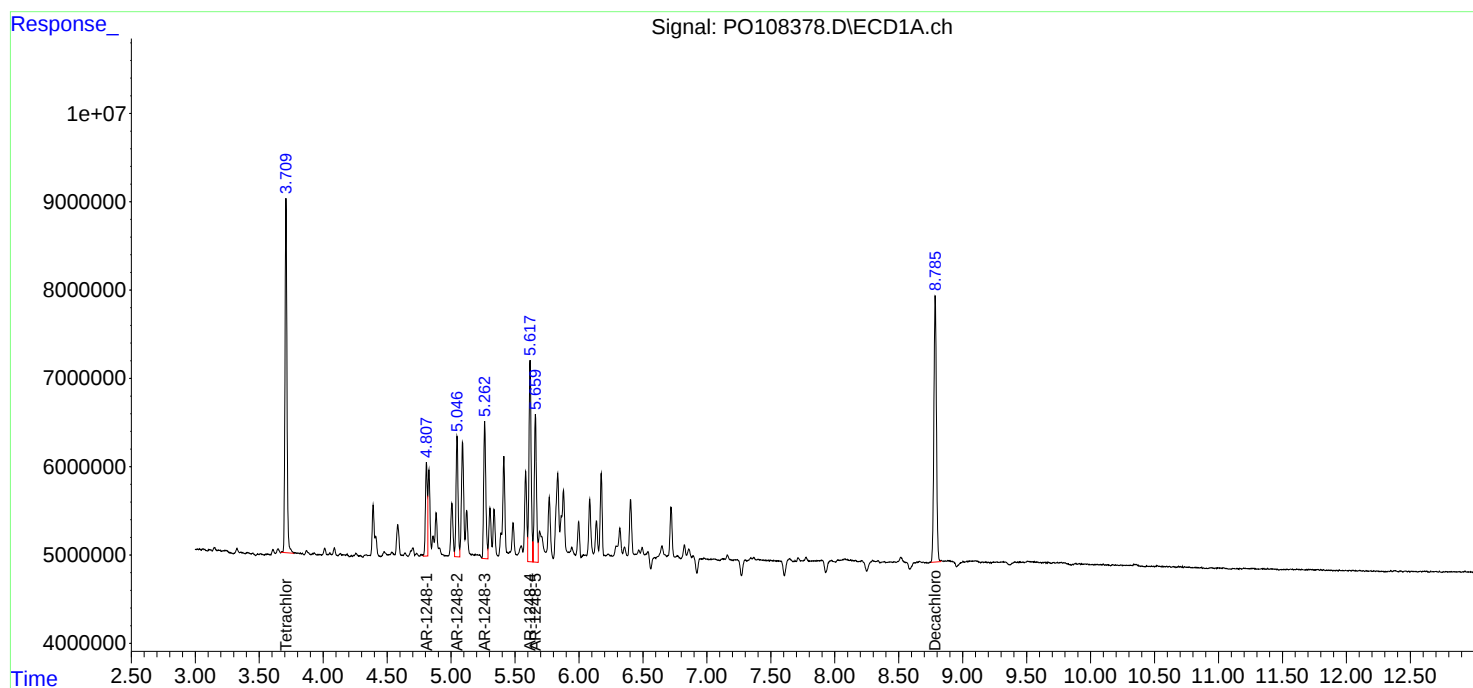
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

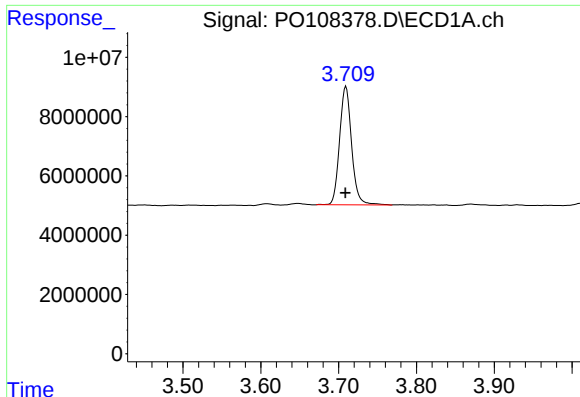
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108378.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 19:13  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 03:54:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 03:53:05 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

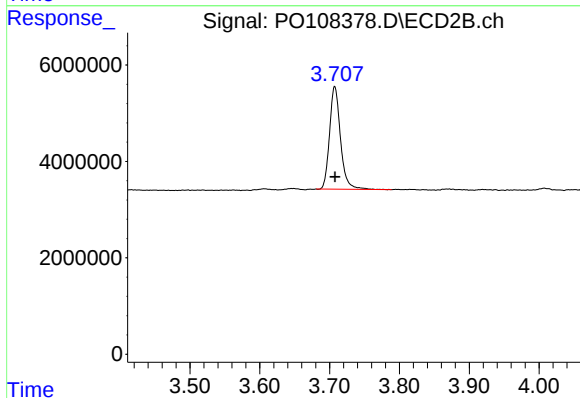




#1 Tetrachloro-m-xylene

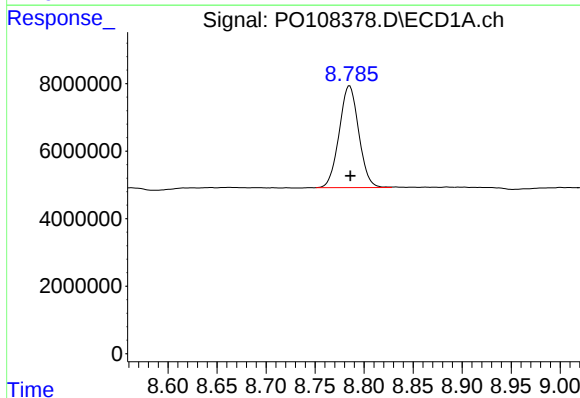
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 42888882  
Conc: 4.59 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050



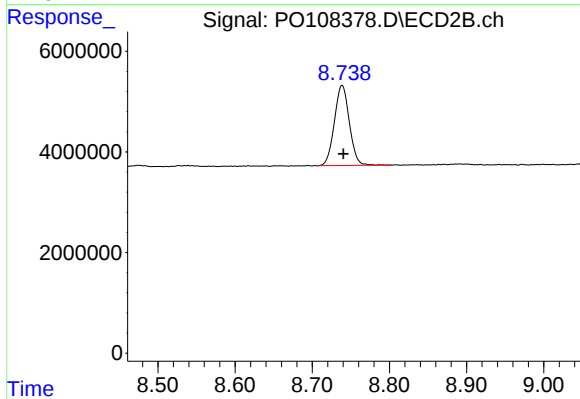
#1 Tetrachloro-m-xylene

R.T.: 3.707 min  
Delta R.T.: 0.000 min  
Response: 23166628  
Conc: 4.42 ng/ml



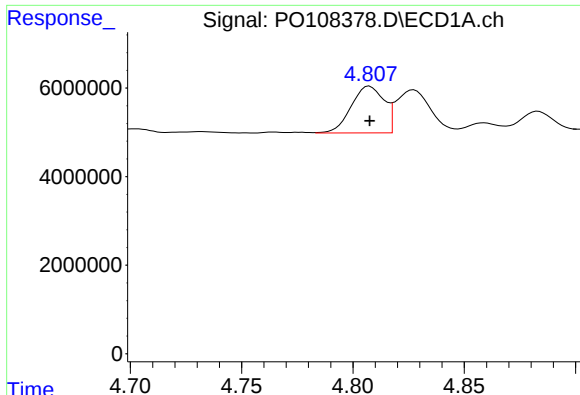
#2 Decachlorobiphenyl

R.T.: 8.785 min  
Delta R.T.: 0.000 min  
Response: 41886336  
Conc: 5.46 ng/ml



#2 Decachlorobiphenyl

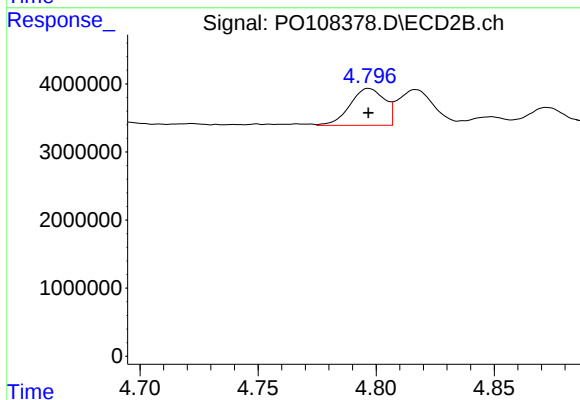
R.T.: 8.739 min  
Delta R.T.: -0.002 min  
Response: 21478364  
Conc: 5.18 ng/ml



#21 AR-1248-1

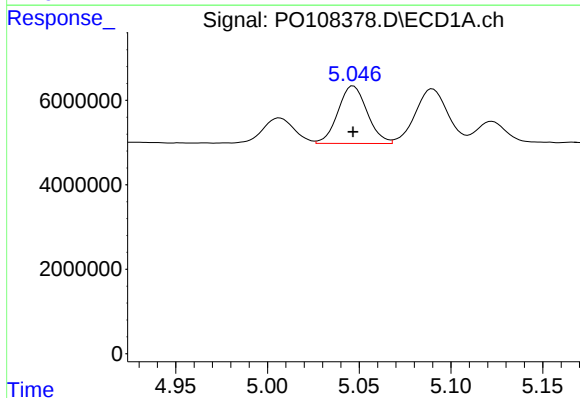
R.T.: 4.807 min  
Delta R.T.: 0.000 min  
Response: 10841588  
Conc: 54.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050



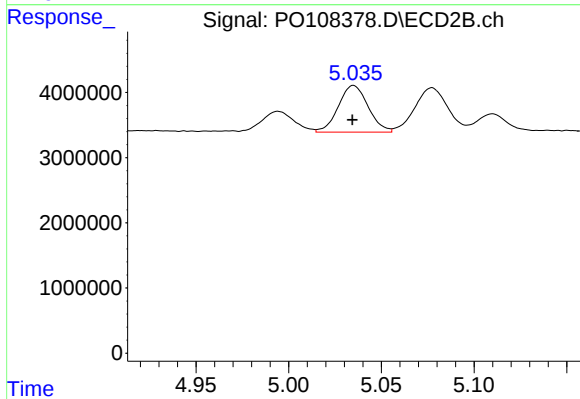
#21 AR-1248-1

R.T.: 4.797 min  
Delta R.T.: 0.000 min  
Response: 5527464  
Conc: 52.04 ng/ml



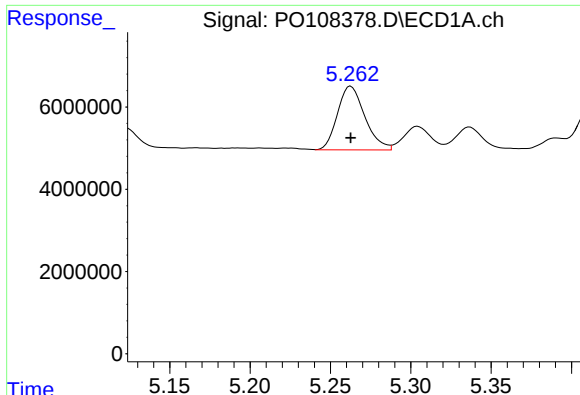
#22 AR-1248-2

R.T.: 5.047 min  
Delta R.T.: 0.000 min  
Response: 15088946  
Conc: 54.49 ng/ml



#22 AR-1248-2

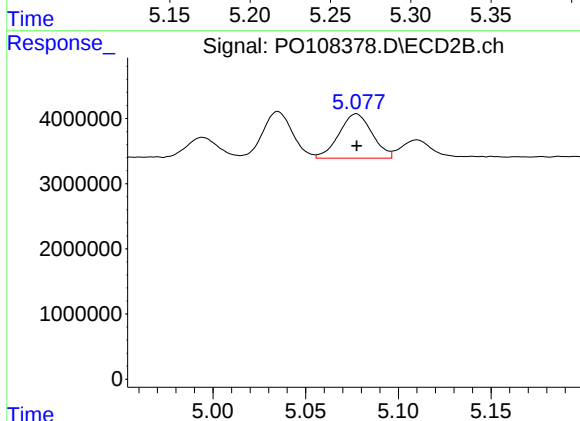
R.T.: 5.035 min  
Delta R.T.: 0.000 min  
Response: 7988873  
Conc: 53.18 ng/ml



#23 AR-1248-3

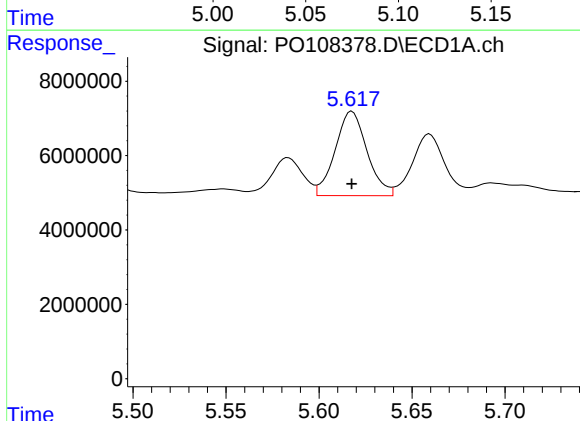
R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 18344955  
Conc: 53.59 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050



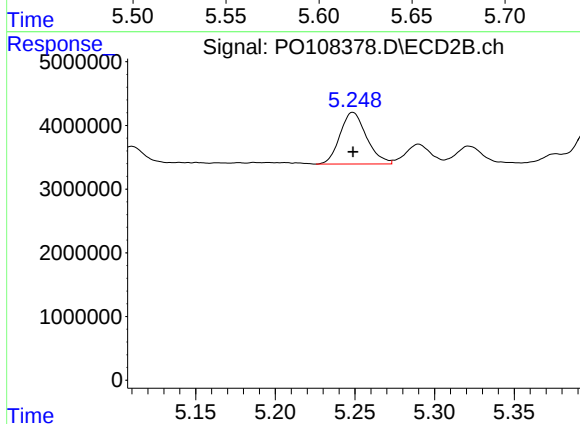
#23 AR-1248-3

R.T.: 5.077 min  
Delta R.T.: 0.000 min  
Response: 8442914  
Conc: 52.86 ng/ml



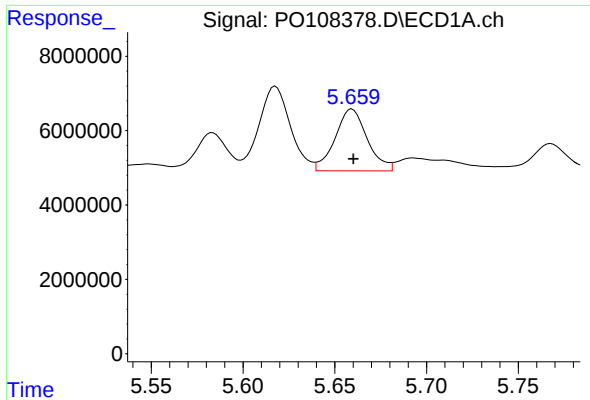
#24 AR-1248-4

R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 27084474  
Conc: 56.49 ng/ml



#24 AR-1248-4

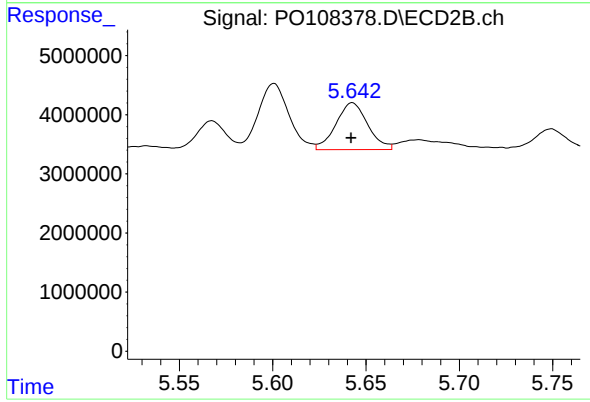
R.T.: 5.249 min  
Delta R.T.: 0.000 min  
Response: 9427231  
Conc: 51.01 ng/ml



#25 AR-1248-5

R.T.: 5.659 min  
Delta R.T.: 0.000 min  
Response: 20310729  
Conc: 59.89 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050



#25 AR-1248-5

R.T.: 5.643 min  
Delta R.T.: 0.000 min  
Response: 9433171  
Conc: 53.55 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
 Data File : PO108383.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Dec 2024 20:44  
 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: Dec 07 04:55:47 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Sat Dec 07 04:53:30 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.709 | 3.708 | 44979145 | 24991936 | 4.743  | 4.656  |
| 2) SA Decachlor...          | 8.786 | 8.738 | 41446440 | 21658098 | 5.283  | 5.085  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 26) L6 AR-1254-1            | 5.619 | 5.602 | 29499091 | 15172054 | 57.612 | 56.354 |
| 27) L6 AR-1254-2            | 5.768 | 5.749 | 26615835 | 13582944 | 58.769 | 56.887 |
| 28) L6 AR-1254-3            | 6.175 | 6.153 | 39577166 | 19696275 | 54.478 | 51.772 |
| 29) L6 AR-1254-4            | 6.404 | 6.380 | 24247164 | 11443812 | 54.578 | 51.897 |
| 30) L6 AR-1254-5            | 6.826 | 6.799 | 34671057 | 16988687 | 54.506 | 51.951 |
| -----                       |       |       |          |          |        |        |

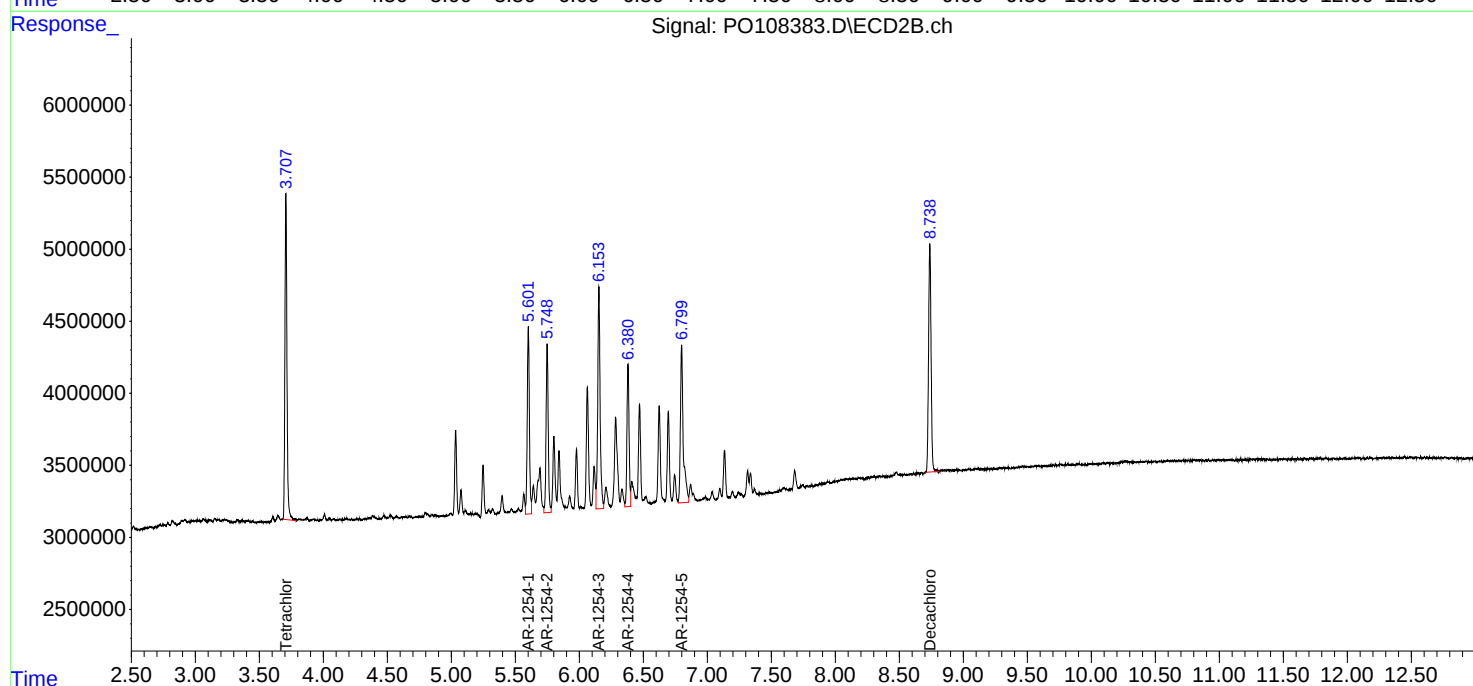
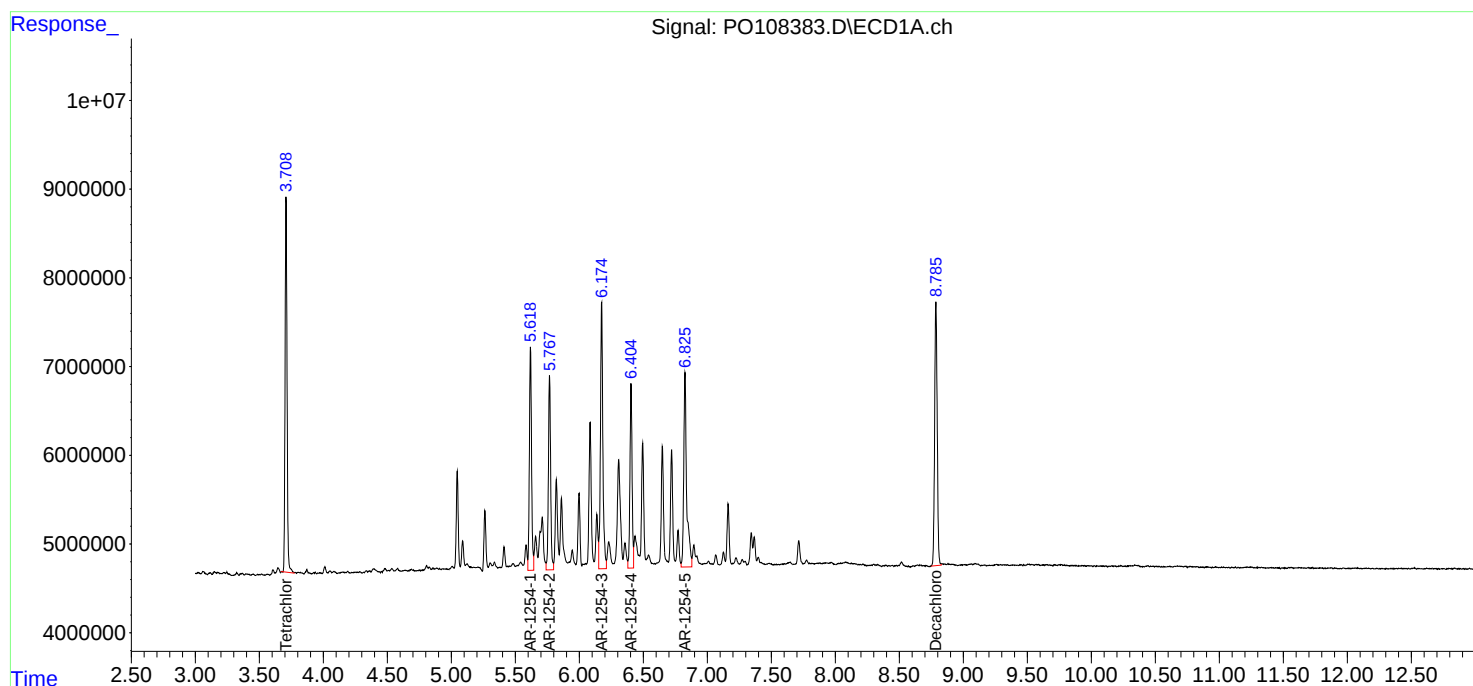
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

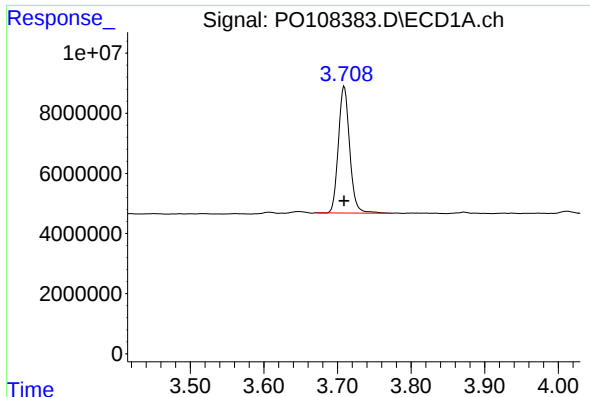
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO120624\  
Data File : PO108383.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Dec 2024 20:44  
Operator : YP/AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 07 04:55:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO120624.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Sat Dec 07 04:53:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

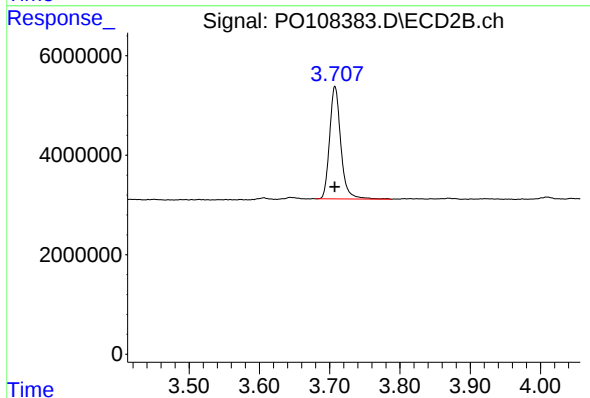




#1 Tetrachloro-m-xylene

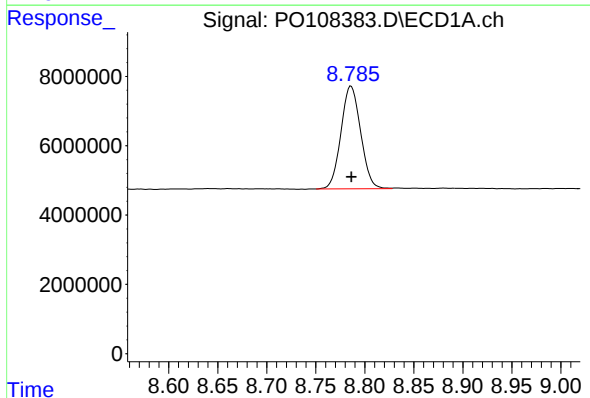
R.T.: 3.709 min  
Delta R.T.: 0.000 min  
Response: 44979145  
Conc: 4.74 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



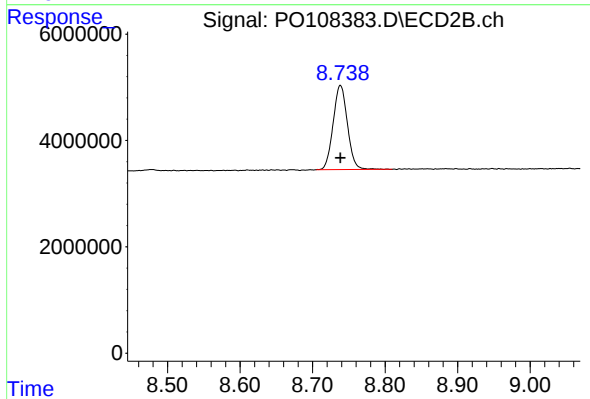
#1 Tetrachloro-m-xylene

R.T.: 3.708 min  
Delta R.T.: 0.000 min  
Response: 24991936  
Conc: 4.66 ng/ml



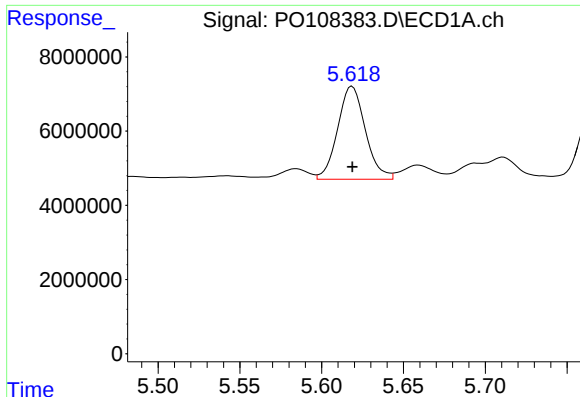
#2 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: 0.000 min  
Response: 41446440  
Conc: 5.28 ng/ml



#2 Decachlorobiphenyl

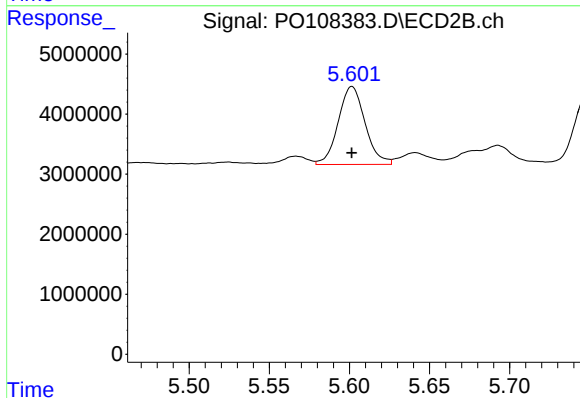
R.T.: 8.738 min  
Delta R.T.: 0.000 min  
Response: 21658098  
Conc: 5.09 ng/ml



#26 AR-1254-1

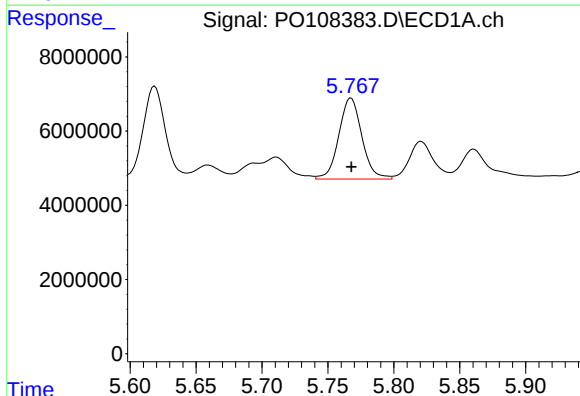
R.T.: 5.619 min  
Delta R.T.: 0.000 min  
Response: 29499091  
Conc: 57.61 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



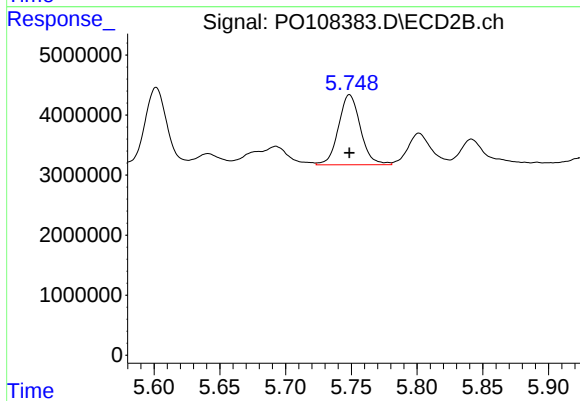
#26 AR-1254-1

R.T.: 5.602 min  
Delta R.T.: 0.000 min  
Response: 15172054  
Conc: 56.35 ng/ml



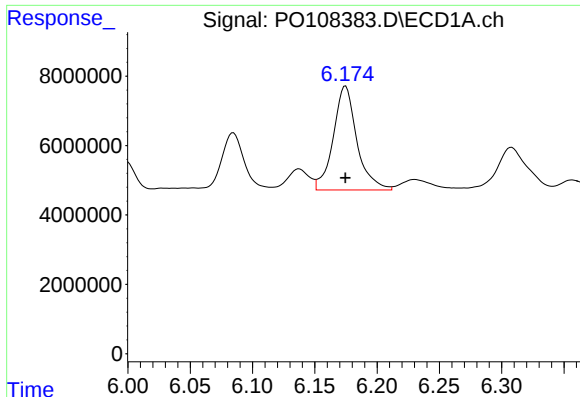
#27 AR-1254-2

R.T.: 5.768 min  
Delta R.T.: 0.000 min  
Response: 26615835  
Conc: 58.77 ng/ml



#27 AR-1254-2

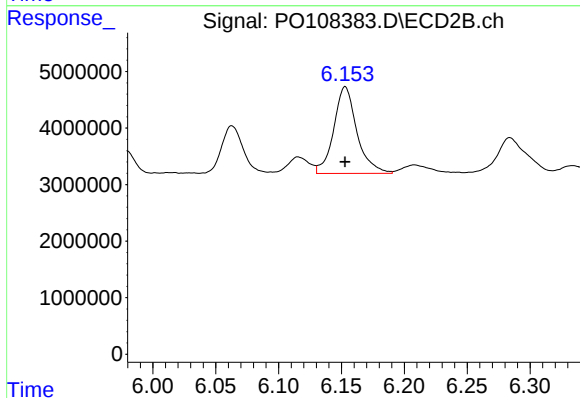
R.T.: 5.749 min  
Delta R.T.: 0.000 min  
Response: 13582944  
Conc: 56.89 ng/ml



#28 AR-1254-3

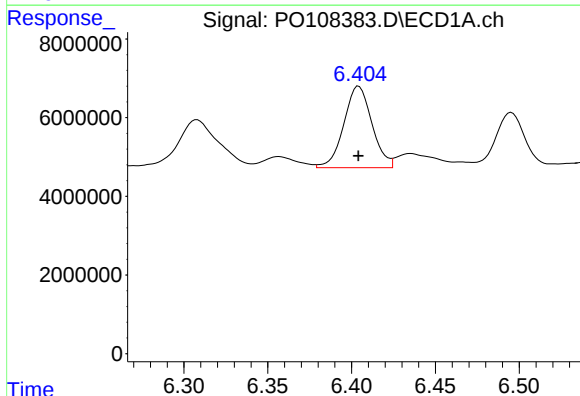
R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 39577166  
Conc: 54.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



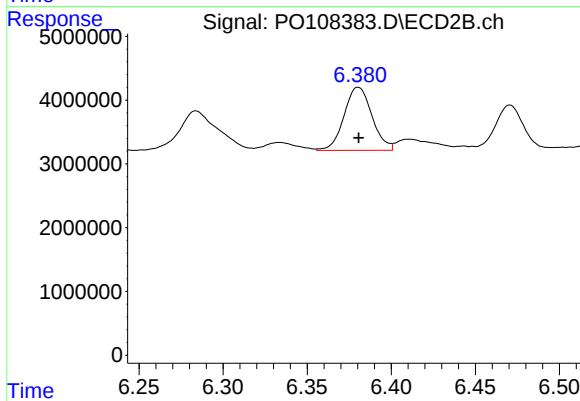
#28 AR-1254-3

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 19696275  
Conc: 51.77 ng/ml



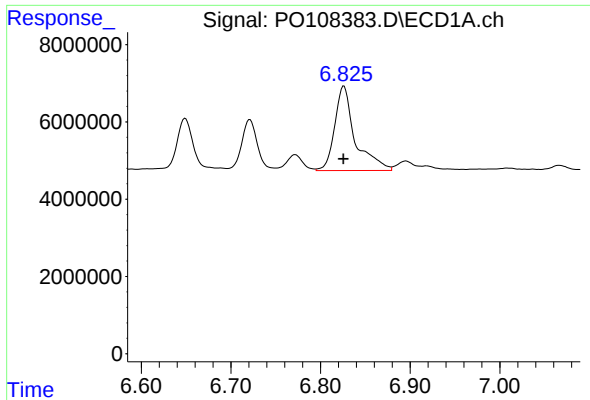
#29 AR-1254-4

R.T.: 6.404 min  
Delta R.T.: 0.000 min  
Response: 24247164  
Conc: 54.58 ng/ml



#29 AR-1254-4

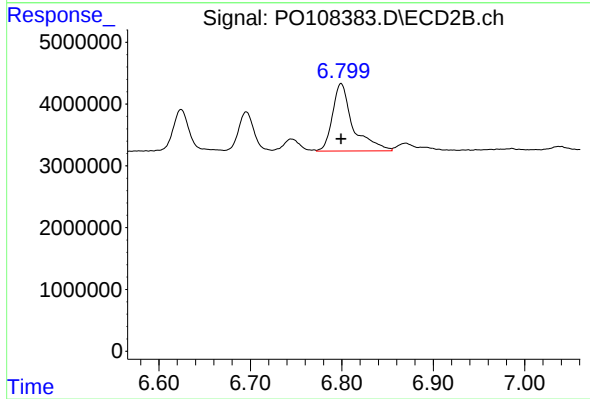
R.T.: 6.380 min  
Delta R.T.: 0.000 min  
Response: 11443812  
Conc: 51.90 ng/ml



#30 AR-1254-5

R.T.: 6.826 min  
Delta R.T.: 0.000 min  
Response: 34671057  
Conc: 54.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050



#30 AR-1254-5

R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 16988687  
Conc: 51.95 ng/ml