

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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

## LAB CHRONICLE

|                 |                   |                   |                                          |
|-----------------|-------------------|-------------------|------------------------------------------|
| <b>OrderID:</b> | Q1322             | <b>OrderDate:</b> | 2/6/2025 1:17:00 PM                      |
| <b>Client:</b>  | Spectra East Inc. | <b>Project:</b>   | Outfall 001 - Orangetown Dis Permit 2025 |
| <b>Contact:</b> | Jacob Valeich     | <b>Location:</b>  | N41,VOA Ref. #3 Water                    |

| LabID    | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|------|--------|-------------|-----------|-----------|----------|
| Q1322-01 | MANHOLE  | WATER  | PCB  | 8082A  | 02/06/25    | 02/07/25  | 02/07/25  | 02/06/25 |



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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1322

**Order ID:** Q1322

**Client:** Spectra East Inc.

**Project ID:** Outfall 001 - Orangetown Dis Permit 2

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

Client ID :

**Total Concentration:** 0.000



# QC SUMMARY

### Surrogate Summary

SDG No.: Q1322

Client: Spectra East Inc.

Analytical Method: 8082A

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                  |                      |        |       |        |     |      | Low    | High |
| I.BLK-PP069264.D | PIBLK-PP069264.D | Tetrachloro-m-xylene | 1      | 20    | 25.7   | 128 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.4   | 127 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 26.0   | 130 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 25.4   | 127 |      | 60     | 140  |
| I.BLK-PP069607.D | PIBLK-PP069607.D | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.8   | 109 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.7   | 108 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.0   | 110 |      | 60     | 140  |
| PB166608BL       | PB166608BL       | Tetrachloro-m-xylene | 1      | 20    | 25.4   | 127 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 24.9   | 124 |      | 10     | 173  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 26.0   | 130 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 25.0   | 125 |      | 10     | 173  |
| PB166608BS       | PB166608BS       | Tetrachloro-m-xylene | 1      | 20    | 26.0   | 130 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.4   | 127 |      | 10     | 173  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 25.4   | 127 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 25.7   | 128 |      | 10     | 173  |
| PB166608BSD      | PB166608BSD      | Tetrachloro-m-xylene | 1      | 20    | 26.1   | 130 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.4   | 127 |      | 10     | 173  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 25.4   | 127 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 26.0   | 130 |      | 10     | 173  |
| Q1322-01         | MANHOLE          | Tetrachloro-m-xylene | 1      | 20    | 23.1   | 115 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 16.9   | 85  |      | 10     | 173  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 23.8   | 119 |      | 10     | 157  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 18.4   | 92  |      | 10     | 173  |
| I.BLK-PP069621.D | PIBLK-PP069621.D | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.9   | 110 |      | 60     | 140  |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.6   | 108 |      | 60     | 140  |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 22.4   | 112 |      | 60     | 140  |



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

**SW-846**

**SDG No.:** Q1322

**Client:** Spectra East Inc.

**Analytical Method:** **8082A** **Datafile :** PP069609.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166608BS    | AR1016    | 5     | 5.00   | ug/L  | 100 |     |      |      | 61  | 112    |     |
|               | AR1260    | 5     | 4.80   | ug/L  | 96  |     |      |      | 66  | 113    |     |



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

**SW-846**

**SDG No.:** Q1322

**Client:** Spectra East Inc.

**Analytical Method:** **8082A** **Datafile :** PP069610.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |           |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB166608BSD   | AR1016    | 5     | 4.90   | ug/L  | 98  | 2   |      |      | 61  | 112    | 20  |
|               | AR1260    | 5     | 4.90   | ug/L  | 98  | 2   |      |      | 66  | 113    | 20  |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166608BL

Lab Name: CHEMTECH

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322

SAS No.: Q1322 SDG NO.: Q1322

Lab Sample ID: PB166608BL

Lab File ID: PP069608.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/07/2025

Date Analyzed (1): 02/07/2025

Date Analyzed (2): 02/07/2025

Time Analyzed (1): 16:57

Time Analyzed (2): 16:57

Instrument ID (1): ECD\_P

Instrument ID (2): ECD\_P

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB166608BS        | PB166608BS       | PP069609.D     | 02/07/2025         | 02/07/2025         |
| PB166608BSD       | PB166608BSD      | PP069610.D     | 02/07/2025         | 02/07/2025         |
| MANHOLE           | Q1322-01         | PP069614.D     | 02/07/2025         | 02/07/2025         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                                          |                    |          |
|--------------------|------------------------------------------|--------------------|----------|
| Client:            | Spectra East Inc.                        | Date Collected:    | 02/06/25 |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     | 02/06/25 |
| Client Sample ID:  | MANHOLE                                  | SDG No.:           | Q1322    |
| Lab Sample ID:     | Q1322-01                                 | Matrix:            | WATER    |
| Analytical Method: | SW8082A                                  | % Solid:           | 0        |
| Sample Wt/Vol:     | 960                                      | 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 |
| PP069614.D        | 1         | 02/07/25 08:10 | 02/07/25 18:35 | PB166608      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.16  | U         | 0.16     | 0.52       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.24  | U         | 0.24     | 0.52       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.39  | U         | 0.39     | 0.52       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.17  | U         | 0.17     | 0.52       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.13  | U         | 0.13     | 0.52       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.52       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.15  | U         | 0.15     | 0.52       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.13  | U         | 0.13     | 0.52       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.16  | U         | 0.16     | 0.52       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 23.8  |           | 10 - 157 | 119%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.4  |           | 10 - 173 | 92%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &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\_P\Data\PP020725\  
 Data File : PP069614.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2025 18:35  
 Operator : YP\AJ  
 Sample : Q1322-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 MANHOLE

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 08 00:12:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.534  | 3.836 | 33046439 | 21238707 | 23.085 | 23.796 |
| 2) SA Decachlor...          | 10.266 | 8.898 | 18485571 | 20524349 | 16.914 | 18.350 |

Target Compounds

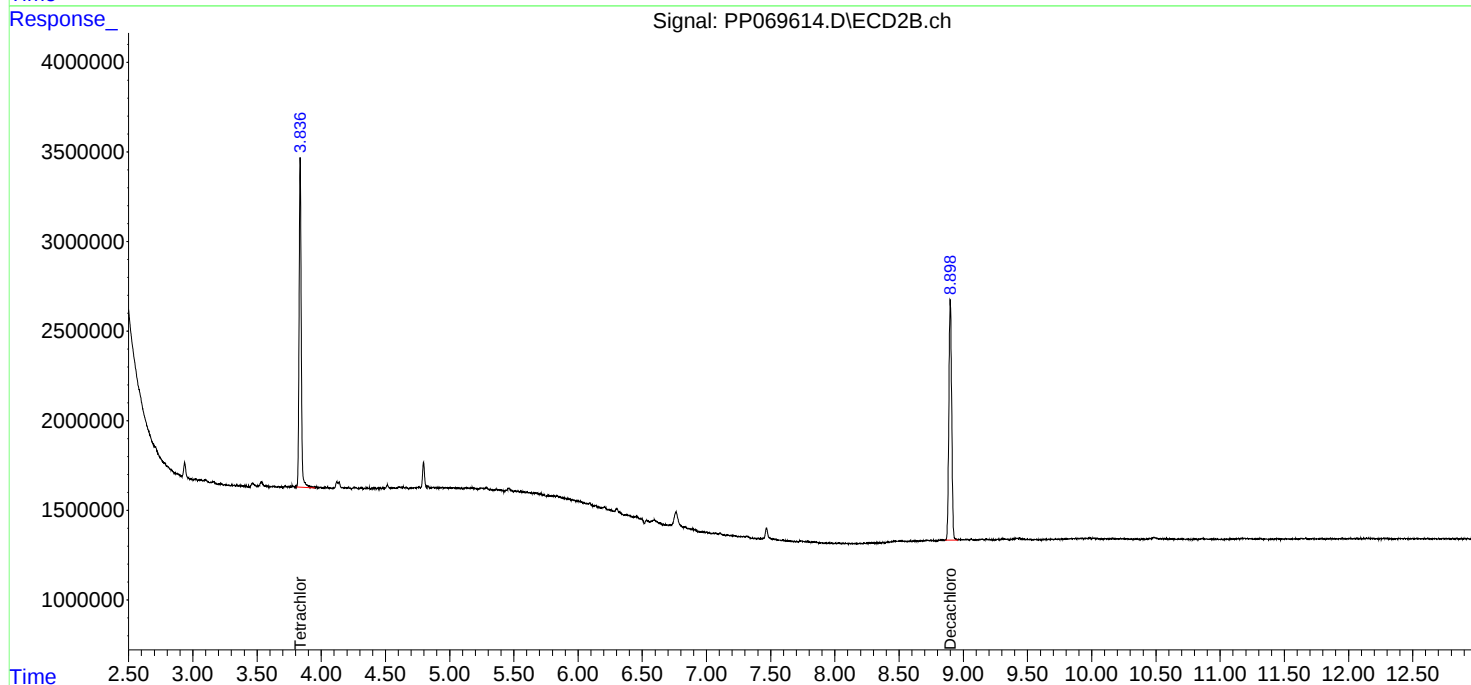
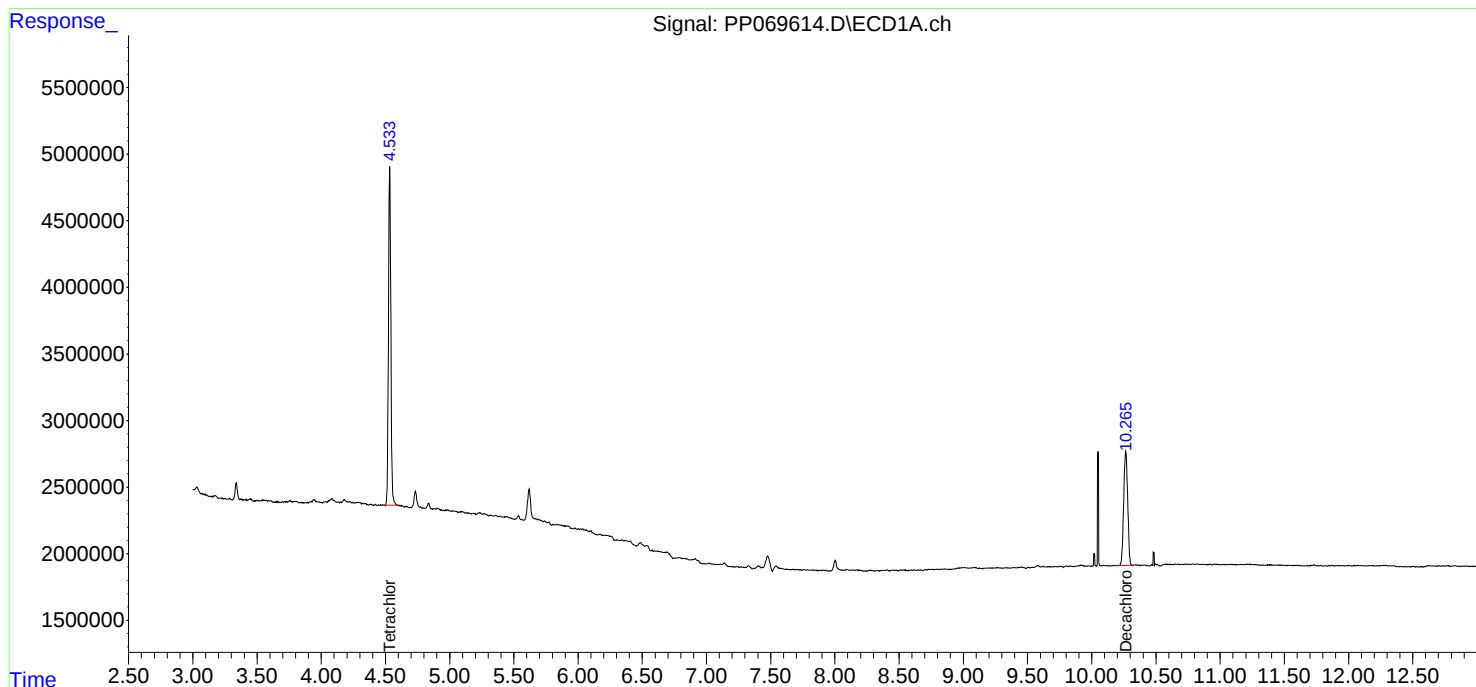
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

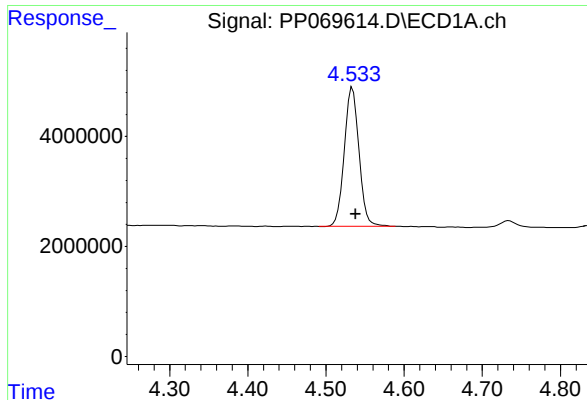
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069614.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 18:35  
Operator : YP\AJ  
Sample : Q1322-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
MANHOLE

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:12:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : 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

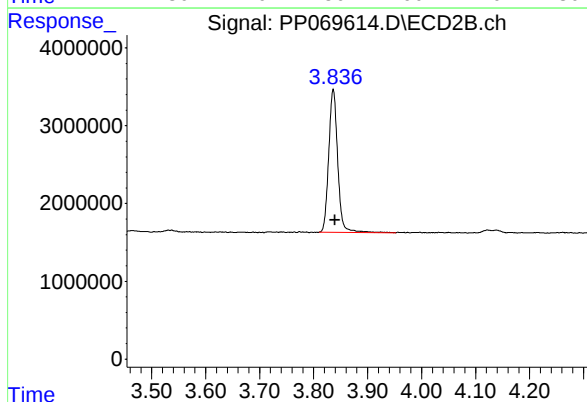




## #1 Tetrachloro-m-xylene

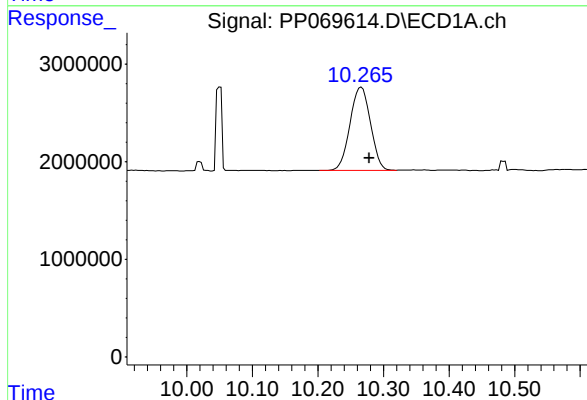
R.T.: 4.534 min  
Delta R.T.: -0.004 min  
Response: 33046439  
Conc: 23.09 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
MANHOLE



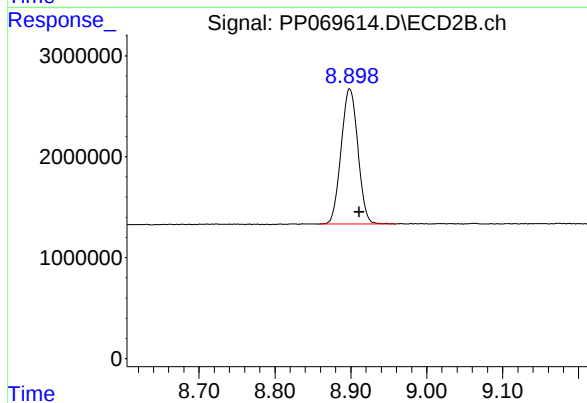
## #1 Tetrachloro-m-xylene

R.T.: 3.836 min  
Delta R.T.: -0.004 min  
Response: 21238707  
Conc: 23.80 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.266 min  
Delta R.T.: -0.012 min  
Response: 18485571  
Conc: 16.91 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.898 min  
Delta R.T.: -0.013 min  
Response: 20524349  
Conc: 18.35 ng/ml



# CALIBRATION SUMMARY

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** SPEC01  
**Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322 **SDG NO.:** Q1322  
**Instrument ID:** ECD\_P **Calibration Date(s):** 01/28/2025 01/28/2025  
**Calibration Times:** 09:37 17:30

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

|                                   |                                    |                                   |
|-----------------------------------|------------------------------------|-----------------------------------|
| <b>LAB FILE ID:</b>               | <b>RT 1000 =</b> <u>PP069265.D</u> | <b>RT 750 =</b> <u>PP069266.D</u> |
| <b>RT 500 =</b> <u>PP069267.D</u> | <b>RT 250 =</b> <u>PP069268.D</u>  | <b>RT 050 =</b> <u>PP069269.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |       |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|-------|
|                      |     |         |        |        |        |        |            | FROM      | TO    |
| Aroclor-1016-1       | (1) | 5.69    | 5.69   | 5.69   | 5.69   | 5.69   | 5.69       | 5.59      | 5.79  |
| Aroclor-1016-2       | (2) | 5.71    | 5.71   | 5.71   | 5.71   | 5.71   | 5.71       | 5.61      | 5.81  |
| Aroclor-1016-3       | (3) | 5.78    | 5.77   | 5.78   | 5.77   | 5.78   | 5.78       | 5.68      | 5.88  |
| Aroclor-1016-4       | (4) | 5.87    | 5.87   | 5.87   | 5.87   | 5.87   | 5.87       | 5.77      | 5.97  |
| Aroclor-1016-5       | (5) | 6.17    | 6.17   | 6.17   | 6.16   | 6.17   | 6.17       | 6.07      | 6.27  |
| Aroclor-1260-1       | (1) | 7.29    | 7.29   | 7.29   | 7.28   | 7.29   | 7.29       | 7.19      | 7.39  |
| Aroclor-1260-2       | (2) | 7.54    | 7.54   | 7.54   | 7.54   | 7.54   | 7.54       | 7.44      | 7.64  |
| Aroclor-1260-3       | (3) | 7.90    | 7.90   | 7.90   | 7.90   | 7.90   | 7.90       | 7.80      | 8.00  |
| Aroclor-1260-4       | (4) | 8.12    | 8.12   | 8.13   | 8.12   | 8.12   | 8.12       | 8.02      | 8.22  |
| Aroclor-1260-5       | (5) | 8.45    | 8.45   | 8.45   | 8.44   | 8.45   | 8.45       | 8.35      | 8.55  |
| Decachlorobiphenyl   |     | 10.28   | 10.28  | 10.28  | 10.28  | 10.28  | 10.28      | 10.18     | 10.38 |
| Tetrachloro-m-xylene |     | 4.54    | 4.54   | 4.54   | 4.53   | 4.54   | 4.54       | 4.44      | 4.64  |
| Aroclor-1242-1       | (1) | 5.69    | 5.69   | 5.69   | 5.69   | 5.69   | 5.69       | 5.59      | 5.79  |
| Aroclor-1242-2       | (2) | 5.71    | 5.71   | 5.71   | 5.71   | 5.71   | 5.71       | 5.61      | 5.81  |
| Aroclor-1242-3       | (3) | 5.78    | 5.78   | 5.77   | 5.78   | 5.77   | 5.78       | 5.68      | 5.88  |
| Aroclor-1242-4       | (4) | 5.87    | 5.87   | 5.87   | 5.87   | 5.87   | 5.87       | 5.77      | 5.97  |
| Aroclor-1242-5       | (5) | 6.61    | 6.60   | 6.60   | 6.61   | 6.60   | 6.60       | 6.50      | 6.70  |
| Decachlorobiphenyl   |     | 10.28   | 10.28  | 10.28  | 10.28  | 10.28  | 10.28      | 10.18     | 10.38 |
| Tetrachloro-m-xylene |     | 4.54    | 4.54   | 4.54   | 4.54   | 4.54   | 4.54       | 4.44      | 4.64  |
| Aroclor-1248-1       | (1) | 5.69    | 5.69   | 5.69   | 5.69   | 5.69   | 5.69       | 5.59      | 5.79  |
| Aroclor-1248-2       | (2) | 5.96    | 5.96   | 5.97   | 5.96   | 5.96   | 5.96       | 5.86      | 6.06  |
| Aroclor-1248-3       | (3) | 6.17    | 6.17   | 6.17   | 6.17   | 6.17   | 6.17       | 6.07      | 6.27  |
| Aroclor-1248-4       | (4) | 6.57    | 6.56   | 6.57   | 6.56   | 6.57   | 6.57       | 6.47      | 6.67  |
| Aroclor-1248-5       | (5) | 6.60    | 6.60   | 6.61   | 6.60   | 6.60   | 6.60       | 6.50      | 6.70  |
| Decachlorobiphenyl   |     | 10.28   | 10.28  | 10.28  | 10.28  | 10.28  | 10.28      | 10.18     | 10.38 |
| Tetrachloro-m-xylene |     | 4.54    | 4.54   | 4.54   | 4.54   | 4.54   | 4.54       | 4.44      | 4.64  |
| Aroclor-1254-1       | (1) | 6.54    | 6.54   | 6.54   | 6.54   | 6.54   | 6.54       | 6.44      | 6.64  |
| Aroclor-1254-2       | (2) | 6.76    | 6.76   | 6.76   | 6.76   | 6.76   | 6.76       | 6.66      | 6.86  |
| Aroclor-1254-3       | (3) | 7.12    | 7.12   | 7.12   | 7.12   | 7.12   | 7.12       | 7.02      | 7.22  |
| Aroclor-1254-4       | (4) | 7.40    | 7.41   | 7.40   | 7.40   | 7.41   | 7.40       | 7.30      | 7.50  |
| Aroclor-1254-5       | (5) | 7.82    | 7.82   | 7.82   | 7.82   | 7.82   | 7.82       | 7.72      | 7.92  |
| Decachlorobiphenyl   |     | 10.28   | 10.28  | 10.28  | 10.28  | 10.28  | 10.28      | 10.18     | 10.38 |
| Tetrachloro-m-xylene |     | 4.54    | 4.54   | 4.53   | 4.54   | 4.54   | 4.54       | 4.44      | 4.64  |
| Aroclor-1268-1       | (1) | 8.76    | 8.76   | 8.76   | 8.78   | 8.76   | 8.77       | 8.67      | 8.87  |
| Aroclor-1268-2       | (2) | 8.86    | 8.86   | 8.86   | 8.87   | 8.86   | 8.86       | 8.76      | 8.96  |
| Aroclor-1268-3       | (3) | 9.09    | 9.09   | 9.09   | 9.11   | 9.09   | 9.10       | 9.00      | 9.20  |
| Aroclor-1268-4       | (4) | 9.51    | 9.51   | 9.51   | 9.53   | 9.51   | 9.51       | 9.41      | 9.61  |
| Aroclor-1268-5       | (5) | 9.93    | 9.94   | 9.93   | 9.95   | 9.93   | 9.94       | 9.84      | 10.04 |



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**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Decachlorobiphenyl   | 10.28 | 10.28 | 10.28 | 10.29 | 10.28 | 10.28 | 10.18 | 10.38 |
| Tetrachloro-m-xylene | 4.54  | 4.54  | 4.54  | 4.55  | 4.54  | 4.54  | 4.44  | 4.64  |

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

|              |            |                   |            |                     |
|--------------|------------|-------------------|------------|---------------------|
| LAB FILE ID: | RT 1000 =  | <u>PP069265.D</u> | RT 750 =   | <u>PP069266.D</u>   |
| RT 500 =     | PP069267.D | RT 250 =          | PP069268.D | RT 050 = PP069269.D |

[illegible]

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** SPEC01  
**Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322 **SDG NO.:** Q1322  
**Instrument ID:** ECD\_P  
**Calibration Date(s):** 01/28/2025 01/28/2025  
**Calibration Times:** 09:37 17:30

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

| LAB FILE ID:               |     | CF 1000 = <u>PP069265.D</u> |            | CF 750 = <u>PP069266.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP069267.D</u> |     | CF 250 = <u>PP069268.D</u>  |            | CF 050 = <u>PP069269.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 44563885                    | 46103675   | 49194740                   | 50253212   | 41549440   | 46332990   |
| Aroclor-1016-2             | (2) | 66115347                    | 69779753   | 70658198                   | 75938800   | 56893880   | 67877196   |
| Aroclor-1016-3             | (3) | 39869399                    | 41463369   | 44413634                   | 48593324   | 38643280   | 42596601   |
| Aroclor-1016-4             | (4) | 33707176                    | 35303807   | 36719774                   | 37971988   | 31299580   | 35000465   |
| Aroclor-1016-5             | (5) | 32090736                    | 33824409   | 35071540                   | 36758492   | 27547540   | 33058543   |
| Aroclor-1260-1             | (1) | 55810838                    | 58374851   | 61327242                   | 65126844   | 51541560   | 58436267   |
| Aroclor-1260-2             | (2) | 71849008                    | 75229505   | 78748522                   | 85337848   | 77899600   | 77812897   |
| Aroclor-1260-3             | (3) | 59639386                    | 62129519   | 64349302                   | 69276732   | 57201340   | 62519256   |
| Aroclor-1260-4             | (4) | 61734973                    | 64735973   | 67542400                   | 73350432   | 62520020   | 65976760   |
| Aroclor-1260-5             | (5) | 125094433                   | 130279153  | 135629934                  | 144497620  | 119128460  | 130925920  |
| Decachlorobiphenyl         |     | 1069166160                  | 1116444307 | 1169529200                 | 1243495760 | 865856800  | 1092898445 |
| Tetrachloro-m-xylene       |     | 1430473260                  | 1473828093 | 1522470140                 | 1571078520 | 1159551800 | 1431480363 |
| Aroclor-1242-1             | (1) | 38881934                    | 40183667   | 43367056                   | 45129572   | 40964140   | 41705274   |
| Aroclor-1242-2             | (2) | 57026747                    | 57896231   | 62116710                   | 63798460   | 54116520   | 58990934   |
| Aroclor-1242-3             | (3) | 35212135                    | 35868905   | 39015138                   | 40586632   | 34810280   | 37098618   |
| Aroclor-1242-4             | (4) | 29733477                    | 30521513   | 32725012                   | 34827232   | 36166060   | 32794659   |
| Aroclor-1242-5             | (5) | 31146343                    | 32194257   | 34488024                   | 36289728   | 28803300   | 32584330   |
| Decachlorobiphenyl         |     | 1046199870                  | 1081727787 | 1138401280                 | 1175392440 | 940280400  | 1076400355 |
| Tetrachloro-m-xylene       |     | 1435254920                  | 1458364720 | 1537301860                 | 1551717280 | 1142408000 | 1425009356 |
| Aroclor-1248-1             | (1) | 29720774                    | 31068636   | 32496050                   | 36489328   | 32420520   | 32439062   |
| Aroclor-1248-2             | (2) | 40031392                    | 40786873   | 43476982                   | 45978940   | 41957800   | 42446397   |
| Aroclor-1248-3             | (3) | 44249426                    | 45321484   | 48274812                   | 49262872   | 47827180   | 46987155   |
| Aroclor-1248-4             | (4) | 52361428                    | 54561383   | 58048758                   | 58995000   | 51639900   | 55121294   |
| Aroclor-1248-5             | (5) | 50435355                    | 52347879   | 55697774                   | 57690052   | 50747900   | 53383792   |
| Decachlorobiphenyl         |     | 1037639180                  | 1069858813 | 1128342940                 | 1177314960 | 1004783400 | 1083587859 |
| Tetrachloro-m-xylene       |     | 1397850760                  | 1441113413 | 1513274920                 | 1556018920 | 1233936200 | 1428438843 |
| Aroclor-1254-1             | (1) | 52694329                    | 56123723   | 55956580                   | 61395668   | 63148280   | 57863716   |
| Aroclor-1254-2             | (2) | 75242428                    | 80121392   | 80560264                   | 87256592   | 78028640   | 80241863   |
| Aroclor-1254-3             | (3) | 78719981                    | 83731985   | 84853004                   | 89742068   | 84395060   | 84288420   |
| Aroclor-1254-4             | (4) | 63293404                    | 67680445   | 70564640                   | 73119196   | 66281540   | 68187845   |
| Aroclor-1254-5             | (5) | 65136323                    | 67898099   | 69017528                   | 74762784   | 63416000   | 68046147   |
| Decachlorobiphenyl         |     | 1048312770                  | 1098692147 | 1135082800                 | 1189137760 | 958537000  | 1085952495 |
| Tetrachloro-m-xylene       |     | 1421810410                  | 1488698480 | 1487019120                 | 1532331840 | 1227018400 | 1431375650 |
| Aroclor-1268-1             | (1) | 176588317                   | 184780069  | 192785674                  | 202822560  | 125915500  | 176578424  |



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#### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |            |            |            |            |            |            |    |
|----------------------|-----|------------|------------|------------|------------|------------|------------|----|
| Aroclor-1268-2       | (2) | 157019138  | 164413571  | 171697424  | 179175396  | 114552180  | 157371542  | 16 |
| Aroclor-1268-3       | (3) | 134437818  | 140375337  | 146778962  | 154508480  | 92538920   | 133727903  | 18 |
| Aroclor-1268-4       | (4) | 59595033   | 62280167   | 64687112   | 67890812   | 39150760   | 58720777   | 19 |
| Aroclor-1268-5       | (5) | 388908034  | 403290352  | 414501270  | 436451084  | 261335260  | 380897200  | 18 |
| Decachlorobiphenyl   |     | 1754282940 | 1839272453 | 1920856020 | 2033075320 | 1195912000 | 1748679747 | 19 |
| Tetrachloro-m-xylene |     | 1417405090 | 1481109080 | 1537248520 | 1587731960 | 907526000  | 1386204130 | 20 |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** SPEC01  
**Lab Code:** CHEM **Case No.:** Q1322 **SAS No.:** Q1322 **SDG NO.:** Q1322  
**Instrument ID:** ECD\_P **Calibration Date(s):** 01/28/2025 01/28/2025  
**Calibration Times:** 09:37 17:30  
**GC Column:** ZB-MR2 **ID:** 0.32 (mm)

| LAB FILE ID:               |     | CF 1000 = <u>PP069265.D</u> |            | CF 750 = <u>PP069266.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP069267.D</u> |     | CF 250 = <u>PP069268.D</u>  |            | CF 050 = <u>PP069269.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 31633685                    | 33556627   | 33480936                   | 37954972   | 26448920   | 32615028   |
| Aroclor-1016-2             | (2) | 44031797                    | 46303903   | 46946506                   | 51687136   | 35822760   | 44958420   |
| Aroclor-1016-3             | (3) | 24261336                    | 25813949   | 25589188                   | 28587740   | 20167700   | 24883983   |
| Aroclor-1016-4             | (4) | 19438184                    | 20660733   | 21000612                   | 23487460   | 16394360   | 20196270   |
| Aroclor-1016-5             | (5) | 25297814                    | 26477140   | 27113278                   | 31243672   | 23987600   | 26823901   |
| Aroclor-1260-1             | (1) | 45562804                    | 49216963   | 49245668                   | 55739104   | 41383080   | 48229524   |
| Aroclor-1260-2             | (2) | 56383179                    | 60514057   | 62488844                   | 68895184   | 58237140   | 61303681   |
| Aroclor-1260-3             | (3) | 52562549                    | 57114871   | 56932784                   | 65734744   | 68437200   | 60156430   |
| Aroclor-1260-4             | (4) | 44924385                    | 48584991   | 47607396                   | 54330272   | 36891520   | 46467713   |
| Aroclor-1260-5             | (5) | 110513786                   | 116112688  | 112600456                  | 126598028  | 89900460   | 111145084  |
| Decachlorobiphenyl         |     | 1081648740                  | 1075757973 | 1104259920                 | 1329032280 | 1001721800 | 1118484143 |
| Tetrachloro-m-xylene       |     | 895719350                   | 929032907  | 946597040                  | 991735040  | 699610200  | 892538907  |
| Aroclor-1242-1             | (1) | 28457446                    | 29119925   | 30117864                   | 31061644   | 25403260   | 28832028   |
| Aroclor-1242-2             | (2) | 39820013                    | 39941537   | 41764664                   | 42385248   | 33077260   | 39397744   |
| Aroclor-1242-3             | (3) | 22243475                    | 22254861   | 23816158                   | 23489144   | 20716780   | 22504084   |
| Aroclor-1242-4             | (4) | 21211563                    | 21374985   | 23120084                   | 22340476   | 19864100   | 21582242   |
| Aroclor-1242-5             | (5) | 28383043                    | 28234200   | 30402778                   | 30060424   | 26761400   | 28768369   |
| Decachlorobiphenyl         |     | 1070572940                  | 1042369120 | 1225620920                 | 1172941720 | 1058329800 | 1113966900 |
| Tetrachloro-m-xylene       |     | 948008600                   | 922176493  | 1006063320                 | 982881880  | 776172200  | 927060499  |
| Aroclor-1248-1             | (1) | 21330255                    | 20853876   | 23185376                   | 25262184   | 19421120   | 22010562   |
| Aroclor-1248-2             | (2) | 28324001                    | 27797971   | 30327126                   | 34009348   | 29864480   | 30064585   |
| Aroclor-1248-3             | (3) | 29601440                    | 28764189   | 31580800                   | 34840008   | 30135060   | 30984299   |
| Aroclor-1248-4             | (4) | 35306028                    | 34213227   | 37879582                   | 41180744   | 36138900   | 36943696   |
| Aroclor-1248-5             | (5) | 36064443                    | 35808685   | 37834928                   | 42037920   | 35201060   | 37389407   |
| Decachlorobiphenyl         |     | 980404060                   | 959895520  | 1126421340                 | 1202320960 | 1104048600 | 1074618096 |
| Tetrachloro-m-xylene       |     | 933404290                   | 928217333  | 964099100                  | 1014391000 | 824892400  | 933000825  |
| Aroclor-1254-1             | (1) | 53877397                    | 54753924   | 53404230                   | 60667048   | 52576380   | 55055796   |
| Aroclor-1254-2             | (2) | 46864995                    | 47439047   | 46558300                   | 52821560   | 48160120   | 48368804   |
| Aroclor-1254-3             | (3) | 74986178                    | 74525173   | 75336702                   | 83772976   | 70859440   | 75896094   |
| Aroclor-1254-4             | (4) | 49801197                    | 49979288   | 49838494                   | 57136496   | 49493140   | 51249723   |
| Aroclor-1254-5             | (5) | 65231257                    | 66669389   | 67386324                   | 74850464   | 58664800   | 66560447   |
| Decachlorobiphenyl         |     | 1035199210                  | 1139963307 | 1108865600                 | 1276887280 | 1138306800 | 1139844439 |
| Tetrachloro-m-xylene       |     | 952003350                   | 962162200  | 938236480                  | 997354800  | 818278400  | 933607046  |
| Aroclor-1268-1             | (1) | 145329954                   | 150069627  | 161518540                  | 160247580  | 108445040  | 145122148  |



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#### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |            |            |            |            |            |            |    |
|----------------------|-----|------------|------------|------------|------------|------------|------------|----|
| Aroclor-1268-2       | (2) | 134157524  | 139030160  | 148727672  | 146560884  | 95601640   | 132815576  | 16 |
| Aroclor-1268-3       | (3) | 115152122  | 117884433  | 127017896  | 124541824  | 84093360   | 113737927  | 15 |
| Aroclor-1268-4       | (4) | 52741395   | 55225243   | 58789156   | 59095316   | 34538800   | 52077982   | 19 |
| Aroclor-1268-5       | (5) | 368786226  | 384323936  | 391666930  | 381773968  | 254352080  | 356180628  | 16 |
| Decachlorobiphenyl   |     | 1732023730 | 1823351800 | 1923257100 | 1922570920 | 1314788000 | 1743198310 | 14 |
| Tetrachloro-m-xylene |     | 921289540  | 958710907  | 983636500  | 1016257200 | 585968600  | 893172549  | 20 |



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### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD\_P Date(s) Analyzed: 01/28/2025 01/28/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.74 | 4.64      | 4.84 | 19019500              |
|              |                | 2    | 4.82 | 4.72      | 4.92 | 13692500              |
|              |                | 3    | 4.90 | 4.80      | 5.00 | 41943400              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.90 | 4.80      | 5.00 | 33293600              |
|              |                | 2    | 5.42 | 5.32      | 5.52 | 16342000              |
|              |                | 3    | 5.71 | 5.61      | 5.81 | 34359000              |
|              |                | 4    | 5.87 | 5.77      | 5.97 | 17816200              |
|              |                | 5    | 5.96 | 5.86      | 6.06 | 11462400              |
| Aroclor-1262 | 500            | 1    | 8.12 | 8.02      | 8.22 | 79018200              |
|              |                | 2    | 8.45 | 8.35      | 8.55 | 152923000             |
|              |                | 3    | 8.77 | 8.67      | 8.87 | 106280000             |
|              |                | 4    | 8.85 | 8.75      | 8.95 | 81793000              |
|              |                | 5    | 9.51 | 9.41      | 9.61 | 56610200              |



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### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Instrument ID: ECD\_P Date(s) Analyzed: 01/28/2025 01/28/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.05 | 3.95      | 4.15 | 12318000              |
|              |                | 2    | 4.14 | 4.04      | 4.24 | 9683380               |
|              |                | 3    | 4.22 | 4.12      | 4.32 | 29174200              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.22 | 4.12      | 4.32 | 23479400              |
|              |                | 2    | 4.95 | 4.85      | 5.05 | 23571800              |
|              |                | 3    | 5.13 | 5.03      | 5.23 | 12947200              |
|              |                | 4    | 5.21 | 5.11      | 5.31 | 11086300              |
|              |                | 5    | 5.39 | 5.29      | 5.49 | 12210300              |
| Aroclor-1262 | 500            | 1    | 6.98 | 6.88      | 7.08 | 71013200              |
|              |                | 2    | 7.24 | 7.14      | 7.34 | 60979400              |
|              |                | 3    | 7.77 | 7.67      | 7.87 | 52299200              |
|              |                | 4    | 7.83 | 7.73      | 7.93 | 92436400              |
|              |                | 5    | 8.34 | 8.24      | 8.44 | 47792200              |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069265.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 09:37  
 Operator : YP\AJ  
 Sample : AR1660ICC1000  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660ICC1000

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 10:44:15 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 10:41:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.840 | 143.0E6  | 89571935 | 96.885  | 97.257m |
| 2) SA Decachlor...          | 10.279 | 8.911 | 106.9E6  | 108.2E6  | 95.517  | 98.966  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.691  | 4.934 | 44563885 | 31633685 | 950.609 | 971.631 |
| 4) L1 AR-1016-2             | 5.712  | 4.953 | 66115347 | 44031797 | 966.786 | 967.963 |
| 5) L1 AR-1016-3             | 5.775  | 5.131 | 39869399 | 24261336 | 946.084 | 973.363 |
| 6) L1 AR-1016-4             | 5.872  | 5.172 | 33707176 | 19438184 | 957.224 | 961.363 |
| 7) L1 AR-1016-5             | 6.166  | 5.388 | 32090736 | 25297814 | 955.618 | 965.361 |
| 31) L7 AR-1260-1            | 7.286  | 6.428 | 55810838 | 45562804 | 952.907 | 961.155 |
| 32) L7 AR-1260-2            | 7.540  | 6.616 | 71849008 | 56383179 | 954.186 | 948.637 |
| 33) L7 AR-1260-3            | 7.899  | 6.771 | 59639386 | 52562549 | 962.013 | 960.087 |
| 34) L7 AR-1260-4            | 8.124  | 7.244 | 61734973 | 44924385 | 955.078 | 971.004 |
| 35) L7 AR-1260-5            | 8.445  | 7.484 | 125.1E6  | 110.5E6  | 959.591 | 990.648 |
| -----                       |        |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069265.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 09:37  
Operator : YP\AJ  
Sample : AR1660ICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

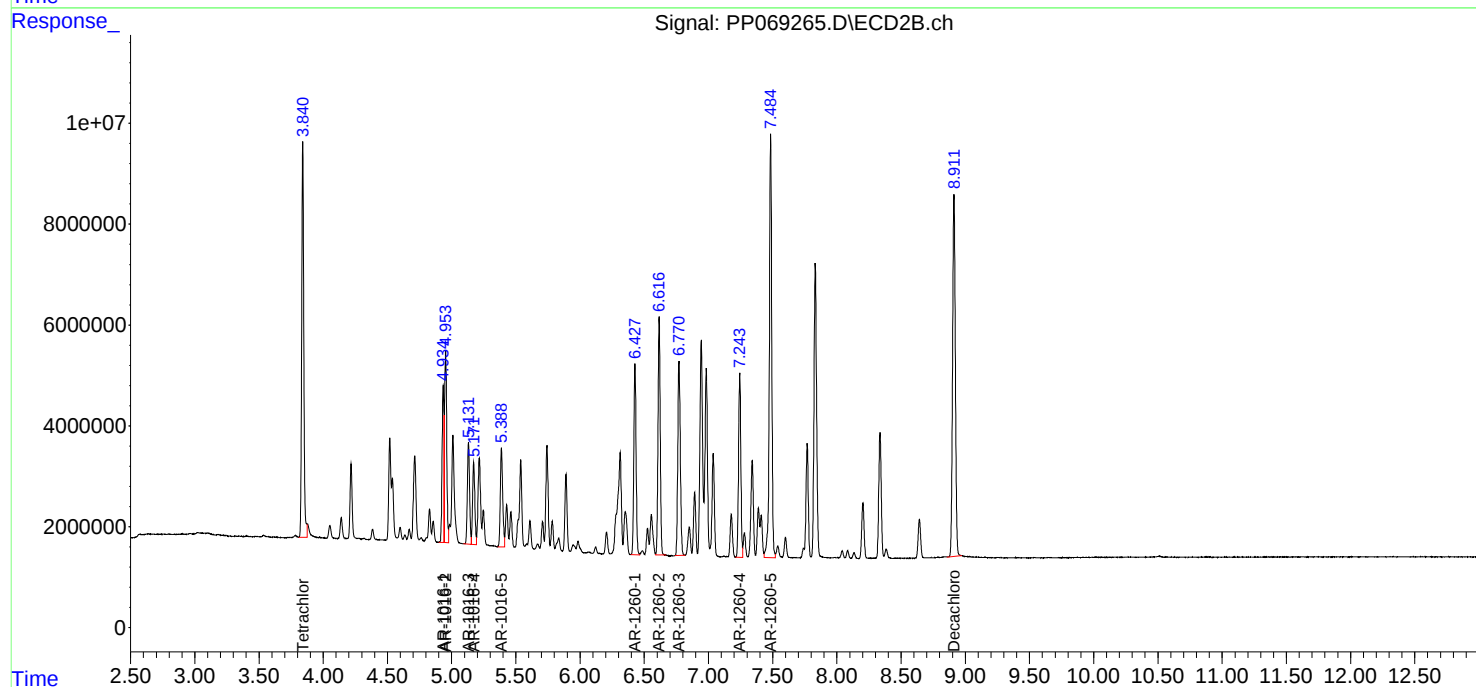
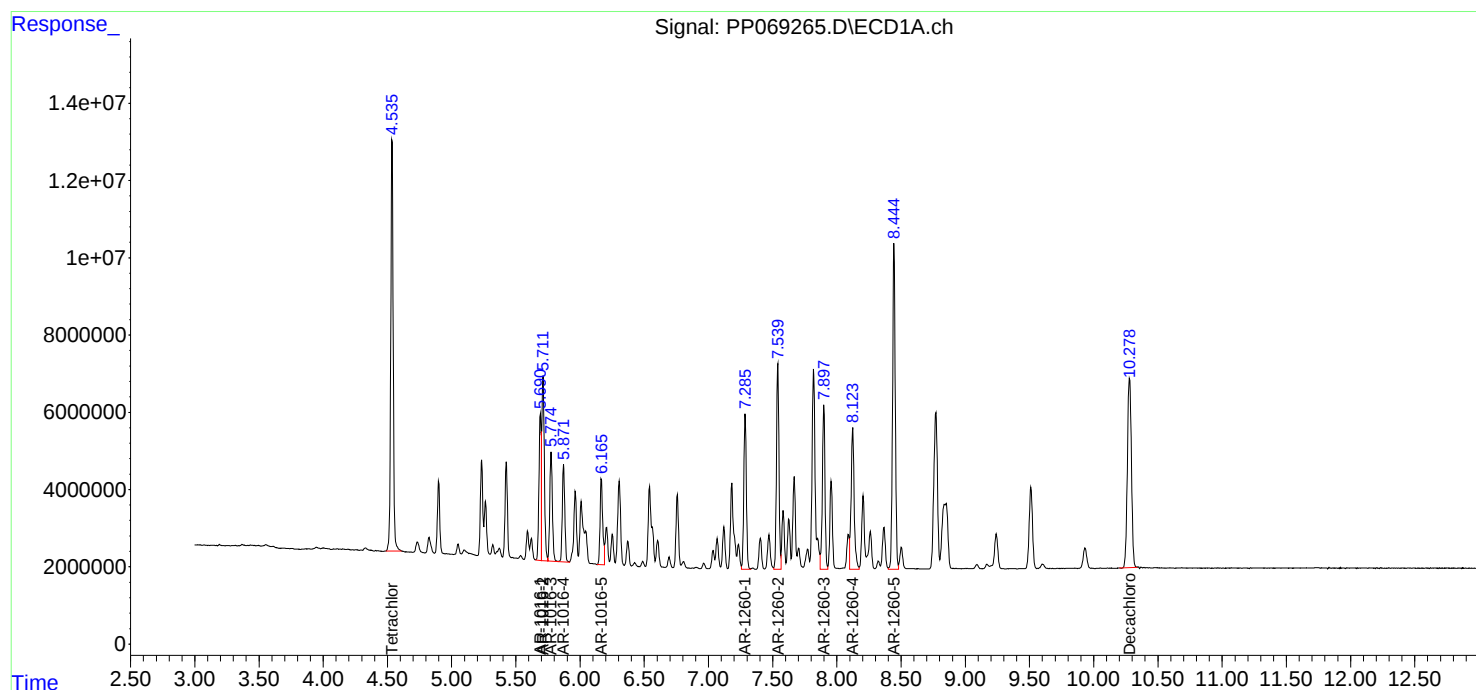
Instrument :  
ECD\_P  
ClientSampleId :  
AR1660ICC1000

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 10:44:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 10:41:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069266.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 09:54  
 Operator : YP\AJ  
 Sample : AR1660ICC750  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 10:47:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 10:41:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.840 | 110.5E6  | 69677468 | 74.910  | 75.426  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 83733323 | 80681848 | 74.870  | 74.209  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.690  | 4.933 | 34577756 | 25167470 | 741.681 | 765.192 |
| 4) L1 AR-1016-2             | 5.711  | 4.953 | 52334815 | 34727927 | 760.116 | 758.902 |
| 5) L1 AR-1016-3             | 5.774  | 5.130 | 31097527 | 19360462 | 741.911 | 767.618 |
| 6) L1 AR-1016-4             | 5.871  | 5.172 | 26477855 | 15495550 | 751.282 | 760.835 |
| 7) L1 AR-1016-5             | 6.165  | 5.387 | 25368307 | 19857855 | 753.613 | 755.164 |
| 31) L7 AR-1260-1            | 7.285  | 6.427 | 43781138 | 36912722 | 748.340 | 768.879 |
| 32) L7 AR-1260-2            | 7.540  | 6.615 | 56422129 | 45385543 | 749.540 | 759.014 |
| 33) L7 AR-1260-3            | 7.898  | 6.770 | 46597139 | 42836153 | 751.089 | 771.312 |
| 34) L7 AR-1260-4            | 8.123  | 7.243 | 48551980 | 36438743 | 750.752 | 774.651 |
| 35) L7 AR-1260-5            | 8.445  | 7.483 | 97709365 | 87084516 | 749.681 | 770.144 |
| -----                       |        |       |          |          |         |         |

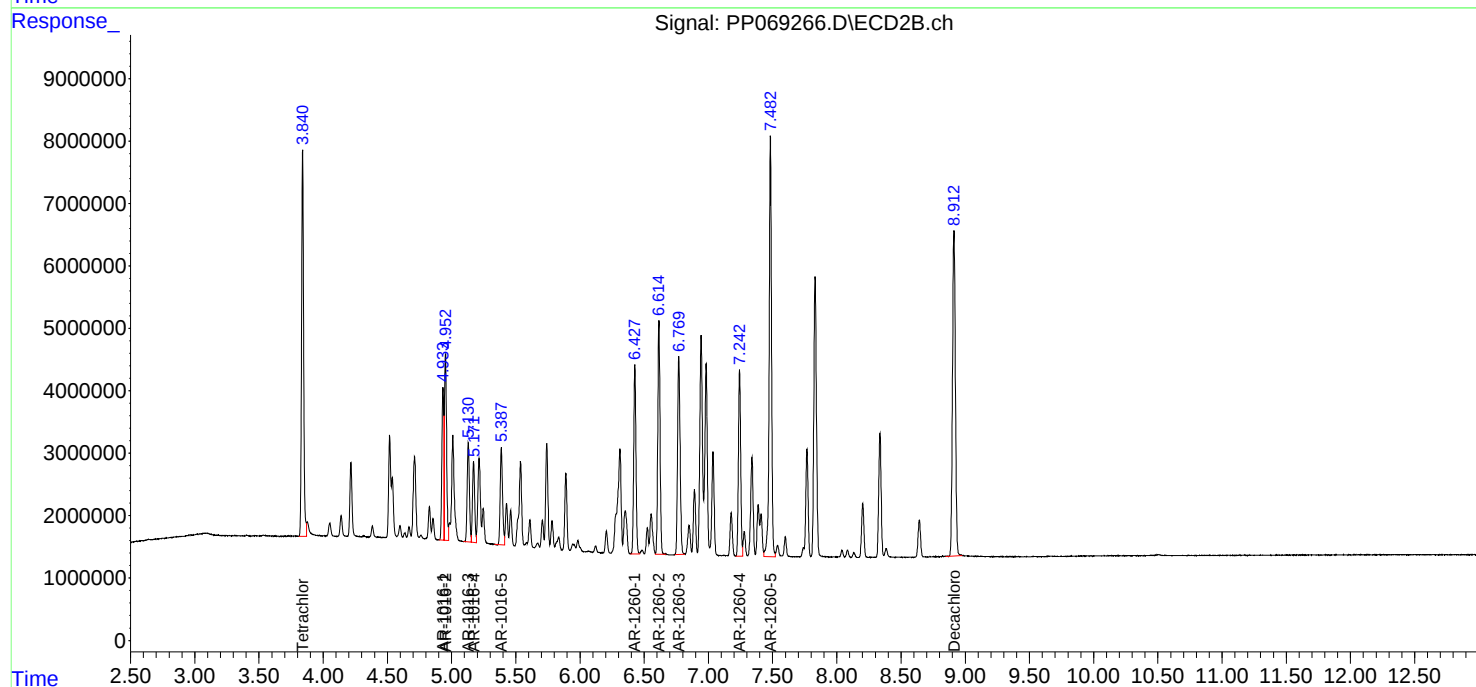
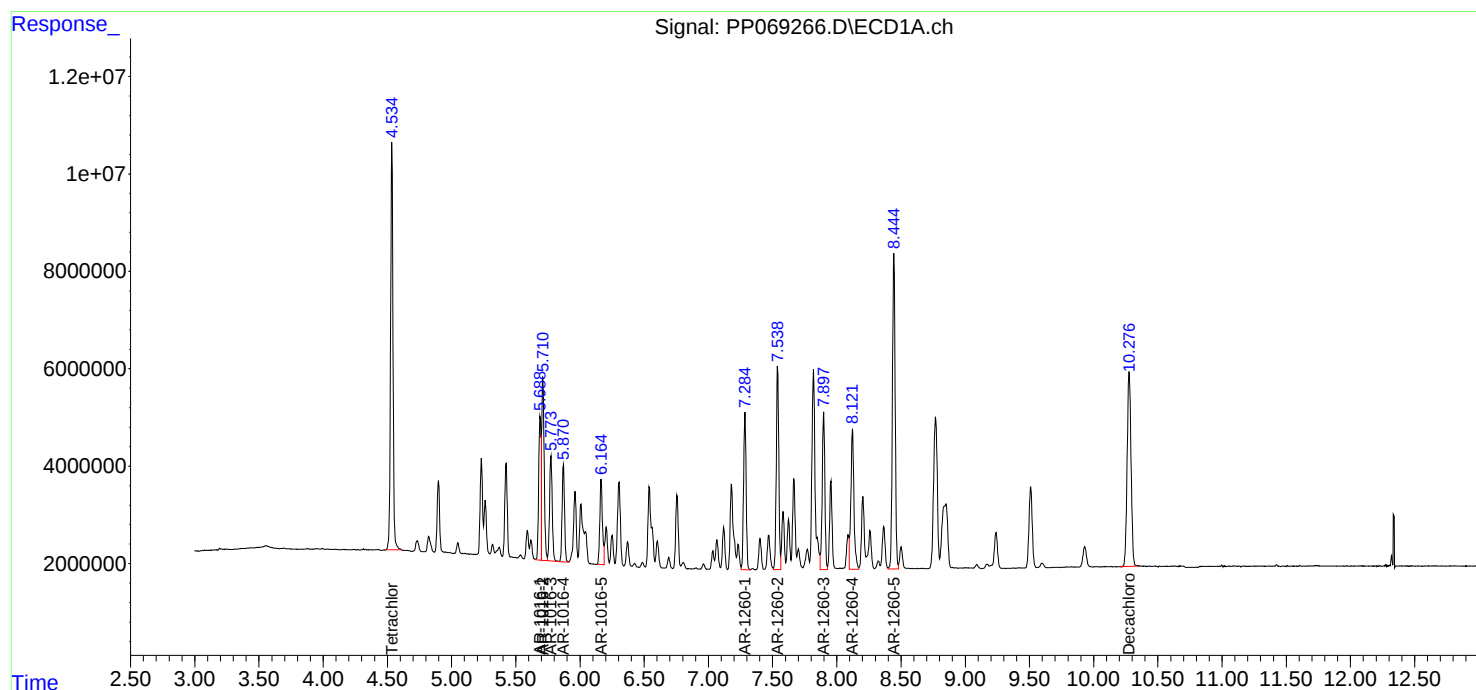
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069266.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 09:54  
Operator : YP\AJ  
Sample : AR1660ICC750  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1660ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 10:47:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 10:41:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069267.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 10:10  
 Operator : YP\AJ  
 Sample : AR1660ICC500  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 10:41:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 10:41:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.538  | 3.840 | 76123507 | 47329852 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.279 | 8.911 | 58476460 | 55212996 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.692  | 4.934 | 24597370 | 16740468 | 500.000 | 500.000 |
| 4) L1 AR-1016-2             | 5.714  | 4.953 | 35329099 | 23473253 | 500.000 | 500.000 |
| 5) L1 AR-1016-3             | 5.776  | 5.130 | 22206817 | 12794594 | 500.000 | 500.000 |
| 6) L1 AR-1016-4             | 5.874  | 5.172 | 18359887 | 10500306 | 500.000 | 500.000 |
| 7) L1 AR-1016-5             | 6.167  | 5.388 | 17535770 | 13556639 | 500.000 | 500.000 |
| 31) L7 AR-1260-1            | 7.287  | 6.426 | 30663621 | 24622834 | 500.000 | 500.000 |
| 32) L7 AR-1260-2            | 7.541  | 6.615 | 39374261 | 31244422 | 500.000 | 500.000 |
| 33) L7 AR-1260-3            | 7.900  | 6.770 | 32174651 | 28466392 | 500.000 | 500.000 |
| 34) L7 AR-1260-4            | 8.125  | 7.242 | 33771200 | 23803698 | 500.000 | 500.000 |
| 35) L7 AR-1260-5            | 8.447  | 7.484 | 67814967 | 56300228 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

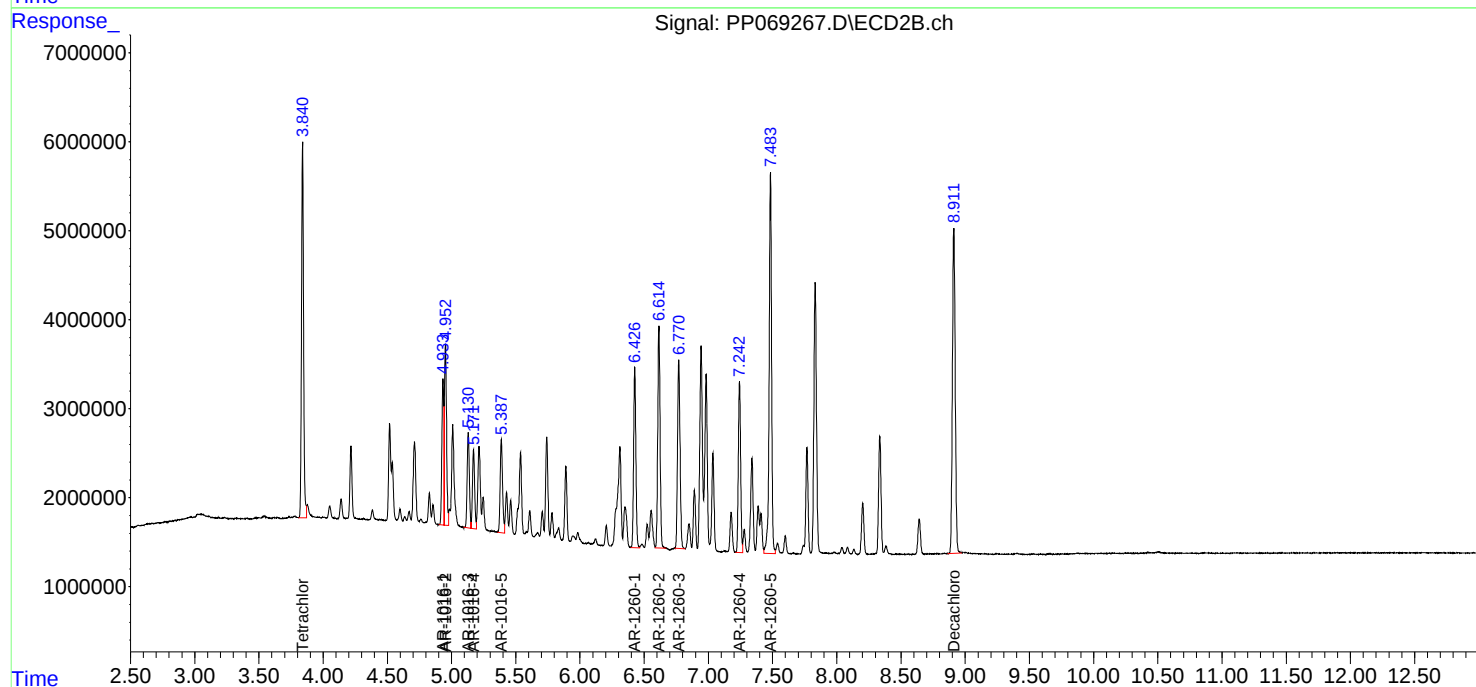
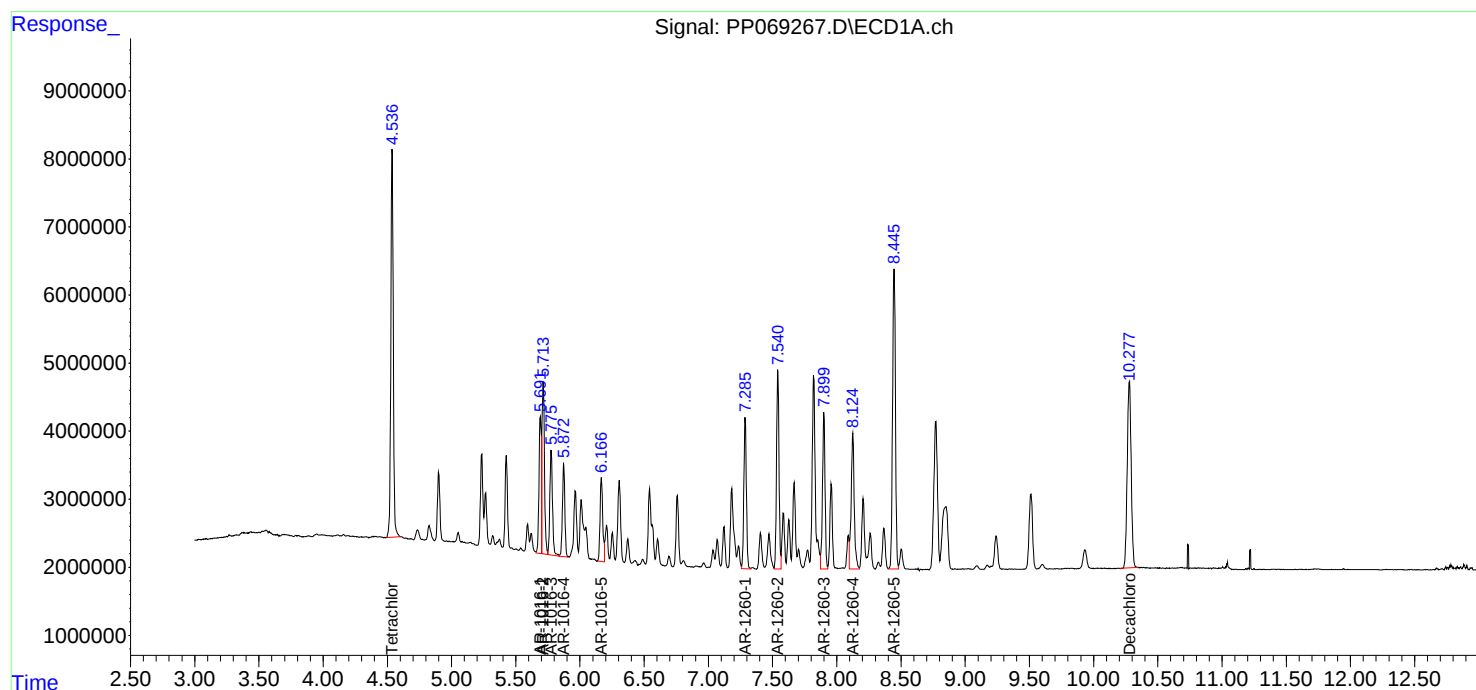
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069267.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 10:10  
Operator : YP\AJ  
Sample : AR1660ICC500  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1660ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 10:41:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 10:41:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069268.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 10:26  
 Operator : YP\AJ  
 Sample : AR1660ICC250  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 10:49:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 10:41:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.534  | 3.840 | 39276963 | 24793376 | 26.194  | 26.354  |
| 2) SA Decachlor...          | 10.275 | 8.911 | 31087394 | 33225807 | 27.041  | 28.951  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.688  | 4.933 | 12563303 | 9488743  | 264.330 | 277.802 |
| 4) L1 AR-1016-2             | 5.711  | 4.953 | 18984700 | 12921784 | 268.817 | 273.521 |
| 5) L1 AR-1016-3             | 5.773  | 5.130 | 12148331 | 7146935  | 278.728 | 274.217 |
| 6) L1 AR-1016-4             | 5.870  | 5.172 | 9492997  | 5871865  | 264.240 | 277.672 |
| 7) L1 AR-1016-5             | 6.164  | 5.388 | 9189623  | 7810918  | 266.859 | 283.693 |
| 31) L7 AR-1260-1            | 7.284  | 6.426 | 16281711 | 13934776 | 270.640 | 279.024 |
| 32) L7 AR-1260-2            | 7.538  | 6.615 | 21334462 | 17223796 | 274.253 | 277.488 |
| 33) L7 AR-1260-3            | 7.897  | 6.770 | 17319183 | 16433686 | 271.253 | 282.919 |
| 34) L7 AR-1260-4            | 8.121  | 7.242 | 18337608 | 13582568 | 274.347 | 277.980 |
| 35) L7 AR-1260-5            | 8.443  | 7.483 | 36124405 | 31649507 | 269.836 | 271.772 |
| -----                       |        |       |          |          |         |         |

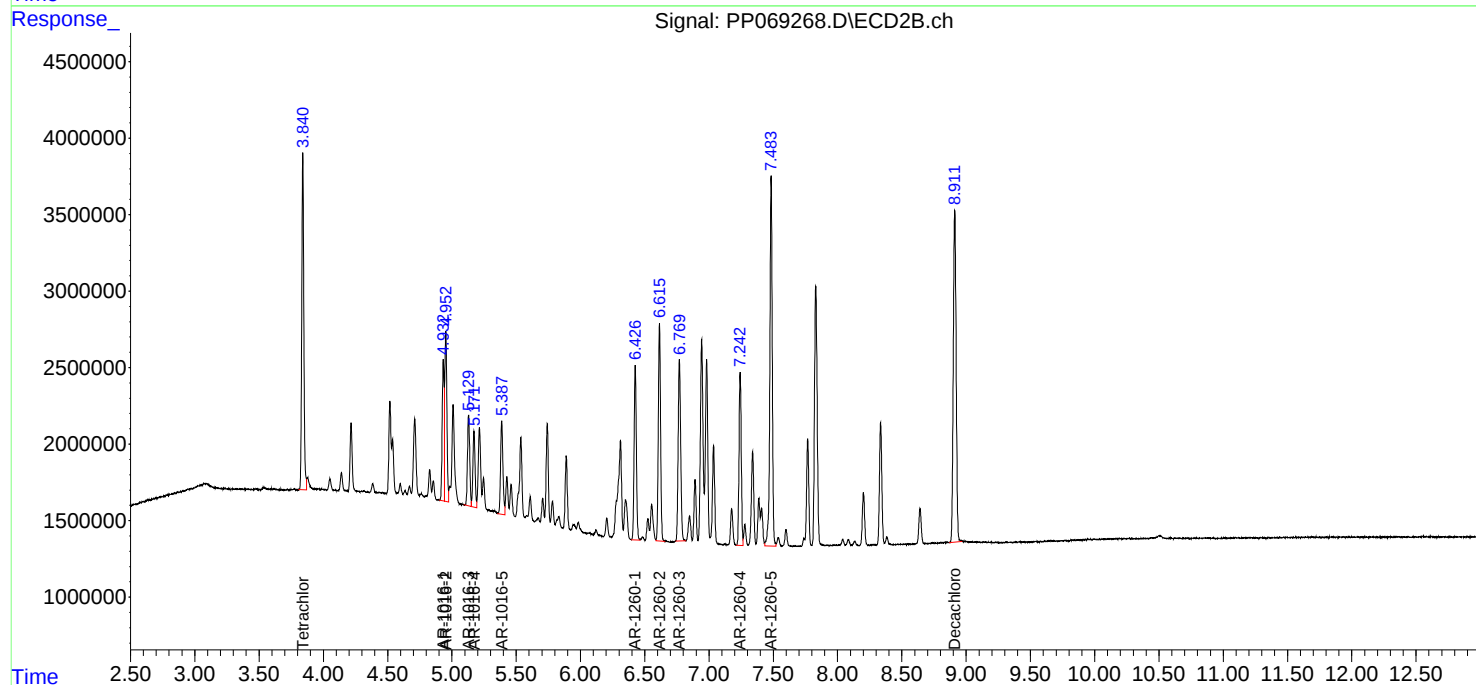
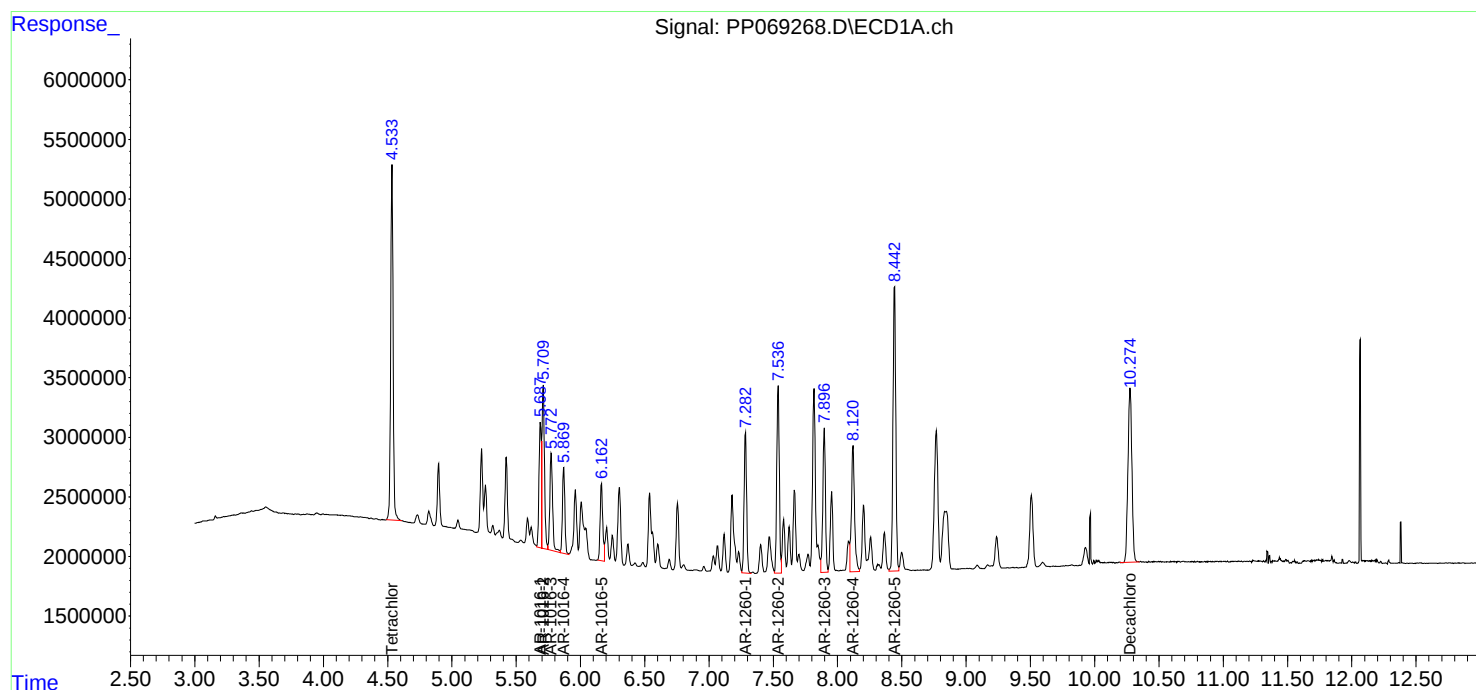
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069268.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 10:26  
Operator : YP\AJ  
Sample : AR1660ICC250  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1660ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 10:49:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 10:41:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069269.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 11:15  
 Operator : YP\AJ  
 Sample : AR1660ICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660ICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 11:26:18 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 11:25:56 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|---------|---------|--------|--------|
| -----                       |        |       |         |         |        |        |
| System Monitoring Compounds |        |       |         |         |        |        |
| 1) SA Tetrachlo...          | 4.537  | 3.840 | 5797759 | 3498051 | 4.050  | 3.919  |
| 2) SA Decachlor...          | 10.277 | 8.911 | 4329284 | 5008609 | 3.961  | 4.478  |
| Target Compounds            |        |       |         |         |        |        |
| 3) L1 AR-1016-1             | 5.689  | 4.933 | 2077472 | 1322446 | 44.838 | 40.547 |
| 4) L1 AR-1016-2             | 5.712  | 4.952 | 2844694 | 1791138 | 41.909 | 39.840 |
| 5) L1 AR-1016-3             | 5.775  | 5.131 | 1932164 | 1008385 | 45.360 | 40.523 |
| 6) L1 AR-1016-4             | 5.871  | 5.171 | 1564979 | 819718  | 44.713 | 40.588 |
| 7) L1 AR-1016-5             | 6.165  | 5.388 | 1377377 | 1199380 | 41.665 | 44.713 |
| 31) L7 AR-1260-1            | 7.286  | 6.427 | 2577078 | 2069154 | 44.101 | 42.902 |
| 32) L7 AR-1260-2            | 7.540  | 6.614 | 3894980 | 2911857 | 50.056 | 47.499 |
| 33) L7 AR-1260-3            | 7.899  | 6.770 | 2860067 | 3421860 | 45.747 | 56.883 |
| 34) L7 AR-1260-4            | 8.123  | 7.242 | 3126001 | 1844576 | 47.380 | 39.696 |
| 35) L7 AR-1260-5            | 8.445  | 7.483 | 5956423 | 4495023 | 45.495 | 40.443 |
| -----                       |        |       |         |         |        |        |

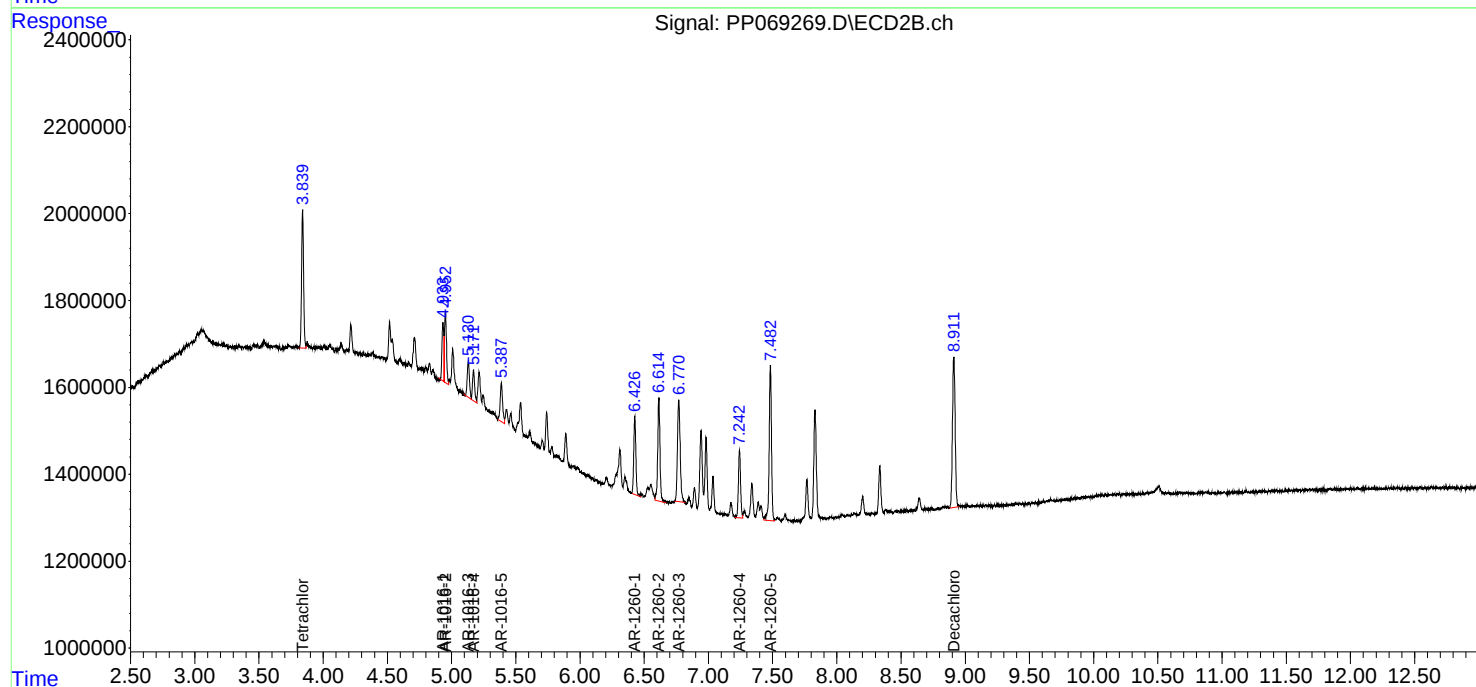
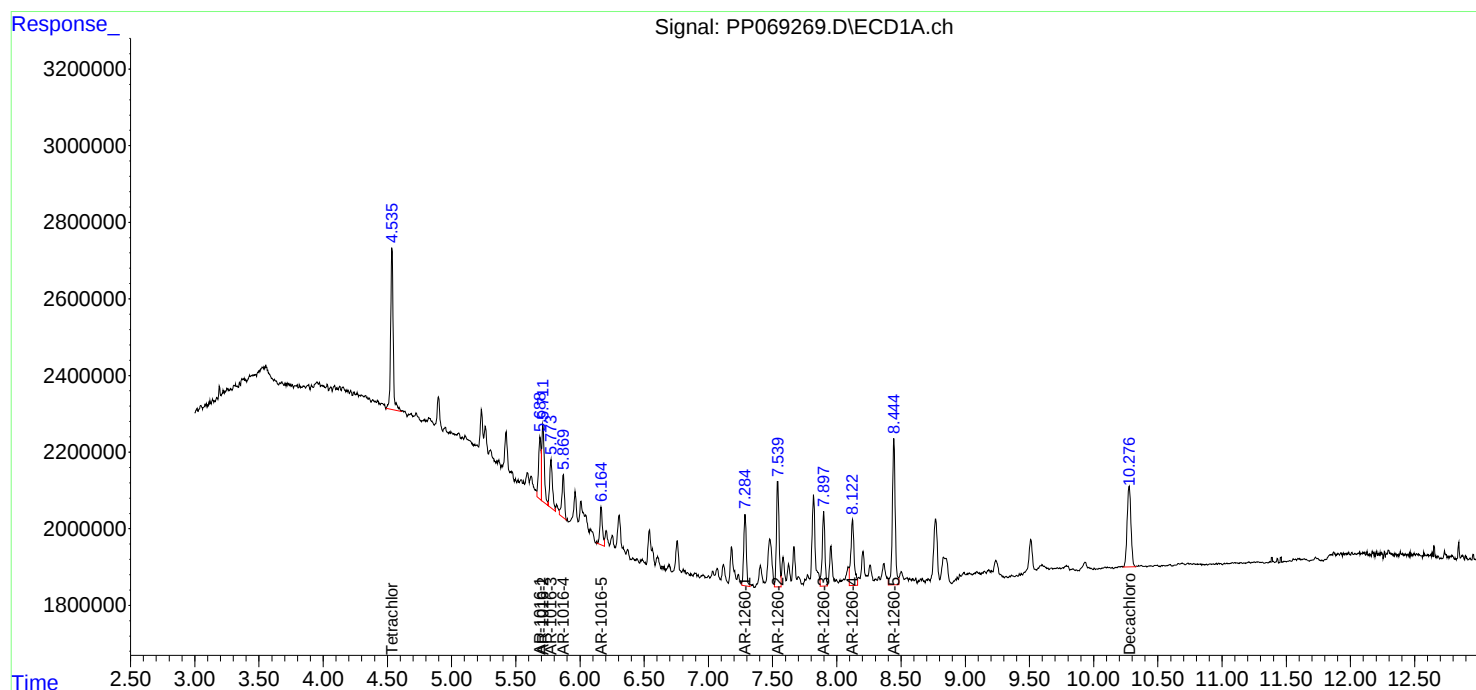
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069269.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 11:15  
Operator : YP\AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1660ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 11:26:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 11:25:56 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069270.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 11:32  
 Operator : YP\AJ  
 Sample : AR1221ICC500  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1221ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 12:19:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 12:18:31 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.841 | 77593750 | 47197929 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 57060610 | 57628532 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 8) L2 AR-1221-1             | 4.737  | 4.054 | 9509743  | 6159012  | 500.000 | 500.000 |
| 9) L2 AR-1221-2             | 4.823  | 4.140 | 6846250  | 4841688  | 500.000 | 500.000 |
| 10) L2 AR-1221-3            | 4.899  | 4.218 | 20971708 | 14587072 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

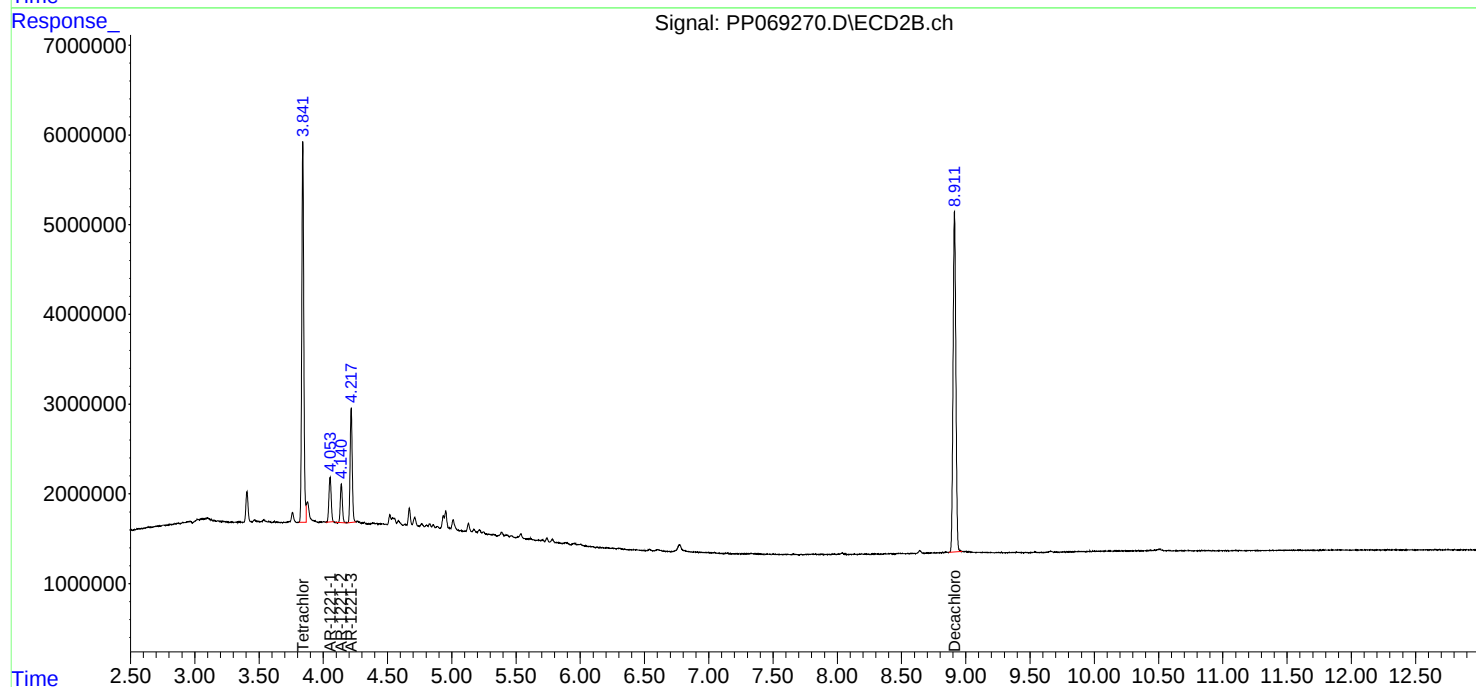
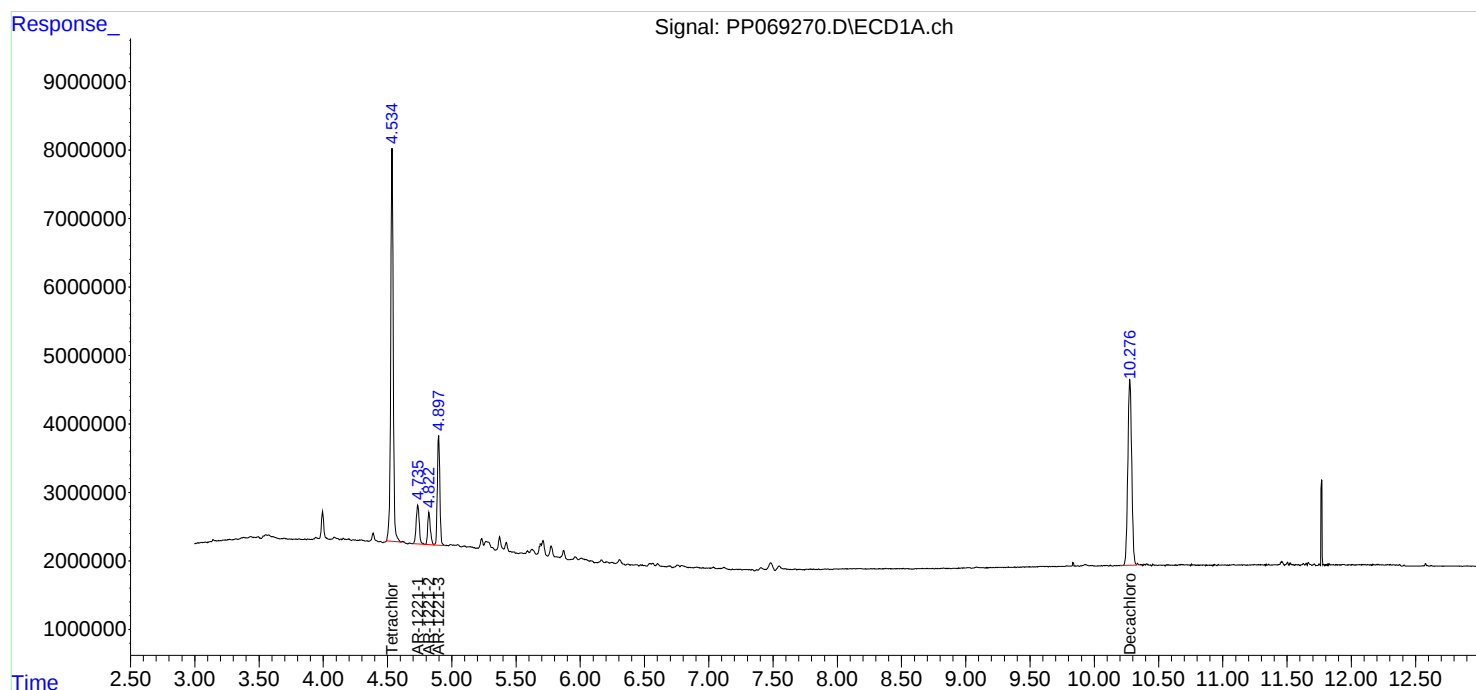
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069270.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 11:32  
Operator : YP\AJ  
Sample : AR1221ICC500  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1221ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 12:19:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 12:18:31 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069271.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 11:48  
 Operator : YP\AJ  
 Sample : AR1232ICC500  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1232ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 12:29:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 12:28:52 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.534  | 3.840 | 75836116 | 46716501 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.275 | 8.909 | 56382246 | 56029362 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 11) L3 AR-1232-1            | 4.897  | 4.215 | 16646809 | 11739749 | 500.000 | 500.000 |
| 12) L3 AR-1232-2            | 5.424  | 4.952 | 8171005  | 11785884 | 500.000 | 500.000 |
| 13) L3 AR-1232-3            | 5.710  | 5.129 | 17179485 | 6473622  | 500.000 | 500.000 |
| 14) L3 AR-1232-4            | 5.870  | 5.214 | 8908099  | 5543155  | 500.000 | 500.000 |
| 15) L3 AR-1232-5            | 5.960  | 5.387 | 5731209  | 6105160  | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

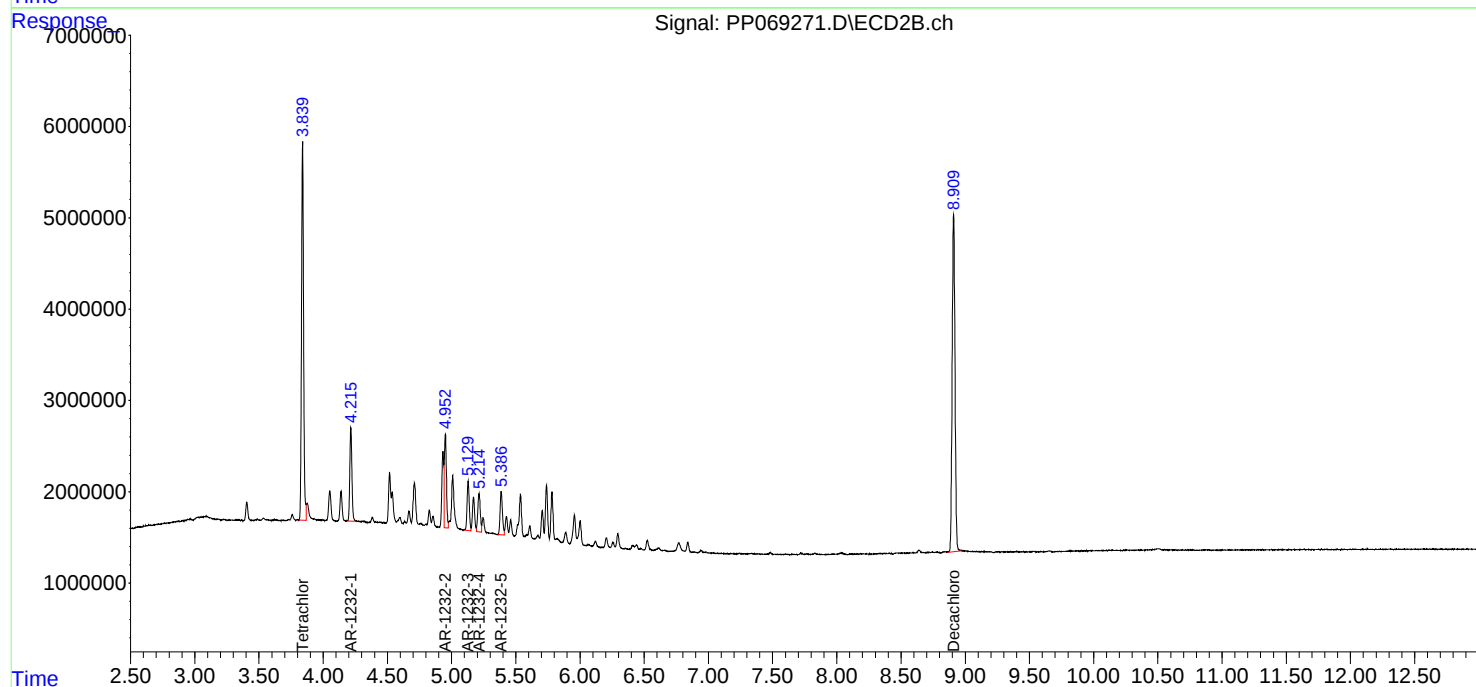
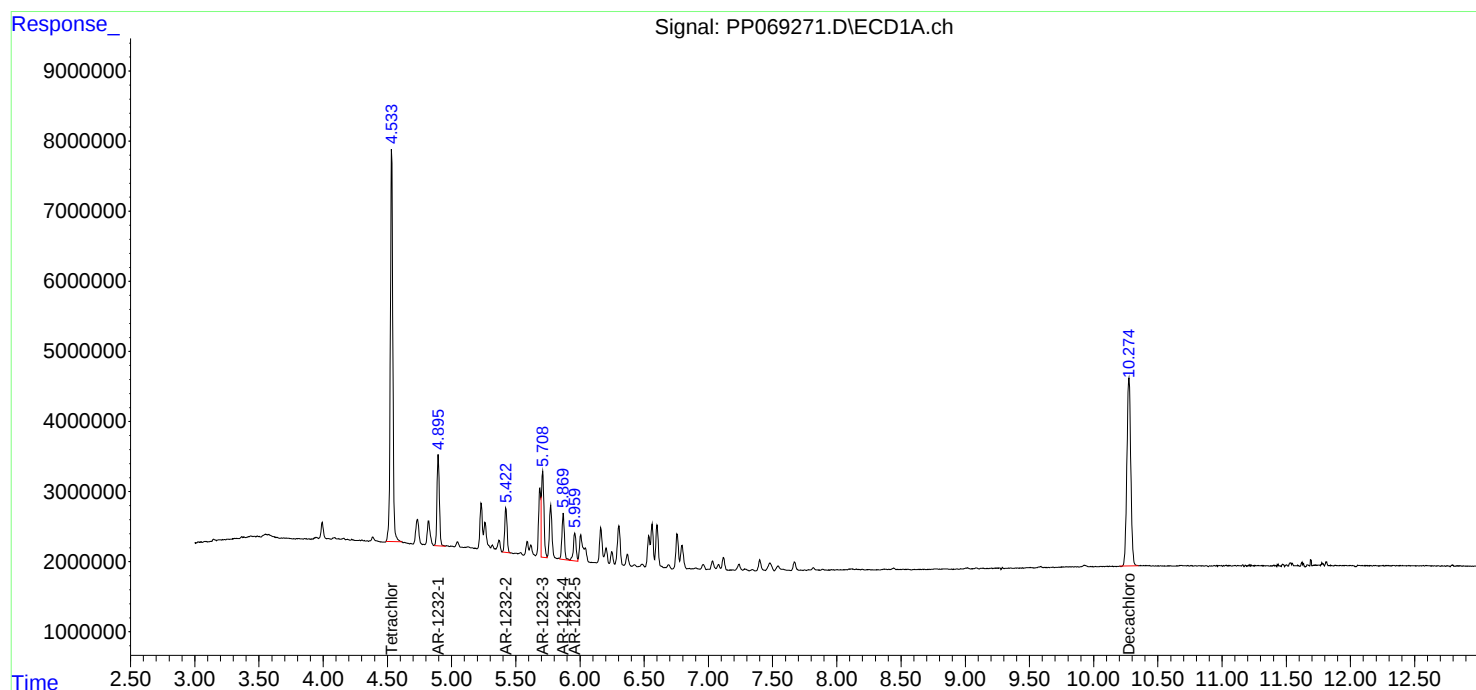
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069271.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 11:48  
Operator : YP\AJ  
Sample : AR1232ICC500  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1232ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 12:29:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 12:28:52 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069272.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 12:04  
 Operator : YP\AJ  
 Sample : AR1242ICC1000  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1242ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 13:22:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 13:16:55 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

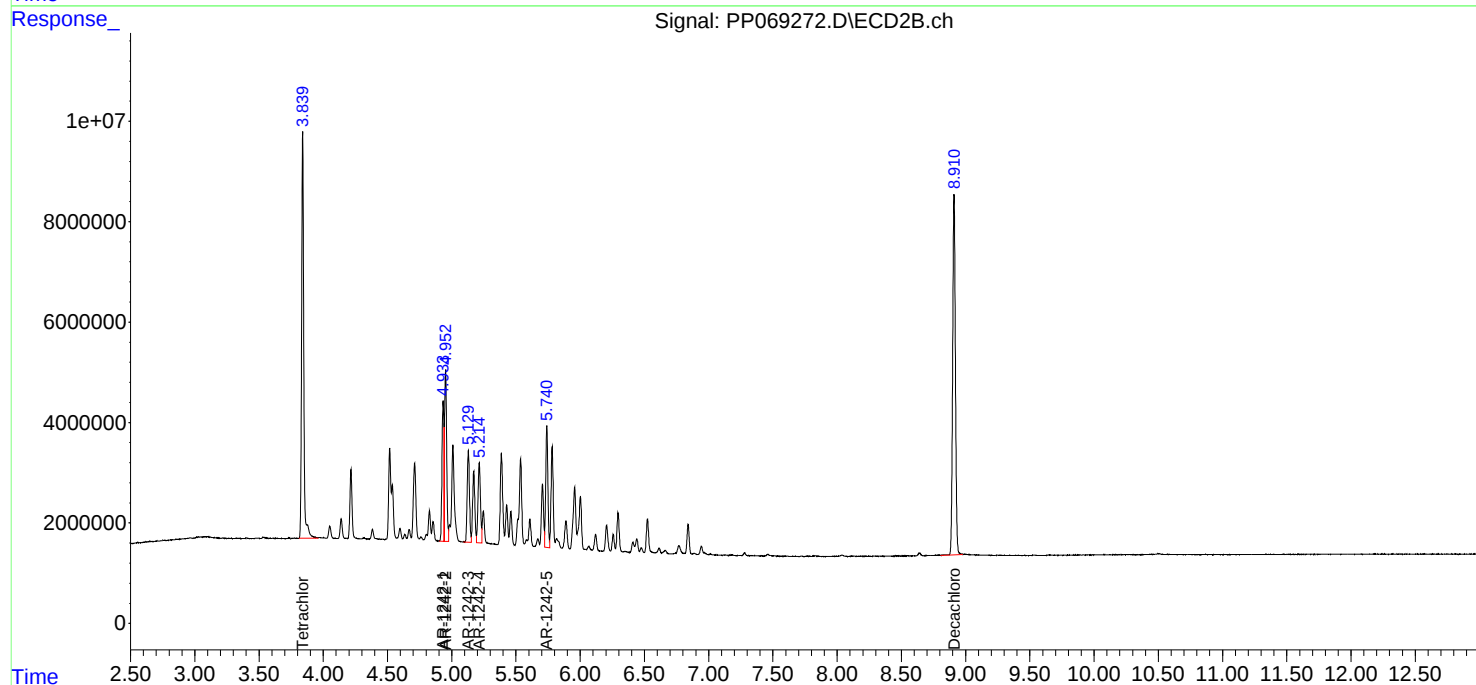
Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.538  | 3.840 | 143.5E6  | 94800860 | 96.567  | 97.029  |
| 2) SA Decachlor...          | 10.279 | 8.910 | 104.6E6  | 107.1E6  | 95.779  | 93.248  |
| Target Compounds            |        |       |          |          |         |         |
| 16) L4 AR-1242-1            | 5.692  | 4.933 | 38881934 | 28457446 | 945.469 | 971.653 |
| 17) L4 AR-1242-2            | 5.714  | 4.952 | 57026747 | 39820013 | 957.279 | 976.164 |
| 18) L4 AR-1242-3            | 5.776  | 5.130 | 35212135 | 22243475 | 948.765 | 965.856 |
| 19) L4 AR-1242-4            | 5.874  | 5.214 | 29733477 | 21211563 | 952.104 | 956.949 |
| 20) L4 AR-1242-5            | 6.605  | 5.741 | 31146343 | 28383043 | 949.086 | 965.642 |
| -----                       |        |       |          |          |         |         |

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

**Instrument :**  
ECD\_P  
**ClientSampleId :**  
AR1242|CC1000

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069273.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 12:21  
 Operator : YP\AJ  
 Sample : AR1242ICC750  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1242ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 13:25:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 13:16:55 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.841 | 109.4E6  | 69163237 | 74.055  | 71.331  |
| 2) SA Decachlor...          | 10.278 | 8.912 | 81129584 | 78177684 | 74.514  | 70.250  |
| Target Compounds            |        |       |          |          |         |         |
| 16) L4 AR-1242-1            | 5.691  | 4.934 | 30137750 | 21839944 | 738.473 | 747.131 |
| 17) L4 AR-1242-2            | 5.713  | 4.953 | 43422173 | 29956153 | 735.804 | 739.499 |
| 18) L4 AR-1242-3            | 5.776  | 5.131 | 26901679 | 16691146 | 733.041 | 732.984 |
| 19) L4 AR-1242-4            | 5.873  | 5.215 | 22891135 | 16031239 | 738.583 | 731.946 |
| 20) L4 AR-1242-5            | 6.604  | 5.741 | 24145693 | 21175650 | 740.449 | 730.027 |
| -----                       |        |       |          |          |         |         |

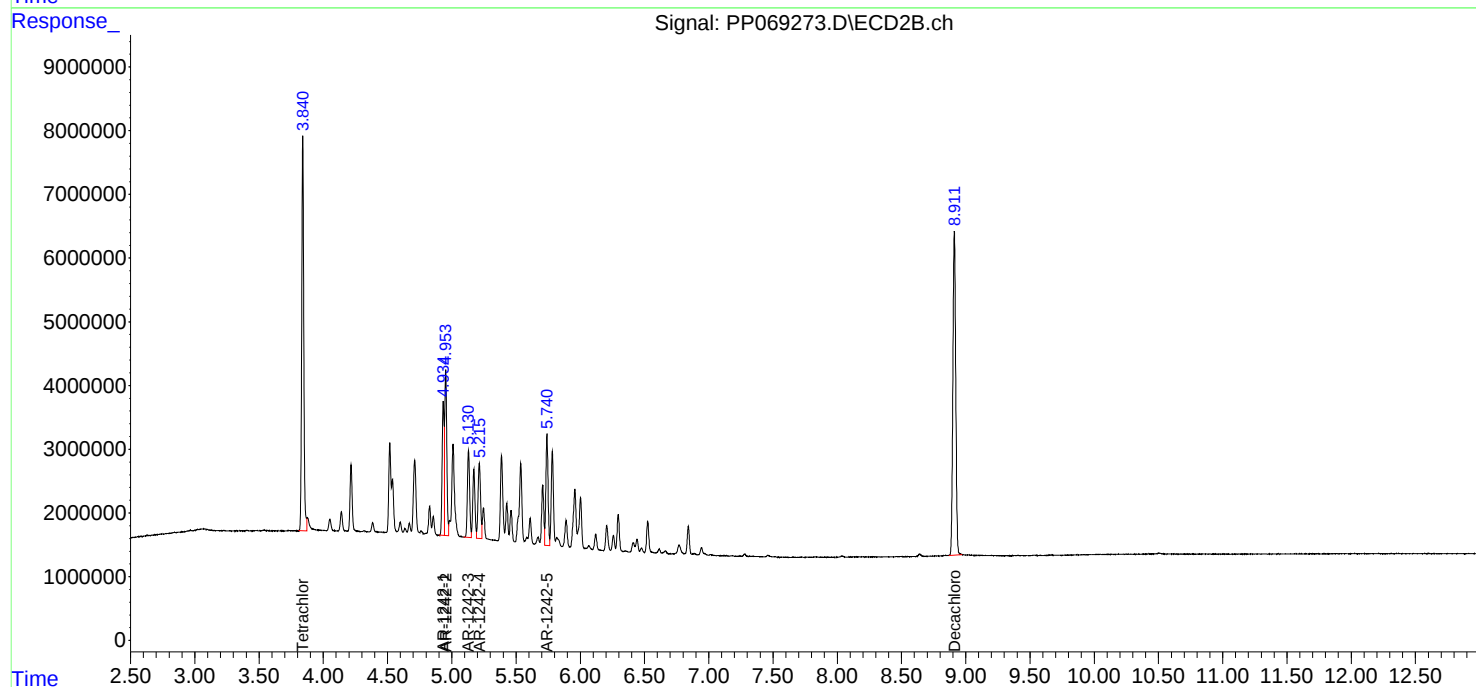
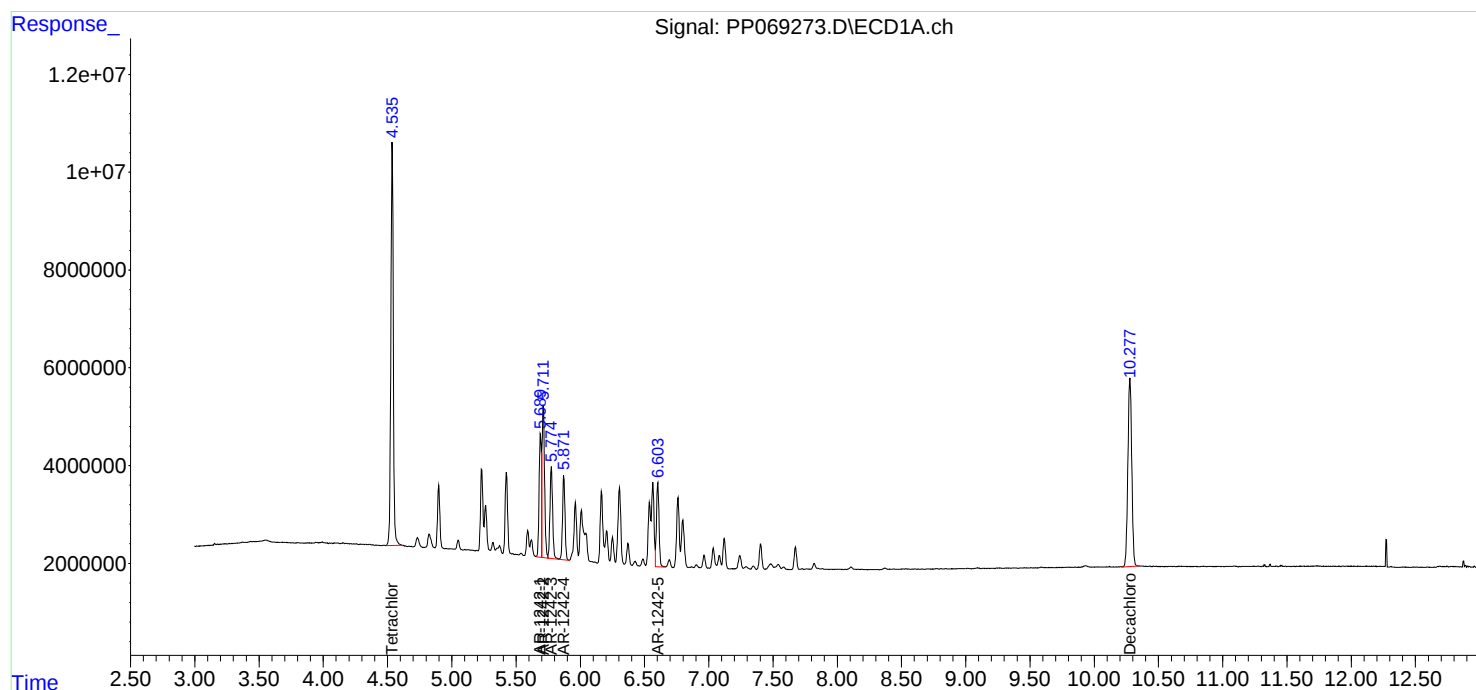
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069273.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 12:21  
Operator : YP\AJ  
Sample : AR1242ICC750  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1242ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 13:25:42 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 13:16:55 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069274.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 12:37  
 Operator : YP\AJ  
 Sample : AR1242ICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1242ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 13:19:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 13:16:55 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.535  | 3.841 | 76865093 | 50303166 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 56920064 | 61281046 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 16) L4 AR-1242-1            | 5.690  | 4.935 | 21683528 | 15058932 | 500.000 | 500.000 |
| 17) L4 AR-1242-2            | 5.711  | 4.953 | 31058355 | 20882332 | 500.000 | 500.000 |
| 18) L4 AR-1242-3            | 5.774  | 5.131 | 19507569 | 11908079 | 500.000 | 500.000 |
| 19) L4 AR-1242-4            | 5.871  | 5.215 | 16362506 | 11560042 | 500.000 | 500.000 |
| 20) L4 AR-1242-5            | 6.603  | 5.742 | 17244012 | 15201389 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

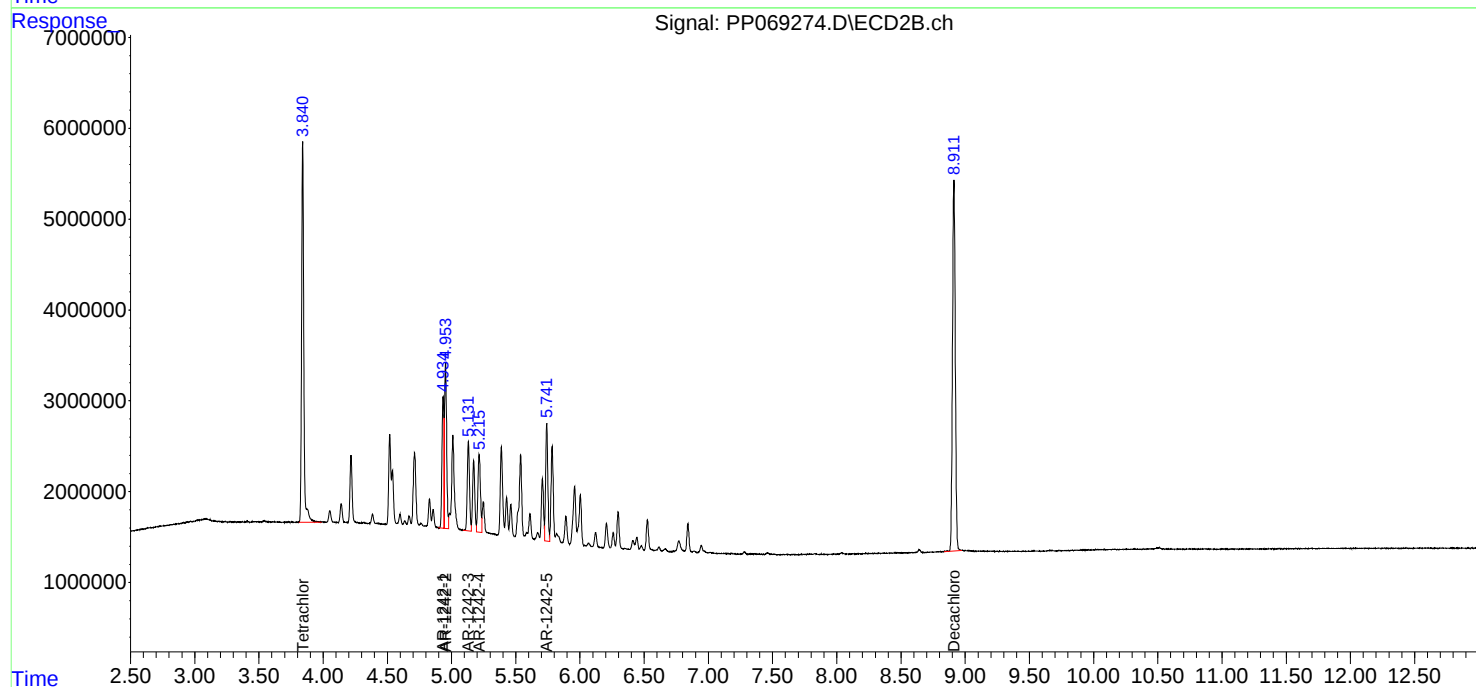
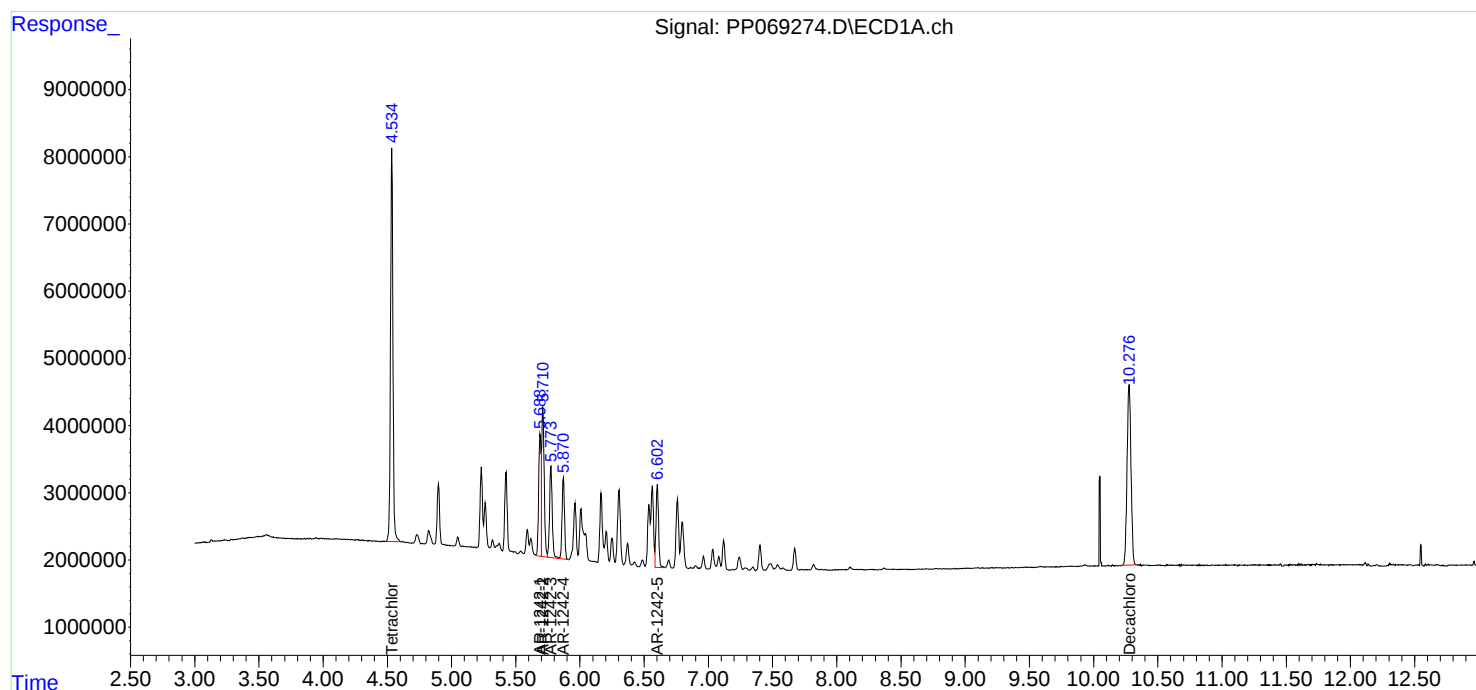
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069274.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 12:37  
Operator : YP\AJ  
Sample : AR1242ICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1242ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 13:19:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 13:16:55 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069275.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 12:53  
 Operator : YP\AJ  
 Sample : AR1242ICC250  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1242ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 13:29:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 13:29:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.538  | 3.839 | 38792932 | 24572047 | 25.937  | 25.469  |
| 2) SA Decachlor...          | 10.279 | 8.911 | 29384811 | 29323543 | 26.463  | 25.999  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 16) L4 AR-1242-1            | 5.693  | 4.933 | 11282393 | 7765411  | 269.330 | 261.557 |
| 17) L4 AR-1242-2            | 5.714  | 4.952 | 15949615 | 10596312 | 264.902 | 258.586 |
| 18) L4 AR-1242-3            | 5.777  | 5.130 | 10146658 | 5872286  | 269.351 | 255.863 |
| 19) L4 AR-1242-4            | 5.874  | 5.214 | 8706808  | 5585119  | 272.498 | 253.733 |
| 20) L4 AR-1242-5            | 6.606  | 5.740 | 9072432  | 7515106  | 270.580 | 256.750 |
| -----                       |        |       |          |          |         |         |

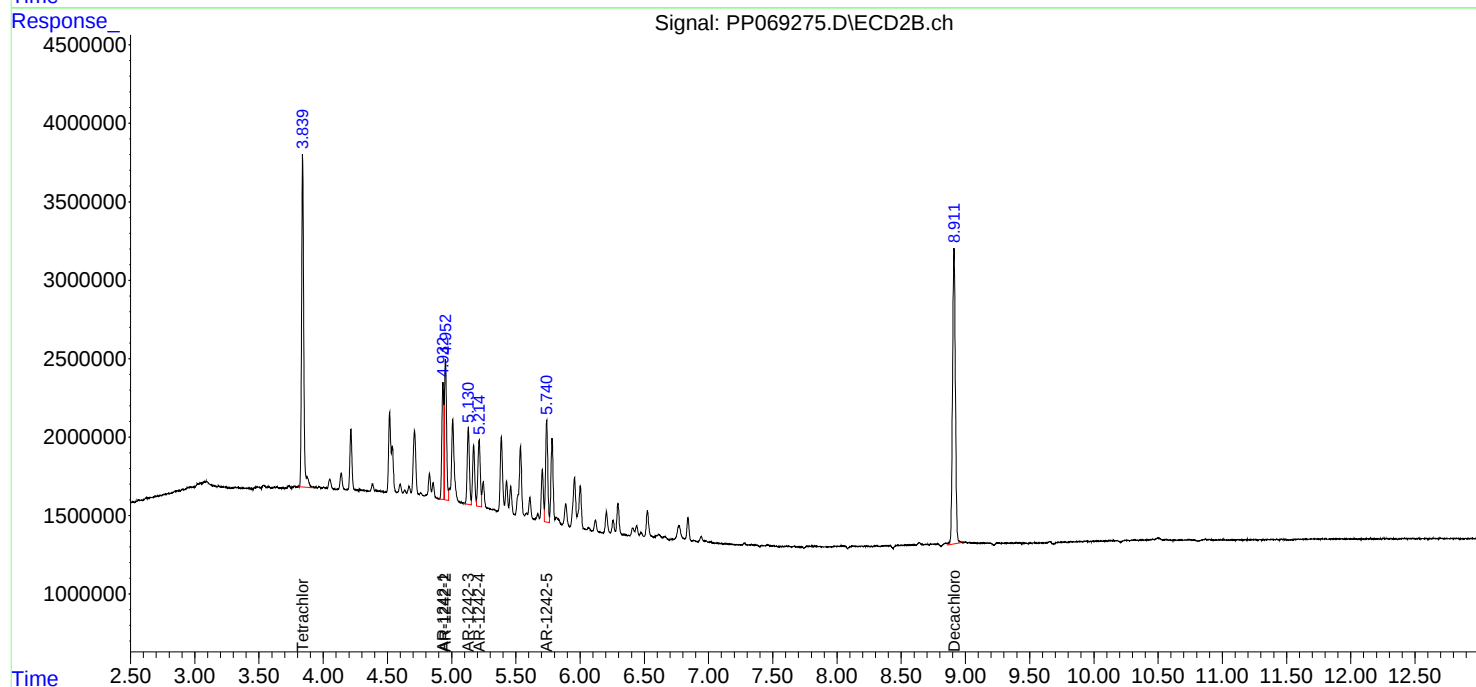
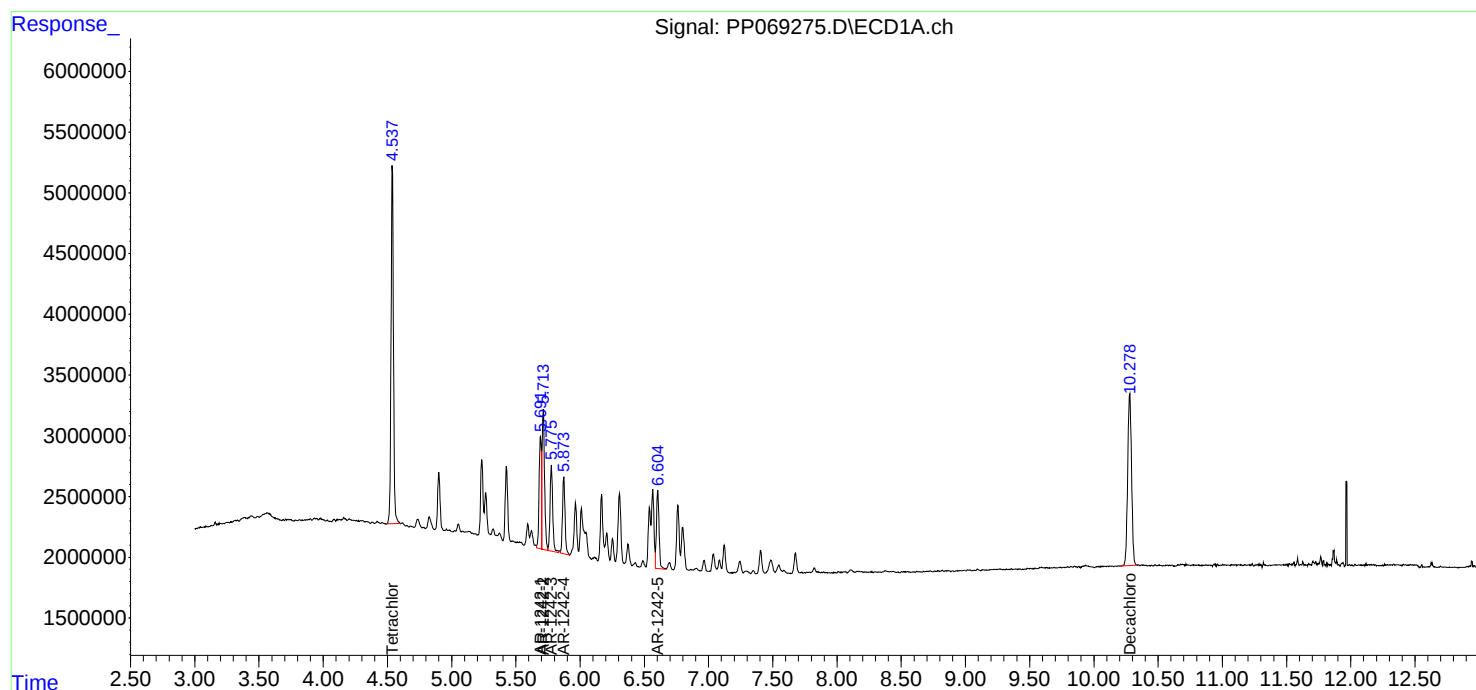
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069275.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 12:53  
Operator : YP\AJ  
Sample : AR1242ICC250  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1242ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 13:29:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 13:29:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069276.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 13:09  
 Operator : YP\AJ  
 Sample : AR1242ICC050  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1242ICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 13:32:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 13:32:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|---------|---------|--------|--------|
| -----                       |        |       |         |         |        |        |
| System Monitoring Compounds |        |       |         |         |        |        |
| 1) SA Tetrachlo...          | 4.535  | 3.840 | 5712040 | 3880861 | 4.008  | 4.186  |
| 2) SA Decachlor...          | 10.276 | 8.912 | 4701402 | 5291649 | 4.368  | 4.750  |
|                             |        |       |         |         |        |        |
| Target Compounds            |        |       |         |         |        |        |
| 16) L4 AR-1242-1            | 5.689  | 4.934 | 2048207 | 1270163 | 49.111 | 44.054 |
| 17) L4 AR-1242-2            | 5.711  | 4.953 | 2705826 | 1653863 | 45.869 | 41.979 |
| 18) L4 AR-1242-3            | 5.774  | 5.131 | 1740514 | 1035839 | 46.916 | 46.029 |
| 19) L4 AR-1242-4            | 5.870  | 5.215 | 1808303 | 993205  | 55.140 | 46.020 |
| 20) L4 AR-1242-5            | 6.603  | 5.741 | 1440165 | 1338070 | 44.198 | 46.512 |
| -----                       |        |       |         |         |        |        |

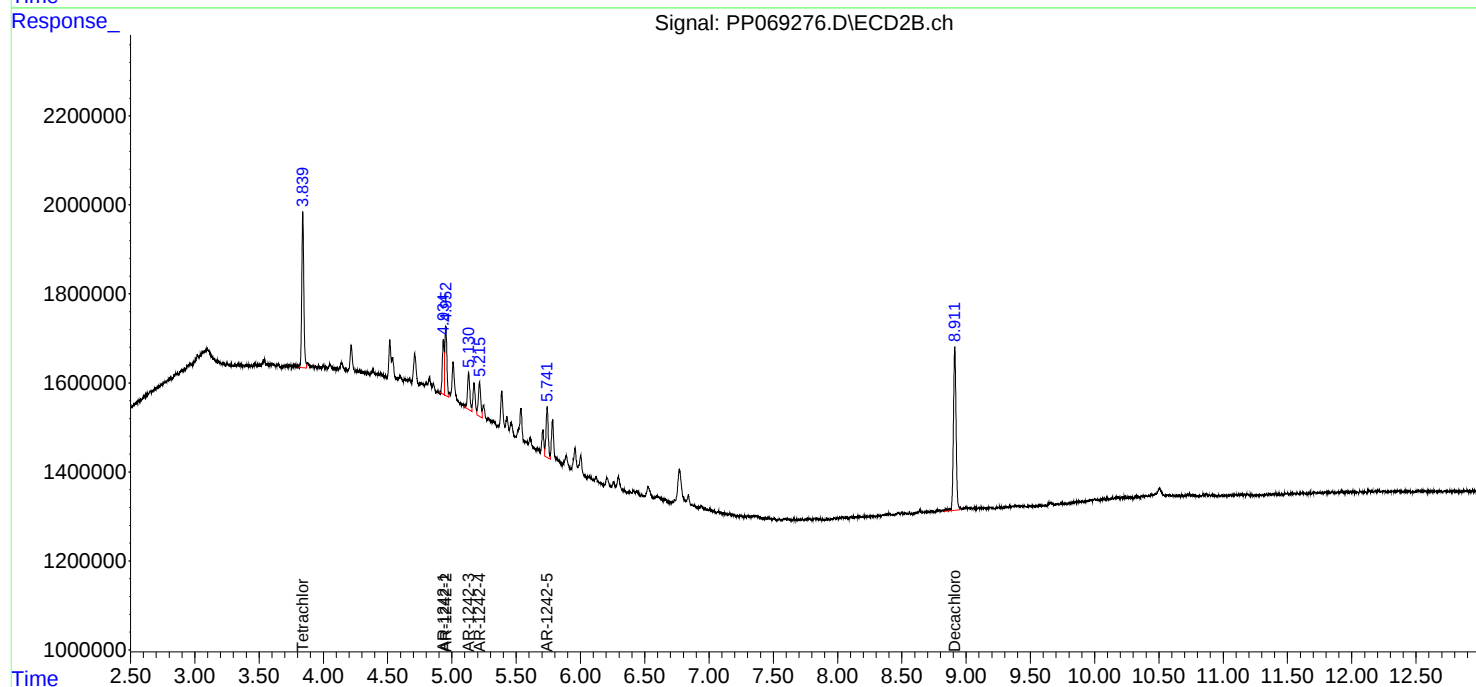
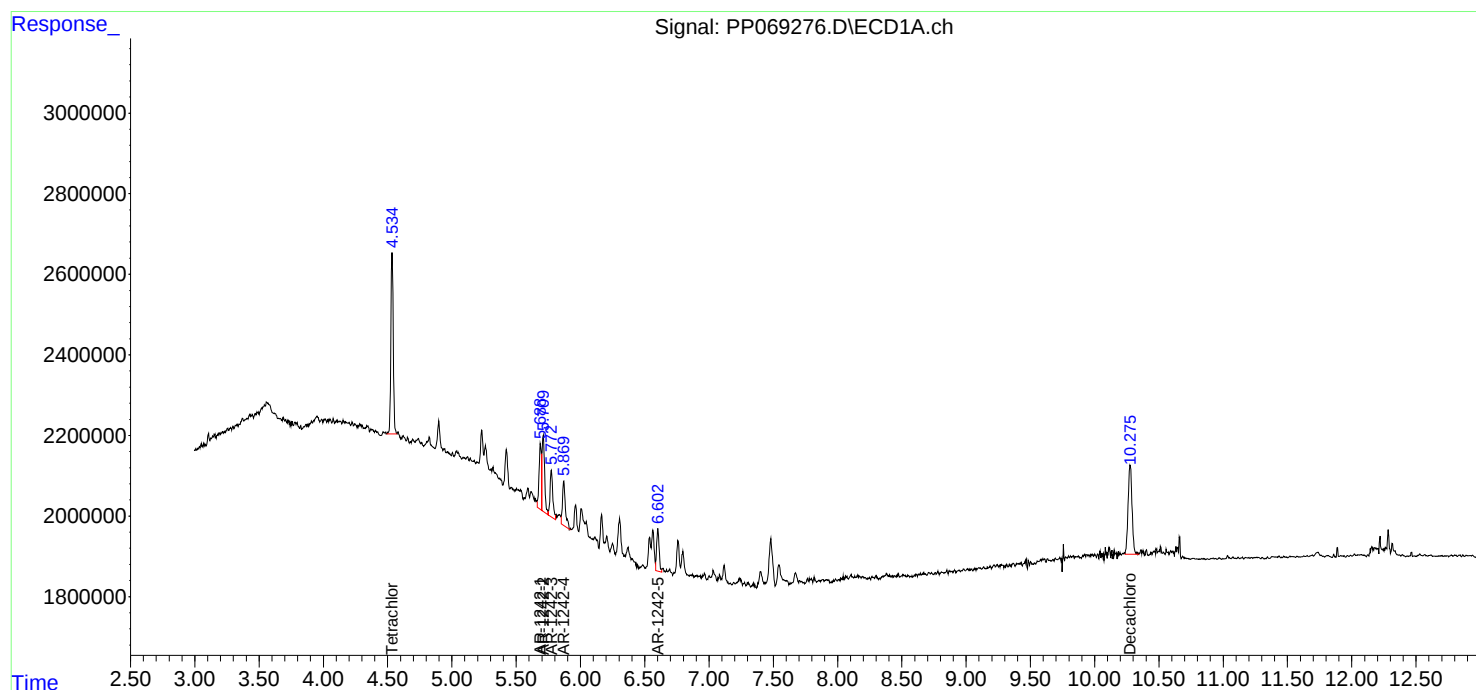
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069276.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 13:09  
Operator : YP\AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1242ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 13:32:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 13:32:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069277.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 13:26  
 Operator : YP\AJ  
 Sample : AR1248ICC1000  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1248ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 14:15:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 14:11:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.841 | 139.8E6  | 93340429 | 96.035  | 98.382  |
| 2) SA Decachlor...          | 10.278 | 8.912 | 103.8E6  | 98040406 | 95.812  | 93.069  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 21) L5 AR-1248-1            | 5.690  | 4.934 | 29720774 | 21330255 | 955.393 | 958.327 |
| 22) L5 AR-1248-2            | 5.963  | 5.172 | 40031392 | 28324001 | 958.740 | 965.847 |
| 23) L5 AR-1248-3            | 6.166  | 5.215 | 44249426 | 29601440 | 956.494 | 967.648 |
| 24) L5 AR-1248-4            | 6.565  | 5.388 | 52361428 | 35306028 | 948.489 | 964.835 |
| 25) L5 AR-1248-5            | 6.604  | 5.784 | 50435355 | 36064443 | 950.417 | 976.042 |
| -----                       |        |       |          |          |         |         |

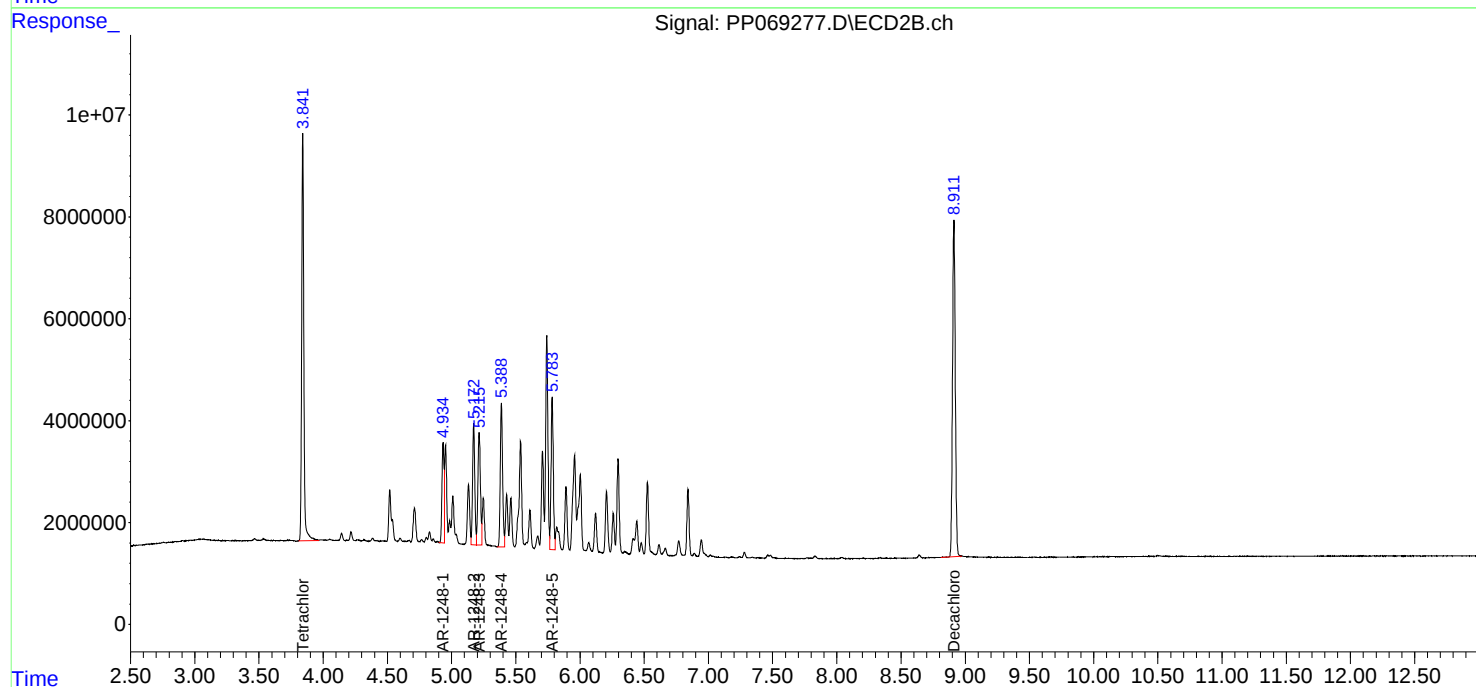
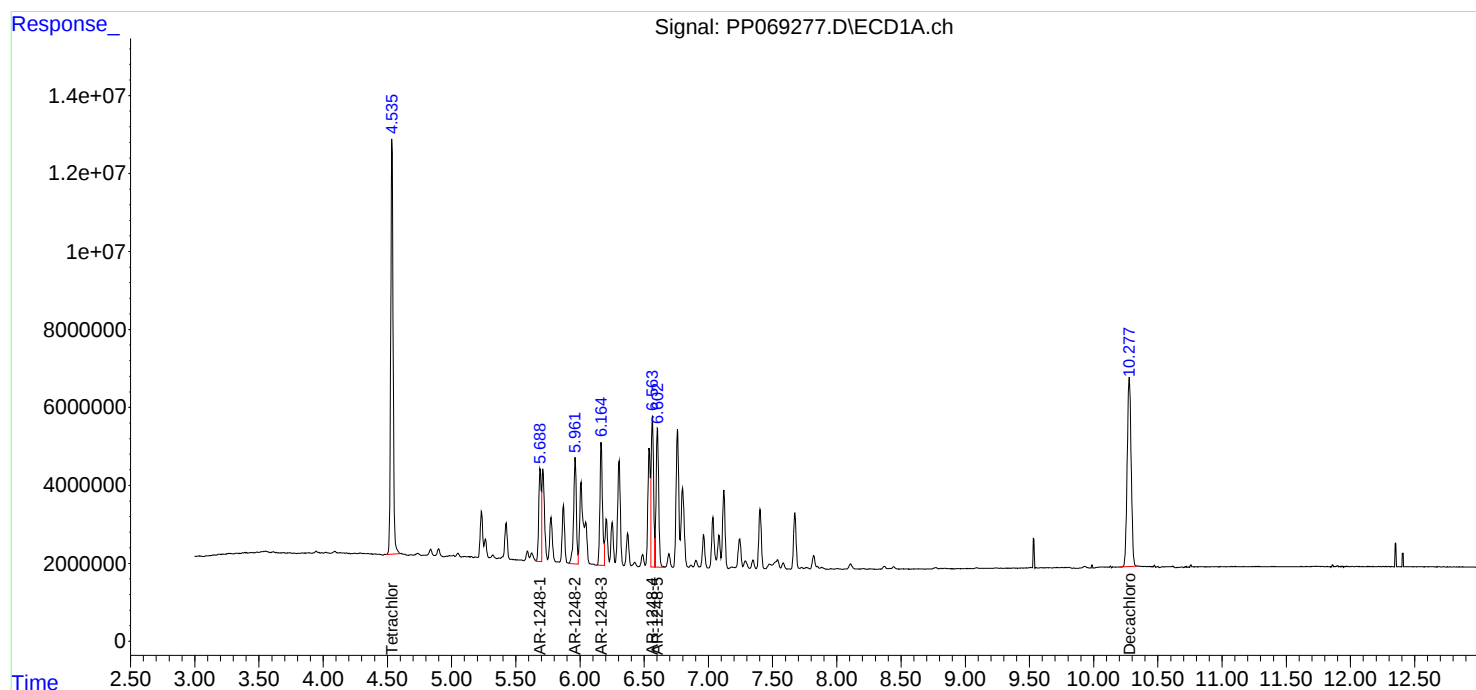
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069277.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 13:26  
Operator : YP\AJ  
Sample : AR1248ICC1000  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1248ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 14:15:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 14:11:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069278.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 13:42  
 Operator : YP\AJ  
 Sample : AR1248ICC750  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1248ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 14:17:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 14:11:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.841 | 108.1E6  | 69616300 | 74.502  | 73.910  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 80239411 | 71992164 | 74.391  | 70.426  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 21) L5 AR-1248-1            | 5.690  | 4.934 | 23301477 | 15640407 | 749.360 | 717.785 |
| 22) L5 AR-1248-2            | 5.962  | 5.173 | 30590155 | 20848478 | 738.326 | 723.494 |
| 23) L5 AR-1248-3            | 6.165  | 5.215 | 33991113 | 21573142 | 739.764 | 719.533 |
| 24) L5 AR-1248-4            | 6.564  | 5.388 | 40921037 | 25659920 | 744.147 | 716.765 |
| 25) L5 AR-1248-5            | 6.603  | 5.783 | 39260909 | 26856514 | 743.198 | 734.399 |
| -----                       |        |       |          |          |         |         |

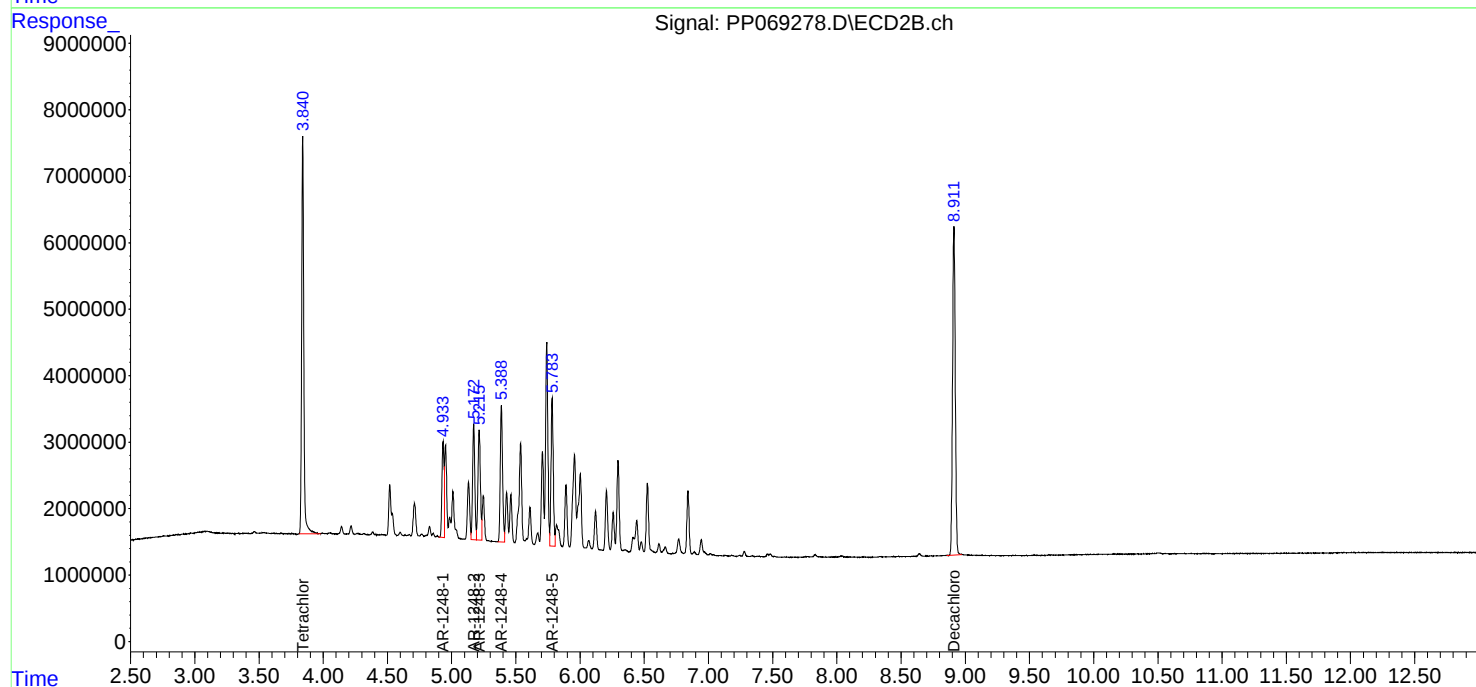
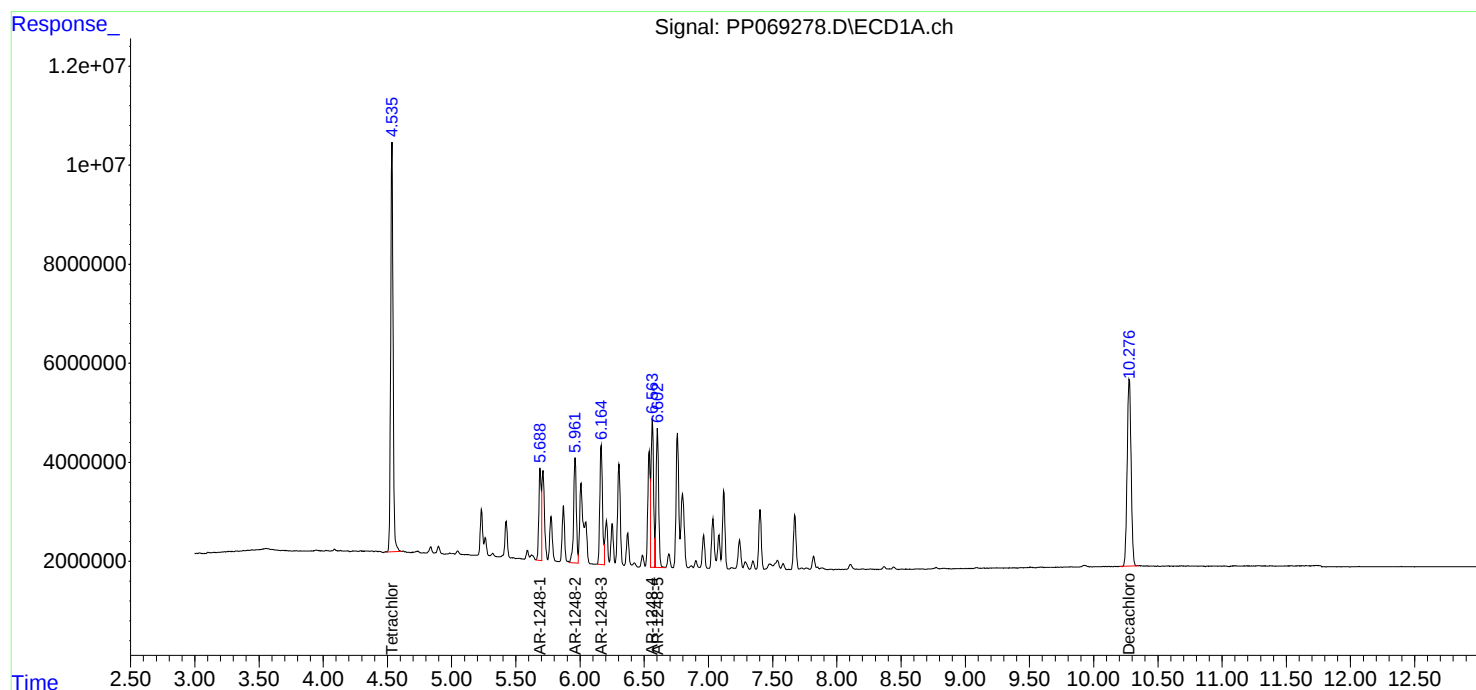
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069278.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 13:42  
Operator : YP\AJ  
Sample : AR1248ICC750  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1248ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 14:17:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 14:11:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069279.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 13:58  
 Operator : YP\AJ  
 Sample : AR1248ICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1248ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 14:12:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 14:11:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.539  | 3.841 | 75663746 | 48204955 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.280 | 8.912 | 56417147 | 56321067 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 21) L5 AR-1248-1            | 5.692  | 4.934 | 16248025 | 11592688 | 500.000 | 500.000 |
| 22) L5 AR-1248-2            | 5.966  | 5.173 | 21738491 | 15163563 | 500.000 | 500.000 |
| 23) L5 AR-1248-3            | 6.168  | 5.216 | 24137406 | 15790400 | 500.000 | 500.000 |
| 24) L5 AR-1248-4            | 6.567  | 5.388 | 29024379 | 18939791 | 500.000 | 500.000 |
| 25) L5 AR-1248-5            | 6.606  | 5.784 | 27848887 | 18917464 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

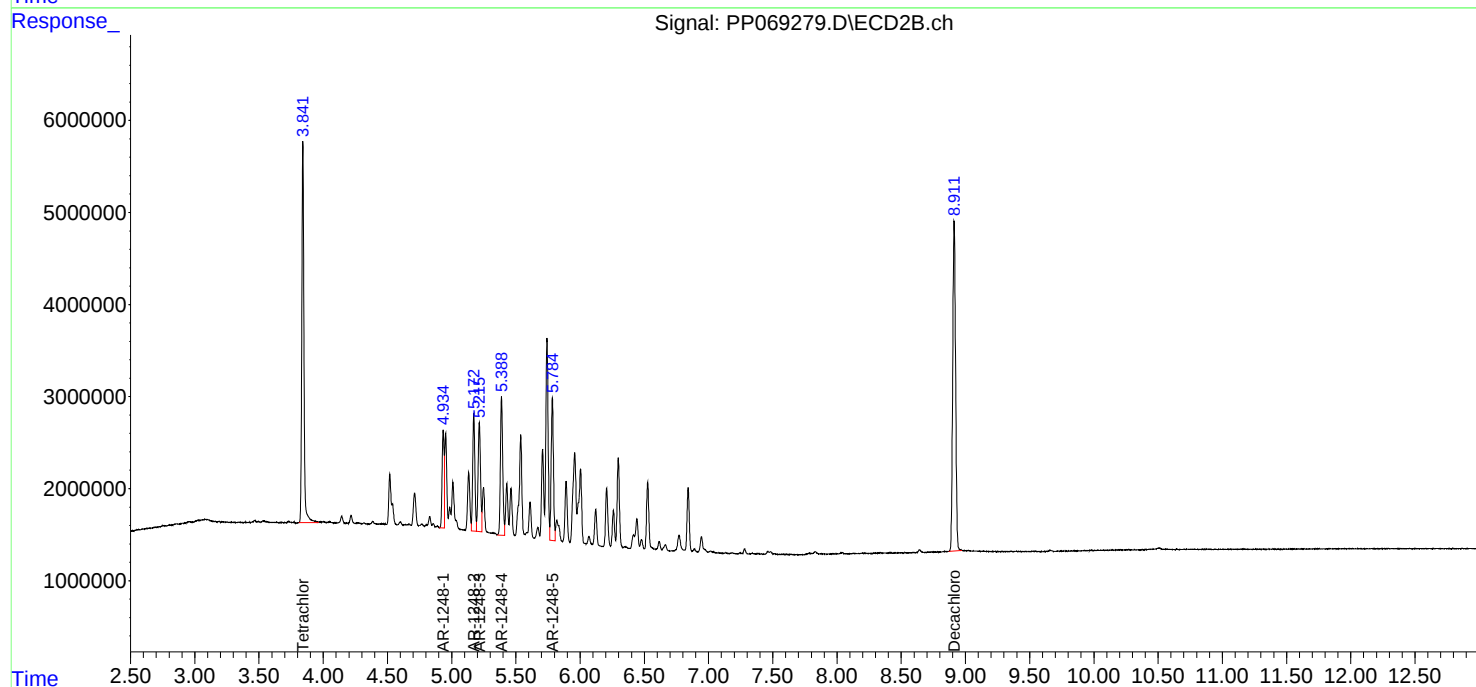
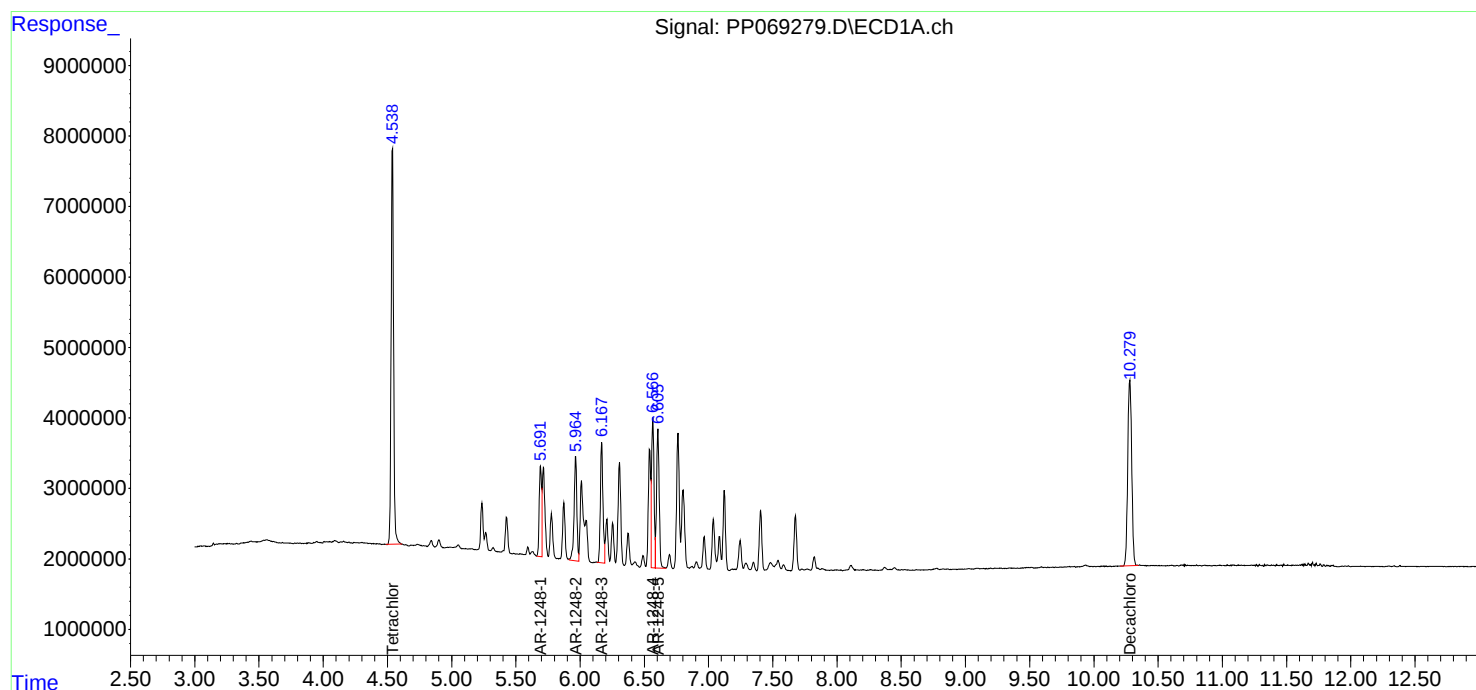
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069279.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 13:58  
Operator : YP\AJ  
Sample : AR1248ICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1248ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 14:12:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 14:11:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069280.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 14:15  
 Operator : YP\AJ  
 Sample : AR1248ICC250  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1248ICC250

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 14:47:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 14:47:37 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml   |
|-----------------------------|--------|-------|----------|----------|----------|---------|
| -----                       |        |       |          |          |          |         |
| System Monitoring Compounds |        |       |          |          |          |         |
| 1) SA Tetrachlo...          | 4.535  | 3.840 | 38900473 | 25359775 | 26.336   | 26.416  |
| 2) SA Decachlor...          | 10.277 | 8.911 | 29432874 | 30058024 | 26.677   | 28.164  |
| Target Compounds            |        |       |          |          |          |         |
| 21) L5 AR-1248-1            | 5.689  | 4.933 | 9122332  | 6315546  | 281.174  | 278.735 |
| 22) L5 AR-1248-2            | 5.962  | 5.171 | 11494735 | 8502337  | 270.029  | 282.333 |
| 23) L5 AR-1248-3            | 6.165  | 5.214 | 12315718 | 8710002  | 263.285  | 279.197 |
| 24) L5 AR-1248-4            | 6.562  | 5.387 | 14748750 | 10295186 | 262.158m | 277.163 |
| 25) L5 AR-1248-5            | 6.602  | 5.783 | 14422513 | 10509480 | 268.328m | 277.028 |
| -----                       |        |       |          |          |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069280.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 14:15  
Operator : YP\AJ  
Sample : AR1248ICC250  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

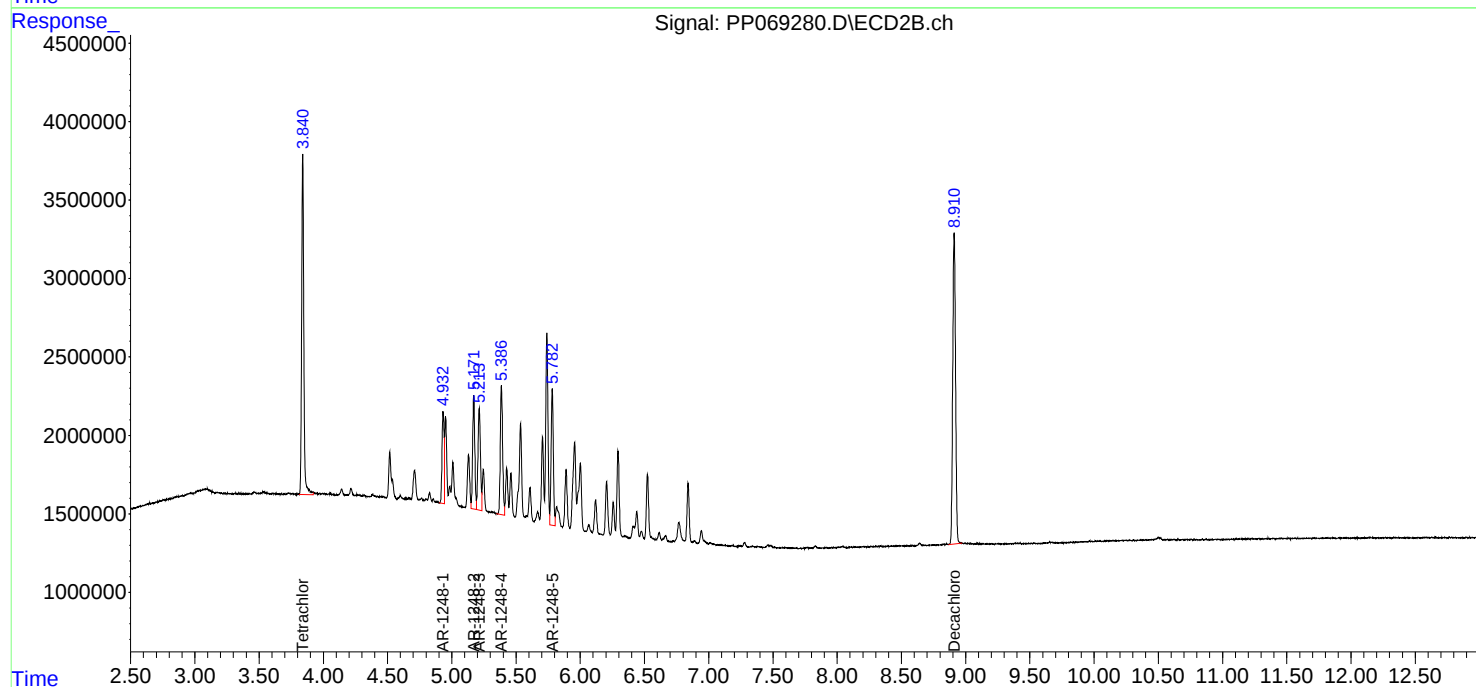
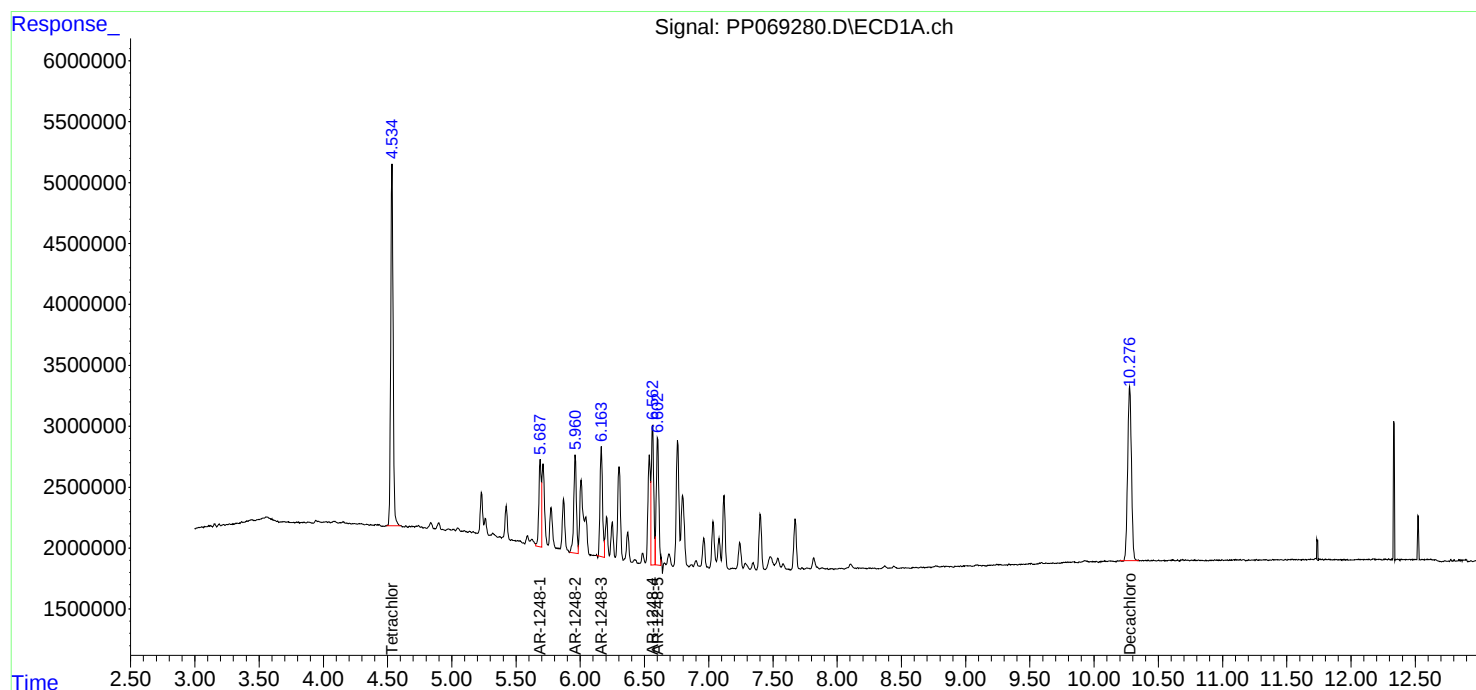
Instrument :  
ECD\_P  
ClientSampleId :  
AR1248ICC250

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 14:47:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 14:47:37 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069281.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 14:31  
 Operator : YP\AJ  
 Sample : AR1248ICC050  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1248ICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 14:50:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 14:50:37 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|---------|---------|--------|--------|
| -----                       |        |       |         |         |        |        |
| System Monitoring Compounds |        |       |         |         |        |        |
| 1) SA Tetrachlo...          | 4.536  | 3.841 | 6169681 | 4124462 | 4.319  | 4.421  |
| 2) SA Decachlor...          | 10.278 | 8.912 | 5023917 | 5520243 | 4.636  | 5.137  |
| Target Compounds            |        |       |         |         |        |        |
| 21) L5 AR-1248-1            | 5.690  | 4.934 | 1621026 | 971056  | 49.971 | 44.118 |
| 22) L5 AR-1248-2            | 5.963  | 5.173 | 2097890 | 1493224 | 49.424 | 49.667 |
| 23) L5 AR-1248-3            | 6.165  | 5.215 | 2391359 | 1506753 | 50.894 | 48.630 |
| 24) L5 AR-1248-4            | 6.565  | 5.388 | 2581995 | 1806945 | 46.842 | 48.911 |
| 25) L5 AR-1248-5            | 6.604  | 5.784 | 2537395 | 1760053 | 47.531 | 47.074 |
| -----                       |        |       |         |         |        |        |

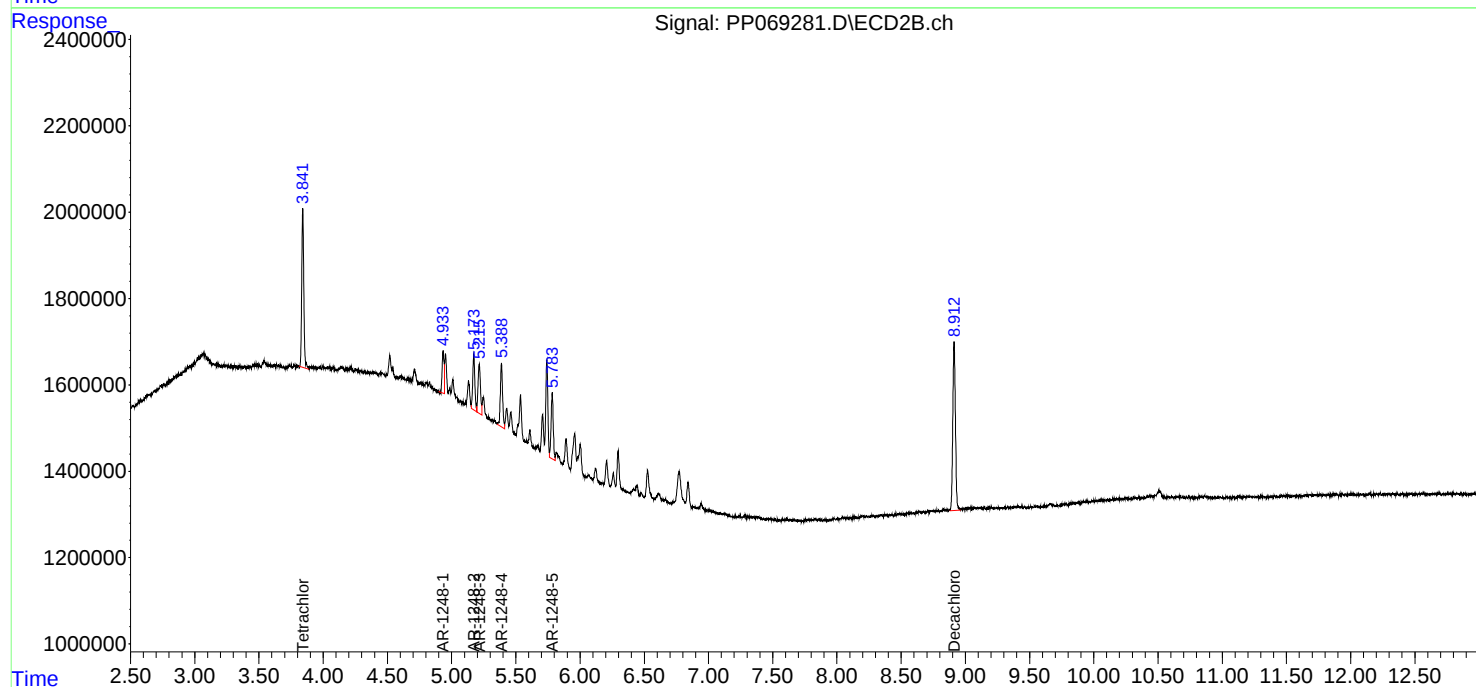
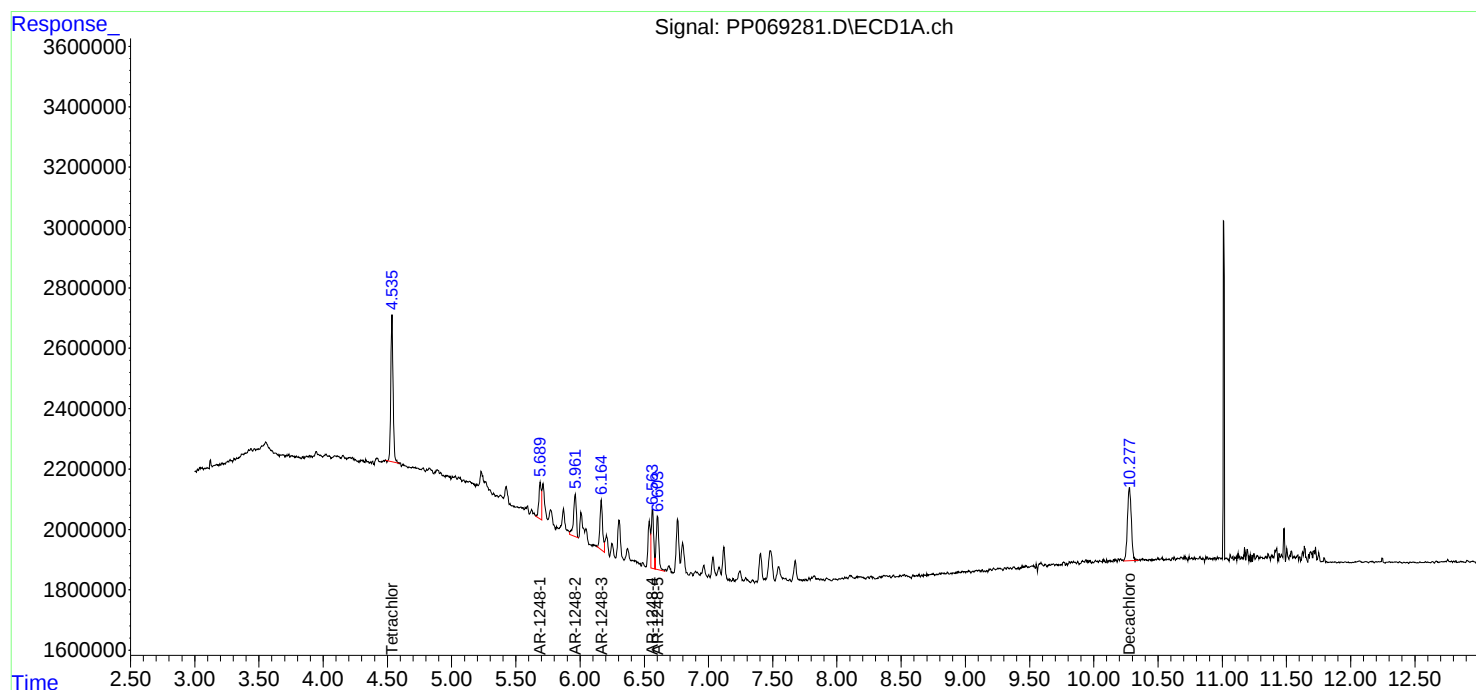
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069281.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 14:31  
Operator : YP\AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1248ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 14:50:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 14:50:37 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069282.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 14:47  
 Operator : YP\AJ  
 Sample : AR1254ICC1000  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1254ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 15:38:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 15:34:40 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|--------|-------|----------|----------|---------|----------|
| -----                       |        |       |          |          |         |          |
| System Monitoring Compounds |        |       |          |          |         |          |
| 1) SA Tetrachlo...          | 4.536  | 3.840 | 142.2E6  | 95200335 | 97.758  | 100.728  |
| 2) SA Decachlor...          | 10.277 | 8.911 | 104.8E6  | 103.5E6  | 96.026  | 96.564   |
|                             |        |       |          |          |         |          |
| Target Compounds            |        |       |          |          |         |          |
| 26) L6 AR-1254-1            | 6.541  | 5.741 | 52694329 | 53877397 | 969.975 | 1004.411 |
| 27) L6 AR-1254-2            | 6.757  | 5.890 | 75242428 | 46864995 | 965.868 | 1003.283 |
| 28) L6 AR-1254-3            | 7.120  | 6.295 | 78719981 | 74986178 | 962.506 | 997.668  |
| 29) L6 AR-1254-4            | 7.403  | 6.524 | 63293404 | 49801197 | 945.679 | 999.626  |
| 30) L6 AR-1254-5            | 7.820  | 6.943 | 65136323 | 65231257 | 971.069 | 983.750  |
| -----                       |        |       |          |          |         |          |

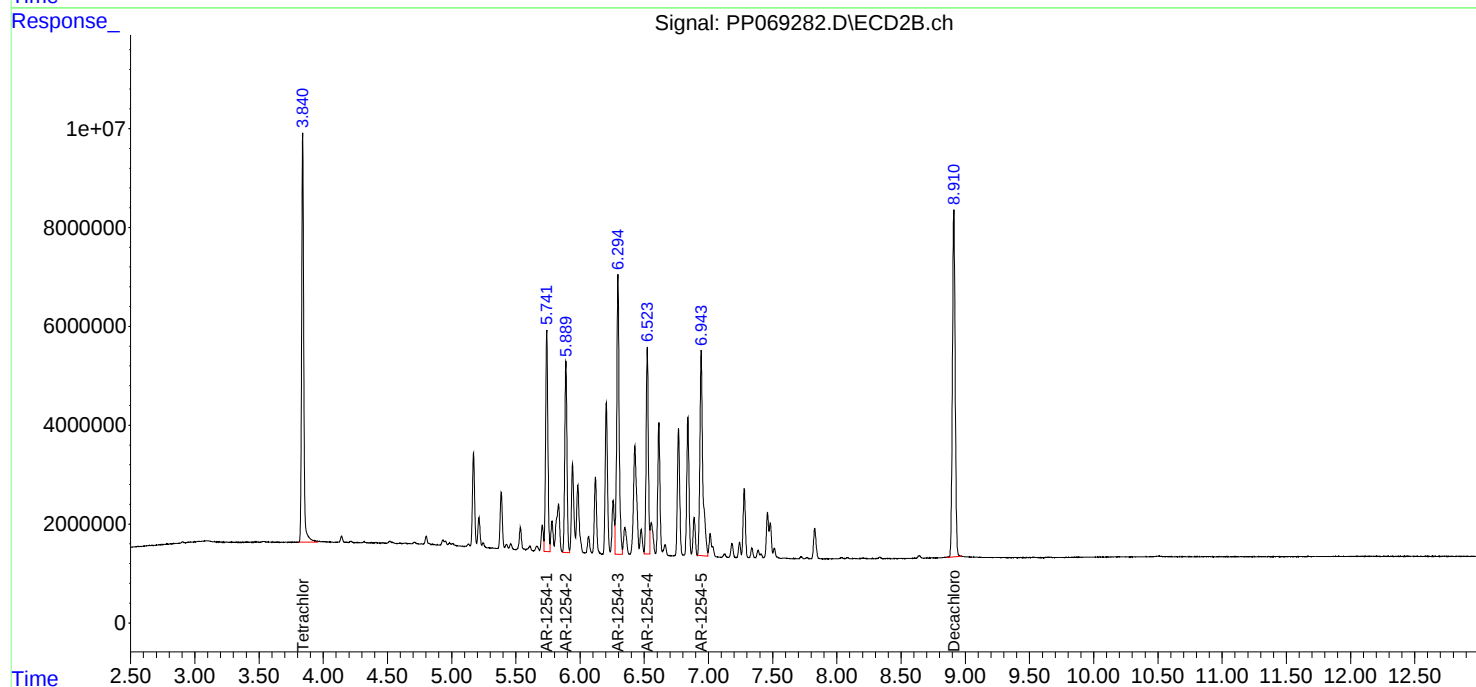
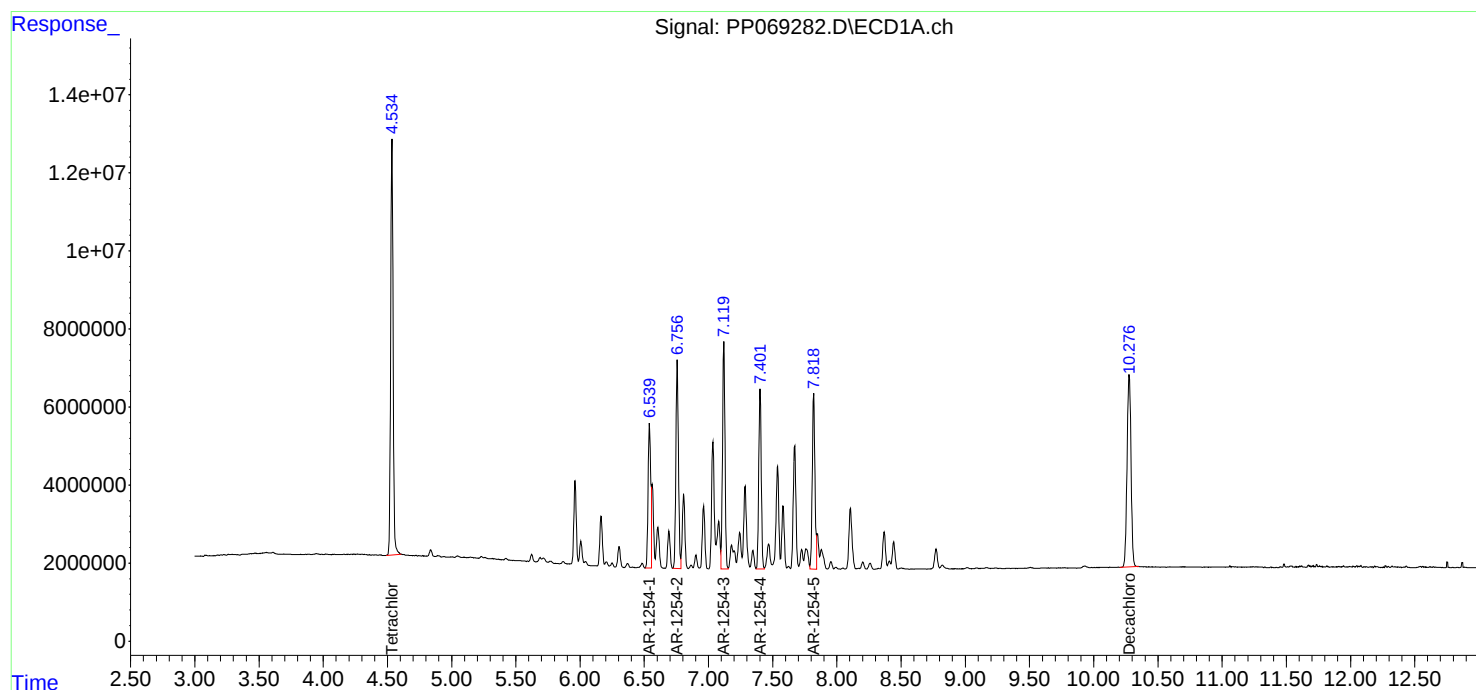
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069282.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 14:47  
Operator : YP\AJ  
Sample : AR1254ICC1000  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1254ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 15:38:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 15:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069283.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 15:04  
 Operator : YP\AJ  
 Sample : AR1254ICC750  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1254ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 15:41:16 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 15:34:40 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.539  | 3.841 | 111.7E6  | 72162165 | 76.169  | 75.896  |
| 2) SA Decachlor...          | 10.279 | 8.912 | 82401911 | 85497248 | 75.320  | 78.103  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 26) L6 AR-1254-1            | 6.544  | 5.743 | 42092792 | 41065443 | 766.370 | 760.304 |
| 27) L6 AR-1254-2            | 6.761  | 5.891 | 60091044 | 35579285 | 764.115 | 757.746 |
| 28) L6 AR-1254-3            | 7.123  | 6.297 | 62798989 | 55893880 | 761.800 | 745.755 |
| 29) L6 AR-1254-4            | 7.406  | 6.525 | 50760334 | 37484466 | 755.593 | 751.598 |
| 30) L6 AR-1254-5            | 7.823  | 6.945 | 50923574 | 50002042 | 756.096 | 752.714 |
| -----                       |        |       |          |          |         |         |

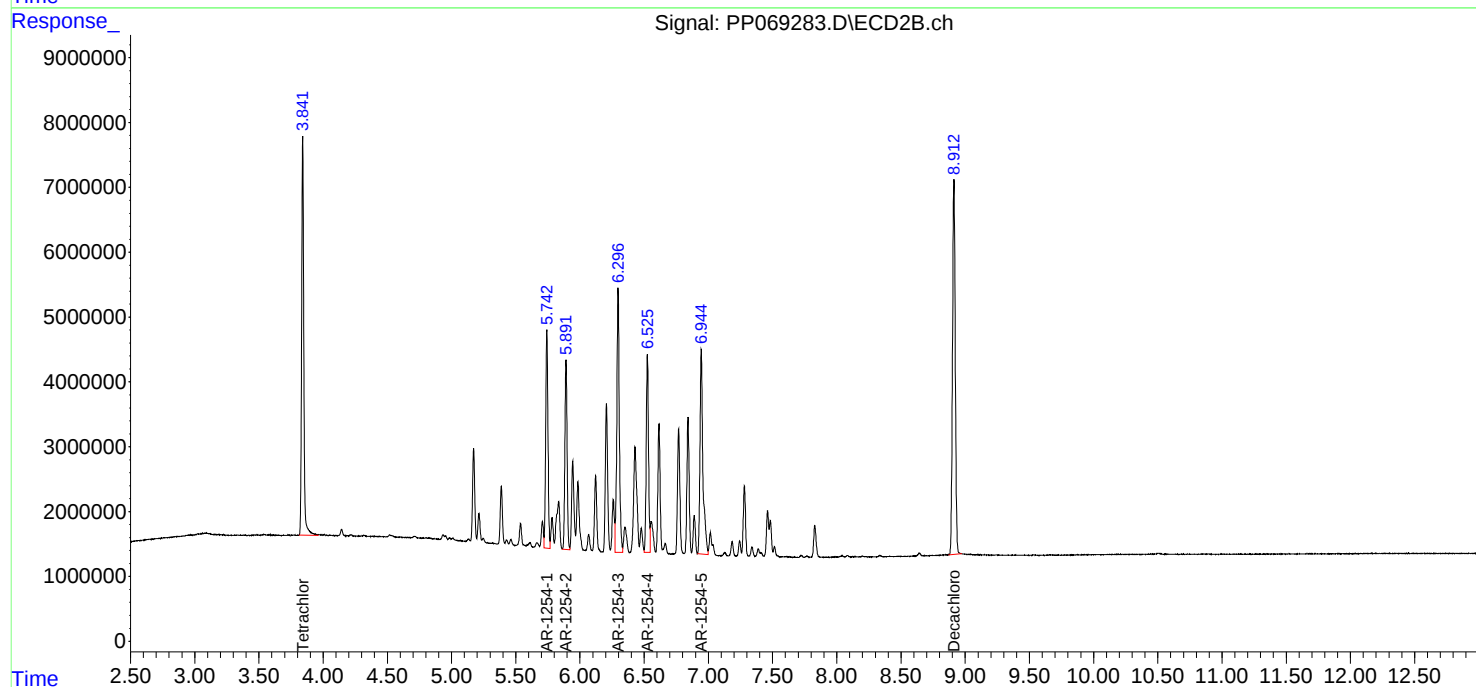
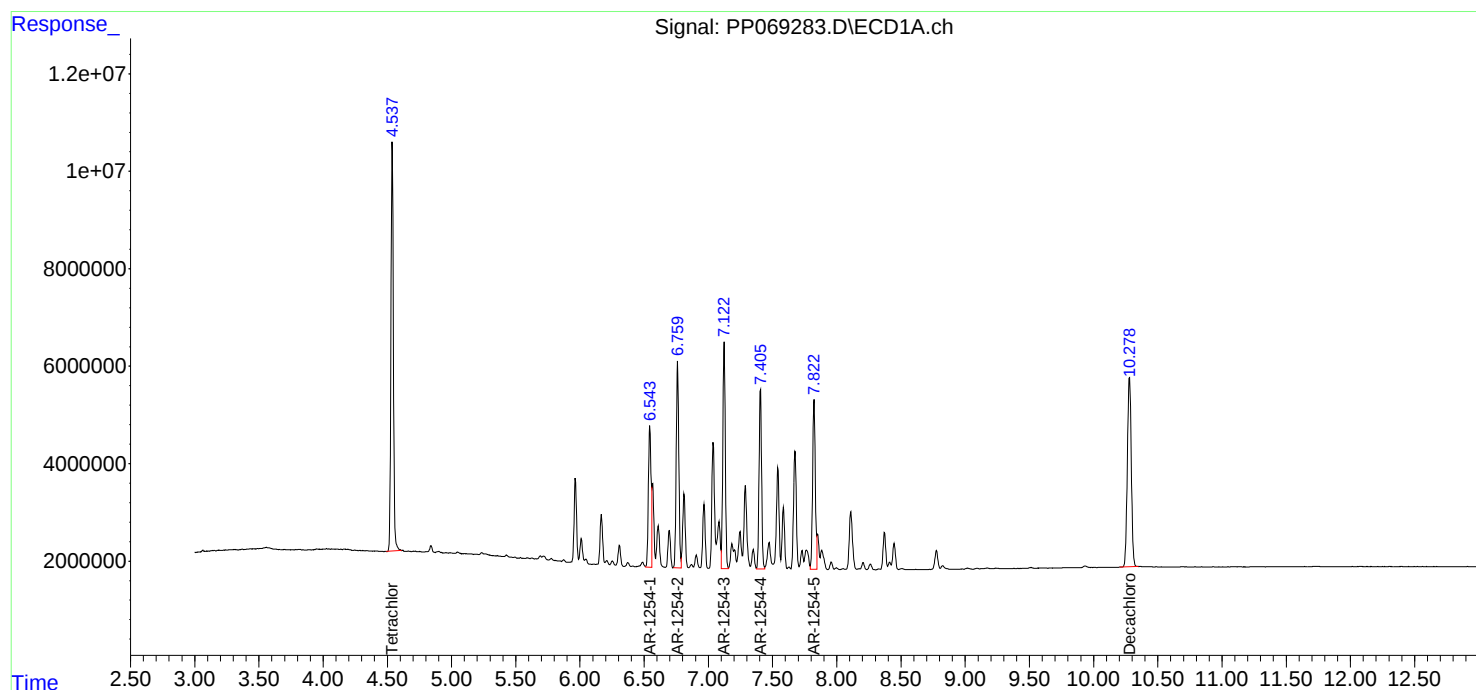
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069283.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 15:04  
Operator : YP\AJ  
Sample : AR1254ICC750  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1254ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 15:41:16 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 15:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069284.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 15:20  
 Operator : YP\AJ  
 Sample : AR1254ICC500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1254ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 15:36:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 15:34:40 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.534  | 3.840 | 74350956 | 46911824 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.275 | 8.909 | 56754140 | 55443280 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 26) L6 AR-1254-1            | 6.539  | 5.742 | 27978290 | 26702115 | 500.000 | 500.000 |
| 27) L6 AR-1254-2            | 6.756  | 5.890 | 40280132 | 23279150 | 500.000 | 500.000 |
| 28) L6 AR-1254-3            | 7.119  | 6.295 | 42426502 | 37668351 | 500.000 | 500.000 |
| 29) L6 AR-1254-4            | 7.401  | 6.523 | 35282320 | 24919247 | 500.000 | 500.000 |
| 30) L6 AR-1254-5            | 7.819  | 6.944 | 34508764 | 33693162 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

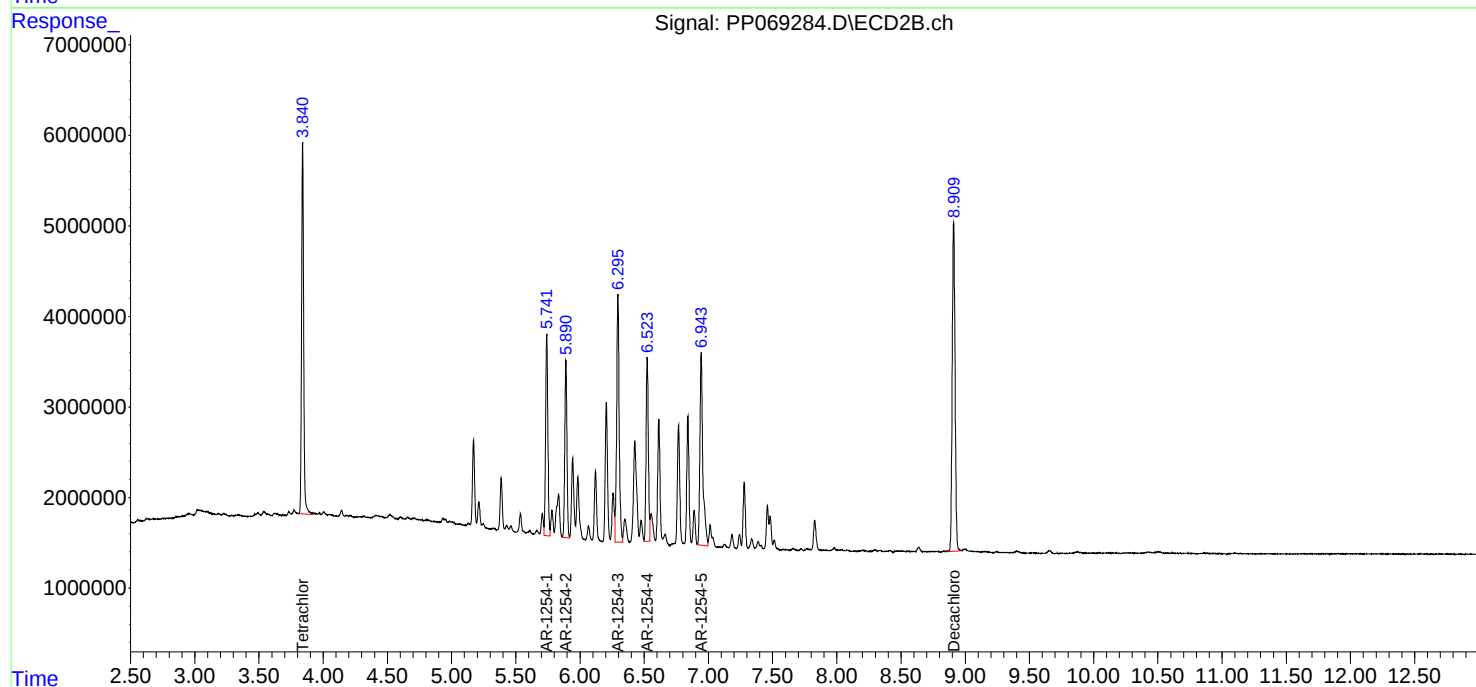
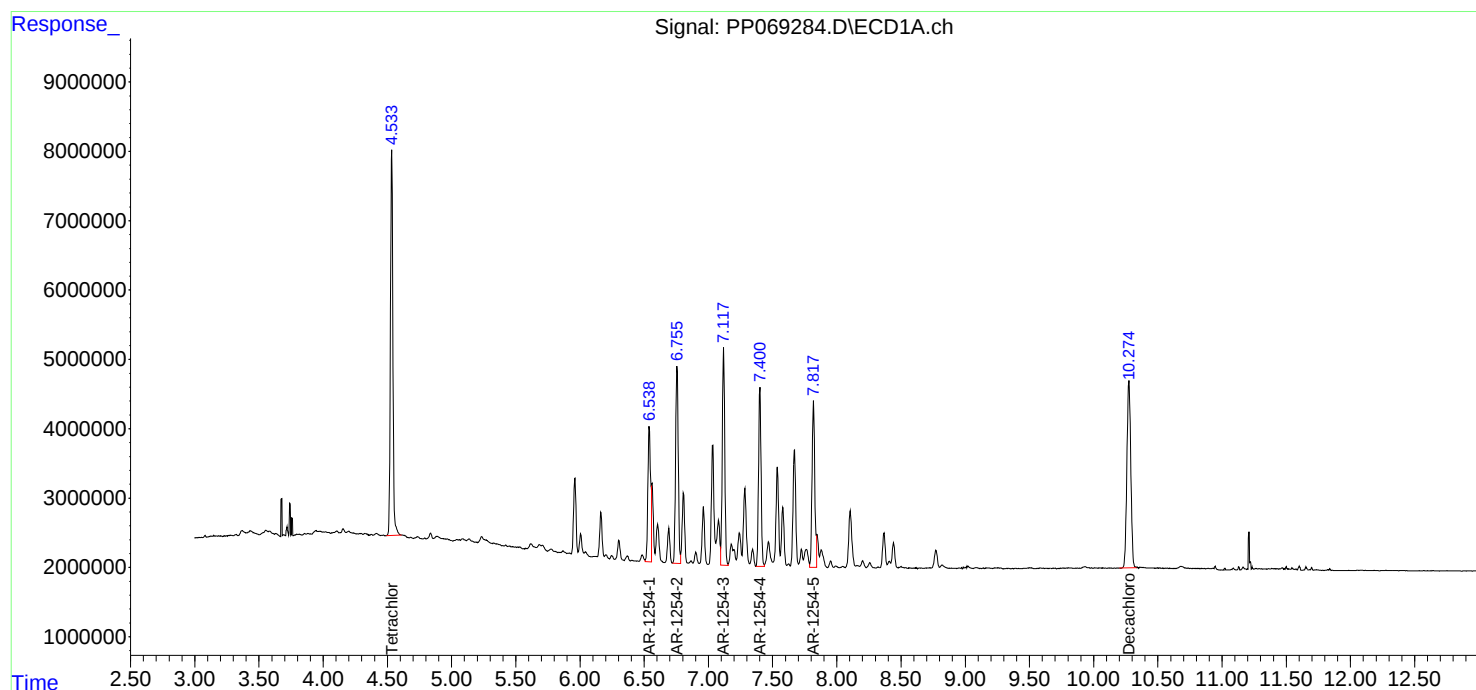
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069284.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 15:20  
Operator : YP\AJ  
Sample : AR1254ICC500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1254ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 15:36:11 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 15:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069285.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 15:36  
 Operator : YP\AJ  
 Sample : AR1254ICC250  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1254ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 15:48:10 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 15:47:56 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.841 | 38308296 | 24933870 | 25.841  | 25.907  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 29728444 | 31922182 | 26.595  | 27.996  |
| Target Compounds            |        |       |          |          |         |         |
| 26) L6 AR-1254-1            | 6.542  | 5.742 | 15348917 | 15166762 | 271.458 | 272.413 |
| 27) L6 AR-1254-2            | 6.758  | 5.891 | 21814148 | 13205390 | 269.993 | 272.720 |
| 28) L6 AR-1254-3            | 7.121  | 6.297 | 22435517 | 20943244 | 266.260 | 271.443 |
| 29) L6 AR-1254-4            | 7.404  | 6.525 | 18279799 | 14284124 | 266.219 | 276.348 |
| 30) L6 AR-1254-5            | 7.820  | 6.944 | 18690696 | 18712616 | 270.082 | 273.040 |
| -----                       |        |       |          |          |         |         |

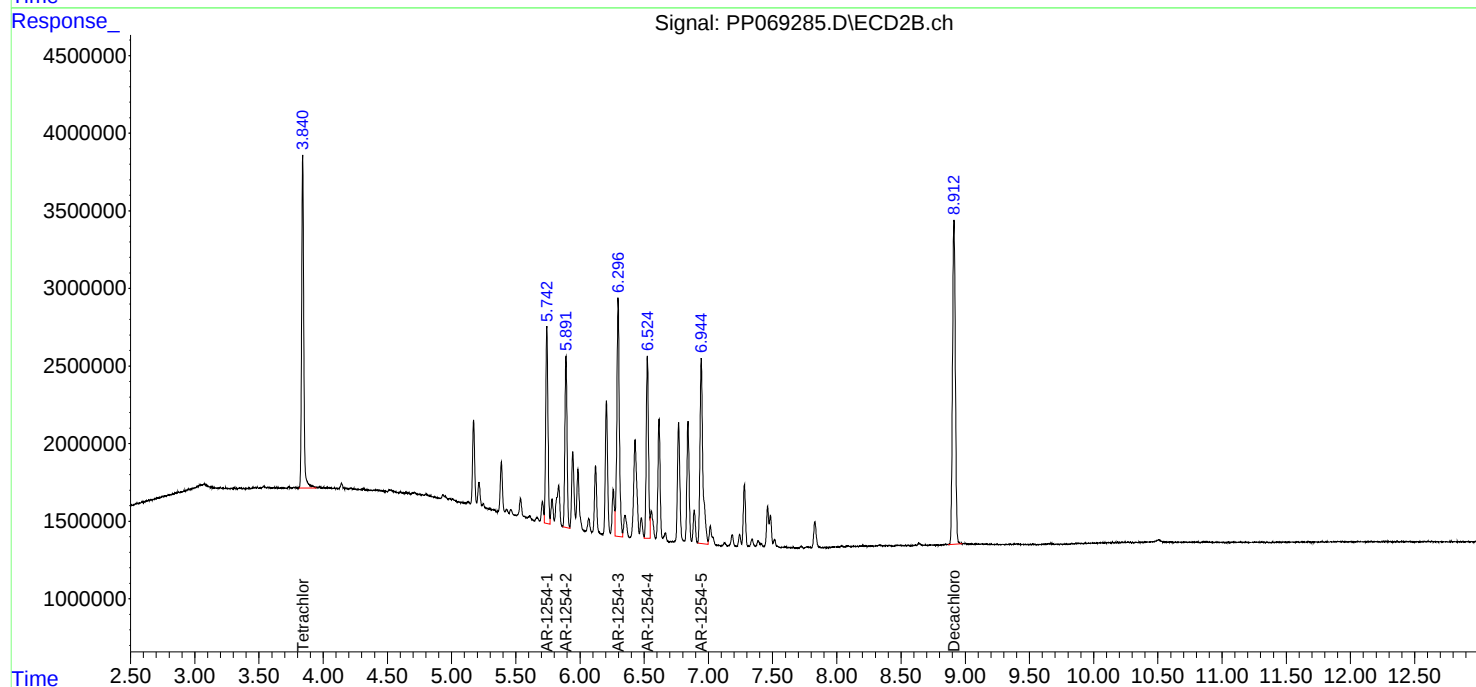
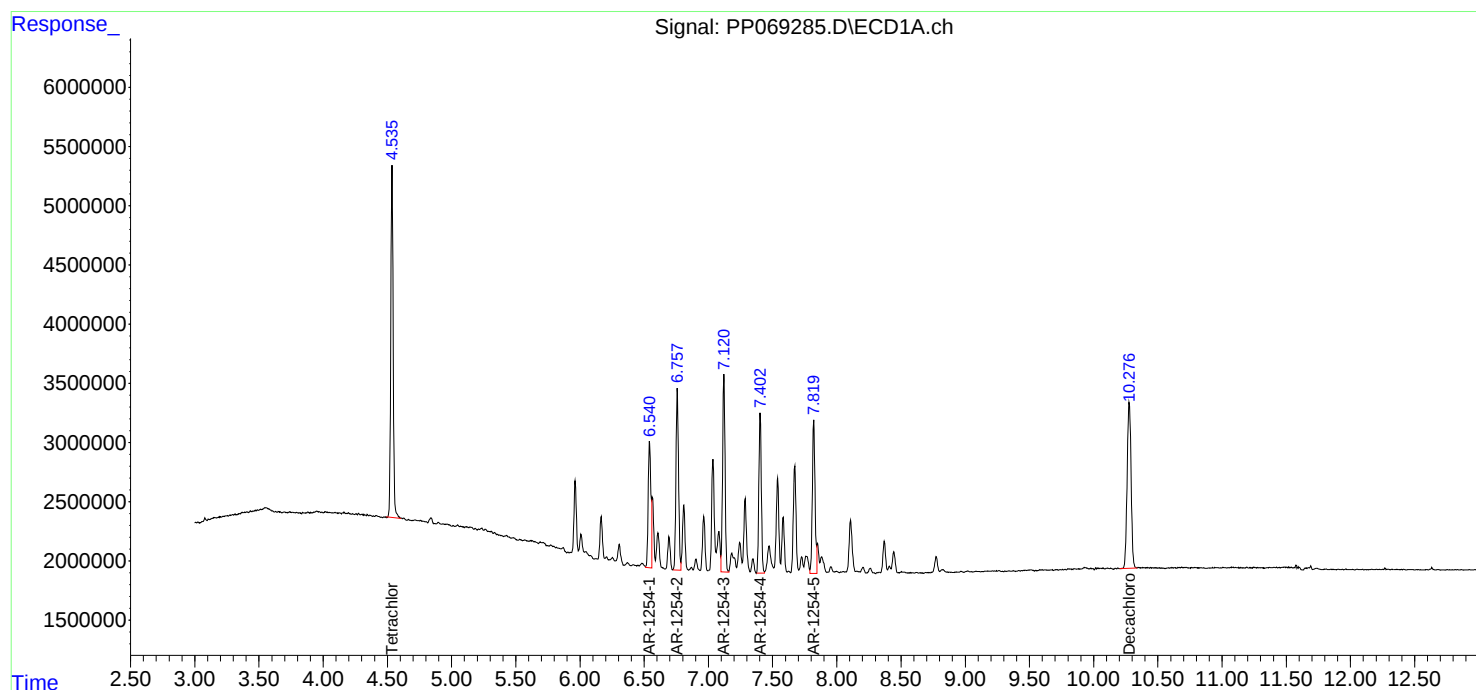
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069285.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 15:36  
Operator : YP\AJ  
Sample : AR1254ICC250  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1254ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 15:48:10 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 15:47:56 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069286.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 15:53  
 Operator : YP\AJ  
 Sample : AR1254ICC050  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1254ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 16:04:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 16:04:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml  |
|-----------------------------|--------|-------|---------|---------|---------|--------|
| -----                       |        |       |         |         |         |        |
| System Monitoring Compounds |        |       |         |         |         |        |
| 1) SA Tetrachlo...          | 4.537  | 3.841 | 6135092 | 4091392 | 4.293m  | 4.382  |
| 2) SA Decachlor...          | 10.277 | 8.912 | 4792685 | 5691534 | 4.413   | 4.993  |
| Target Compounds            |        |       |         |         |         |        |
| 26) L6 AR-1254-1            | 6.542  | 5.742 | 3157414 | 2628819 | 55.481m | 47.748 |
| 27) L6 AR-1254-2            | 6.759  | 5.891 | 3901432 | 2408006 | 48.621  | 49.784 |
| 28) L6 AR-1254-3            | 7.122  | 6.297 | 4219753 | 3542972 | 50.063  | 46.682 |
| 29) L6 AR-1254-4            | 7.405  | 6.525 | 3314077 | 2474657 | 48.602  | 48.286 |
| 30) L6 AR-1254-5            | 7.823  | 6.944 | 3170800 | 2933240 | 46.598  | 44.069 |
| -----                       |        |       |         |         |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069286.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 15:53  
Operator : YP\AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

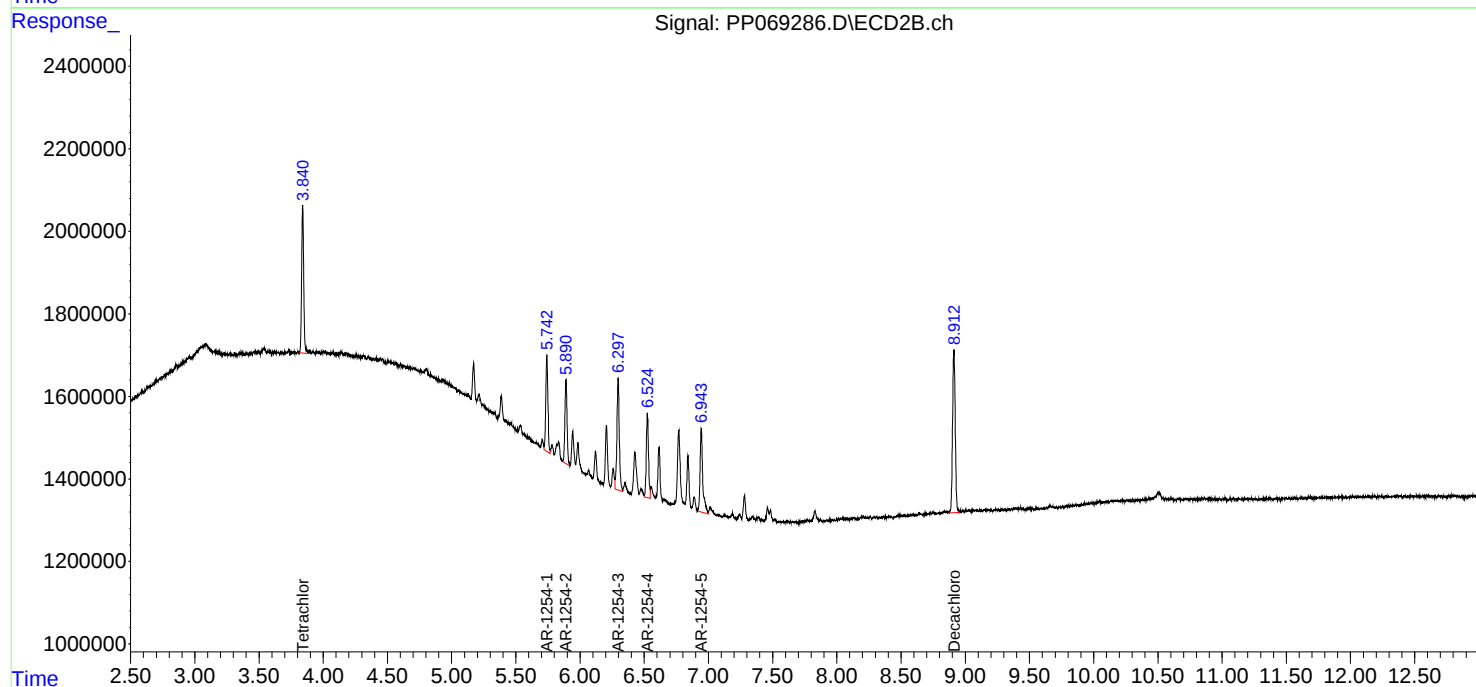
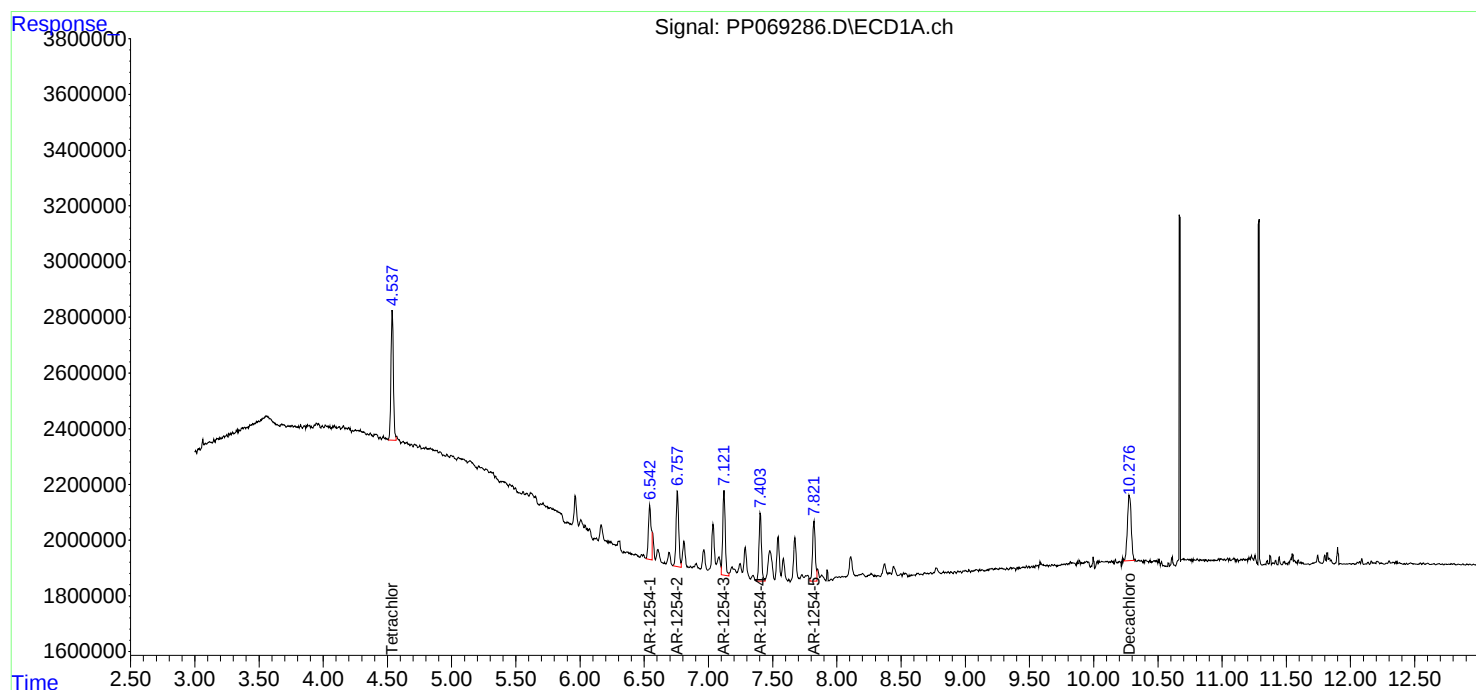
Instrument :  
ECD\_P  
ClientSampleId :  
AR1254ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 16:04:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 16:04:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069287.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 16:09  
 Operator : YP\AJ  
 Sample : AR1262ICC500  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1262ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 16:23:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 16:21:57 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.842 | 70866290 | 45053246 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.278 | 8.912 | 54146536 | 52952692 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 36) L8 AR-1262-1            | 8.124  | 6.983 | 39509132 | 35506595 | 500.000 | 500.000 |
| 37) L8 AR-1262-2            | 8.446  | 7.243 | 76461630 | 30489732 | 500.000 | 500.000 |
| 38) L8 AR-1262-3            | 8.766  | 7.768 | 53139905 | 26149600 | 500.000 | 500.000 |
| 39) L8 AR-1262-4            | 8.852  | 7.832 | 40896466 | 46218246 | 500.000 | 500.000 |
| 40) L8 AR-1262-5            | 9.511  | 8.336 | 28305097 | 23896110 | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

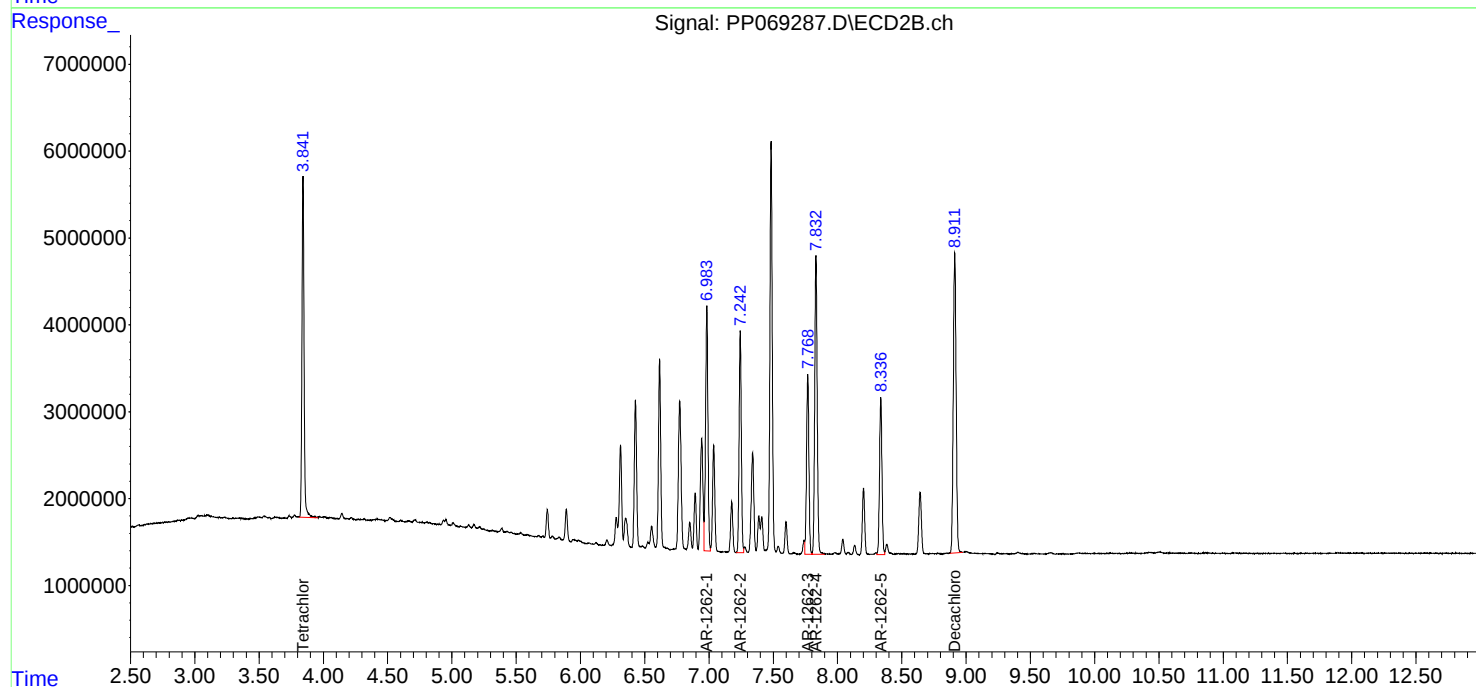
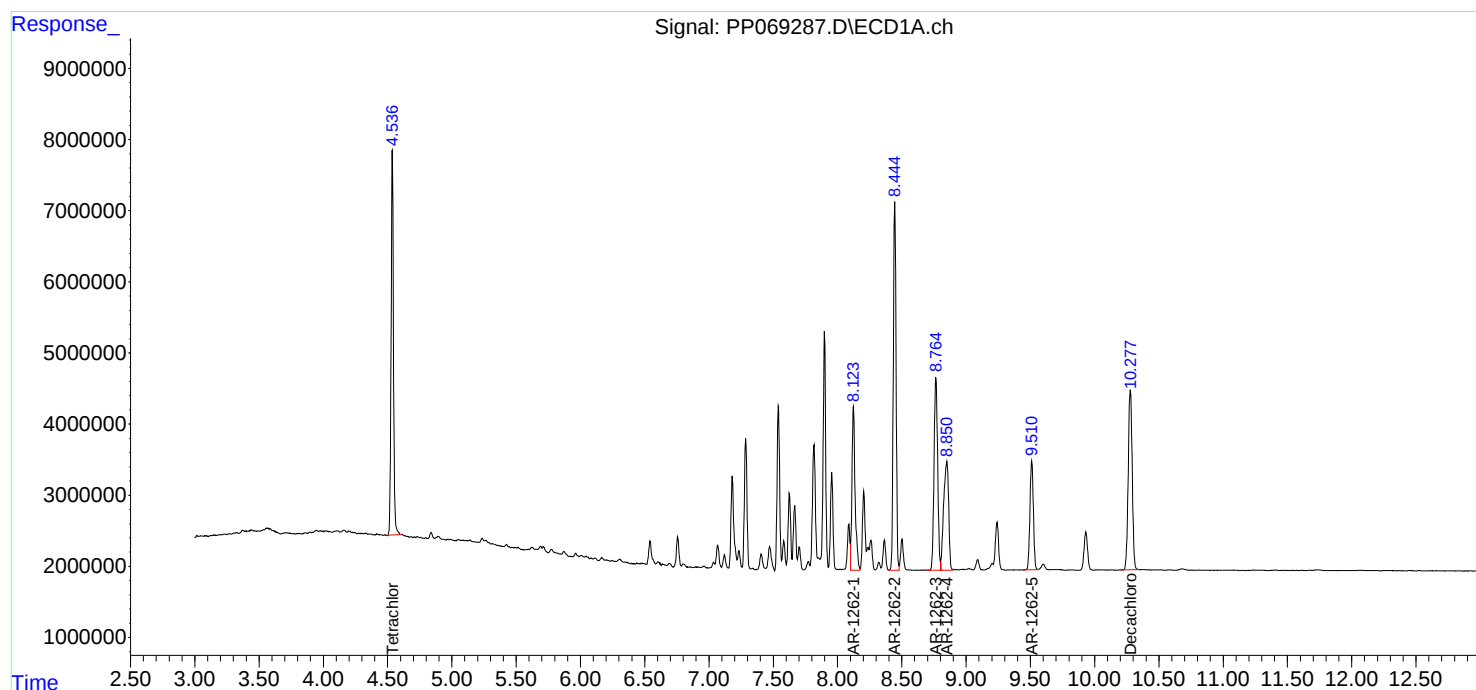
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069287.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 16:09  
Operator : YP\AJ  
Sample : AR1262ICC500  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1262ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 16:23:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 16:21:57 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069288.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 16:25  
 Operator : YP\AJ  
 Sample : AR1268ICC1000  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1268ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:14:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:10:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.842 | 141.7E6  | 92128954 | 95.944  | 96.727  |
| 2) SA Decachlor...          | 10.278 | 8.913 | 175.4E6  | 173.2E6  | 95.468  | 94.768  |
| Target Compounds            |        |       |          |          |         |         |
| 41) L9 AR-1268-1            | 8.763  | 7.769 | 176.6E6  | 145.3E6  | 956.149 | 947.242 |
| 42) L9 AR-1268-2            | 8.856  | 7.834 | 157.0E6  | 134.2E6  | 955.347 | 948.494 |
| 43) L9 AR-1268-3            | 9.091  | 8.042 | 134.4E6  | 115.2E6  | 956.115 | 951.002 |
| 44) L9 AR-1268-4            | 9.511  | 8.337 | 59595033 | 52741395 | 959.028 | 945.775 |
| 45) L9 AR-1268-5            | 9.932  | 8.643 | 388.9E6  | 368.8E6  | 968.144 | 969.912 |
| -----                       |        |       |          |          |         |         |

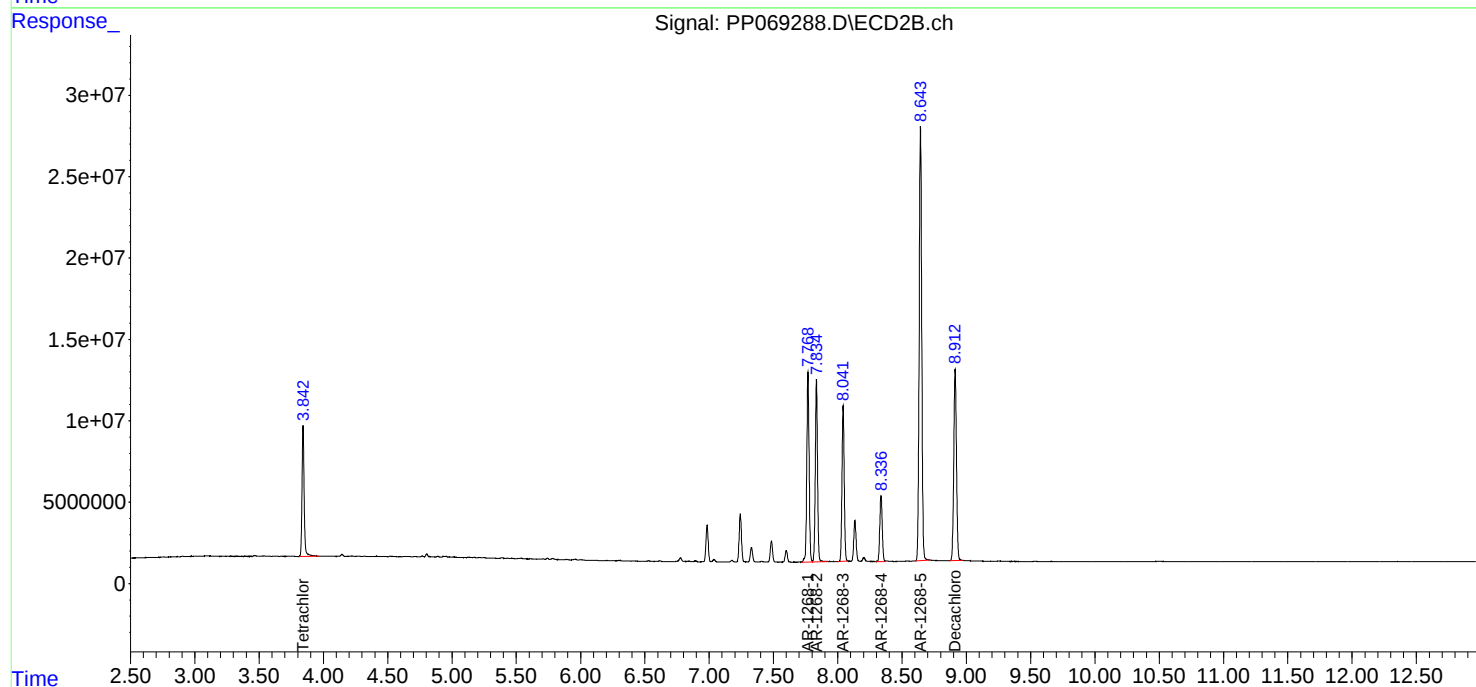
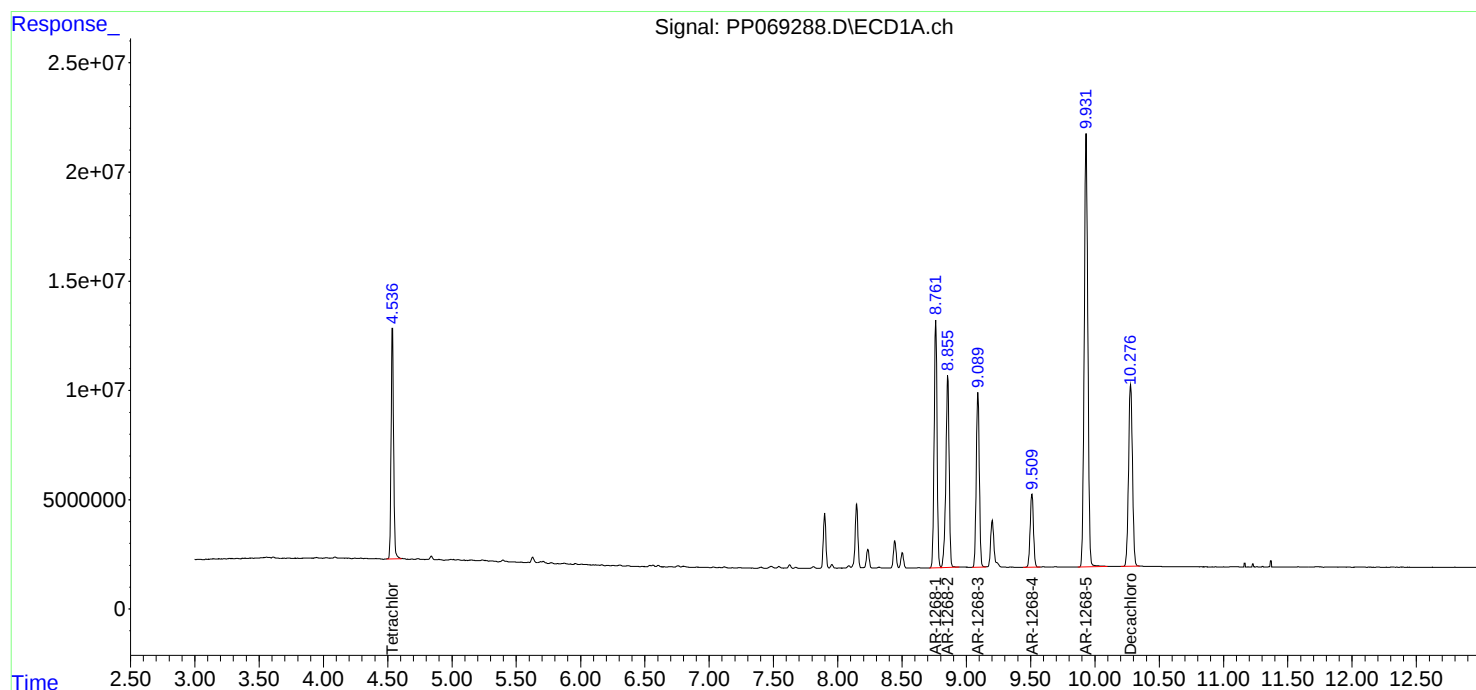
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069288.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 16:25  
Operator : YP\AJ  
Sample : AR1268ICC1000  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1268ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:14:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:10:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069289.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 16:42  
 Operator : YP\AJ  
 Sample : AR1268ICC750  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1268ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:19:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:10:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.539  | 3.842 | 111.1E6  | 71903318 | 75.128  | 75.901  |
| 2) SA Decachlor...          | 10.281 | 8.913 | 137.9E6  | 136.8E6  | 75.046  | 74.883  |
| Target Compounds            |        |       |          |          |         |         |
| 41) L9 AR-1268-1            | 8.763  | 7.769 | 138.6E6  | 112.6E6  | 750.252 | 738.987 |
| 42) L9 AR-1268-2            | 8.858  | 7.833 | 123.3E6  | 104.3E6  | 750.168 | 741.423 |
| 43) L9 AR-1268-3            | 9.093  | 8.042 | 105.3E6  | 88413325 | 749.171 | 736.666 |
| 44) L9 AR-1268-4            | 9.513  | 8.337 | 46710125 | 41418932 | 751.118 | 745.142 |
| 45) L9 AR-1268-5            | 9.935  | 8.643 | 302.5E6  | 288.2E6  | 751.971 | 755.369 |
| -----                       |        |       |          |          |         |         |

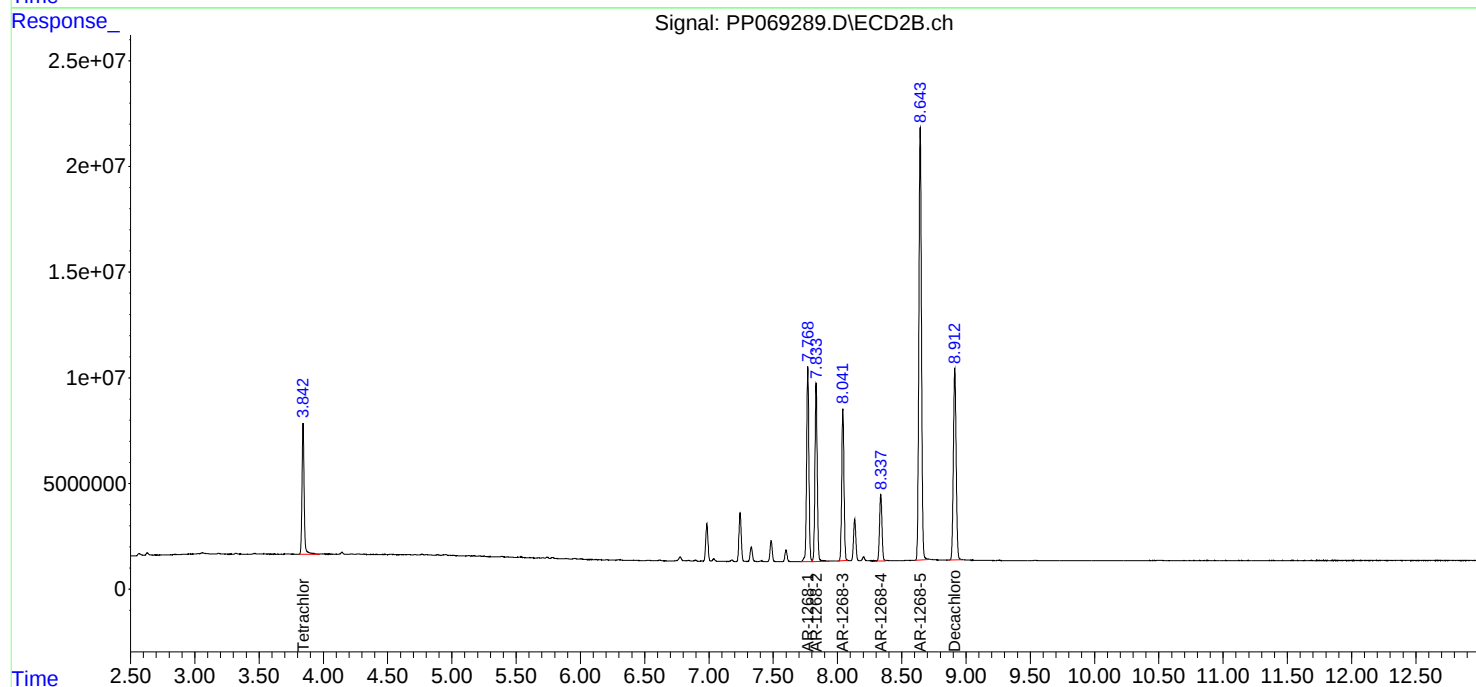
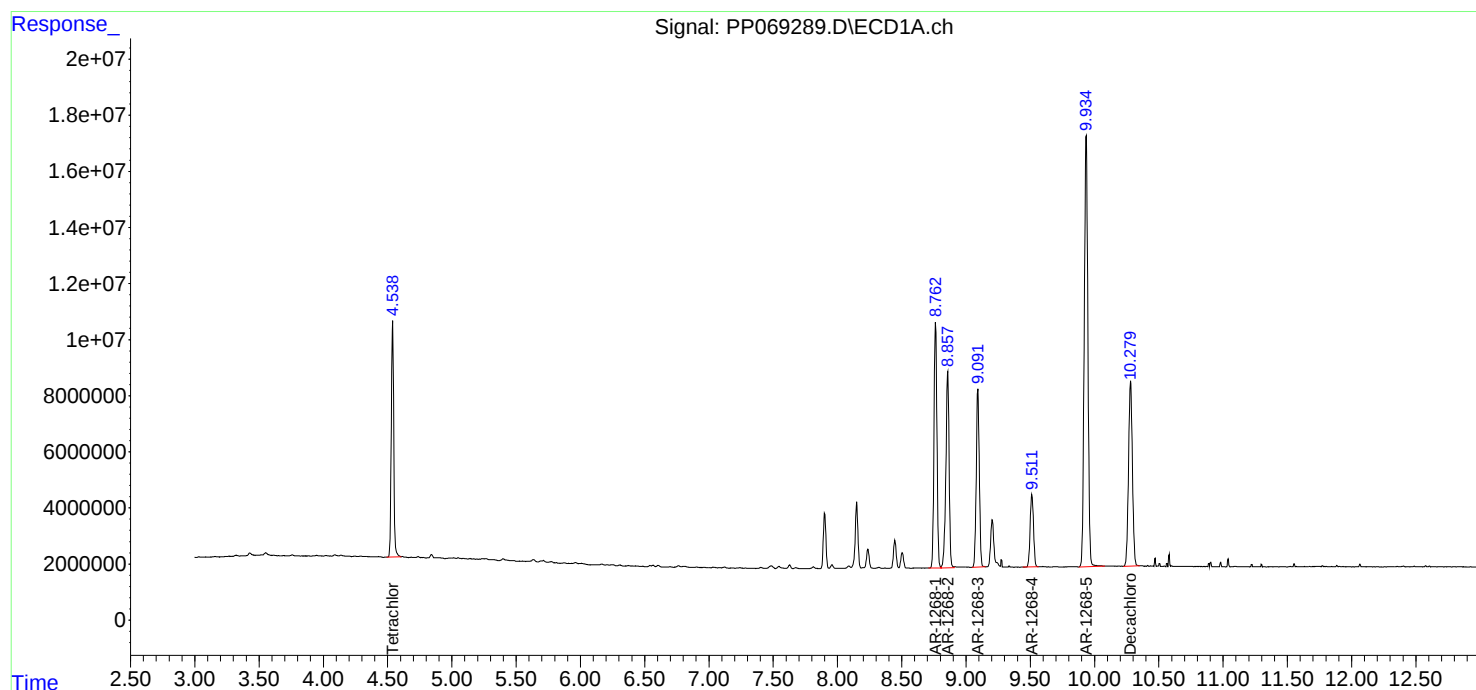
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069289.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 16:42  
Operator : YP\AJ  
Sample : AR1268ICC750  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1268ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:19:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:10:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069290.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 16:58  
 Operator : YP\AJ  
 Sample : AR1268ICC500  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1268ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:11:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:10:22 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.841 | 76862426 | 49181825 | 50.000  | 50.000  |
| 2) SA Decachlor...          | 10.279 | 8.911 | 96042801 | 96162855 | 50.000  | 50.000  |
| Target Compounds            |        |       |          |          |         |         |
| 41) L9 AR-1268-1            | 8.761  | 7.768 | 96392837 | 80759270 | 500.000 | 500.000 |
| 42) L9 AR-1268-2            | 8.855  | 7.833 | 85848712 | 74363836 | 500.000 | 500.000 |
| 43) L9 AR-1268-3            | 9.090  | 8.040 | 73389481 | 63508948 | 500.000 | 500.000 |
| 44) L9 AR-1268-4            | 9.510  | 8.335 | 32343556 | 29394578 | 500.000 | 500.000 |
| 45) L9 AR-1268-5            | 9.932  | 8.641 | 207.3E6  | 195.8E6  | 500.000 | 500.000 |
| -----                       |        |       |          |          |         |         |

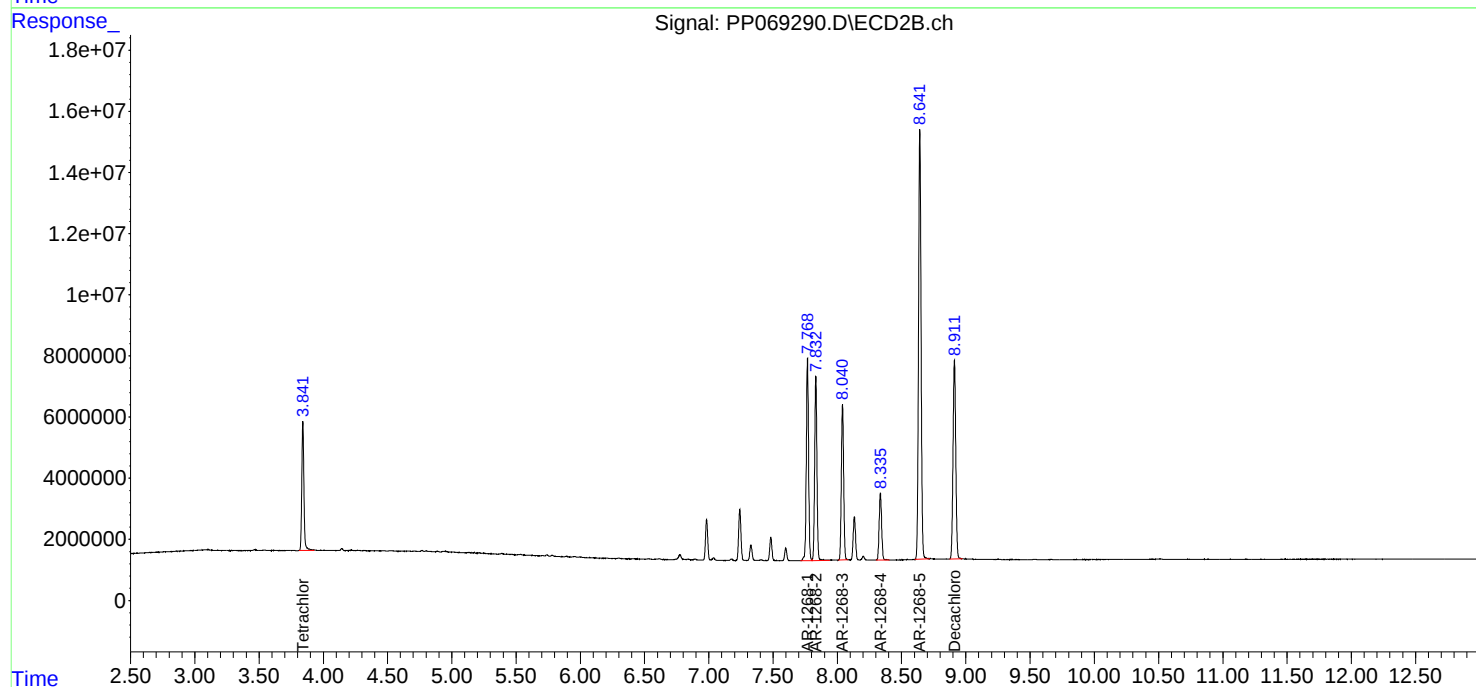
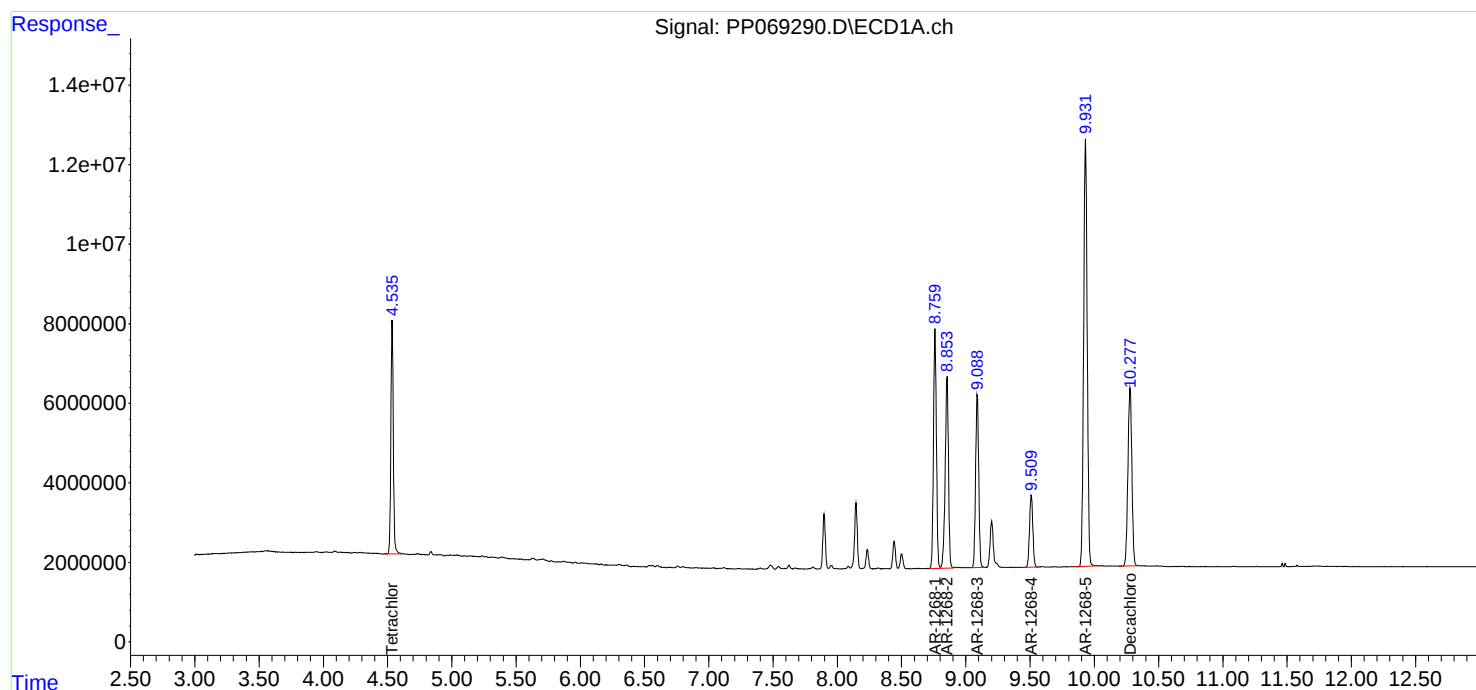
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069290.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 16:58  
Operator : YP\AJ  
Sample : AR1268ICC500  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1268ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:11:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:10:22 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069291.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 17:14  
 Operator : YP\AJ  
 Sample : AR1268ICC250  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1268ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:28:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:28:39 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.553  | 3.841 | 39693299 | 25406430 | 26.359  | 26.193  |
| 2) SA Decachlor...          | 10.293 | 8.912 | 50826883 | 48064273 | 26.937  | 25.976  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 41) L9 AR-1268-1            | 8.778  | 7.768 | 50705640 | 40061895 | 267.938 | 259.651 |
| 42) L9 AR-1268-2            | 8.872  | 7.832 | 44793849 | 36640221 | 266.509 | 257.814 |
| 43) L9 AR-1268-3            | 9.106  | 8.041 | 38627120 | 31135456 | 268.197 | 257.001 |
| 44) L9 AR-1268-4            | 9.527  | 8.336 | 16972703 | 14773829 | 266.811 | 261.656 |
| 45) L9 AR-1268-5            | 9.947  | 8.642 | 109.1E6  | 95443492 | 265.618 | 250.089 |
| -----                       |        |       |          |          |         |         |

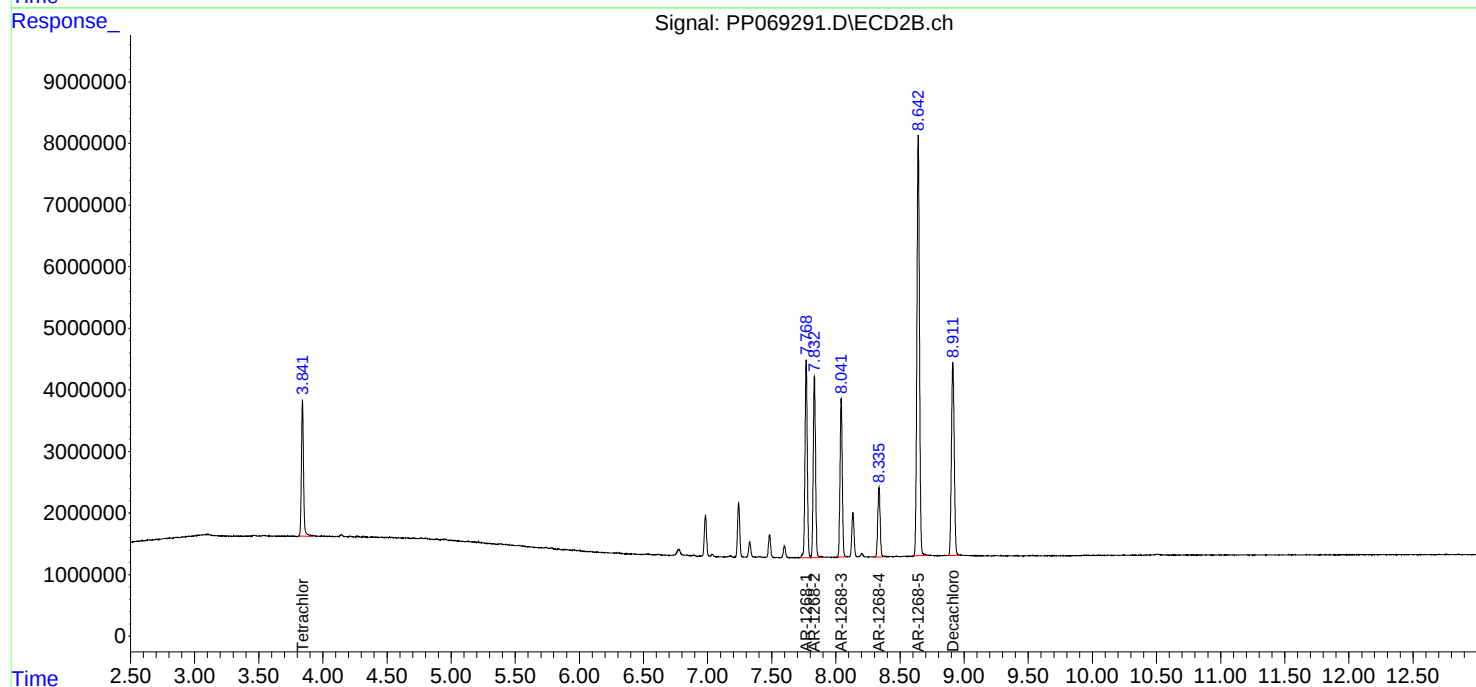
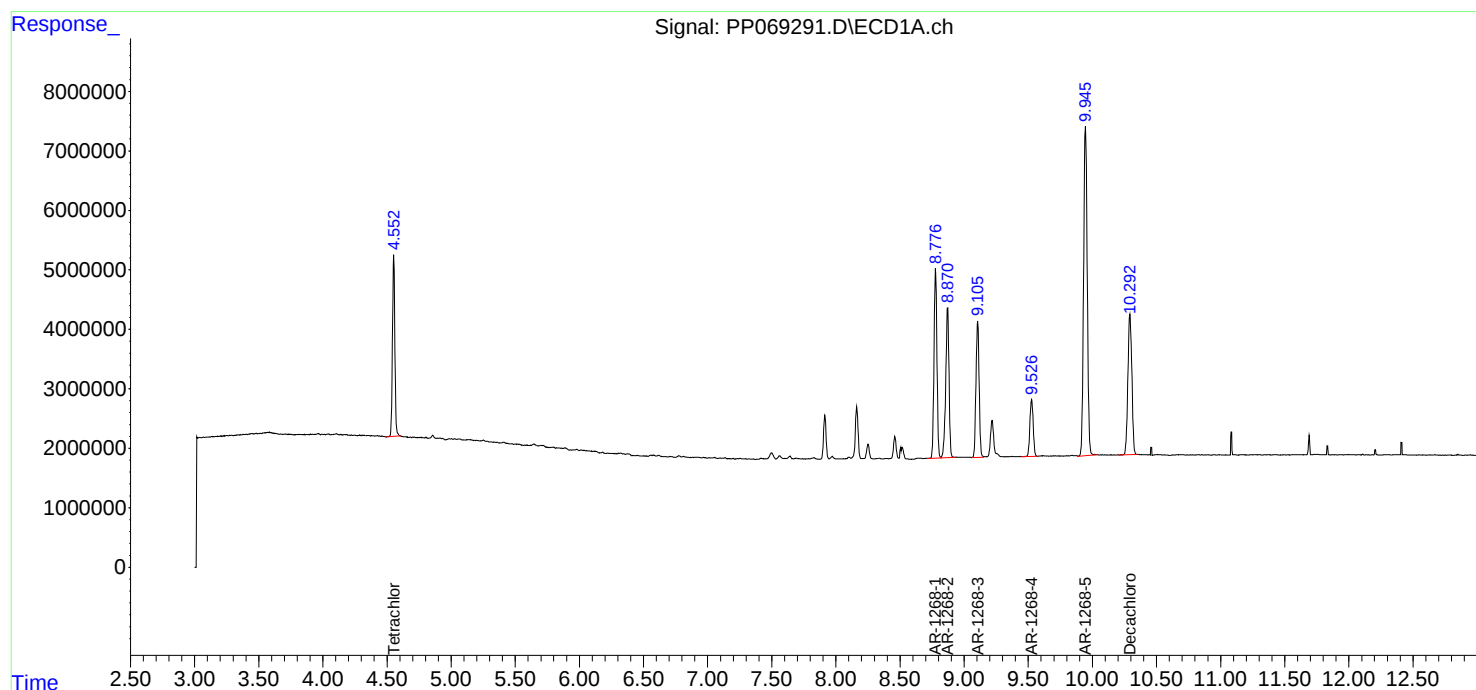
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069291.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 17:14  
Operator : YP\AJ  
Sample : AR1268ICC250  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
AR1268ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:28:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:28:39 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069292.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 17:30  
 Operator : YP\AJ  
 Sample : AR1268ICC050  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1268ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
 Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:46:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:46:12 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.537  | 3.840 | 4537630  | 2929843  | 3.283m | 3.277m |
| 2) SA Decachlor...          | 10.278 | 8.910 | 5979560  | 6573940  | 3.419  | 3.771  |
| Target Compounds            |        |       |          |          |        |        |
| 41) L9 AR-1268-1            | 8.763  | 7.767 | 6295775  | 5422252  | 35.654 | 37.363 |
| 42) L9 AR-1268-2            | 8.857  | 7.832 | 5727609  | 4780082  | 36.395 | 35.990 |
| 43) L9 AR-1268-3            | 9.093  | 8.039 | 4626946  | 4204668  | 34.600 | 36.968 |
| 44) L9 AR-1268-4            | 9.511  | 8.335 | 1957538  | 1726940  | 33.336 | 33.161 |
| 45) L9 AR-1268-5            | 9.933  | 8.641 | 13066763 | 12717604 | 34.305 | 35.705 |
| -----                       |        |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069292.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 17:30  
Operator : YP\AJ  
Sample : AR1268ICC050  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

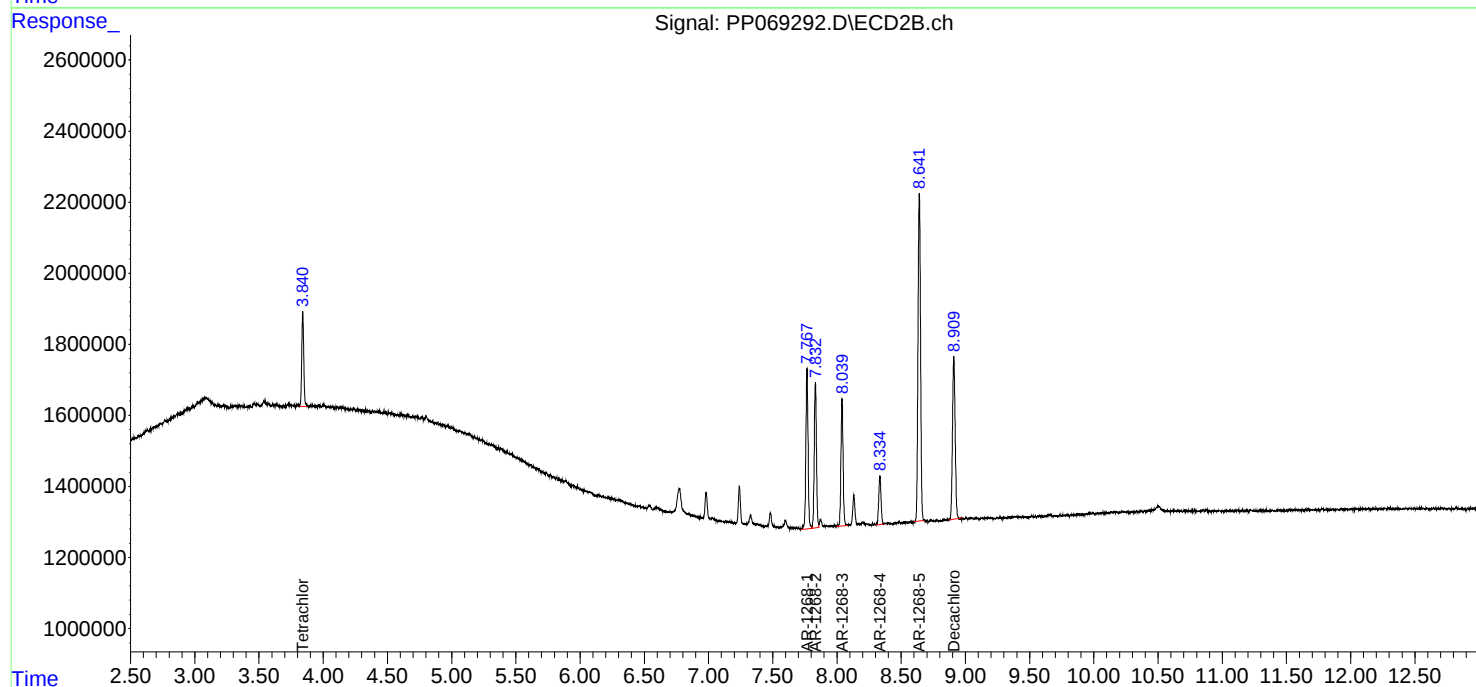
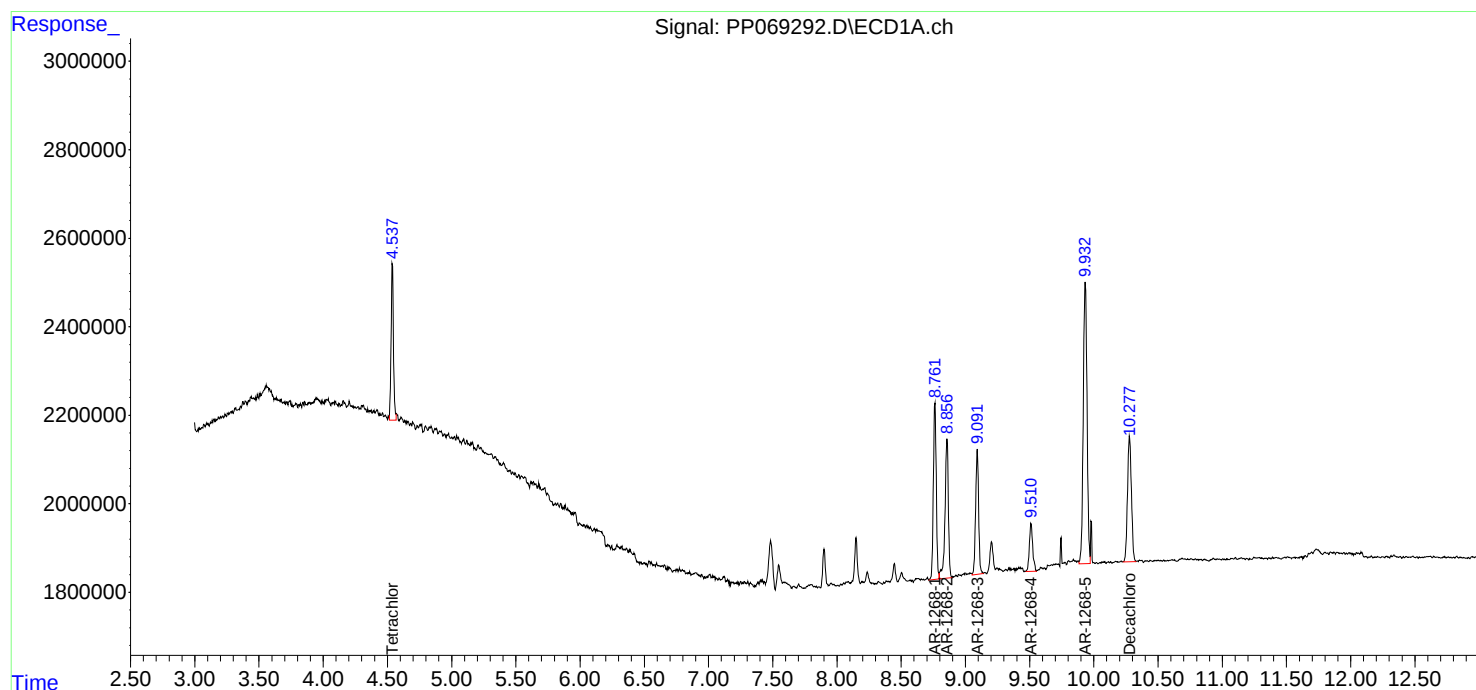
Instrument :  
ECD\_P  
ClientSampleId :  
AR1268ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/29/2025  
Supervised By :Ankita Jodhani 01/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:46:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:46:12 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069293.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 17:47  
 Operator : YP\AJ  
 Sample : PP012825ICV500  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 ICVPP012825

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:59:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:55:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.534  | 3.841 | 74230451 | 47659652 | 51.856  | 53.398  |
| 2) SA Decachlor...          | 10.274 | 8.911 | 57553327 | 56187297 | 52.661  | 50.235  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.688  | 4.934 | 24061581 | 16845536 | 519.319 | 516.496 |
| 4) L1 AR-1016-2             | 5.709  | 4.953 | 34728146 | 23100033 | 511.632 | 513.809 |
| 5) L1 AR-1016-3             | 5.772  | 5.131 | 21101112 | 12951595 | 495.371 | 520.479 |
| 6) L1 AR-1016-4             | 5.869  | 5.172 | 18055342 | 10646965 | 515.860 | 527.175 |
| 7) L1 AR-1016-5             | 6.163  | 5.388 | 16717226 | 13663941 | 505.686 | 509.394 |
| 31) L7 AR-1260-1            | 7.283  | 6.427 | 30214710 | 25313813 | 517.054 | 524.861 |
| 32) L7 AR-1260-2            | 7.537  | 6.615 | 38414643 | 31274552 | 493.680 | 510.158 |
| 33) L7 AR-1260-3            | 7.896  | 6.770 | 31738047 | 29037300 | 507.652 | 482.697 |
| 34) L7 AR-1260-4            | 8.120  | 7.244 | 33029814 | 24263249 | 500.628 | 522.153 |
| 35) L7 AR-1260-5            | 8.443  | 7.483 | 66012339 | 57109170 | 504.196 | 513.825 |
| -----                       |        |       |          |          |         |         |

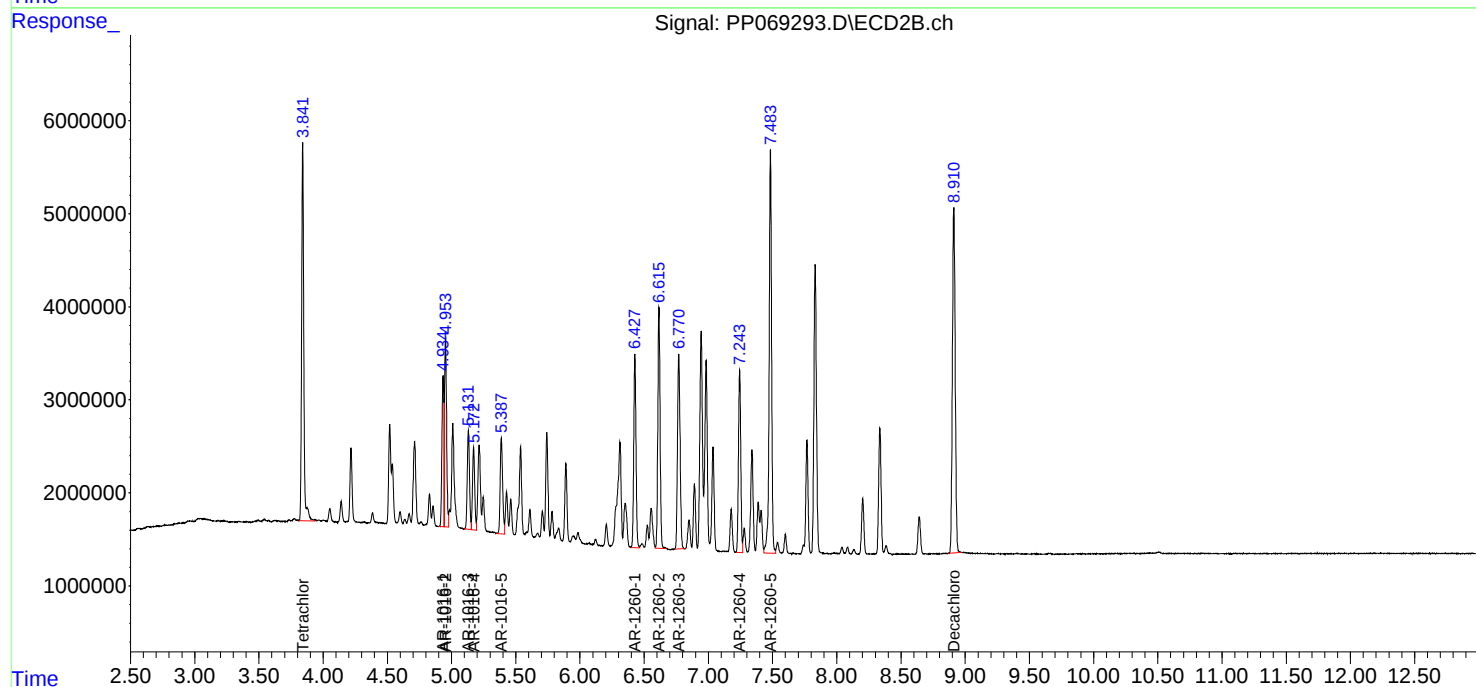
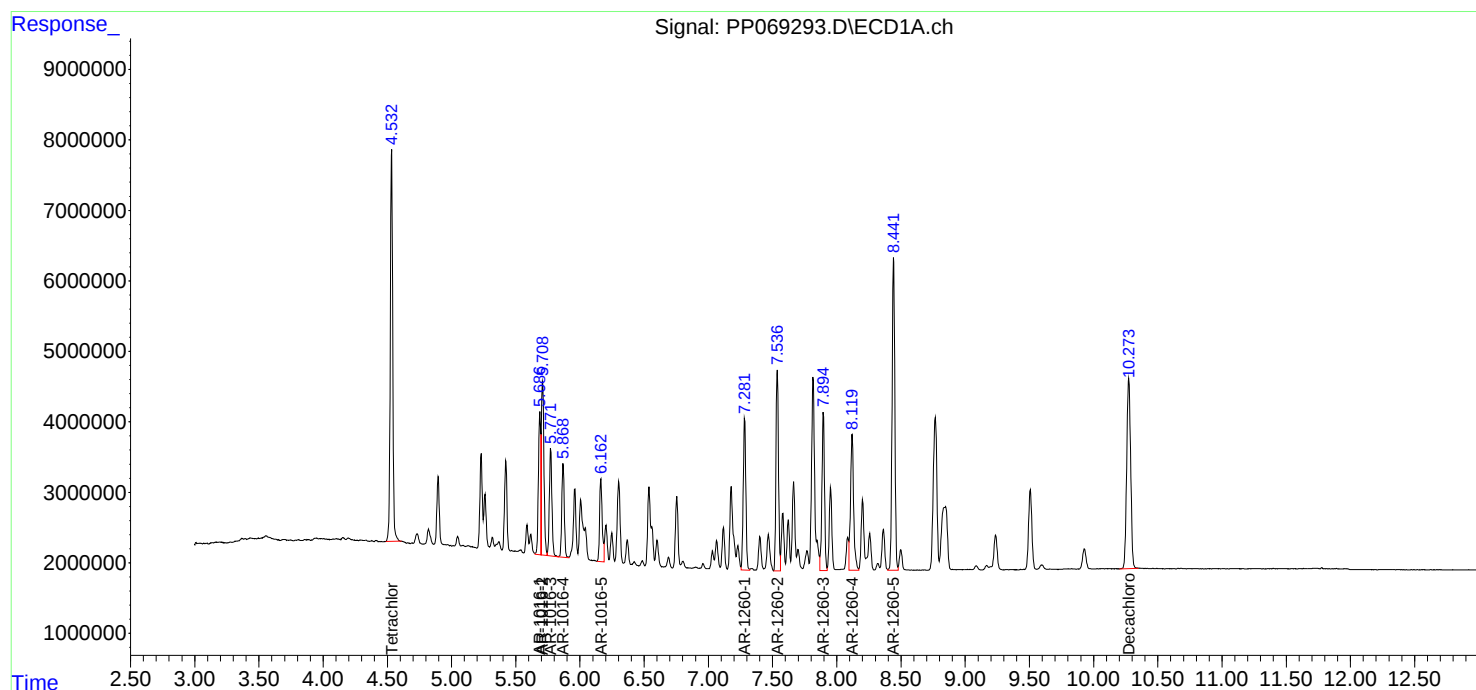
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069293.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 17:47  
Operator : YP\AJ  
Sample : PP012825ICV500  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
ICVPP012825

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:59:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:55:36 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069294.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 18:03  
 Operator : YP\AJ  
 Sample : AR1242ICV500  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 ICVPP012825AR1242

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 18:13:24 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:55:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.538  | 3.840 | 73528508 | 45074660 | 51.365  | 50.502  |
| 2) SA Decachlor...          | 10.279 | 8.910 | 55006808 | 53974487 | 50.331  | 48.257  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 16) L4 AR-1242-1            | 5.692  | 4.933 | 19485743 | 14591085 | 467.225 | 506.072 |
| 17) L4 AR-1242-2            | 5.714  | 4.952 | 30104171 | 19350019 | 510.319 | 491.145 |
| 18) L4 AR-1242-3            | 5.777  | 5.131 | 18082829 | 11274965 | 487.426 | 501.019 |
| 19) L4 AR-1242-4            | 5.874  | 5.215 | 15605992 | 10907868 | 475.870 | 505.409 |
| 20) L4 AR-1242-5            | 6.605  | 5.741 | 17080730 | 14269255 | 524.201 | 496.005 |
| -----                       |        |       |          |          |         |         |

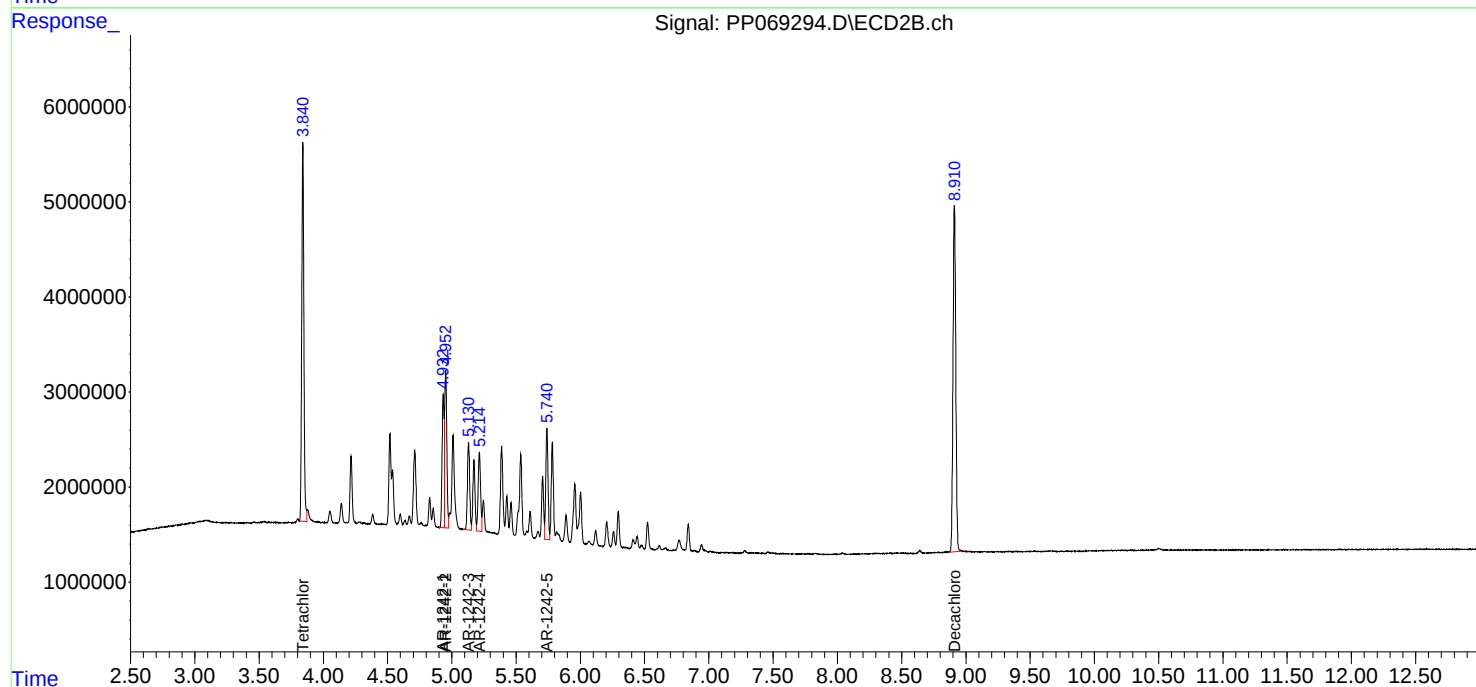
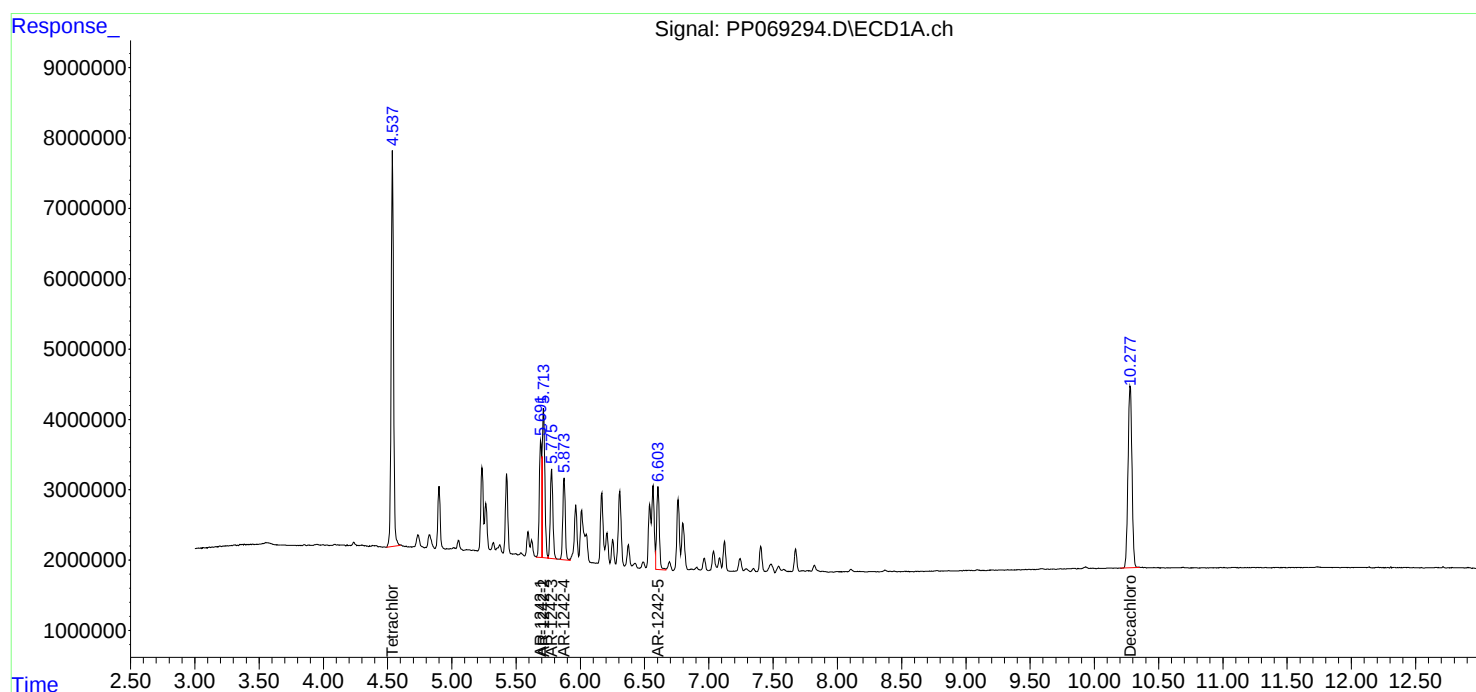
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069294.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 18:03  
Operator : YP\AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
ICVPP012825AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 18:13:24 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:55:36 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069295.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 18:19  
 Operator : YP\AJ  
 Sample : AR1248ICV500  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 ICVPP012825AR1248

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 00:02:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:55:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.840 | 73116696 | 46870709 | 51.078  | 52.514  |
| 2) SA Decachlor...          | 10.276 | 8.911 | 54874423 | 54998654 | 50.210  | 49.172  |
| Target Compounds            |        |       |          |          |         |         |
| 21) L5 AR-1248-1            | 5.689  | 4.933 | 15598439 | 11058451 | 480.854 | 502.416 |
| 22) L5 AR-1248-2            | 5.962  | 5.171 | 21644853 | 14938470 | 509.934 | 496.879 |
| 23) L5 AR-1248-3            | 6.165  | 5.214 | 23663172 | 15456967 | 503.609 | 498.865 |
| 24) L5 AR-1248-4            | 6.564  | 5.387 | 28089077 | 18100081 | 509.587 | 489.937 |
| 25) L5 AR-1248-5            | 6.603  | 5.782 | 26798161 | 19153345 | 501.991 | 512.267 |
| -----                       |        |       |          |          |         |         |

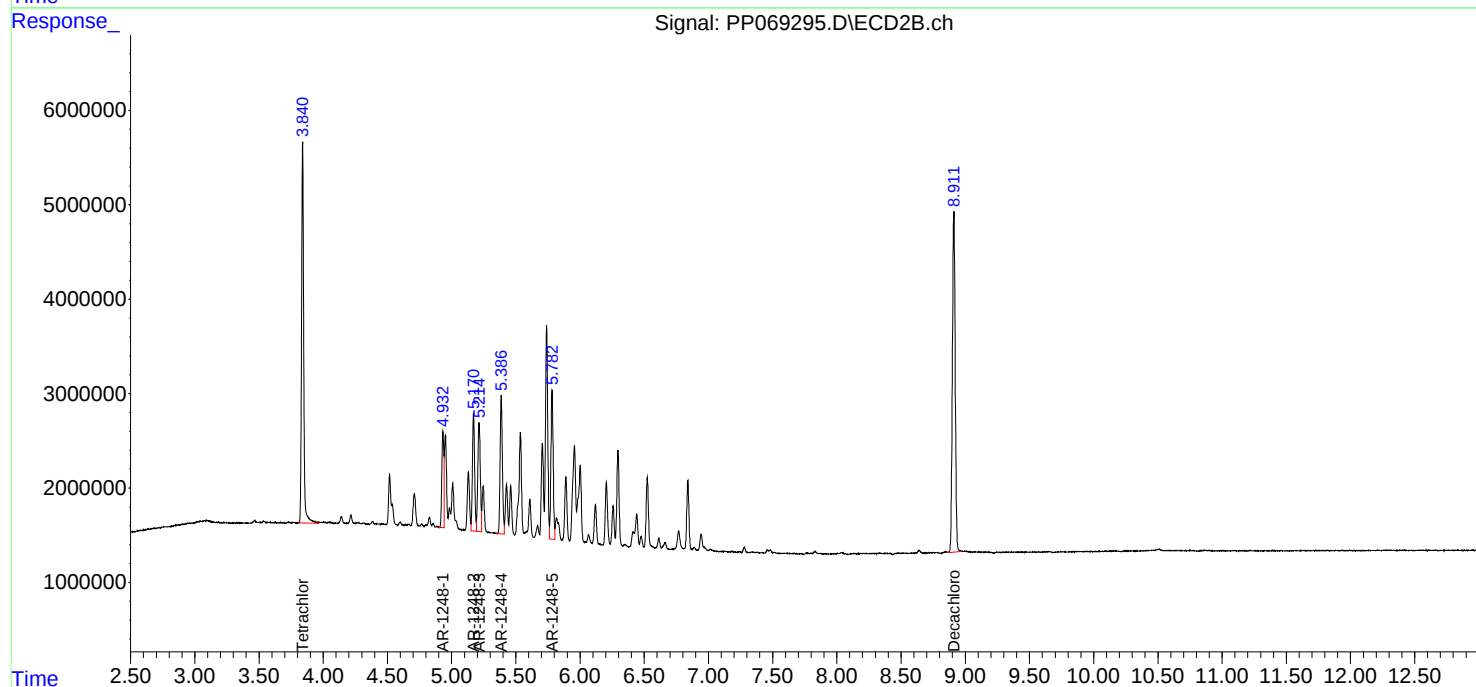
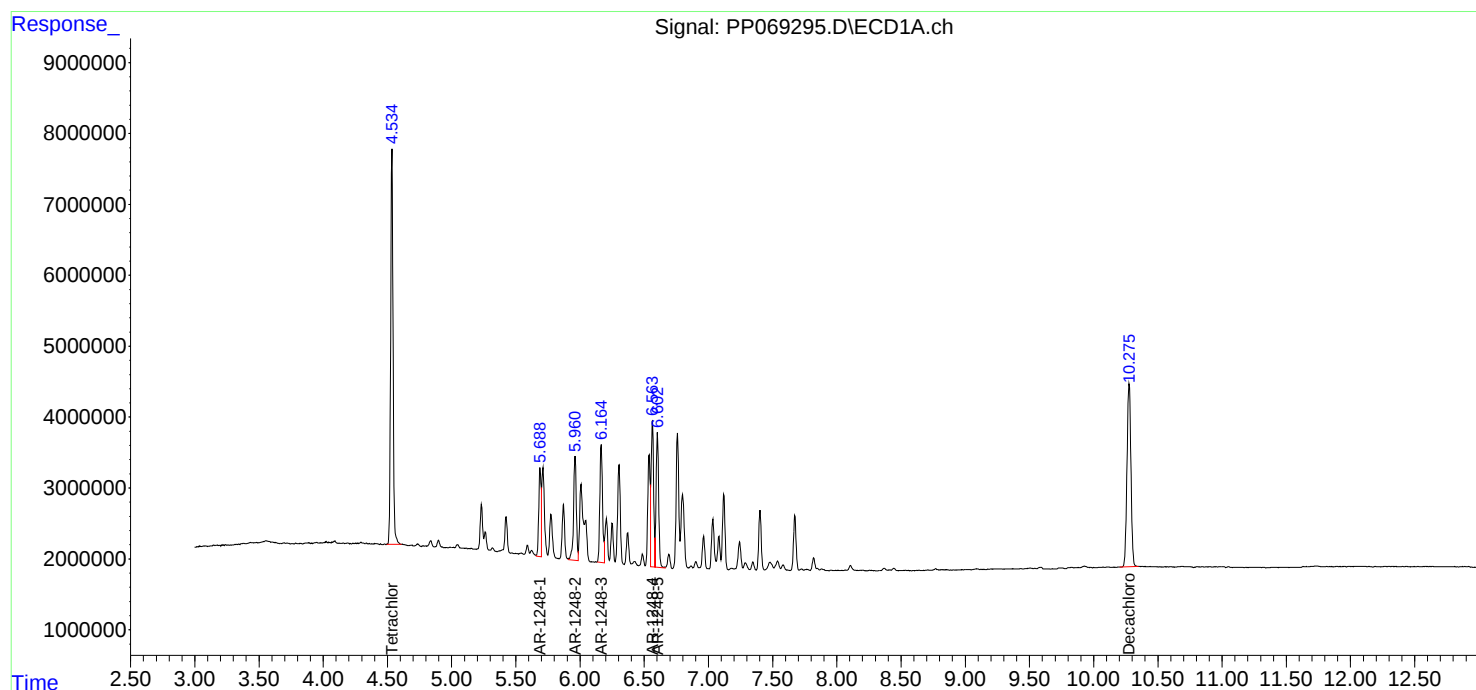
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069295.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 18:19  
Operator : YP\AJ  
Sample : AR1248ICV500  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
ICVPP012825AR1248

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 00:02:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:55:36 2025  
Response via : 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069296.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 18:36  
 Operator : YP\AJ  
 Sample : AR1254ICV500  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 ICVPP012825AR1254

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 00:02:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:55:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.535  | 3.841 | 75219849 | 47633402 | 52.547  | 53.368  |
| 2) SA Decachlor...          | 10.276 | 8.911 | 56766283 | 55190324 | 51.941  | 49.344  |
|                             |        |       |          |          |         |         |
| Target Compounds            |        |       |          |          |         |         |
| 26) L6 AR-1254-1            | 6.540  | 5.742 | 28707670 | 28691321 | 496.126 | 521.132 |
| 27) L6 AR-1254-2            | 6.756  | 5.890 | 41367594 | 25067661 | 515.536 | 518.261 |
| 28) L6 AR-1254-3            | 7.119  | 6.296 | 42558996 | 39270545 | 504.921 | 517.425 |
| 29) L6 AR-1254-4            | 7.401  | 6.524 | 34204619 | 25829239 | 501.623 | 503.988 |
| 30) L6 AR-1254-5            | 7.819  | 6.944 | 35322701 | 34643725 | 519.099 | 520.485 |
| -----                       |        |       |          |          |         |         |

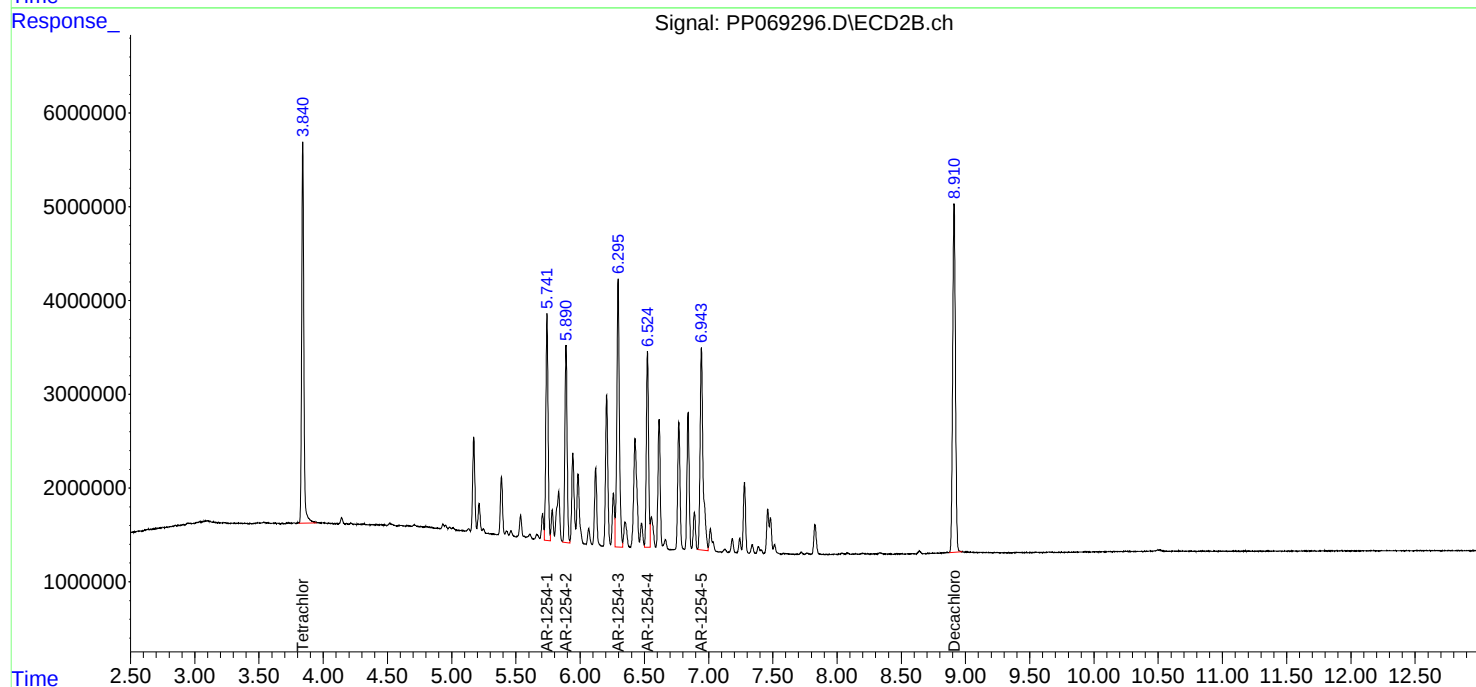
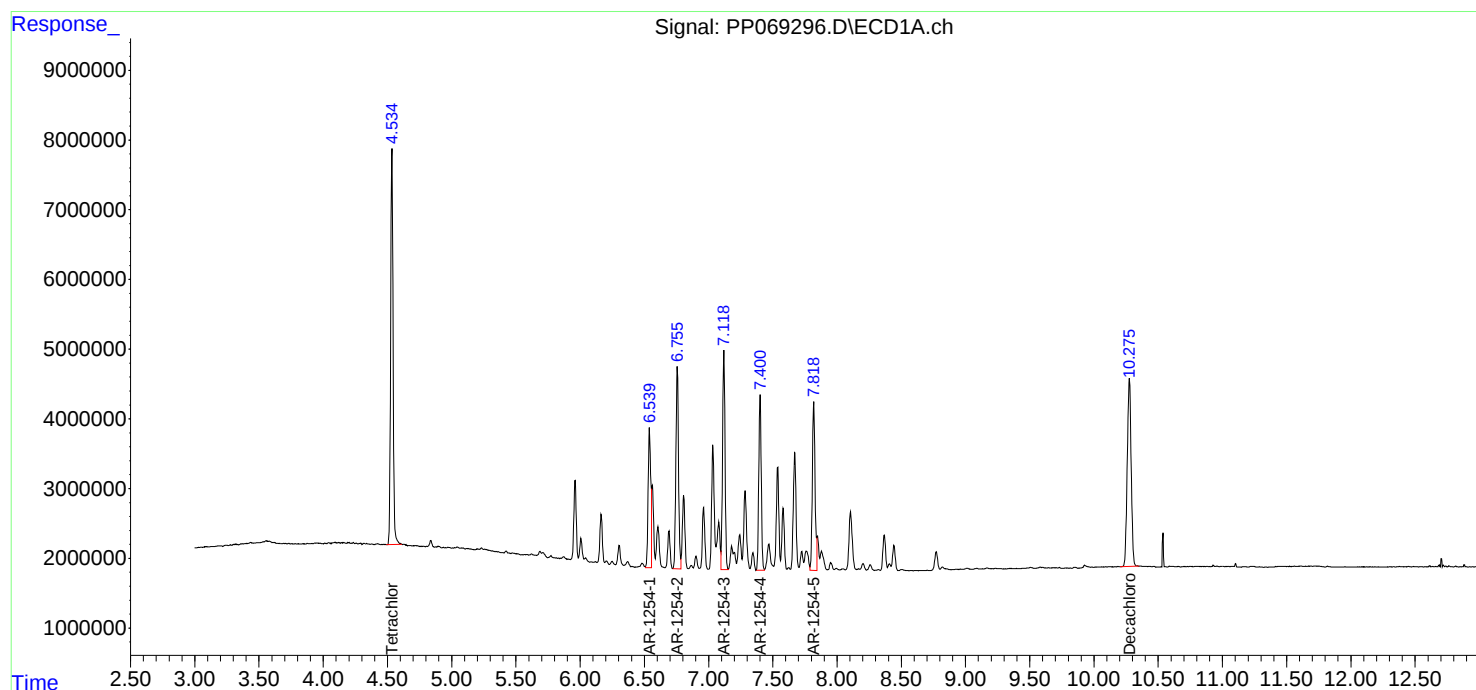
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069296.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 18:36  
Operator : YP\AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
ICVPP012825AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 00:02:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:55:36 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
 Data File : PP069297.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 18:52  
 Operator : YP\AJ  
 Sample : AR1268ICV500  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 ICVPP012825AR1268

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 00:13:31 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:01 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.538  | 3.841 | 77280071 | 49699162 | 50.272  | 50.526  |
| 2) SA Decachlor...          | 10.280 | 8.912 | 95822270 | 95389498 | 49.885  | 49.598  |
| Target Compounds            |        |       |          |          |         |         |
| 41) L9 AR-1268-1            | 8.762  | 7.768 | 96955506 | 80683787 | 502.919 | 499.533 |
| 42) L9 AR-1268-2            | 8.856  | 7.833 | 86693119 | 73752405 | 504.918 | 495.889 |
| 43) L9 AR-1268-3            | 9.091  | 8.041 | 73577850 | 63724602 | 501.283 | 501.698 |
| 44) L9 AR-1268-4            | 9.513  | 8.335 | 33018344 | 29034055 | 510.432 | 493.868 |
| 45) L9 AR-1268-5            | 9.933  | 8.643 | 207.8E6  | 195.6E6  | 501.326 | 499.439 |
| -----                       |        |       |          |          |         |         |

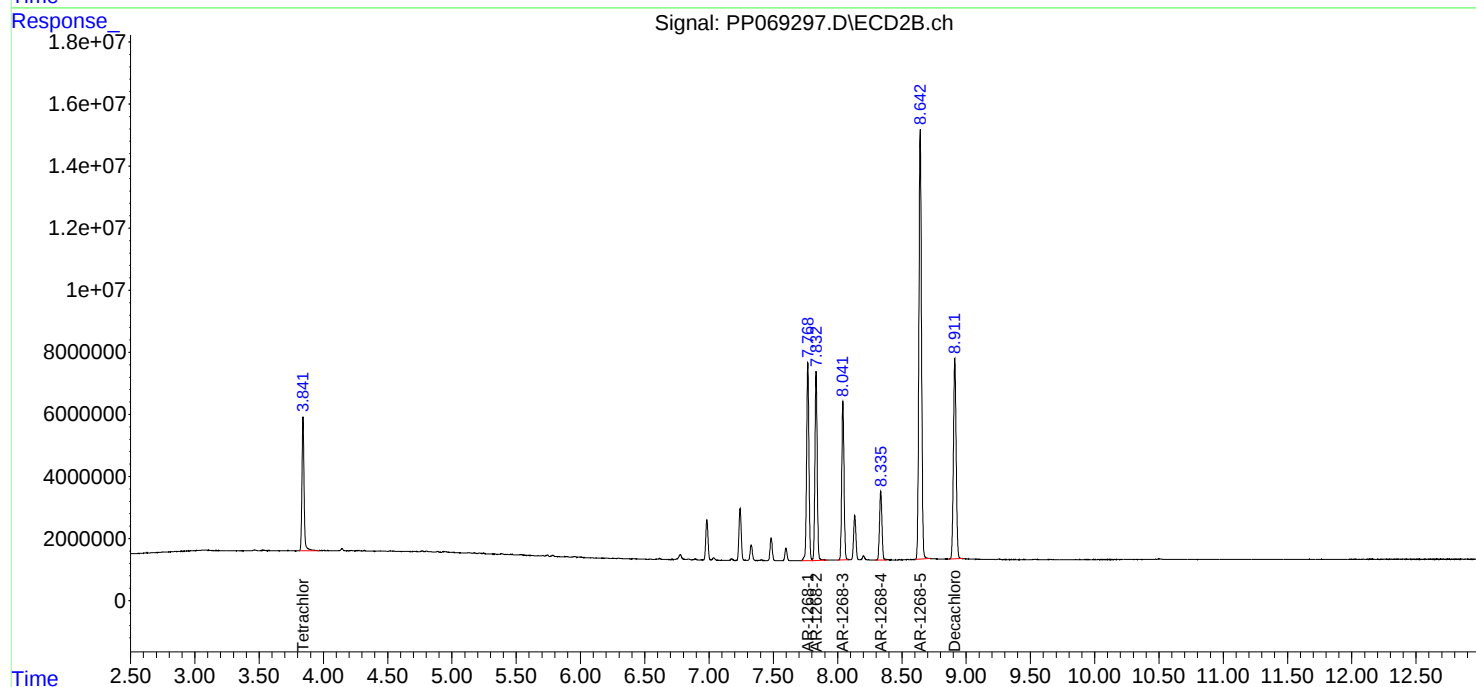
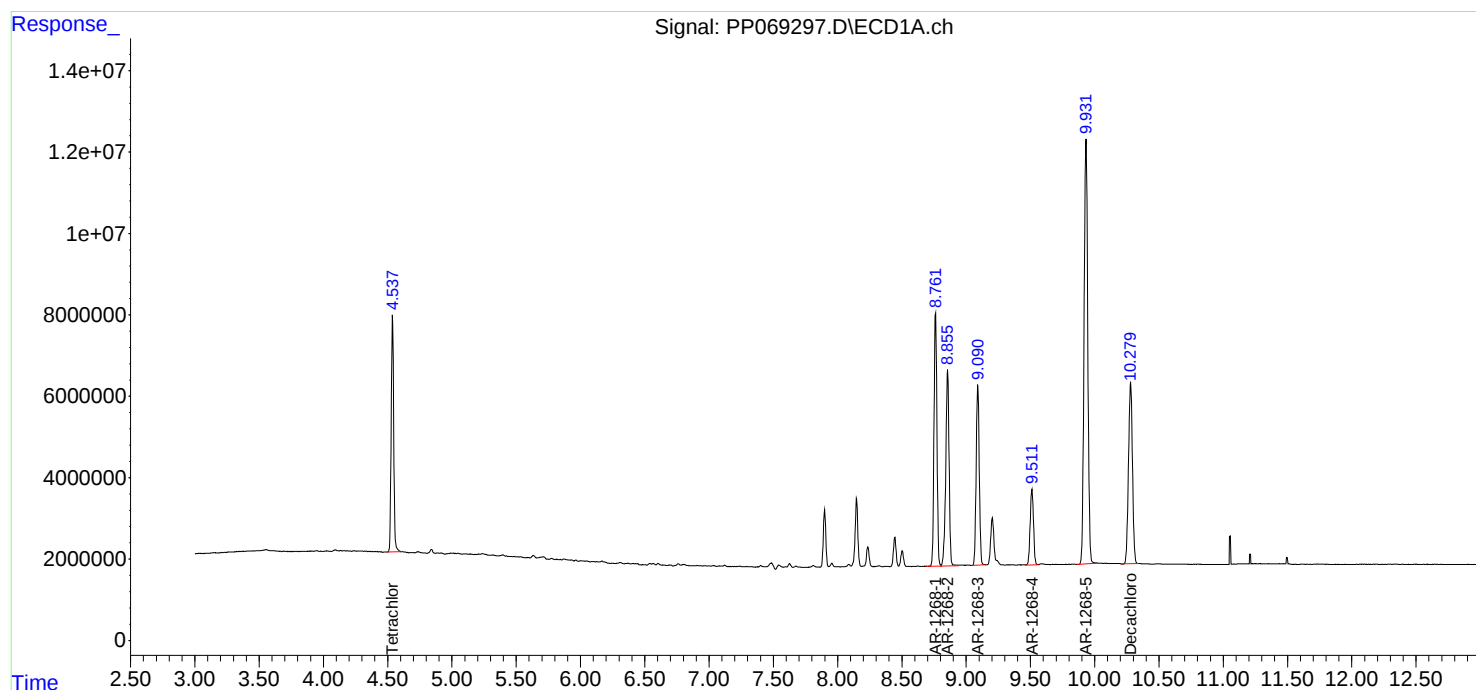
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069297.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 18:52  
Operator : YP\AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
ICVPP012825AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 00:13:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:01 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





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

### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 13:35 Initial Calibration Time(s): 09:37 17:30

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|------------------------|-------|------------|
| Aroclor-1016-1       | (1) | 5.69       | 5.69      | 5.59                   | 5.79  | 0.00       |
| Aroclor-1016-2       | (2) | 5.71       | 5.71      | 5.61                   | 5.81  | 0.00       |
| Aroclor-1016-3       | (3) | 5.77       | 5.78      | 5.68                   | 5.88  | 0.01       |
| Aroclor-1016-4       | (4) | 5.87       | 5.87      | 5.77                   | 5.97  | 0.00       |
| Aroclor-1016-5       | (5) | 6.16       | 6.17      | 6.07                   | 6.27  | 0.01       |
| Aroclor-1260-1       | (1) | 7.28       | 7.29      | 7.19                   | 7.39  | 0.01       |
| Aroclor-1260-2       | (2) | 7.54       | 7.54      | 7.44                   | 7.64  | 0.00       |
| Aroclor-1260-3       | (3) | 7.90       | 7.90      | 7.80                   | 8.00  | 0.00       |
| Aroclor-1260-4       | (4) | 8.12       | 8.13      | 8.03                   | 8.23  | 0.01       |
| Aroclor-1260-5       | (5) | 8.44       | 8.45      | 8.35                   | 8.55  | 0.01       |
| Tetrachloro-m-xylene |     | 4.54       | 4.54      | 4.44                   | 4.64  | 0.00       |
| Decachlorobiphenyl   |     | 10.27      | 10.28     | 10.18                  | 10.38 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 13:35 Initial Calibration Time(s): 09:37 17:30

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) | 4.93       | 4.93      | 4.83      | 5.03 | 0.00       |
| Aroclor-1016-2       | (2) | 4.95       | 4.95      | 4.85      | 5.05 | 0.00       |
| Aroclor-1016-3       | (3) | 5.13       | 5.13      | 5.03      | 5.23 | 0.00       |
| Aroclor-1016-4       | (4) | 5.17       | 5.17      | 5.07      | 5.27 | 0.00       |
| Aroclor-1016-5       | (5) | 5.38       | 5.39      | 5.29      | 5.49 | 0.01       |
| Aroclor-1260-1       | (1) | 6.42       | 6.43      | 6.33      | 6.53 | 0.01       |
| Aroclor-1260-2       | (2) | 6.61       | 6.62      | 6.52      | 6.72 | 0.01       |
| Aroclor-1260-3       | (3) | 6.76       | 6.77      | 6.67      | 6.87 | 0.01       |
| Aroclor-1260-4       | (4) | 7.24       | 7.24      | 7.14      | 7.34 | 0.00       |
| Aroclor-1260-5       | (5) | 7.48       | 7.48      | 7.38      | 7.58 | 0.00       |
| Tetrachloro-m-xylene |     | 3.84       | 3.84      | 3.74      | 3.94 | 0.00       |
| Decachlorobiphenyl   |     | 8.90       | 8.91      | 8.81      | 9.01 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL01 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069603.D Time Analyzed: 13:35

| COMPOUND             | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|--------|----------------------|--------|--------------------|-------------------|------|
| Aroclor-1016-1       | 5.689  | 5.592                | 5.792  | 562.590            | 500.000           | 12.5 |
| Aroclor-1016-2       | 5.711  | 5.614                | 5.814  | 555.890            | 500.000           | 11.2 |
| Aroclor-1016-3       | 5.773  | 5.676                | 5.876  | 540.650            | 500.000           | 8.1  |
| Aroclor-1016-4       | 5.870  | 5.774                | 5.974  | 559.270            | 500.000           | 11.9 |
| Aroclor-1016-5       | 6.164  | 6.067                | 6.267  | 558.340            | 500.000           | 11.7 |
| Aroclor-1260-1       | 7.284  | 7.187                | 7.387  | 560.190            | 500.000           | 12.0 |
| Aroclor-1260-2       | 7.538  | 7.441                | 7.641  | 522.070            | 500.000           | 4.4  |
| Aroclor-1260-3       | 7.896  | 7.800                | 8.000  | 536.850            | 500.000           | 7.4  |
| Aroclor-1260-4       | 8.121  | 8.025                | 8.225  | 516.510            | 500.000           | 3.3  |
| Aroclor-1260-5       | 8.442  | 8.347                | 8.547  | 522.590            | 500.000           | 4.5  |
| Decachlorobiphenyl   | 10.273 | 10.179               | 10.379 | 55.130             | 50.000            | 10.3 |
| Tetrachloro-m-xylene | 4.536  | 4.438                | 4.638  | 57.620             | 50.000            | 15.2 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL01 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069603.D Time Analyzed: 13:35

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Aroclor-1016-1       | 4.930 | 4.834     | 5.034 | 554.420            | 500.000           | 10.9 |
| Aroclor-1016-2       | 4.949 | 4.853     | 5.053 | 551.550            | 500.000           | 10.3 |
| Aroclor-1016-3       | 5.126 | 5.030     | 5.230 | 557.720            | 500.000           | 11.5 |
| Aroclor-1016-4       | 5.168 | 5.072     | 5.272 | 542.010            | 500.000           | 8.4  |
| Aroclor-1016-5       | 5.383 | 5.288     | 5.488 | 543.510            | 500.000           | 8.7  |
| Aroclor-1260-1       | 6.422 | 6.326     | 6.526 | 557.090            | 500.000           | 11.4 |
| Aroclor-1260-2       | 6.610 | 6.515     | 6.715 | 555.810            | 500.000           | 11.2 |
| Aroclor-1260-3       | 6.764 | 6.670     | 6.870 | 515.760            | 500.000           | 3.2  |
| Aroclor-1260-4       | 7.236 | 7.142     | 7.342 | 558.440            | 500.000           | 11.7 |
| Aroclor-1260-5       | 7.477 | 7.384     | 7.584 | 561.960            | 500.000           | 12.4 |
| Decachlorobiphenyl   | 8.902 | 8.811     | 9.011 | 52.430             | 50.000            | 4.9  |
| Tetrachloro-m-xylene | 3.838 | 3.740     | 3.940 | 56.420             | 50.000            | 12.8 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
 Data File : PP069603.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2025 13:35  
 Operator : YP\AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660CCC500

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/10/2025  
 Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 07 13:54:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|--------|-------|----------|----------|---------|----------|
| -----                       |        |       |          |          |         |          |
| System Monitoring Compounds |        |       |          |          |         |          |
| 1) SA Tetrachlo...          | 4.536  | 3.838 | 82478250 | 50352930 | 57.617  | 56.415   |
| 2) SA Decachlor...          | 10.273 | 8.902 | 60247608 | 58639734 | 55.126  | 52.428   |
| Target Compounds            |        |       |          |          |         |          |
| 3) L1 AR-1016-1             | 5.689  | 4.930 | 26066474 | 18082296 | 562.590 | 554.416  |
| 4) L1 AR-1016-2             | 5.711  | 4.949 | 37732558 | 24796807 | 555.894 | 551.550  |
| 5) L1 AR-1016-3             | 5.773  | 5.126 | 23030043 | 13878240 | 540.654 | 557.718  |
| 6) L1 AR-1016-4             | 5.870  | 5.168 | 19574683 | 10946651 | 559.269 | 542.013  |
| 7) L1 AR-1016-5             | 6.164  | 5.383 | 18457825 | 14579129 | 558.338 | 543.513m |
| 31) L7 AR-1260-1            | 7.284  | 6.422 | 32735215 | 26868256 | 560.187 | 557.091  |
| 32) L7 AR-1260-2            | 7.538  | 6.610 | 40623932 | 34073104 | 522.072 | 555.808  |
| 33) L7 AR-1260-3            | 7.896  | 6.764 | 33563212 | 31026466 | 536.846 | 515.763m |
| 34) L7 AR-1260-4            | 8.121  | 7.236 | 34077604 | 25949363 | 516.509 | 558.439  |
| 35) L7 AR-1260-5            | 8.442  | 7.477 | 68420980 | 62458818 | 522.593 | 561.958  |
| -----                       |        |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069603.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 13:35  
Operator : YP\AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

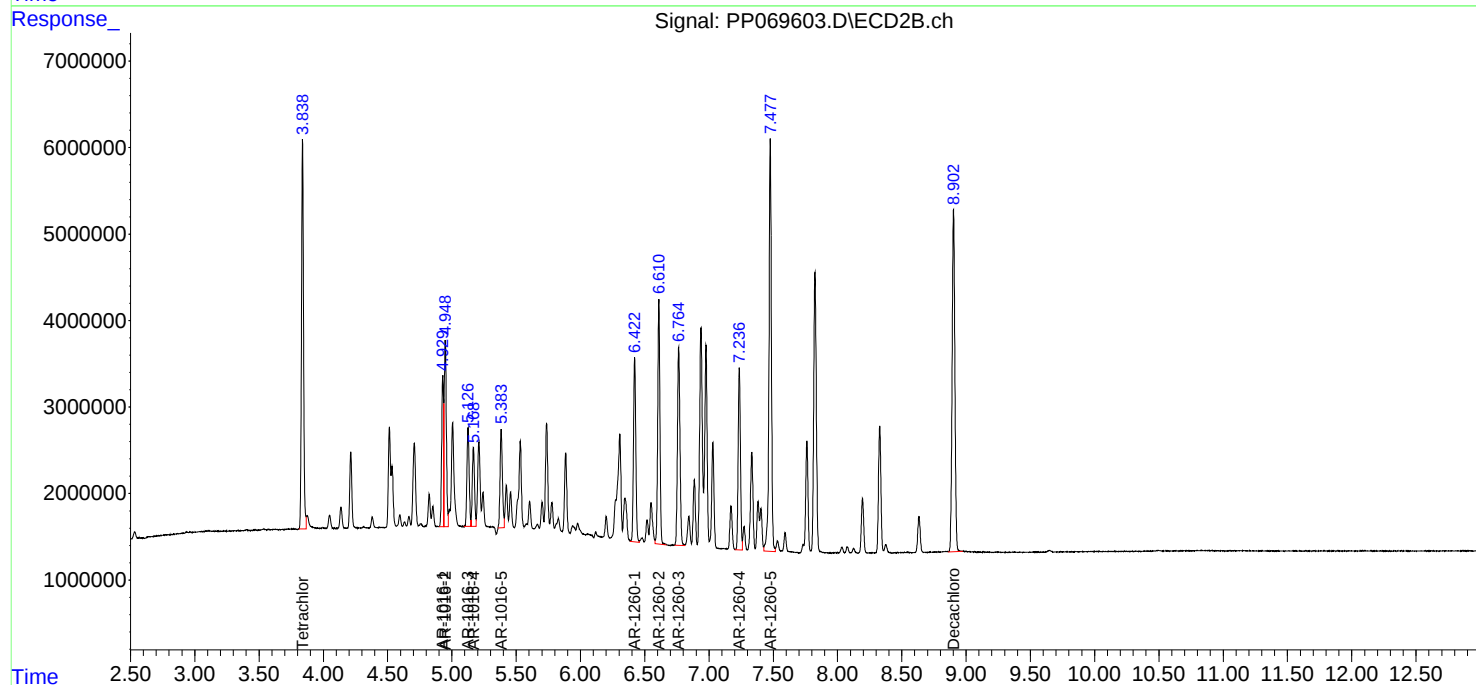
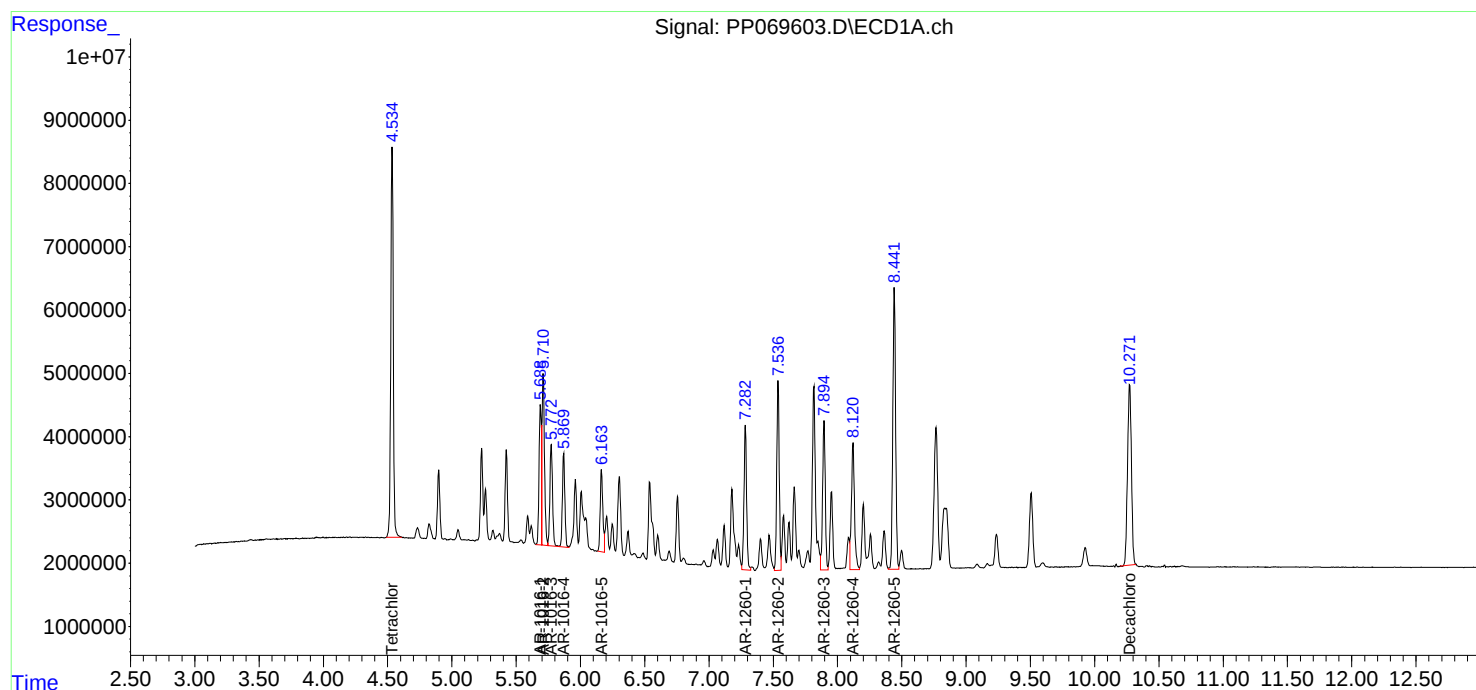
Instrument :  
ECD\_P  
ClientSampleId :  
AR1660CCC500

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/10/2025  
Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 07 13:54:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





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### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 19:45 Initial Calibration Time(s): 09:37 17:30

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|------------------------|-------|------------|
| Aroclor-1016-1       | (1) | 5.69       | 5.69      | 5.59                   | 5.79  | 0.00       |
| Aroclor-1016-2       | (2) | 5.71       | 5.71      | 5.61                   | 5.81  | 0.00       |
| Aroclor-1016-3       | (3) | 5.77       | 5.78      | 5.68                   | 5.88  | 0.01       |
| Aroclor-1016-4       | (4) | 5.87       | 5.87      | 5.77                   | 5.97  | 0.00       |
| Aroclor-1016-5       | (5) | 6.16       | 6.17      | 6.07                   | 6.27  | 0.01       |
| Aroclor-1260-1       | (1) | 7.28       | 7.29      | 7.19                   | 7.39  | 0.01       |
| Aroclor-1260-2       | (2) | 7.53       | 7.54      | 7.44                   | 7.64  | 0.01       |
| Aroclor-1260-3       | (3) | 7.89       | 7.90      | 7.80                   | 8.00  | 0.01       |
| Aroclor-1260-4       | (4) | 8.12       | 8.13      | 8.03                   | 8.23  | 0.01       |
| Aroclor-1260-5       | (5) | 8.44       | 8.45      | 8.35                   | 8.55  | 0.01       |
| Tetrachloro-m-xylene |     | 4.54       | 4.54      | 4.44                   | 4.64  | 0.01       |
| Decachlorobiphenyl   |     | 10.26      | 10.28     | 10.18                  | 10.38 | 0.02       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Continuing Calib Date: 02/07/2025 Initial Calibration Date(s): 01/28/2025 01/28/2025

Continuing Calib Time: 19:45 Initial Calibration Time(s): 09:37 17:30

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|------------------------|------|------------|
| Aroclor-1016-1       | (1) | 4.93       | 4.93      | 4.83                   | 5.03 | 0.00       |
| Aroclor-1016-2       | (2) | 4.95       | 4.95      | 4.85                   | 5.05 | 0.00       |
| Aroclor-1016-3       | (3) | 5.12       | 5.13      | 5.03                   | 5.23 | 0.01       |
| Aroclor-1016-4       | (4) | 5.17       | 5.17      | 5.07                   | 5.27 | 0.00       |
| Aroclor-1016-5       | (5) | 5.38       | 5.39      | 5.29                   | 5.49 | 0.01       |
| Aroclor-1260-1       | (1) | 6.42       | 6.43      | 6.33                   | 6.53 | 0.01       |
| Aroclor-1260-2       | (2) | 6.61       | 6.62      | 6.52                   | 6.72 | 0.01       |
| Aroclor-1260-3       | (3) | 6.76       | 6.77      | 6.67                   | 6.87 | 0.01       |
| Aroclor-1260-4       | (4) | 7.23       | 7.24      | 7.14                   | 7.34 | 0.01       |
| Aroclor-1260-5       | (5) | 7.48       | 7.48      | 7.38                   | 7.58 | 0.01       |
| Tetrachloro-m-xylene |     | 3.84       | 3.84      | 3.74                   | 3.94 | 0.00       |
| Decachlorobiphenyl   |     | 8.90       | 8.91      | 8.81                   | 9.01 | 0.01       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL02 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069617.D Time Analyzed: 19:45

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|--------|-----------|--------|--------------------|-------------------|------|
|                      |        | FROM      | TO     |                    |                   |      |
| Aroclor-1016-1       | 5.687  | 5.592     | 5.792  | 546.340            | 500.000           | 9.3  |
| Aroclor-1016-2       | 5.709  | 5.614     | 5.814  | 550.630            | 500.000           | 10.1 |
| Aroclor-1016-3       | 5.772  | 5.676     | 5.876  | 537.240            | 500.000           | 7.4  |
| Aroclor-1016-4       | 5.869  | 5.774     | 5.974  | 546.830            | 500.000           | 9.4  |
| Aroclor-1016-5       | 6.161  | 6.067     | 6.267  | 546.940            | 500.000           | 9.4  |
| Aroclor-1260-1       | 7.280  | 7.187     | 7.387  | 554.520            | 500.000           | 10.9 |
| Aroclor-1260-2       | 7.534  | 7.441     | 7.641  | 522.170            | 500.000           | 4.4  |
| Aroclor-1260-3       | 7.893  | 7.800     | 8.000  | 534.210            | 500.000           | 6.8  |
| Aroclor-1260-4       | 8.117  | 8.025     | 8.225  | 514.170            | 500.000           | 2.8  |
| Aroclor-1260-5       | 8.438  | 8.347     | 8.547  | 516.030            | 500.000           | 3.2  |
| Decachlorobiphenyl   | 10.264 | 10.179    | 10.379 | 54.890             | 50.000            | 9.8  |
| Tetrachloro-m-xylene | 4.535  | 4.438     | 4.638  | 56.360             | 50.000            | 12.7 |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/28/2025 01/28/2025

Client Sample No.: CCAL02 Date Analyzed: 02/07/2025

Lab Sample No.: AR1660CCC500 Data File : PP069617.D Time Analyzed: 19:45

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Aroclor-1016-1       | 4.928 | 4.834     | 5.034 | 549.010            | 500.000           | 9.8  |
| Aroclor-1016-2       | 4.947 | 4.853     | 5.053 | 547.990            | 500.000           | 9.6  |
| Aroclor-1016-3       | 5.124 | 5.030     | 5.230 | 550.750            | 500.000           | 10.2 |
| Aroclor-1016-4       | 5.166 | 5.072     | 5.272 | 533.160            | 500.000           | 6.6  |
| Aroclor-1016-5       | 5.381 | 5.288     | 5.488 | 547.650            | 500.000           | 9.5  |
| Aroclor-1260-1       | 6.418 | 6.326     | 6.526 | 575.420            | 500.000           | 15.1 |
| Aroclor-1260-2       | 6.607 | 6.515     | 6.715 | 571.790            | 500.000           | 14.4 |
| Aroclor-1260-3       | 6.761 | 6.670     | 6.870 | 496.600            | 500.000           | -0.7 |
| Aroclor-1260-4       | 7.234 | 7.142     | 7.342 | 559.340            | 500.000           | 11.9 |
| Aroclor-1260-5       | 7.475 | 7.384     | 7.584 | 559.740            | 500.000           | 11.9 |
| Decachlorobiphenyl   | 8.898 | 8.811     | 9.011 | 53.340             | 50.000            | 6.7  |
| Tetrachloro-m-xylene | 3.837 | 3.740     | 3.940 | 55.200             | 50.000            | 10.4 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
 Data File : PP069617.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2025 19:45  
 Operator : YP\AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 AR1660CCC500

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/10/2025  
 Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 08 00:13:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|--------|-------|----------|----------|---------|----------|
| -----                       |        |       |          |          |         |          |
| System Monitoring Compounds |        |       |          |          |         |          |
| 1) SA Tetrachlo...          | 4.535  | 3.837 | 80682976 | 49270263 | 56.363  | 55.202   |
| 2) SA Decachlor...          | 10.264 | 8.898 | 59991939 | 59659202 | 54.893  | 53.339   |
| Target Compounds            |        |       |          |          |         |          |
| 3) L1 AR-1016-1             | 5.687  | 4.928 | 25313459 | 17906120 | 546.338 | 549.014  |
| 4) L1 AR-1016-2             | 5.709  | 4.947 | 37374899 | 24636849 | 550.625 | 547.992  |
| 5) L1 AR-1016-3             | 5.772  | 5.124 | 22884611 | 13704807 | 537.240 | 550.748  |
| 6) L1 AR-1016-4             | 5.869  | 5.166 | 19139176 | 10767928 | 546.826 | 533.164  |
| 7) L1 AR-1016-5             | 6.161  | 5.381 | 18081189 | 14690236 | 546.945 | 547.655m |
| 31) L7 AR-1260-1            | 7.280  | 6.418 | 32404299 | 27752129 | 554.524 | 575.418  |
| 32) L7 AR-1260-2            | 7.534  | 6.607 | 40631887 | 35052753 | 522.174 | 571.789  |
| 33) L7 AR-1260-3            | 7.893  | 6.761 | 33398462 | 29873939 | 534.211 | 496.604  |
| 34) L7 AR-1260-4            | 8.117  | 7.234 | 33923155 | 25991241 | 514.168 | 559.340  |
| 35) L7 AR-1260-5            | 8.438  | 7.475 | 67562039 | 62212850 | 516.033 | 559.745  |
| -----                       |        |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069617.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 19:45  
Operator : YP\AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

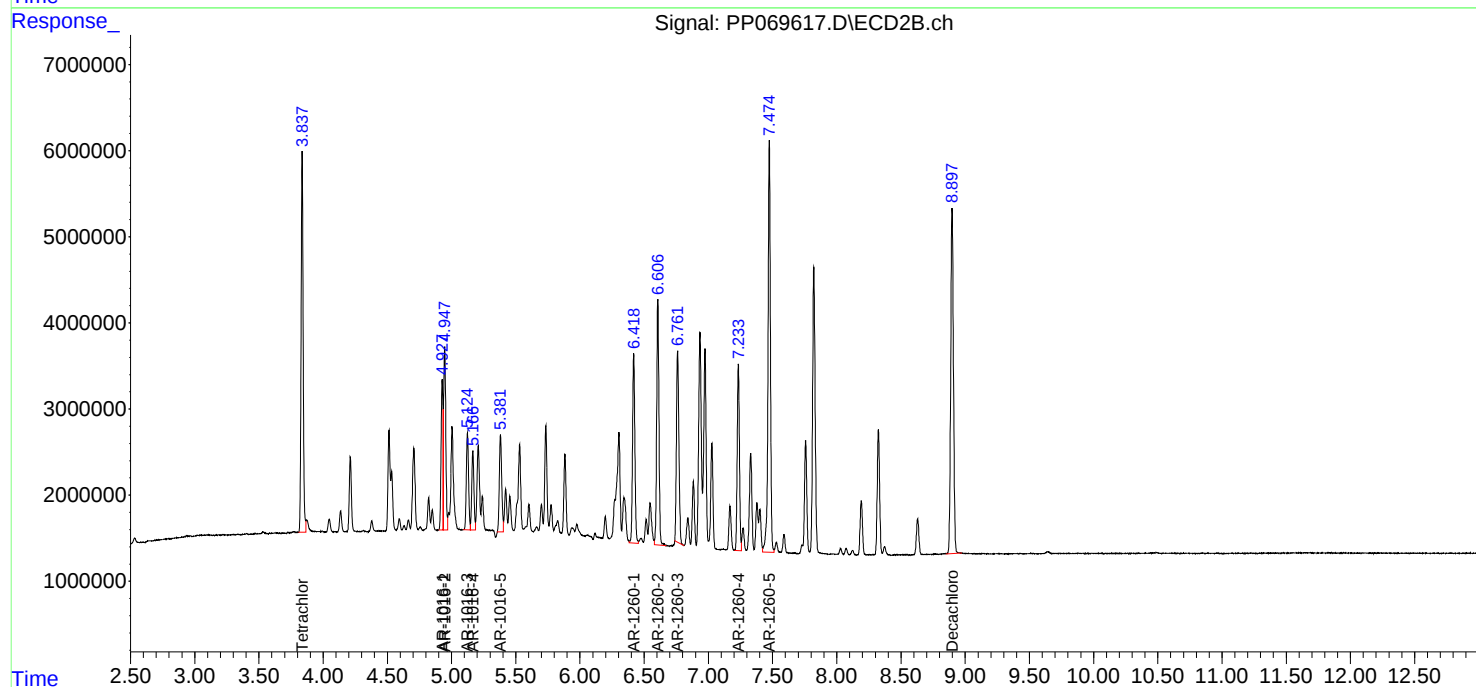
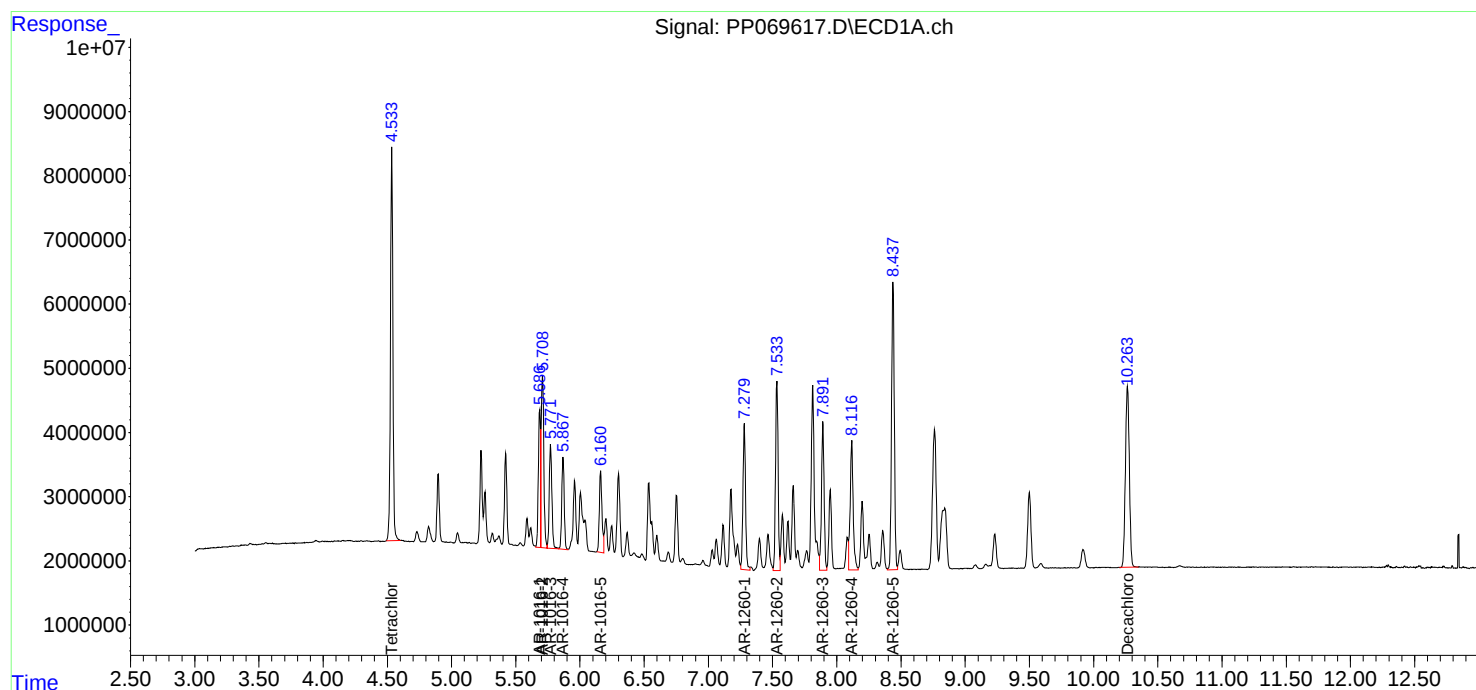
Instrument :  
ECD\_P  
ClientSampleId :  
AR1660CCC500

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/10/2025  
Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:13:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



## Analytical Sequence

|                                                   |                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------|
| Client: Spectra East Inc.                         | SDG No.: Q1322                                                      |
| Project: Outfall 001 - Orangetown Dis Permit 2025 | Instrument ID: ECD_P                                                |
| GC Column: ZB-MR1                                 | ID: 0.32 (mm)      Inst. Calib. Date(s): 01/28/2025      01/28/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/28/2025       | 09:21            | PP069264.D | 10.28       | 4.54        |
| AR1660ICC1000     | AR1660ICC1000    | 01/28/2025       | 09:37            | PP069265.D | 10.28       | 4.54        |
| AR1660ICC750      | AR1660ICC750     | 01/28/2025       | 09:54            | PP069266.D | 10.28       | 4.54        |
| AR1660ICC500      | AR1660ICC500     | 01/28/2025       | 10:10            | PP069267.D | 10.28       | 4.54        |
| AR1660ICC250      | AR1660ICC250     | 01/28/2025       | 10:26            | PP069268.D | 10.28       | 4.53        |
| AR1660ICC050      | AR1660ICC050     | 01/28/2025       | 11:15            | PP069269.D | 10.28       | 4.54        |
| AR1221ICC500      | AR1221ICC500     | 01/28/2025       | 11:32            | PP069270.D | 10.28       | 4.54        |
| AR1232ICC500      | AR1232ICC500     | 01/28/2025       | 11:48            | PP069271.D | 10.28       | 4.53        |
| AR1242ICC1000     | AR1242ICC1000    | 01/28/2025       | 12:04            | PP069272.D | 10.28       | 4.54        |
| AR1242ICC750      | AR1242ICC750     | 01/28/2025       | 12:21            | PP069273.D | 10.28       | 4.54        |
| AR1242ICC500      | AR1242ICC500     | 01/28/2025       | 12:37            | PP069274.D | 10.28       | 4.54        |
| AR1242ICC250      | AR1242ICC250     | 01/28/2025       | 12:53            | PP069275.D | 10.28       | 4.54        |
| AR1242ICC050      | AR1242ICC050     | 01/28/2025       | 13:09            | PP069276.D | 10.28       | 4.54        |
| AR1248ICC1000     | AR1248ICC1000    | 01/28/2025       | 13:26            | PP069277.D | 10.28       | 4.54        |
| AR1248ICC750      | AR1248ICC750     | 01/28/2025       | 13:42            | PP069278.D | 10.28       | 4.54        |
| AR1248ICC500      | AR1248ICC500     | 01/28/2025       | 13:58            | PP069279.D | 10.28       | 4.54        |
| AR1248ICC250      | AR1248ICC250     | 01/28/2025       | 14:15            | PP069280.D | 10.28       | 4.54        |
| AR1248ICC050      | AR1248ICC050     | 01/28/2025       | 14:31            | PP069281.D | 10.28       | 4.54        |
| AR1254ICC1000     | AR1254ICC1000    | 01/28/2025       | 14:47            | PP069282.D | 10.28       | 4.54        |
| AR1254ICC750      | AR1254ICC750     | 01/28/2025       | 15:04            | PP069283.D | 10.28       | 4.54        |
| AR1254ICC500      | AR1254ICC500     | 01/28/2025       | 15:20            | PP069284.D | 10.28       | 4.53        |
| AR1254ICC250      | AR1254ICC250     | 01/28/2025       | 15:36            | PP069285.D | 10.28       | 4.54        |
| AR1254ICC050      | AR1254ICC050     | 01/28/2025       | 15:53            | PP069286.D | 10.28       | 4.54        |
| AR1262ICC500      | AR1262ICC500     | 01/28/2025       | 16:09            | PP069287.D | 10.28       | 4.54        |
| AR1268ICC1000     | AR1268ICC1000    | 01/28/2025       | 16:25            | PP069288.D | 10.28       | 4.54        |
| AR1268ICC750      | AR1268ICC750     | 01/28/2025       | 16:42            | PP069289.D | 10.28       | 4.54        |
| AR1268ICC500      | AR1268ICC500     | 01/28/2025       | 16:58            | PP069290.D | 10.28       | 4.54        |
| AR1268ICC250      | AR1268ICC250     | 01/28/2025       | 17:14            | PP069291.D | 10.29       | 4.55        |
| AR1268ICC050      | AR1268ICC050     | 01/28/2025       | 17:30            | PP069292.D | 10.28       | 4.54        |
| AR1660CCC500      | AR1660CCC500     | 02/07/2025       | 13:35            | PP069603.D | 10.27       | 4.54        |
| IBLK              | IBLK             | 02/07/2025       | 14:40            | PP069607.D | 10.27       | 4.53        |
| PB166608BL        | PB166608BL       | 02/07/2025       | 16:57            | PP069608.D | 10.27       | 4.53        |
| PB166608BS        | PB166608BS       | 02/07/2025       | 17:13            | PP069609.D | 10.27       | 4.54        |
| PB166608BSD       | PB166608BSD      | 02/07/2025       | 17:30            | PP069610.D | 10.27       | 4.54        |
| MANHOLE           | Q1322-01         | 02/07/2025       | 18:35            | PP069614.D | 10.27       | 4.53        |
| AR1660CCC500      | AR1660CCC500     | 02/07/2025       | 19:45            | PP069617.D | 10.26       | 4.54        |
| IBLK              | IBLK             | 02/07/2025       | 20:50            | PP069621.D | 10.27       | 4.53        |

## Analytical Sequence

|                                                   |                                                                     |
|---------------------------------------------------|---------------------------------------------------------------------|
| Client: Spectra East Inc.                         | SDG No.: Q1322                                                      |
| Project: Outfall 001 - Orangetown Dis Permit 2025 | Instrument ID: ECD_P                                                |
| GC Column: ZB-MR2                                 | ID: 0.32 (mm)      Inst. Calib. Date(s): 01/28/2025      01/28/2025 |

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,  
AND STANDARDS IS GIVEN BELOW:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 01/28/2025       | 09:21            | PP069264.D | 8.91        | 3.84        |
| AR1660ICC1000     | AR1660ICC1000    | 01/28/2025       | 09:37            | PP069265.D | 8.91        | 3.84        |
| AR1660ICC750      | AR1660ICC750     | 01/28/2025       | 09:54            | PP069266.D | 8.91        | 3.84        |
| AR1660ICC500      | AR1660ICC500     | 01/28/2025       | 10:10            | PP069267.D | 8.91        | 3.84        |
| AR1660ICC250      | AR1660ICC250     | 01/28/2025       | 10:26            | PP069268.D | 8.91        | 3.84        |
| AR1660ICC050      | AR1660ICC050     | 01/28/2025       | 11:15            | PP069269.D | 8.91        | 3.84        |
| AR1221ICC500      | AR1221ICC500     | 01/28/2025       | 11:32            | PP069270.D | 8.91        | 3.84        |
| AR1232ICC500      | AR1232ICC500     | 01/28/2025       | 11:48            | PP069271.D | 8.91        | 3.84        |
| AR1242ICC1000     | AR1242ICC1000    | 01/28/2025       | 12:04            | PP069272.D | 8.91        | 3.84        |
| AR1242ICC750      | AR1242ICC750     | 01/28/2025       | 12:21            | PP069273.D | 8.91        | 3.84        |
| AR1242ICC500      | AR1242ICC500     | 01/28/2025       | 12:37            | PP069274.D | 8.91        | 3.84        |
| AR1242ICC250      | AR1242ICC250     | 01/28/2025       | 12:53            | PP069275.D | 8.91        | 3.84        |
| AR1242ICC050      | AR1242ICC050     | 01/28/2025       | 13:09            | PP069276.D | 8.91        | 3.84        |
| AR1248ICC1000     | AR1248ICC1000    | 01/28/2025       | 13:26            | PP069277.D | 8.91        | 3.84        |
| AR1248ICC750      | AR1248ICC750     | 01/28/2025       | 13:42            | PP069278.D | 8.91        | 3.84        |
| AR1248ICC500      | AR1248ICC500     | 01/28/2025       | 13:58            | PP069279.D | 8.91        | 3.84        |
| AR1248ICC250      | AR1248ICC250     | 01/28/2025       | 14:15            | PP069280.D | 8.91        | 3.84        |
| AR1248ICC050      | AR1248ICC050     | 01/28/2025       | 14:31            | PP069281.D | 8.91        | 3.84        |
| AR1254ICC1000     | AR1254ICC1000    | 01/28/2025       | 14:47            | PP069282.D | 8.91        | 3.84        |
| AR1254ICC750      | AR1254ICC750     | 01/28/2025       | 15:04            | PP069283.D | 8.91        | 3.84        |
| AR1254ICC500      | AR1254ICC500     | 01/28/2025       | 15:20            | PP069284.D | 8.91        | 3.84        |
| AR1254ICC250      | AR1254ICC250     | 01/28/2025       | 15:36            | PP069285.D | 8.91        | 3.84        |
| AR1254ICC050      | AR1254ICC050     | 01/28/2025       | 15:53            | PP069286.D | 8.91        | 3.84        |
| AR1262ICC500      | AR1262ICC500     | 01/28/2025       | 16:09            | PP069287.D | 8.91        | 3.84        |
| AR1268ICC1000     | AR1268ICC1000    | 01/28/2025       | 16:25            | PP069288.D | 8.91        | 3.84        |
| AR1268ICC750      | AR1268ICC750     | 01/28/2025       | 16:42            | PP069289.D | 8.91        | 3.84        |
| AR1268ICC500      | AR1268ICC500     | 01/28/2025       | 16:58            | PP069290.D | 8.91        | 3.84        |
| AR1268ICC250      | AR1268ICC250     | 01/28/2025       | 17:14            | PP069291.D | 8.91        | 3.84        |
| AR1268ICC050      | AR1268ICC050     | 01/28/2025       | 17:30            | PP069292.D | 8.91        | 3.84        |
| AR1660CCC500      | AR1660CCC500     | 02/07/2025       | 13:35            | PP069603.D | 8.90        | 3.84        |
| IBLK              | IBLK             | 02/07/2025       | 14:40            | PP069607.D | 8.90        | 3.84        |
| PB166608BL        | PB166608BL       | 02/07/2025       | 16:57            | PP069608.D | 8.90        | 3.84        |
| PB166608BS        | PB166608BS       | 02/07/2025       | 17:13            | PP069609.D | 8.90        | 3.84        |
| PB166608BSD       | PB166608BSD      | 02/07/2025       | 17:30            | PP069610.D | 8.90        | 3.84        |
| MANHOLE           | Q1322-01         | 02/07/2025       | 18:35            | PP069614.D | 8.90        | 3.84        |
| AR1660CCC500      | AR1660CCC500     | 02/07/2025       | 19:45            | PP069617.D | 8.90        | 3.84        |
| IBLK              | IBLK             | 02/07/2025       | 20:50            | PP069621.D | 8.90        | 3.84        |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166608BS

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Lab Sample ID: PB166608BS Date(s) Analyzed: 02/07/2025 02/07/2025

Instrument ID (1): ECD\_P Instrument ID (2): ECD\_P

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

Data file PP069609.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 5.689 | 5.639     | 5.739 | 5.00          | 5.00                  | 2.02 |
| COLUMN 1     | 2   | 5.711 | 5.661     | 5.761 | 5.08          |                       |      |
|              | 3   | 5.774 | 5.724     | 5.824 | 4.98          |                       |      |
|              | 4   | 5.871 | 5.821     | 5.921 | 5.15          |                       |      |
|              | 5   | 6.164 | 6.114     | 6.214 | 4.86          |                       |      |
|              | 1   | 4.93  | 4.88      | 4.98  | 4.93          |                       |      |
| COLUMN 2     | 2   | 4.949 | 4.899     | 4.999 | 4.90          | 4.90                  |      |
|              | 3   | 5.126 | 5.076     | 5.176 | 5.00          |                       |      |
|              | 4   | 5.168 | 5.118     | 5.218 | 4.89          |                       |      |
|              | 5   | 5.383 | 5.333     | 5.433 | 4.78          |                       |      |
|              |     |       |           |       |               |                       |      |
| Aroclor-1260 | 1   | 7.283 | 7.233     | 7.333 | 5.01          | 4.50                  | 6.45 |
| COLUMN 1     | 2   | 7.537 | 7.487     | 7.587 | 4.76          |                       |      |
|              | 3   | 7.895 | 7.845     | 7.945 | 4.09          |                       |      |
|              | 4   | 8.12  | 8.07      | 8.17  | 4.28          |                       |      |
|              | 5   | 8.441 | 8.391     | 8.491 | 4.22          |                       |      |
|              | 1   | 6.422 | 6.372     | 6.472 | 5.22          | 4.80                  |      |
| COLUMN 2     | 2   | 6.609 | 6.559     | 6.659 | 5.19          |                       |      |
|              | 3   | 6.763 | 6.713     | 6.813 | 4.81          |                       |      |
|              | 4   | 7.236 | 7.186     | 7.286 | 4.44          |                       |      |
|              | 5   | 7.477 | 7.427     | 7.527 | 4.52          |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166608BSD

Contract: SPEC01

Lab Code: CHEM Case No.: Q1322 SAS No.: Q1322 SDG NO.: Q1322

Lab Sample ID: PB166608BSD Date(s) Analyzed: 02/07/2025 02/07/2025

Instrument ID (1): ECD\_P Instrument ID (2): ECD\_P

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

Data file PP069610.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 5.69  | 5.64      | 5.74  | 5.02          | 4.90                  | 0    |
| COLUMN 1     | 2   | 5.712 | 5.662     | 5.762 | 4.98          |                       |      |
|              | 3   | 5.774 | 5.724     | 5.824 | 4.79          |                       |      |
|              | 4   | 5.872 | 5.822     | 5.922 | 4.95          |                       |      |
|              | 5   | 6.164 | 6.114     | 6.214 | 4.89          |                       |      |
|              | 1   | 4.929 | 4.879     | 4.979 | 5.00          |                       |      |
| COLUMN 2     | 2   | 4.948 | 4.898     | 4.998 | 4.91          | 4.90                  |      |
|              | 3   | 5.126 | 5.076     | 5.176 | 5.01          |                       |      |
|              | 4   | 5.168 | 5.118     | 5.218 | 4.90          |                       |      |
|              | 5   | 5.383 | 5.333     | 5.433 | 4.69          |                       |      |
|              |     |       |           |       |               |                       |      |
| Aroclor-1260 | 1   | 7.283 | 7.233     | 7.333 | 5.01          | 4.50                  | 8.51 |
| COLUMN 1     | 2   | 7.537 | 7.487     | 7.587 | 4.75          |                       |      |
|              | 3   | 7.896 | 7.846     | 7.946 | 4.12          |                       |      |
|              | 4   | 8.12  | 8.07      | 8.17  | 4.30          |                       |      |
|              | 5   | 8.442 | 8.392     | 8.492 | 4.20          |                       |      |
|              | 1   | 6.421 | 6.371     | 6.471 | 5.19          |                       |      |
| COLUMN 2     | 2   | 6.609 | 6.559     | 6.659 | 5.19          | 4.90                  |      |
|              | 3   | 6.763 | 6.713     | 6.813 | 4.76          |                       |      |
|              | 4   | 7.236 | 7.186     | 7.286 | 4.57          |                       |      |
|              | 5   | 7.476 | 7.426     | 7.526 | 4.60          |                       |      |
|              |     |       |           |       |               |                       |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                                          |                    |                  |
|--------------------|------------------------------------------|--------------------|------------------|
| Client:            | Spectra East Inc.                        | Date Collected:    |                  |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     |                  |
| Client Sample ID:  | PB166608BL                               | SDG No.:           | Q1322            |
| Lab Sample ID:     | PB166608BL                               | 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 |
| PP069608.D        | 1         | 02/07/25 08:10 | 02/07/25 16:57 | PB166608      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 26.0  |           | 10 - 157 | 130%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 25.0  |           | 10 - 173 | 125%       | SPK: 20 |

**Comments:**

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069608.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 16:57  
Operator : YP\AJ  
Sample : PB166608BL  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
PB166608BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:10:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.534  | 3.840 | 36415819 | 23244911 | 25.439 | 26.044 |
| 2) SA Decachlor...          | 10.268 | 8.903 | 27165716 | 27919477 | 24.857 | 24.962 |

Target Compounds

-----

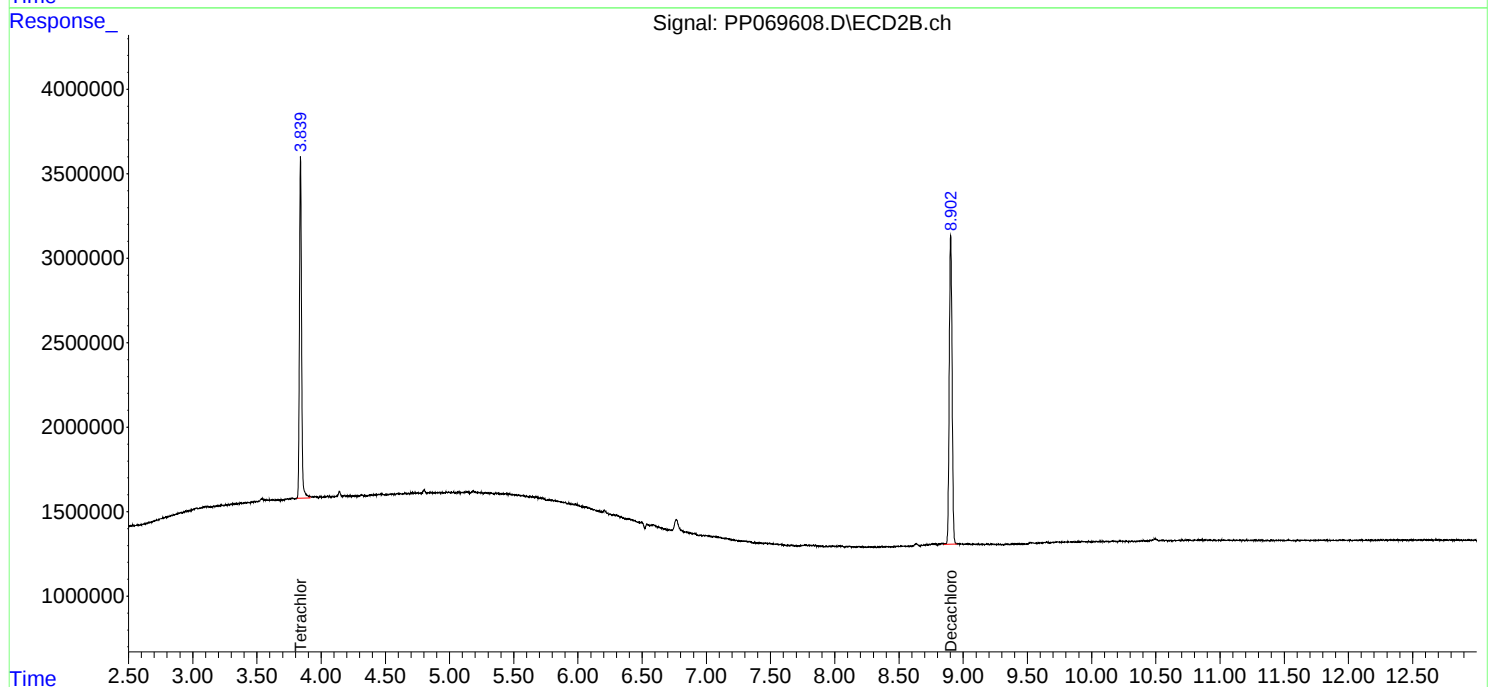
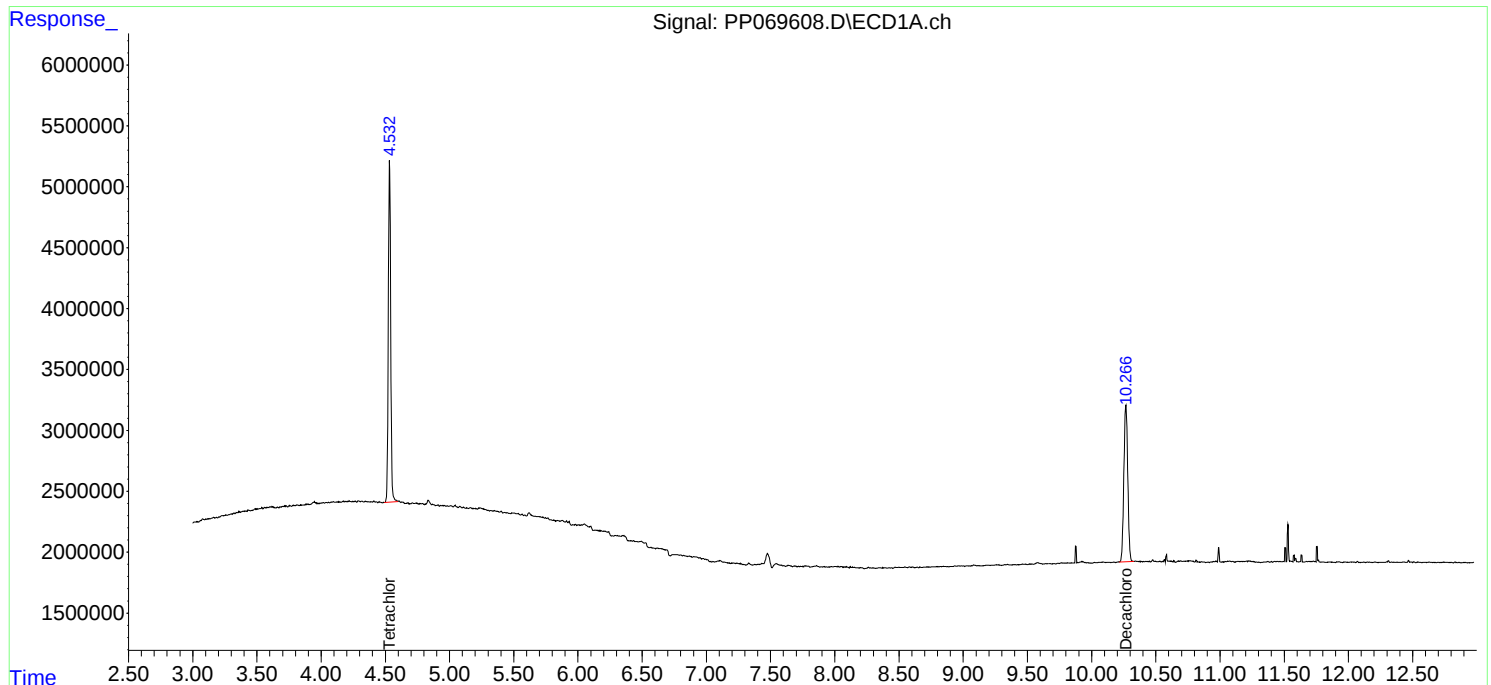
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

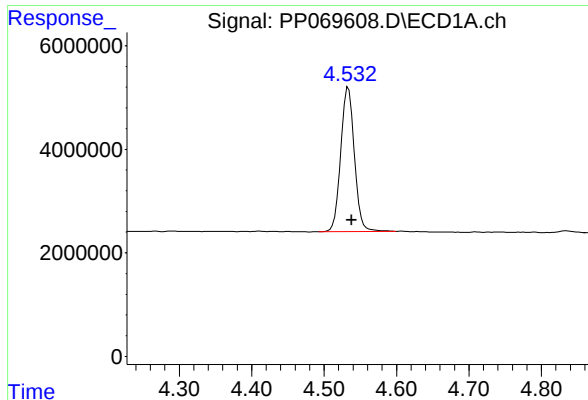
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069608.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 16:57  
Operator : YP\AJ  
Sample : PB166608BL  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
PB166608BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:10:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

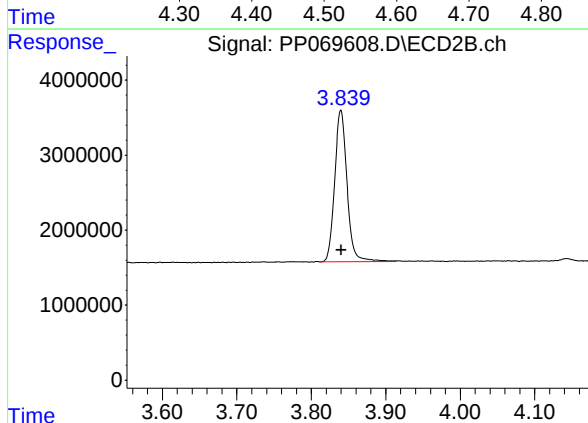




## #1 Tetrachloro-m-xylene

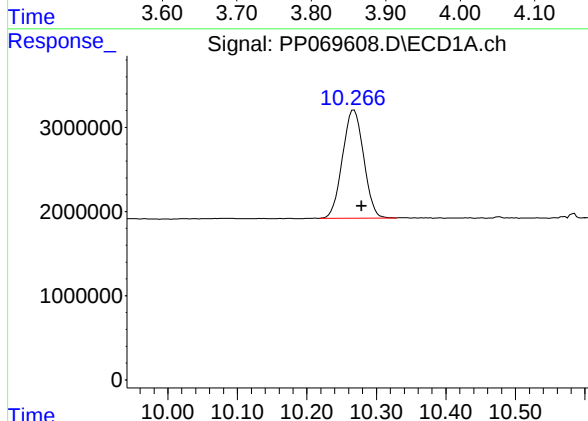
R.T.: 4.534 min  
Delta R.T.: -0.004 min  
Response: 36415819  
Conc: 25.44 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
PB166608BL



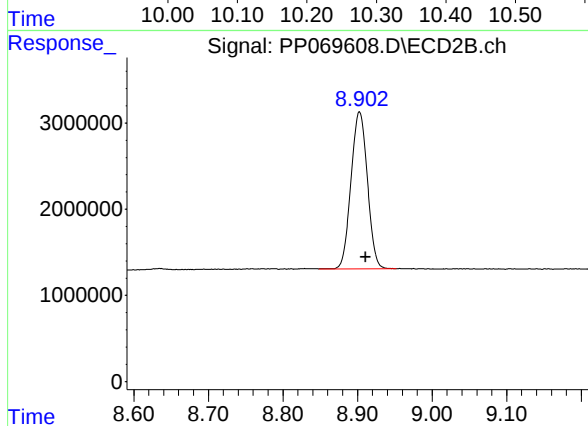
## #1 Tetrachloro-m-xylene

R.T.: 3.840 min  
Delta R.T.: 0.000 min  
Response: 23244911  
Conc: 26.04 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.268 min  
Delta R.T.: -0.011 min  
Response: 27165716  
Conc: 24.86 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.903 min  
Delta R.T.: -0.008 min  
Response: 27919477  
Conc: 24.96 ng/ml

## Report of Analysis

|                    |                                          |                    |          |
|--------------------|------------------------------------------|--------------------|----------|
| Client:            | Spectra East Inc.                        | Date Collected:    | 01/28/25 |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     | 01/28/25 |
| Client Sample ID:  | PIBLK-PP069264.D                         | SDG No.:           | Q1322    |
| Lab Sample ID:     | I.BLK-PP069264.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 : |          |
| PH :               |                                          |                    |          |
| Prep Method :      | 5030                                     |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP069264.D        | 1         |           | 01/28/25      | PP012825      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 25.7  |           | 60 - 140 | 128%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 25.4  |           | 60 - 140 | 127%       | 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\_P\Data\PP012825\  
 Data File : PP069264.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Jan 2025 09:21  
 Operator : YP\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 28 17:56:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Tue Jan 28 17:55:36 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.539  | 3.842 | 36765163 | 23177515 | 25.683 | 25.968 |
| 2) SA Decachlor...          | 10.282 | 8.913 | 27772759 | 28447720 | 25.412 | 25.434 |

Target Compounds

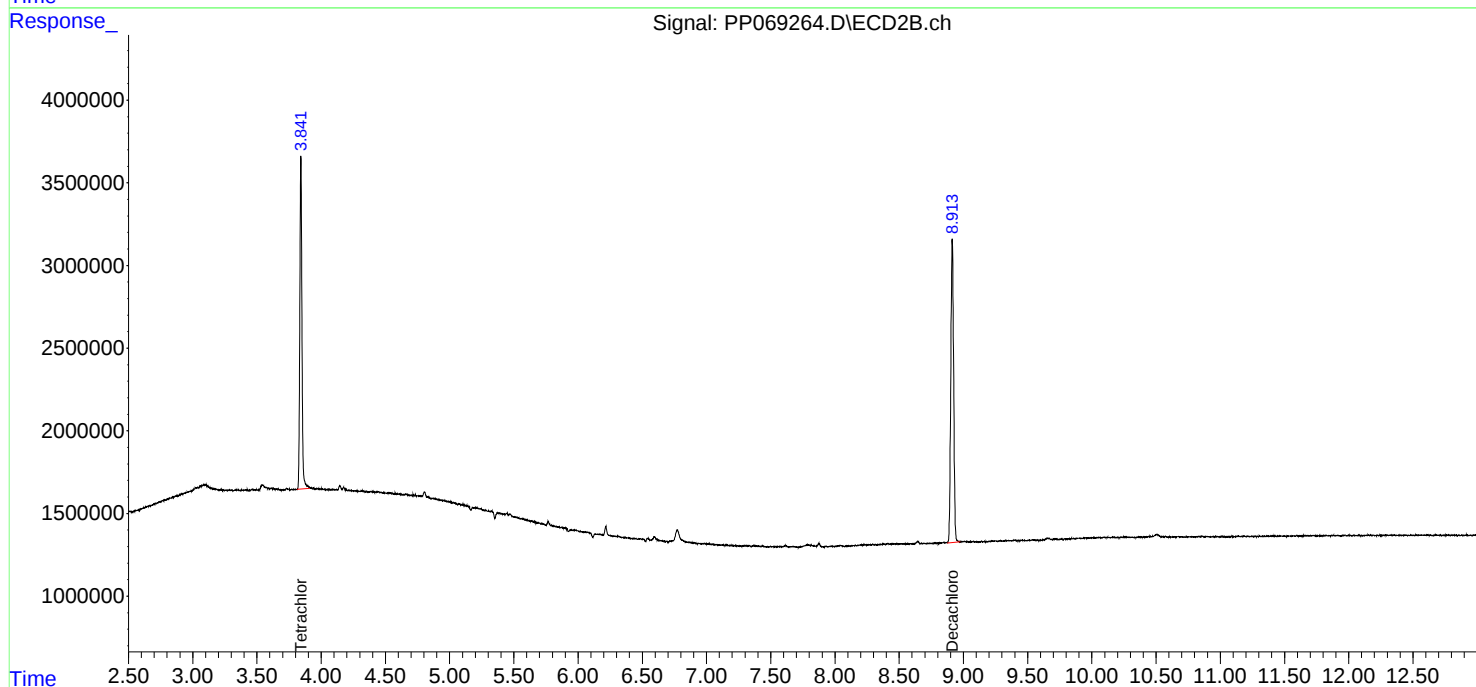
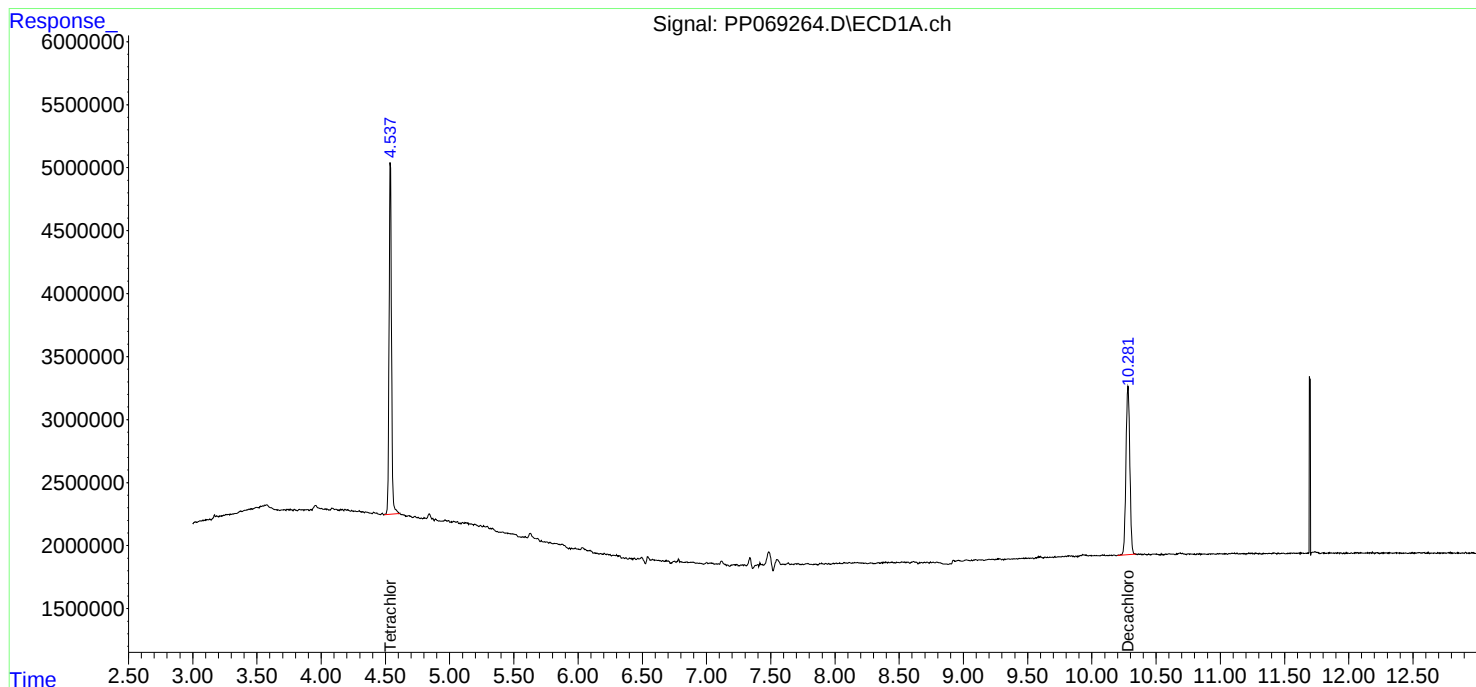
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

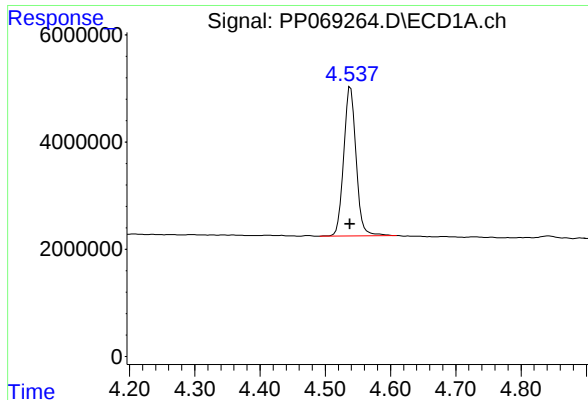
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP012825\  
Data File : PP069264.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Jan 2025 09:21  
Operator : YP\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 28 17:56:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Tue Jan 28 17:55:36 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

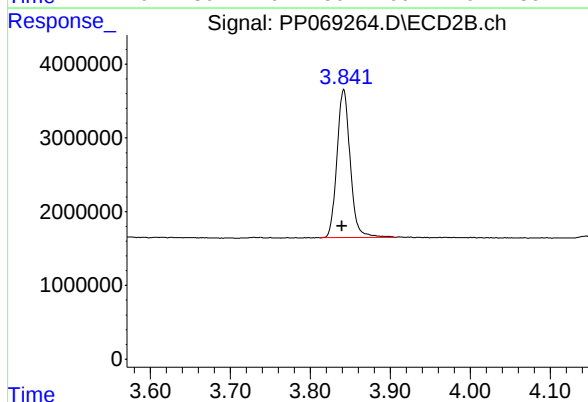




## #1 Tetrachloro-m-xylene

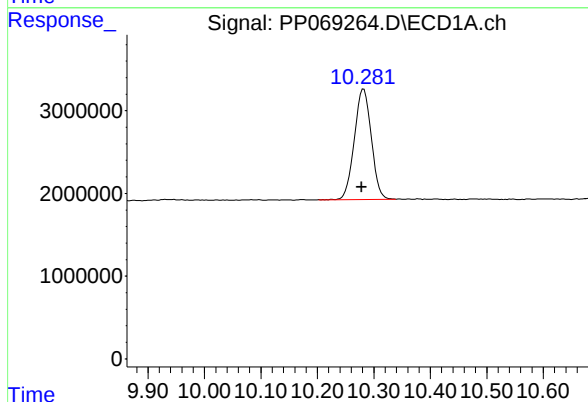
R.T.: 4.539 min  
Delta R.T.: 0.000 min  
Response: 36765163  
Conc: 25.68 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK



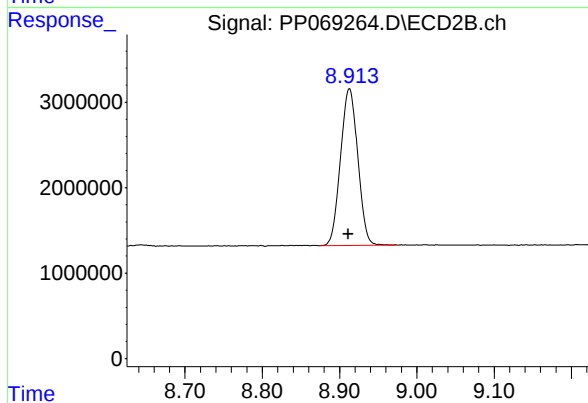
## #1 Tetrachloro-m-xylene

R.T.: 3.842 min  
Delta R.T.: 0.002 min  
Response: 23177515  
Conc: 25.97 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.282 min  
Delta R.T.: 0.004 min  
Response: 27772759  
Conc: 25.41 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.913 min  
Delta R.T.: 0.002 min  
Response: 28447720  
Conc: 25.43 ng/ml

## Report of Analysis

|                    |                                          |                    |          |
|--------------------|------------------------------------------|--------------------|----------|
| Client:            | Spectra East Inc.                        | Date Collected:    | 02/07/25 |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     | 02/07/25 |
| Client Sample ID:  | PIBLK-PP069607.D                         | SDG No.:           | Q1322    |
| Lab Sample ID:     | I.BLK-PP069607.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 |
| PP069607.D        | 1         |           | 02/07/25      | PP020725      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.4  |           | 60 - 140 | 107%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.8  |           | 60 - 140 | 109%       | 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\_P\Data\PP020725\  
Data File : PP069607.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 14:40  
Operator : YP\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 07 15:04:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.534  | 3.837 | 30593910 | 19359671 | 21.372 | 21.691 |
| 2) SA Decachlor...          | 10.267 | 8.900 | 23836578 | 24652359 | 21.810 | 22.041 |

Target Compounds

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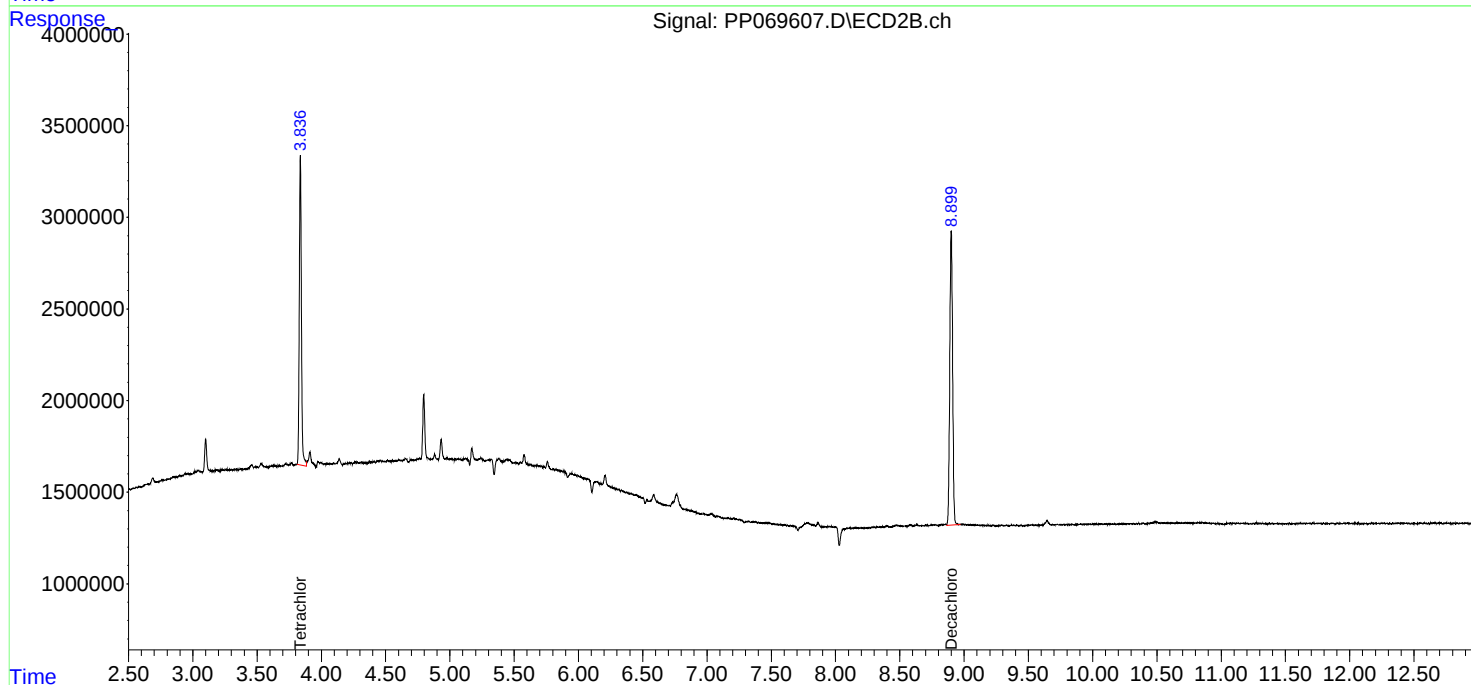
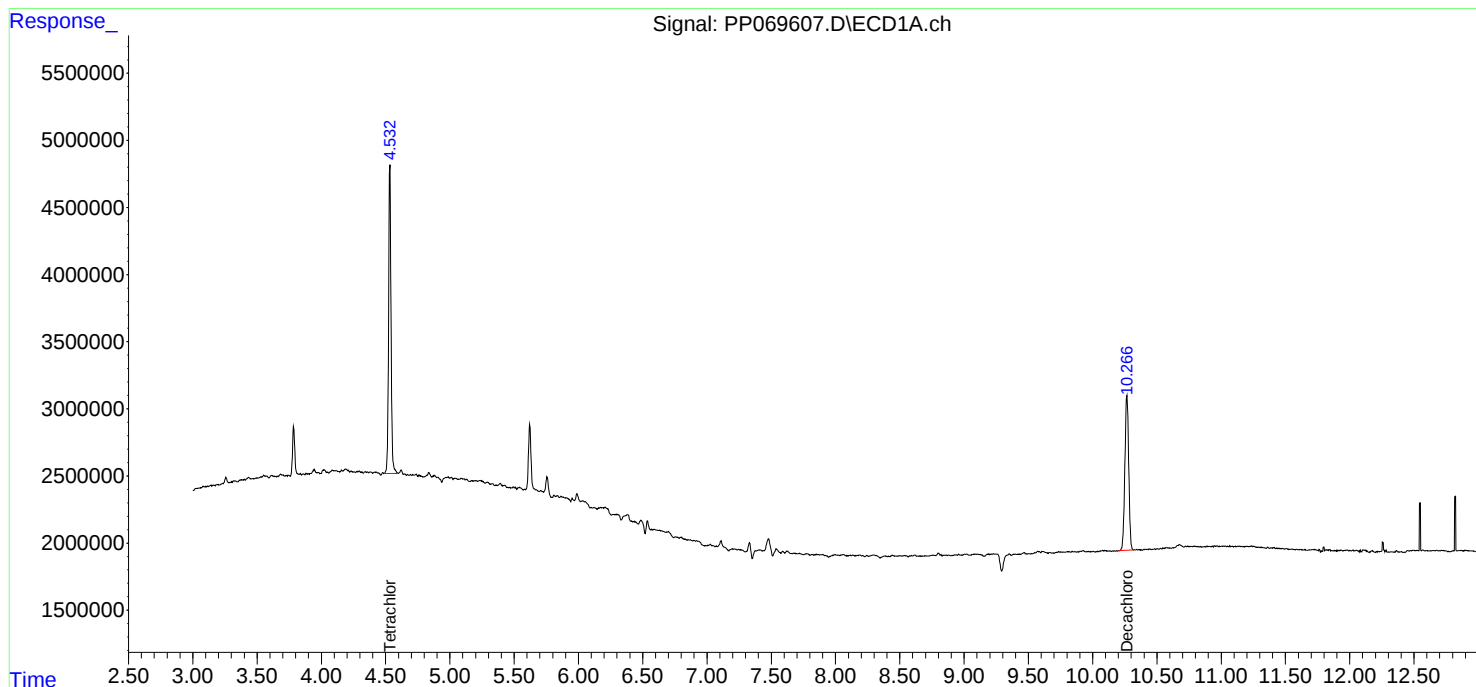
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

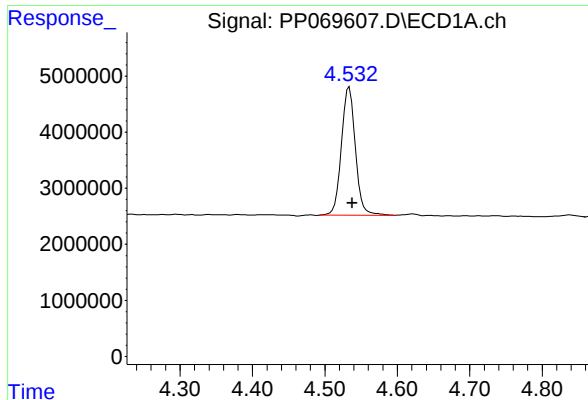
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069607.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 14:40  
Operator : YP\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 07 15:04:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : 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

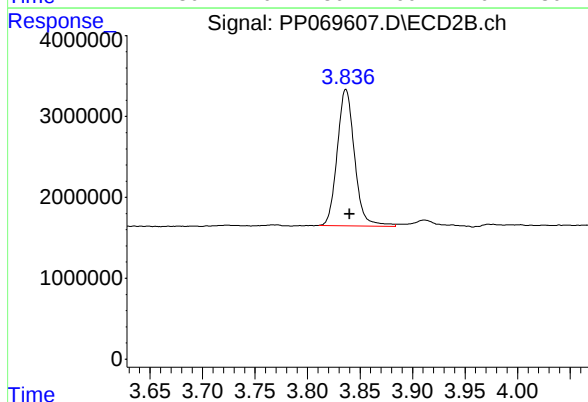




## #1 Tetrachloro-m-xylene

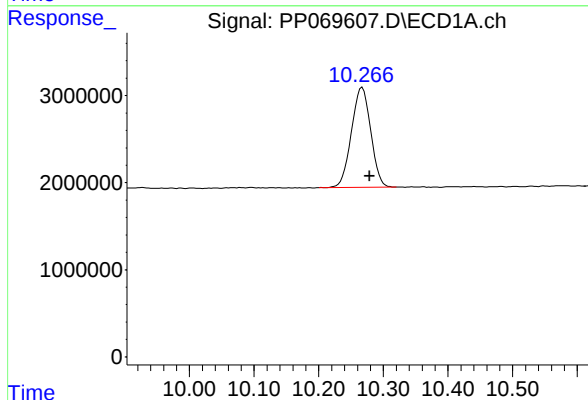
R.T.: 4.534 min  
Delta R.T.: -0.004 min  
Response: 30593910  
Conc: 21.37 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK



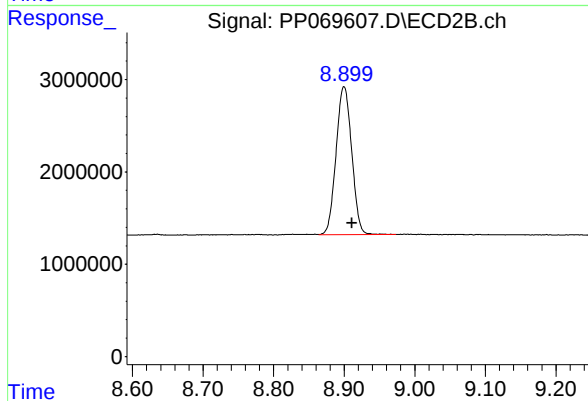
## #1 Tetrachloro-m-xylene

R.T.: 3.837 min  
Delta R.T.: -0.003 min  
Response: 19359671  
Conc: 21.69 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.267 min  
Delta R.T.: -0.011 min  
Response: 23836578  
Conc: 21.81 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.900 min  
Delta R.T.: -0.011 min  
Response: 24652359  
Conc: 22.04 ng/ml

## Report of Analysis

|                    |                                          |                    |          |
|--------------------|------------------------------------------|--------------------|----------|
| Client:            | Spectra East Inc.                        | Date Collected:    | 02/07/25 |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     | 02/07/25 |
| Client Sample ID:  | PIBLK-PP069621.D                         | SDG No.:           | Q1322    |
| Lab Sample ID:     | I.BLK-PP069621.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 |
| PP069621.D        | 1         |           | 02/07/25      | PP020725      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.15  | U         | 0.15     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 21.4  |           | 60 - 140 | 107%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 21.9  |           | 60 - 140 | 110%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069621.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 20:50  
Operator : YP\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:14:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.533  | 3.836 | 30672091 | 19258849 | 21.427 | 21.578 |
| 2) SA Decachlor...          | 10.265 | 8.897 | 23959254 | 25035965 | 21.923 | 22.384 |

Target Compounds

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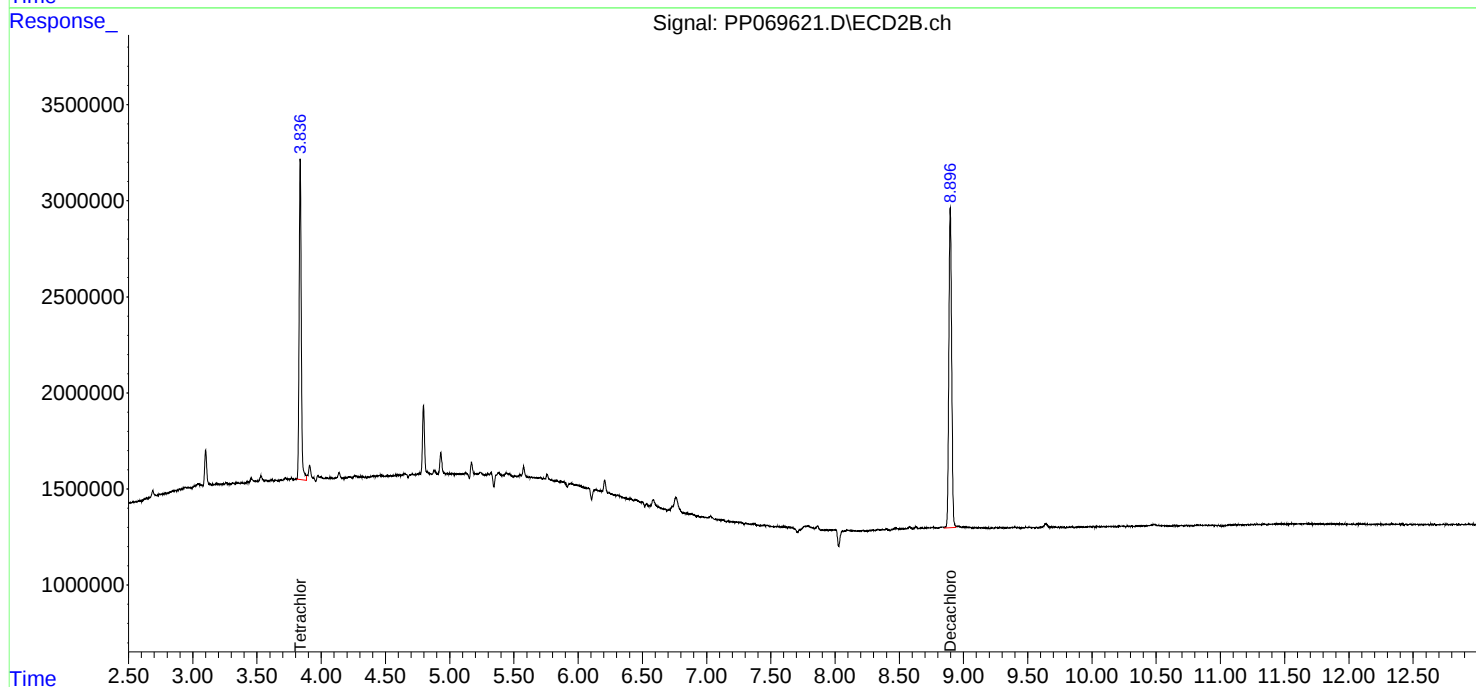
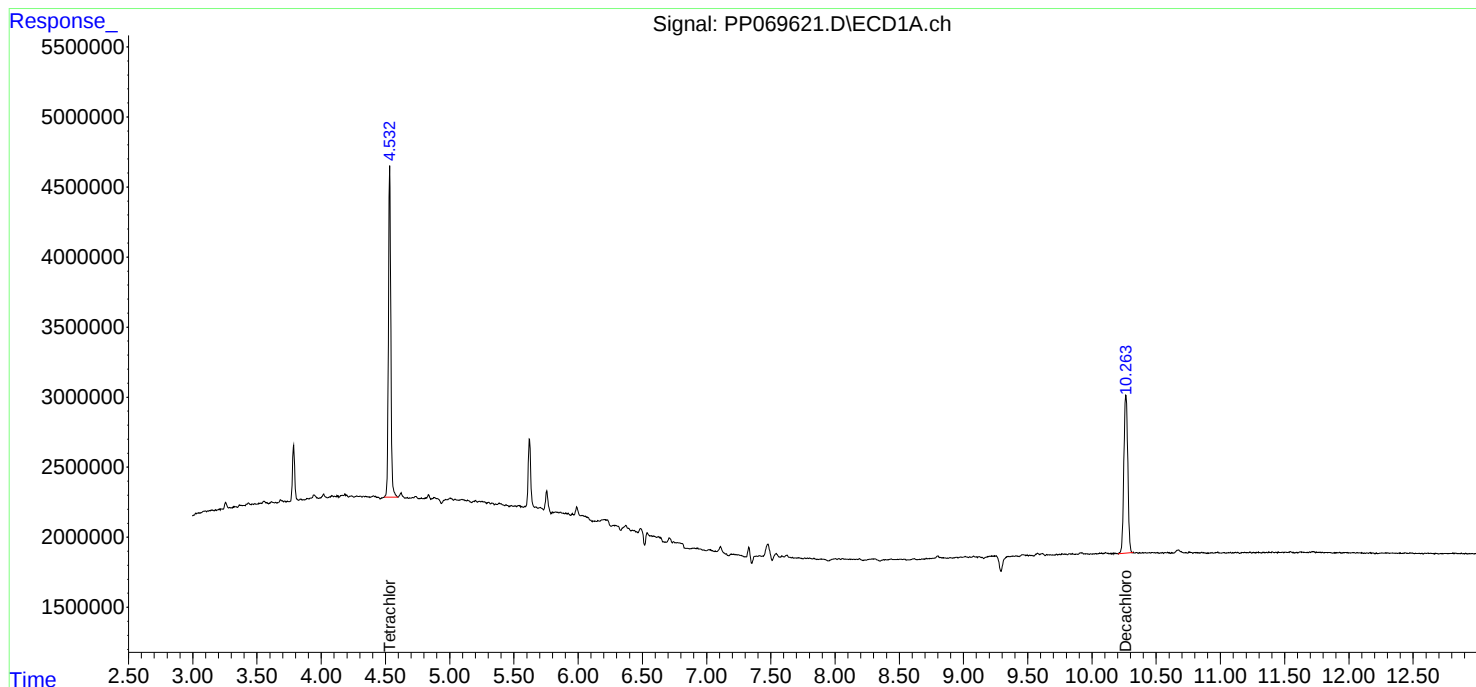
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

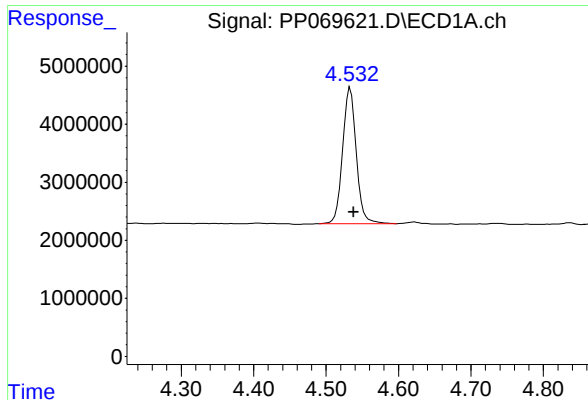
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069621.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 20:50  
Operator : YP\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:14:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : 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

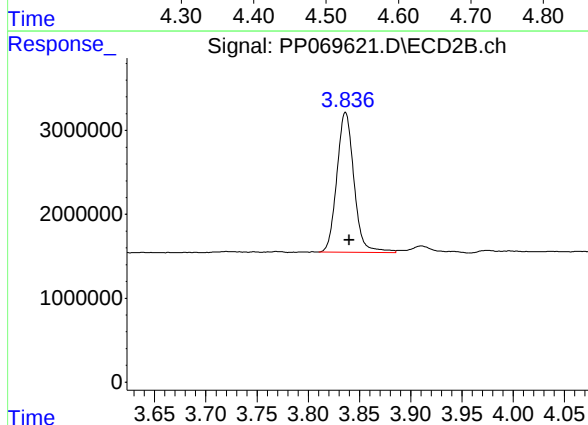




## #1 Tetrachloro-m-xylene

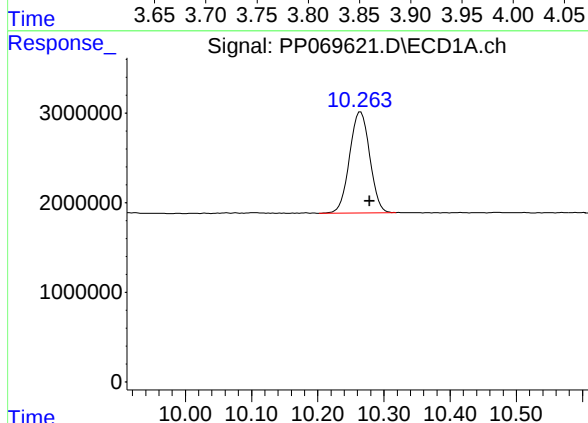
R.T.: 4.533 min  
Delta R.T.: -0.005 min  
Response: 30672091  
Conc: 21.43 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
I.BLK



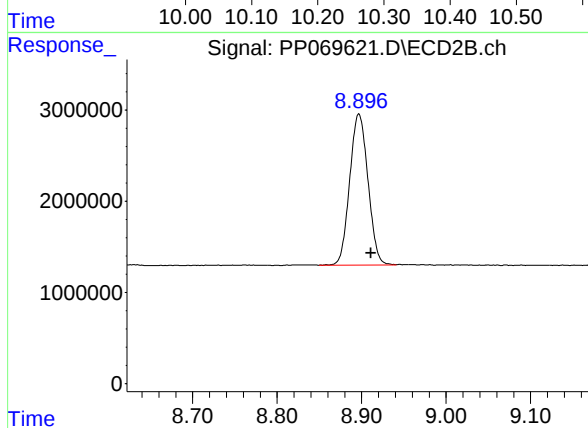
## #1 Tetrachloro-m-xylene

R.T.: 3.836 min  
Delta R.T.: -0.004 min  
Response: 19258849  
Conc: 21.58 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.265 min  
Delta R.T.: -0.014 min  
Response: 23959254  
Conc: 21.92 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.897 min  
Delta R.T.: -0.014 min  
Response: 25035965  
Conc: 22.38 ng/ml

## Report of Analysis

|                    |                                          |                    |                  |
|--------------------|------------------------------------------|--------------------|------------------|
| Client:            | Spectra East Inc.                        | Date Collected:    |                  |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     |                  |
| Client Sample ID:  | PB166608BS                               | SDG No.:           | Q1322            |
| Lab Sample ID:     | PB166608BS                               | 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 |
| PP069609.D        | 1         | 02/07/25 08:10 | 02/07/25 17:13 | PB166608      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 5.00  |           | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.80  |           | 0.15     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 26.0  |           | 10 - 157 | 130%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 25.7  |           | 10 - 173 | 128%       | 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\_P\Data\PP020725\  
 Data File : PP069609.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2025 17:13  
 Operator : YP\AJ  
 Sample : PB166608BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 PB166608BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 08 00:10:57 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.536  | 3.839 | 37280662 | 22661960 | 26.043  | 25.390  |
| 2) SA Decachlor...          | 10.270 | 8.901 | 27777656 | 28734048 | 25.417  | 25.690  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.689  | 4.930 | 23175649 | 16089339 | 500.198 | 493.311 |
| 4) L1 AR-1016-2             | 5.711  | 4.949 | 34486611 | 22008529 | 508.074 | 489.531 |
| 5) L1 AR-1016-3             | 5.774  | 5.126 | 21196383 | 12433148 | 497.607 | 499.645 |
| 6) L1 AR-1016-4             | 5.871  | 5.168 | 18022925 | 9877780  | 514.934 | 489.089 |
| 7) L1 AR-1016-5             | 6.164  | 5.383 | 16056327 | 12826801 | 485.694 | 478.186 |
| 31) L7 AR-1260-1            | 7.283  | 6.422 | 29265001 | 25181312 | 500.802 | 522.114 |
| 32) L7 AR-1260-2            | 7.537  | 6.609 | 37054853 | 31788943 | 476.205 | 518.549 |
| 33) L7 AR-1260-3            | 7.895  | 6.763 | 25581598 | 28925152 | 409.179 | 480.832 |
| 34) L7 AR-1260-4            | 8.120  | 7.236 | 28251661 | 20644077 | 428.206 | 444.267 |
| 35) L7 AR-1260-5            | 8.441  | 7.477 | 55210688 | 50192900 | 421.694 | 451.598 |
| -----                       |        |       |          |          |         |         |

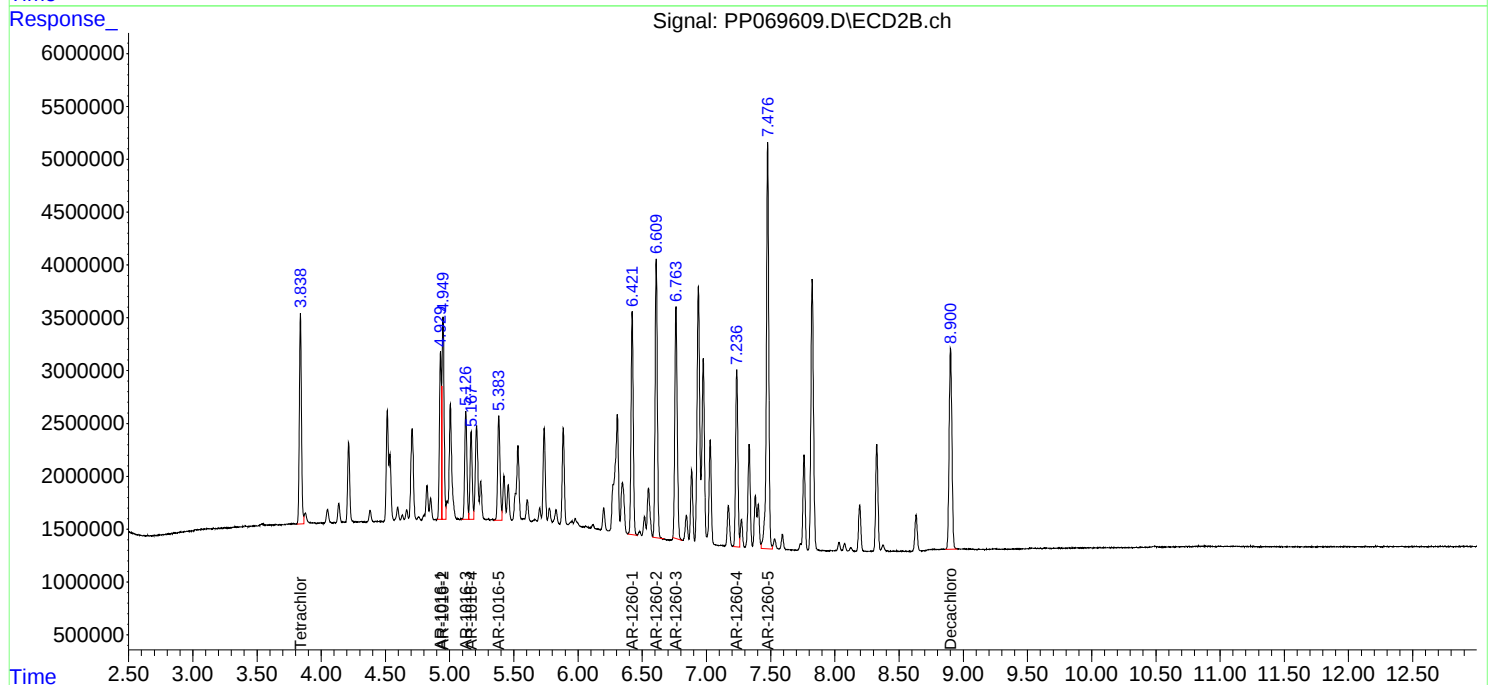
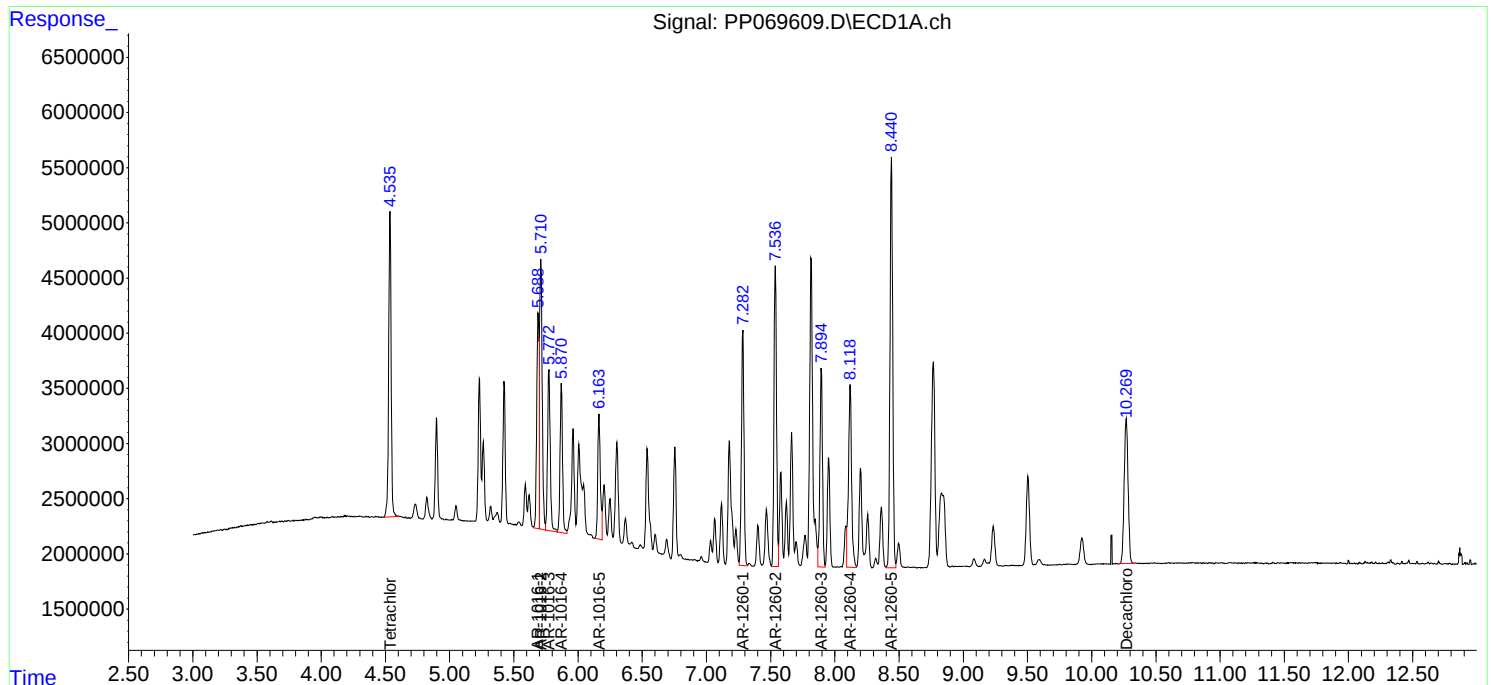
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069609.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 17:13  
Operator : YP\AJ  
Sample : PB166608BS  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
PB166608BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:10:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



## Report of Analysis

|                    |                                          |                    |                  |
|--------------------|------------------------------------------|--------------------|------------------|
| Client:            | Spectra East Inc.                        | Date Collected:    |                  |
| Project:           | Outfall 001 - Orangetown Dis Permit 2025 | Date Received:     |                  |
| Client Sample ID:  | PB166608BSD                              | SDG No.:           | Q1322            |
| Lab Sample ID:     | PB166608BSD                              | 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 |
| PP069610.D        | 1         | 02/07/25 08:10 | 02/07/25 17:30 | PB166608      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 4.90  |           | 0.15     | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.23  | U         | 0.23     | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.37  | U         | 0.37     | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.16  | U         | 0.16     | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.11  | U         | 0.11     | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14     | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.12  | U         | 0.12     | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 4.90  |           | 0.15     | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 26.1  |           | 10 - 157 | 130%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 26.0  |           | 10 - 173 | 130%       | SPK: 20 |

**Comments:**

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
 Data File : PP069610.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Feb 2025 17:30  
 Operator : YP\AJ  
 Sample : PB166608BSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 PB166608BSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 08 00:11:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Jan 29 00:13:21 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------|-------|----------|----------|---------|---------|
| -----                       |        |       |          |          |         |         |
| System Monitoring Compounds |        |       |          |          |         |         |
| 1) SA Tetrachlo...          | 4.537  | 3.839 | 37326767 | 22698276 | 26.076  | 25.431  |
| 2) SA Decachlor...          | 10.270 | 8.900 | 27784098 | 29088812 | 25.422  | 26.007  |
| Target Compounds            |        |       |          |          |         |         |
| 3) L1 AR-1016-1             | 5.690  | 4.929 | 23271156 | 16308999 | 502.259 | 500.046 |
| 4) L1 AR-1016-2             | 5.712  | 4.948 | 33810646 | 22089759 | 498.115 | 491.338 |
| 5) L1 AR-1016-3             | 5.774  | 5.126 | 20422190 | 12474034 | 479.432 | 501.288 |
| 6) L1 AR-1016-4             | 5.872  | 5.168 | 17314795 | 9896734  | 494.702 | 490.028 |
| 7) L1 AR-1016-5             | 6.164  | 5.383 | 16160274 | 12567414 | 488.838 | 468.516 |
| 31) L7 AR-1260-1            | 7.283  | 6.421 | 29275064 | 25043152 | 500.974 | 519.249 |
| 32) L7 AR-1260-2            | 7.537  | 6.609 | 36984580 | 31828274 | 475.301 | 519.190 |
| 33) L7 AR-1260-3            | 7.896  | 6.763 | 25743862 | 28610955 | 411.775 | 475.609 |
| 34) L7 AR-1260-4            | 8.120  | 7.236 | 28354634 | 21233520 | 429.767 | 456.952 |
| 35) L7 AR-1260-5            | 8.442  | 7.476 | 55007636 | 51108760 | 420.143 | 459.838 |
| -----                       |        |       |          |          |         |         |

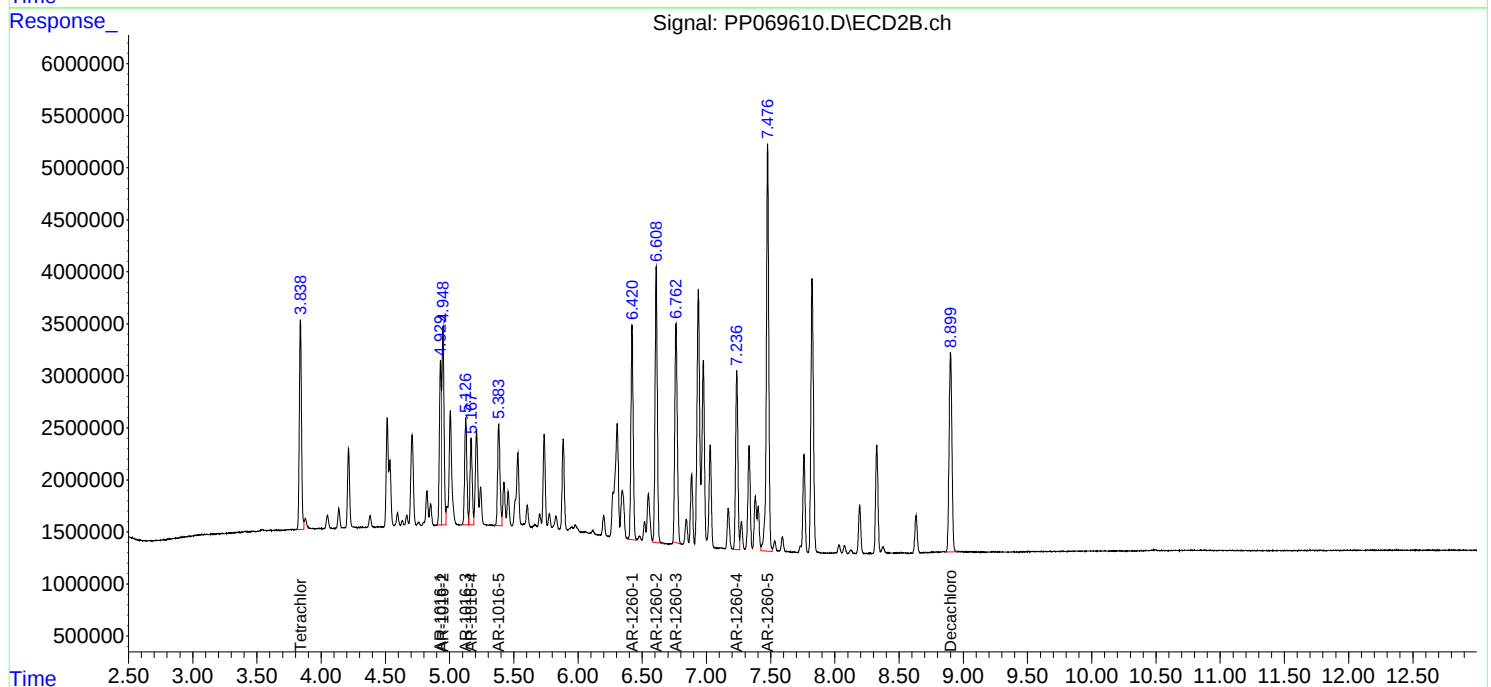
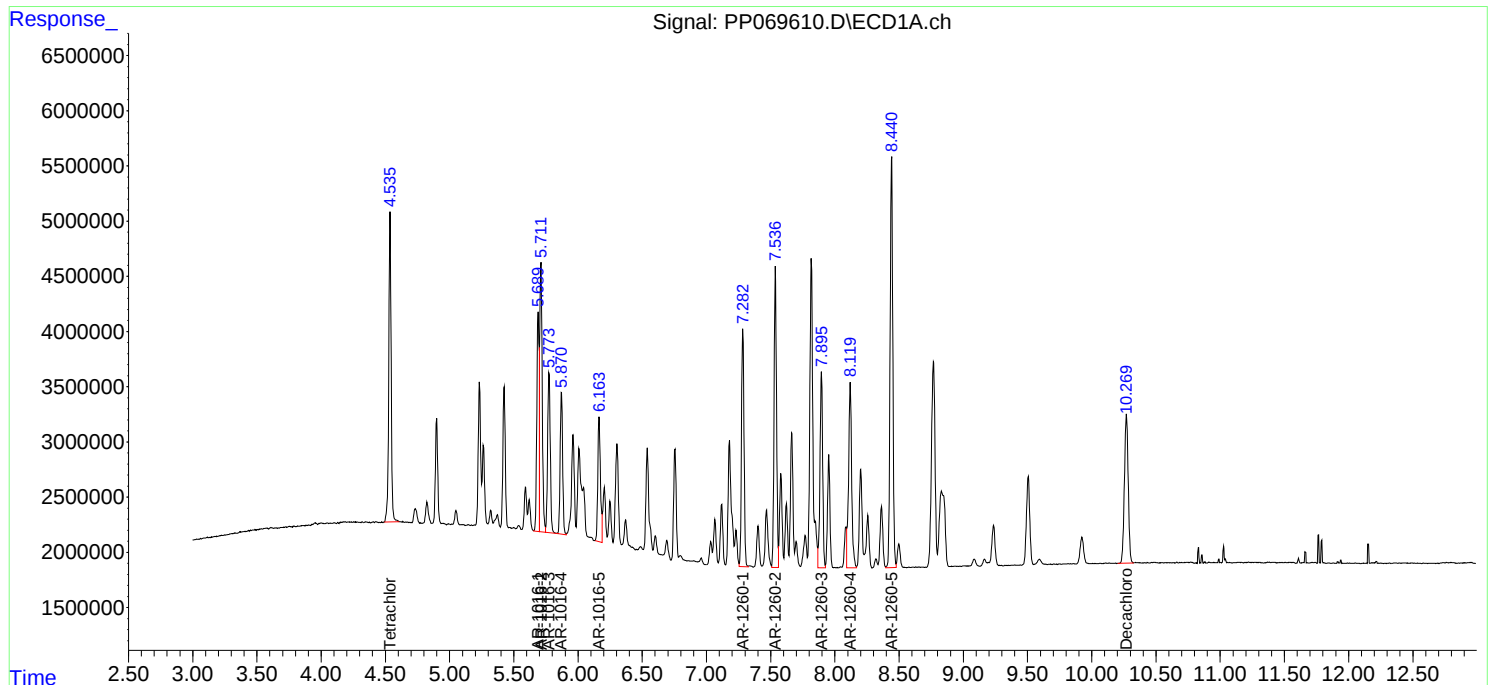
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP020725\  
Data File : PP069610.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Feb 2025 17:30  
Operator : YP\AJ  
Sample : PB166608BSD  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
PB166608BSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 08 00:11:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP012825.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Jan 29 00:13:21 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



## Manual Integration Report

Sequence:

PP012825

Instrument

ECD\_p

| Sample ID     | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|---------------|------------|-------------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| AR1660ICC1000 | PP069265.D | Tetrachloro-m-xylene #2 | yogesh    | 1/29/2025 8:01:08 AM | Ankita        | 1/29/2025 12:56:48 | Peak Integrated by Software |
| AR1248ICC250  | PP069280.D | AR-1248-4               | yogesh    | 1/29/2025 8:01:09 AM | Ankita        | 1/29/2025 12:56:49 | Peak Integrated by Software |
| AR1248ICC250  | PP069280.D | AR-1248-5               | yogesh    | 1/29/2025 8:01:09 AM | Ankita        | 1/29/2025 12:56:49 | Peak Integrated by Software |
| AR1254ICC050  | PP069286.D | AR-1254-1               | yogesh    | 1/29/2025 8:01:10 AM | Ankita        | 1/29/2025 12:56:50 | Peak Integrated by Software |
| AR1254ICC050  | PP069286.D | Tetrachloro-m-xylene    | yogesh    | 1/29/2025 8:01:10 AM | Ankita        | 1/29/2025 12:56:50 | Peak Integrated by Software |
| AR1268ICC050  | PP069292.D | Tetrachloro-m-xylene    | yogesh    | 1/29/2025 8:01:12 AM | Ankita        | 1/29/2025 12:56:52 | Peak Integrated by Software |
| AR1268ICC050  | PP069292.D | Tetrachloro-m-xylene #2 | yogesh    | 1/29/2025 8:01:12 AM | Ankita        | 1/29/2025 12:56:52 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PP020725 | Instrument | ECD_p |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|--------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1242CCC500 | PP069598.D | AR-1242-2 #2 | yogesh    | 2/10/2025 8:46:32 AM | Ankita        | 2/10/2025 9:09:13 | Peak Integrated by Software |
| AR1254CCC500 | PP069600.D | AR-1254-1    | yogesh    | 2/10/2025 8:46:34 AM | Ankita        | 2/10/2025 9:09:14 | Peak Integrated by Software |
| AR1660CCC500 | PP069603.D | AR-1016-5 #2 | yogesh    | 2/10/2025 8:46:37 AM | Ankita        | 2/10/2025 9:09:17 | Peak Integrated by Software |
| AR1660CCC500 | PP069603.D | AR-1260-3 #2 | yogesh    | 2/10/2025 8:46:37 AM | Ankita        | 2/10/2025 9:09:17 | Peak Integrated by Software |
| AR1254CCC500 | PP069606.D | AR-1254-1    | yogesh    | 2/10/2025 8:46:42 AM | Ankita        | 2/10/2025 9:09:19 | Peak Integrated by Software |
| AR1660CCC500 | PP069617.D | AR-1016-5 #2 | yogesh    | 2/10/2025 8:46:45 AM | Ankita        | 2/10/2025 9:09:22 | Peak Integrated by Software |
| AR1248CCC500 | PP069619.D | AR-1248-4 #2 | yogesh    | 2/10/2025 8:46:47 AM | Ankita        | 2/10/2025 9:09:24 | Peak Integrated by Software |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP012825**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/29/2025 8:01:22 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/29/2025 12:56:57 PM         |
| SubDirectory             | PP012825                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP012825 |
| <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        | PP069263.D     | 28 Jan 2025 09:05 | YP\AJ    | Ok     |
| 2   | I.BLK         | PP069264.D     | 28 Jan 2025 09:21 | YP\AJ    | Ok     |
| 3   | AR1660ICC1000 | PP069265.D     | 28 Jan 2025 09:37 | YP\AJ    | Ok,M   |
| 4   | AR1660ICC750  | PP069266.D     | 28 Jan 2025 09:54 | YP\AJ    | Ok     |
| 5   | AR1660ICC500  | PP069267.D     | 28 Jan 2025 10:10 | YP\AJ    | Ok     |
| 6   | AR1660ICC250  | PP069268.D     | 28 Jan 2025 10:26 | YP\AJ    | Ok     |
| 7   | AR1660ICC050  | PP069269.D     | 28 Jan 2025 11:15 | YP\AJ    | Ok     |
| 8   | AR1221ICC500  | PP069270.D     | 28 Jan 2025 11:32 | YP\AJ    | Ok     |
| 9   | AR1232ICC500  | PP069271.D     | 28 Jan 2025 11:48 | YP\AJ    | Ok     |
| 10  | AR1242ICC1000 | PP069272.D     | 28 Jan 2025 12:04 | YP\AJ    | Ok     |
| 11  | AR1242ICC750  | PP069273.D     | 28 Jan 2025 12:21 | YP\AJ    | Ok     |
| 12  | AR1242ICC500  | PP069274.D     | 28 Jan 2025 12:37 | YP\AJ    | Ok     |
| 13  | AR1242ICC250  | PP069275.D     | 28 Jan 2025 12:53 | YP\AJ    | Ok     |
| 14  | AR1242ICC050  | PP069276.D     | 28 Jan 2025 13:09 | YP\AJ    | Ok     |
| 15  | AR1248ICC1000 | PP069277.D     | 28 Jan 2025 13:26 | YP\AJ    | Ok     |
| 16  | AR1248ICC750  | PP069278.D     | 28 Jan 2025 13:42 | YP\AJ    | Ok     |
| 17  | AR1248ICC500  | PP069279.D     | 28 Jan 2025 13:58 | YP\AJ    | Ok     |
| 18  | AR1248ICC250  | PP069280.D     | 28 Jan 2025 14:15 | YP\AJ    | Ok,M   |
| 19  | AR1248ICC050  | PP069281.D     | 28 Jan 2025 14:31 | YP\AJ    | Ok     |
| 20  | AR1254ICC1000 | PP069282.D     | 28 Jan 2025 14:47 | YP\AJ    | Ok     |
| 21  | AR1254ICC750  | PP069283.D     | 28 Jan 2025 15:04 | YP\AJ    | Ok     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP012825**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 1/29/2025 8:01:22 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 1/29/2025 12:56:57 PM         |
| SubDirectory             | PP012825                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP012825 |
| 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   | PP069284.D | 28 Jan 2025 15:20 | YP\AJ | Ok   |
| 23 | AR1254ICC250   | PP069285.D | 28 Jan 2025 15:36 | YP\AJ | Ok   |
| 24 | AR1254ICC050   | PP069286.D | 28 Jan 2025 15:53 | YP\AJ | Ok,M |
| 25 | AR1262ICC500   | PP069287.D | 28 Jan 2025 16:09 | YP\AJ | Ok   |
| 26 | AR1268ICC1000  | PP069288.D | 28 Jan 2025 16:25 | YP\AJ | Ok   |
| 27 | AR1268ICC750   | PP069289.D | 28 Jan 2025 16:42 | YP\AJ | Ok   |
| 28 | AR1268ICC500   | PP069290.D | 28 Jan 2025 16:58 | YP\AJ | Ok   |
| 29 | AR1268ICC250   | PP069291.D | 28 Jan 2025 17:14 | YP\AJ | Ok   |
| 30 | AR1268ICC050   | PP069292.D | 28 Jan 2025 17:30 | YP\AJ | Ok,M |
| 31 | PP012825ICV500 | PP069293.D | 28 Jan 2025 17:47 | YP\AJ | Ok   |
| 32 | AR1242ICV500   | PP069294.D | 28 Jan 2025 18:03 | YP\AJ | Ok   |
| 33 | AR1242ICV500   | PP069295.D | 28 Jan 2025 18:19 | YP\AJ | Ok   |
| 34 | AR1254ICV500   | PP069296.D | 28 Jan 2025 18:36 | YP\AJ | Ok   |
| 35 | AR1268ICV500   | PP069297.D | 28 Jan 2025 18:52 | YP\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP020725**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 2/10/2025 8:47:03 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 2/10/2025 9:09:34 AM          |
| SubDirectory             | PP020725                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP012825 |
| <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       | PP069596.D     | 07 Feb 2025 08:54 | YP\AJ    | Ok       |
| 2   | AR1660CCC500 | PP069597.D     | 07 Feb 2025 09:10 | YP\AJ    | Ok       |
| 3   | AR1242CCC500 | PP069598.D     | 07 Feb 2025 09:45 | YP\AJ    | Ok,M     |
| 4   | AR1248CCC500 | PP069599.D     | 07 Feb 2025 10:02 | YP\AJ    | Ok       |
| 5   | AR1254CCC500 | PP069600.D     | 07 Feb 2025 10:18 | YP\AJ    | Ok,M     |
| 6   | I.BLK        | PP069601.D     | 07 Feb 2025 10:34 | YP\AJ    | Ok       |
| 7   | Q1307-02RE   | PP069602.D     | 07 Feb 2025 11:36 | YP\AJ    | Confirms |
| 8   | AR1660CCC500 | PP069603.D     | 07 Feb 2025 13:35 | YP\AJ    | Ok,M     |
| 9   | AR1242CCC500 | PP069604.D     | 07 Feb 2025 13:52 | YP\AJ    | Ok       |
| 10  | AR1248CCC500 | PP069605.D     | 07 Feb 2025 14:08 | YP\AJ    | Ok       |
| 11  | AR1254CCC500 | PP069606.D     | 07 Feb 2025 14:24 | YP\AJ    | Ok,M     |
| 12  | I.BLK        | PP069607.D     | 07 Feb 2025 14:40 | YP\AJ    | Ok       |
| 13  | PB166608BL   | PP069608.D     | 07 Feb 2025 16:57 | YP\AJ    | Ok       |
| 14  | PB166608BS   | PP069609.D     | 07 Feb 2025 17:13 | YP\AJ    | Ok       |
| 15  | PB166608BSD  | PP069610.D     | 07 Feb 2025 17:30 | YP\AJ    | Ok       |
| 16  | Q1320-01     | PP069611.D     | 07 Feb 2025 17:46 | YP\AJ    | Ok       |
| 17  | Q1320-02     | PP069612.D     | 07 Feb 2025 18:02 | YP\AJ    | Ok,M     |
| 18  | Q1320-03     | PP069613.D     | 07 Feb 2025 18:18 | YP\AJ    | Ok,M     |
| 19  | Q1322-01     | PP069614.D     | 07 Feb 2025 18:35 | YP\AJ    | Ok       |
| 20  | Q1325-03     | PP069615.D     | 07 Feb 2025 18:51 | YP\AJ    | Ok       |
| 21  | Q1325-05     | PP069616.D     | 07 Feb 2025 19:07 | YP\AJ    | Ok       |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP020725**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 2/10/2025 8:47:03 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 2/10/2025 9:09:34 AM          |
| SubDirectory             | PP020725                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP012825 |
| 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 | AR1660CCC500 | PP069617.D | 07 Feb 2025 19:45 | YP\AJ | Ok,M |
| 23 | AR1242CCC500 | PP069618.D | 07 Feb 2025 20:01 | YP\AJ | Ok   |
| 24 | AR1248CCC500 | PP069619.D | 07 Feb 2025 20:17 | YP\AJ | Ok,M |
| 25 | AR1254CCC500 | PP069620.D | 07 Feb 2025 20:33 | YP\AJ | Ok   |
| 26 | I.BLK        | PP069621.D | 07 Feb 2025 20:50 | YP\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP012825**

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 1/29/2025 8:01:22 AM          |
| Supervise By | Ankita   | Supervise On      | 1/29/2025 12:56:57 PM         |
| SubDirectory | PP012825 | HP Acquire Method | HP Processing Method PP012825 |

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |

| Sr# | SampleID      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PP069263.D     | 28 Jan 2025 09:05 |         | YP\AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PP069264.D     | 28 Jan 2025 09:21 |         | YP\AJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PP069265.D     | 28 Jan 2025 09:37 |         | YP\AJ    | Ok,M   |
| 4   | AR1660ICC750  | AR1660ICC750  | PP069266.D     | 28 Jan 2025 09:54 |         | YP\AJ    | Ok     |
| 5   | AR1660ICC500  | AR1660ICC500  | PP069267.D     | 28 Jan 2025 10:10 |         | YP\AJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PP069268.D     | 28 Jan 2025 10:26 |         | YP\AJ    | Ok     |
| 7   | AR1660ICC050  | AR1660ICC050  | PP069269.D     | 28 Jan 2025 11:15 |         | YP\AJ    | Ok     |
| 8   | AR1221ICC500  | AR1221ICC500  | PP069270.D     | 28 Jan 2025 11:32 |         | YP\AJ    | Ok     |
| 9   | AR1232ICC500  | AR1232ICC500  | PP069271.D     | 28 Jan 2025 11:48 |         | YP\AJ    | Ok     |
| 10  | AR1242ICC1000 | AR1242ICC1000 | PP069272.D     | 28 Jan 2025 12:04 |         | YP\AJ    | Ok     |
| 11  | AR1242ICC750  | AR1242ICC750  | PP069273.D     | 28 Jan 2025 12:21 |         | YP\AJ    | Ok     |
| 12  | AR1242ICC500  | AR1242ICC500  | PP069274.D     | 28 Jan 2025 12:37 |         | YP\AJ    | Ok     |
| 13  | AR1242ICC250  | AR1242ICC250  | PP069275.D     | 28 Jan 2025 12:53 |         | YP\AJ    | Ok     |
| 14  | AR1242ICC050  | AR1242ICC050  | PP069276.D     | 28 Jan 2025 13:09 |         | YP\AJ    | Ok     |
| 15  | AR1248ICC1000 | AR1248ICC1000 | PP069277.D     | 28 Jan 2025 13:26 |         | YP\AJ    | Ok     |
| 16  | AR1248ICC750  | AR1248ICC750  | PP069278.D     | 28 Jan 2025 13:42 |         | YP\AJ    | Ok     |
| 17  | AR1248ICC500  | AR1248ICC500  | PP069279.D     | 28 Jan 2025 13:58 |         | YP\AJ    | Ok     |
| 18  | AR1248ICC250  | AR1248ICC250  | PP069280.D     | 28 Jan 2025 14:15 |         | YP\AJ    | Ok,M   |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP012825**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 1/29/2025 8:01:22 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 1/29/2025 12:56:57 PM         |
| SubDirectory             | PP012825                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PP012825 |
| <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  | PP069281.D | 28 Jan 2025 14:31 |  | YPIAJ | Ok   |
| 20 | AR1254ICC1000  | AR1254ICC1000 | PP069282.D | 28 Jan 2025 14:47 |  | YPIAJ | Ok   |
| 21 | AR1254ICC750   | AR1254ICC750  | PP069283.D | 28 Jan 2025 15:04 |  | YPIAJ | Ok   |
| 22 | AR1254ICC500   | AR1254ICC500  | PP069284.D | 28 Jan 2025 15:20 |  | YPIAJ | Ok   |
| 23 | AR1254ICC250   | AR1254ICC250  | PP069285.D | 28 Jan 2025 15:36 |  | YPIAJ | Ok   |
| 24 | AR1254ICC050   | AR1254ICC050  | PP069286.D | 28 Jan 2025 15:53 |  | YPIAJ | Ok,M |
| 25 | AR1262ICC500   | AR1262ICC500  | PP069287.D | 28 Jan 2025 16:09 |  | YPIAJ | Ok   |
| 26 | AR1268ICC1000  | AR1268ICC1000 | PP069288.D | 28 Jan 2025 16:25 |  | YPIAJ | Ok   |
| 27 | AR1268ICC750   | AR1268ICC750  | PP069289.D | 28 Jan 2025 16:42 |  | YPIAJ | Ok   |
| 28 | AR1268ICC500   | AR1268ICC500  | PP069290.D | 28 Jan 2025 16:58 |  | YPIAJ | Ok   |
| 29 | AR1268ICC250   | AR1268ICC250  | PP069291.D | 28 Jan 2025 17:14 |  | YPIAJ | Ok   |
| 30 | AR1268ICC050   | AR1268ICC050  | PP069292.D | 28 Jan 2025 17:30 |  | YPIAJ | Ok,M |
| 31 | PP012825ICV500 | ICVPP012825   | PP069293.D | 28 Jan 2025 17:47 |  | YPIAJ | Ok   |
| 32 | AR1242ICV500   | ICVPP012825   | PP069294.D | 28 Jan 2025 18:03 |  | YPIAJ | Ok   |
| 33 | AR1242ICV500   | ICVPP012825   | PP069295.D | 28 Jan 2025 18:19 |  | YPIAJ | Ok   |
| 34 | AR1254ICV500   | ICVPP012825   | PP069296.D | 28 Jan 2025 18:36 |  | YPIAJ | Ok   |
| 35 | AR1268ICV500   | ICVPP012825   | PP069297.D | 28 Jan 2025 18:52 |  | YPIAJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP020725**

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 2/10/2025 8:47:03 AM          |
| Supervise By | Ankita   | Supervise On      | 2/10/2025 9:09:34 AM          |
| SubDirectory | PP020725 | HP Acquire Method | HP Processing Method PP012825 |

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |

| Sr# | SampleId     | ClientID     | Data File Name | Date-Time         | Comment                 | Operator | Status   |
|-----|--------------|--------------|----------------|-------------------|-------------------------|----------|----------|
| 1   | HEXANE       | HEXANE       | PP069596.D     | 07 Feb 2025 08:54 |                         | YP\AJ    | Ok       |
| 2   | AR1660CCC500 | AR1660CCC500 | PP069597.D     | 07 Feb 2025 09:10 |                         | YP\AJ    | Ok       |
| 3   | AR1242CCC500 | AR1242CCC500 | PP069598.D     | 07 Feb 2025 09:45 |                         | YP\AJ    | Ok,M     |
| 4   | AR1248CCC500 | AR1248CCC500 | PP069599.D     | 07 Feb 2025 10:02 |                         | YP\AJ    | Ok       |
| 5   | AR1254CCC500 | AR1254CCC500 | PP069600.D     | 07 Feb 2025 10:18 |                         | YP\AJ    | Ok,M     |
| 6   | I.BLK        | I.BLK        | PP069601.D     | 07 Feb 2025 10:34 |                         | YP\AJ    | Ok       |
| 7   | Q1307-02RE   | 431RE        | PP069602.D     | 07 Feb 2025 11:36 | DCB low in both column, | YP\AJ    | Confirms |
| 8   | AR1660CCC500 | AR1660CCC500 | PP069603.D     | 07 Feb 2025 13:35 |                         | YP\AJ    | Ok,M     |
| 9   | AR1242CCC500 | AR1242CCC500 | PP069604.D     | 07 Feb 2025 13:52 |                         | YP\AJ    | Ok       |
| 10  | AR1248CCC500 | AR1248CCC500 | PP069605.D     | 07 Feb 2025 14:08 |                         | YP\AJ    | Ok       |
| 11  | AR1254CCC500 | AR1254CCC500 | PP069606.D     | 07 Feb 2025 14:24 |                         | YP\AJ    | Ok,M     |
| 12  | I.BLK        | I.BLK        | PP069607.D     | 07 Feb 2025 14:40 |                         | YP\AJ    | Ok       |
| 13  | PB166608BL   | PB166608BL   | PP069608.D     | 07 Feb 2025 16:57 |                         | YP\AJ    | Ok       |
| 14  | PB166608BS   | PB166608BS   | PP069609.D     | 07 Feb 2025 17:13 |                         | YP\AJ    | Ok       |
| 15  | PB166608BSD  | PB166608BSD  | PP069610.D     | 07 Feb 2025 17:30 |                         | YP\AJ    | Ok       |
| 16  | Q1320-01     | 11725        | PP069611.D     | 07 Feb 2025 17:46 |                         | YP\AJ    | Ok       |
| 17  | Q1320-02     | 2325-A       | PP069612.D     | 07 Feb 2025 18:02 |                         | YP\AJ    | Ok,M     |
| 18  | Q1320-03     | 2325-B       | PP069613.D     | 07 Feb 2025 18:18 |                         | YP\AJ    | Ok,M     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP020725**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 2/10/2025 8:47:03 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Supervise On      | 2/10/2025 9:09:34 AM          |
| SubDirectory             | PP020725                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PP012825 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                               |
| Tune/Reschk              | 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<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |              |              |            |                   |  |       |      |
|----|--------------|--------------|------------|-------------------|--|-------|------|
| 19 | Q1322-01     | MANHOLE      | PP069614.D | 07 Feb 2025 18:35 |  | YPIAJ | Ok   |
| 20 | Q1325-03     | DSN001       | PP069615.D | 07 Feb 2025 18:51 |  | YPIAJ | Ok   |
| 21 | Q1325-05     | DSN003       | PP069616.D | 07 Feb 2025 19:07 |  | YPIAJ | Ok   |
| 22 | AR1660CCC500 | AR1660CCC500 | PP069617.D | 07 Feb 2025 19:45 |  | YPIAJ | Ok,M |
| 23 | AR1242CCC500 | AR1242CCC500 | PP069618.D | 07 Feb 2025 20:01 |  | YPIAJ | Ok   |
| 24 | AR1248CCC500 | AR1248CCC500 | PP069619.D | 07 Feb 2025 20:17 |  | YPIAJ | Ok,M |
| 25 | AR1254CCC500 | AR1254CCC500 | PP069620.D | 07 Feb 2025 20:33 |  | YPIAJ | Ok   |
| 26 | I.BLK        | I.BLK        | PP069621.D | 07 Feb 2025 20:50 |  | YPIAJ | Ok   |

M : Manual Integration

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 02/07/2025

Matrix : Water

Extraction Start Time : 08:10

Weigh By: N/A

Extraction By: RS

Extraction End Date : 02/07/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 16:25

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3574

Hood ID: 4,5,6,7

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5000 PPB            | PP24093             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24123             |
| 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            | E3874      |
| Baked Na2SO4       | N/A            | EP2581     |
| Hexane             | N/A            | E3872      |
| 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        |
| N/A                | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1322-01 Added in batch at 11:55.

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 |
|-------------------|-----------------------------------------|----------------------|
| 02/07/25<br>16:30 | RP (Rohit) (LWS)                        | ALIFEST PCA Curb     |
|                   | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 02/07/2025

| Sample ID       | Client Sample ID | Test | g / (mL) | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|------|----------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |      |          |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166608BL      | ABLK608          | PCB  | 1000     | 6  | RUPESH         | ritesh     | 10                 |       |          | SEP-01      |
| PB166608BS      | ALCS608          | PCB  | 1000     | 6  | RUPESH         | ritesh     | 10                 |       |          | 2           |
| PB166608BS<br>D | ALCSD608         | PCB  | 1000     | 6  | RUPESH         | ritesh     | 10                 |       |          | 3           |
| Q1320-01        | 11725            | PCB  | 990      | 6  | RUPESH         | ritesh     | 10                 | B     |          | 4           |
| Q1320-02        | 2325-A           | PCB  | 980      | 6  | RUPESH         | ritesh     | 10                 | B     |          | 5           |
| Q1320-03        | 2325-B           | PCB  | 1000     | 6  | RUPESH         | ritesh     | 10                 | B     |          | 6           |
| Q1322-01        | MANHOLE          | PCB  | 960      | 6  | RUPESH         | ritesh     | 10                 | I     |          | 7           |
| Q1325-03        | DSN001           | PCB  | 970      | 6  | RUPESH         | ritesh     | 10                 | L     |          | 8           |
| Q1325-05        | DSN003           | PCB  | 990      | 6  | RUPESH         | ritesh     | 10                 | L     |          | 9           |

\* Extracts relinquished on the same date as received.

8  
2/7/25

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1320      WorkList ID : 187557      Department : Extraction      Date : 02-07-2025 08:06:33

| Sample   | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------|--------------|----------|-----------------------------|--------------|--------|
| Q1320-01 | 11725           | Water  | PCB  | Cool 4 deg C | PSEG03   | N41                         | 02/06/2025   | 8082A  |
| Q1320-02 | 2325-A          | Water  | PCB  | Cool 4 deg C | PSEG03   | N41                         | 02/06/2025   | 8082A  |
| Q1320-03 | 2325-B          | Water  | PCB  | Cool 4 deg C | PSEG03   | N41                         | 02/06/2025   | 8082A  |
| Q1325-03 | DSN001          | Water  | PCB  | Cool 4 deg C | PSEG04   | N41                         | 02/06/2025   | 8082A  |
| Q1325-05 | DSN003          | Water  | PCB  | Cool 4 deg C | PSEG04   | N41                         | 02/06/2025   | 8082A  |

Date/Time 02/07/25 8:08  
 Raw Sample Received by: Py (Per Las)  
 Raw Sample Relinquished by: Py (Per Las)

Date/Time 02/07/25 8:35  
 Raw Sample Received by: Py (Per Las)  
 Raw Sample Relinquished by: Py (Per Las)

WORKLIST(Hardcopy Internal Chain)

18669  
12/11/25

WorkList Name : Q1322

WorkList ID : 187572

Department : Extraction

Date : 02-07-2025 11:53:29

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| Q1322-01 | MANHOLE         | Water  | PCB              | Cool 4 deg C | SPEC01   | N41                         | 02/06/2025   | 8082A  |
| Q1322-01 | MANHOLE         | Water  | PESTICIDE Group1 | Cool 4 deg C | SPEC01   | N41                         | 02/06/2025   | 608.3  |
| Q1322-01 | MANHOLE         | Water  | SVOCMS Group1    | Cool 4 deg C | SPEC01   | N41                         | 02/06/2025   | 625.1  |

Date/Time 02/07/25 11:54  
Raw Sample Received by: R (Sig 106)  
Raw Sample Relinquished by: R C (sm 1)

Date/Time 02/07/25 12:05  
Raw Sample Received by: J-C (sm 1)  
Raw Sample Relinquished by: RS (Sig 106)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q1322

**Test :** PCB

**Prepbatch ID :** PB166608,

**Sequence ID/Qc Batch ID:** PP020725,

**Standard ID :**

EP2565,EP2581,PP23733,PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775,PP23776,PP23777,PP23778,PP23779,PP23780,PP23781,PP23782,PP23783,PP23784,PP23785,PP23786,PP23787,PP23788,PP23789,PP23790,PP23946,PP23947,PP24093,PP24123,

**Chemical ID :**

E3551,E3804,E3805,E3825,E3843,E3846,E3872,E3874,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12957,P13033,P13350,P13353,P13372,W3112,

## Extractions STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>    | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>           |
|------------------|----------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|--------------------------------|
| 314              | 1.1 H2SO4 SOLN | <a href="#">EP2565</a> | 11/20/2024       | 05/20/2025             | Rajesh Parikh      | None           | None             | RUPESHKUMAR SHAH<br>11/20/2024 |

**FROM** 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

| <u>Recipe ID</u> | <u>NAME</u>          | <u>NO.</u>             | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u>                   | <u>PipetteID</u> | <u>Supervised By</u>        |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|----------------------------------|------------------|-----------------------------|
| 3923             | Baked Sodium Sulfate | <a href="#">EP2581</a> | 02/03/2025       | 07/01/2025             | RUPESHKUMAR SHAH   | Extraction_SC ALE_2<br>(EX-SC-2) | None             | Rajesh Parikh<br>02/03/2025 |

**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         |
|                  |                                 |                         |                  |                        |                    |                |                  | 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         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 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         |
|                  |                                            |                         |                  |                        |                    |                |                  | 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         |
|                  |                    |                         |                  |                        |                    |                |                  | 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         |
|                  |                                            |                         |                  |                        |                    |                |                  | 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         |
|                  |                    |                         |                  |                        |                    |                |                  | 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> |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3817             | AR1268 1000 ppb Working Soln.<br>2nd source | <a href="#">PP23946</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                             |                         |                  |                        |                    |                |                  | 11/13/2024           |

**FROM** 1.00000ml of P11521 + 98.50000ml of E3825 + 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> |
|------------------|------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 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

## 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> |
|------------------|----------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3857             | 5000 PPB PCB SPIKE SOLUTION 2ND SOURCE | <a href="#">PP24093</a> | 12/20/2024       | 04/03/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                        |                         |                  |                        |                    |                |                  | 01/16/2025           |

**FROM** 0.50000ml of P12947 + 99.50000ml of E3843 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">PP24123</a> | 01/20/2025       | 06/26/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                  |                         |                  |                        |                    |                |                  | 01/20/2025           |

**FROM** 1.00000ml of P13353 + 999.00000ml of E3846 = Final Quantity: 1000.000 ml

## CHEMICAL RECEIPT LOG BOOK

| Supplier                    | ItemCode / ItemName                                    | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-----------------------------|--------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| PCI Scientific Supply, Inc. | PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1 | 313201 | 07/01/2025      | 01/03/2024 / Rajesh     | 07/20/2023 / Rajesh         | E3551          |

| Supplier         | ItemCode / ItemName               | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-----------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 11/05/2025      | 10/01/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3804          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 03/30/2025      | 09/30/2024 / Rajesh     | 09/25/2024 / Rajesh         | E3805          |

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24G1962003 | 11/06/2025      | 11/06/2024 / Rajesh     | 11/01/2024 / Rajesh         | E3825          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/05/2025      | 12/05/2024 / Rajesh     | 12/05/2024 / Rajesh         | E3843          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/26/2025      | 12/26/2024 / Rajesh     | 12/13/2024 / Rajesh         | E3846          |

## 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 | 07/29/2025      | 01/29/2025 / Rajesh     | 01/29/2025 / Rajesh         | E3872          |

| 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) | 25A0262002 | 07/30/2025      | 01/30/2025 / Rajesh     | 01/20/2025 / Rajesh         | E3874          |

| 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   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/03/2025      | 10/03/2024 / Ankita     | 04/22/2024 / Abdul          | P13350         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 07/20/2025      | 01/20/2025 / Abdul      | 04/22/2024 / Abdul          | P13353         |

| Supplier             | ItemCode / ItemName     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | PP-292-1 / Aroclor 1221 | 0006783205 | 04/03/2025      | 10/03/2024 / Ankita     | 05/02/2024 / Ankita         | P13372         |

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------|---------------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 / Iwona      | 07/03/2024 / Iwona          | W3112          |



**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

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis



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)            | $\leq 5$       | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | $\leq 10$      | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | $\leq 5$       | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | $\geq 99.5 \%$ | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | $\geq 95 \%$   | 98 %        |
| Color (APHA)                                                                    | $\leq 10$      | 5           |
| Residue after Evaporation                                                       | $\leq 1.0$ ppm | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test    | Passes Test |
| Water (by KF, coulometric)                                                      | $\leq 0.05 \%$ | < 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

Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/5/24

E 3843

Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

 **avantors™**



Material No.: 9254-03  
Batch No.: 24H2762008  
Manufactured Date: 2024-04-18  
Expiration Date: 2027-04-18  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 100.0 %     |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.0 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | <0.1 %      |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | 1           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States  
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP On 12/13/24

E 3846



Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

n-Hexane 95%  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis

Avantor™



Material No.: 9262-03  
Batch No.: 24G1962003  
Manufactured Date: 2024-05-23  
Expiration Date: 2025-08-22  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | 3           |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>8</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.1 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

For Laboratory, Research, or Manufacturing Use  
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 1/29/25

E 3872

Jamie Croak  
Director Quality Operations, Bioscience Production

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 25A0262002  
Manufactured Date: 2024-11-21  
Expiration Date: 2026-02-20  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                       | Specification  | Result     |
|--------------------------------------------------------------------------------------------|----------------|------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                       | $\leq 5$       | 1          |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)                        | $\leq 10$      | 4          |
| Assay ( $\text{CH}_2\text{Cl}_2$ ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8\%$  | 99.9%      |
| Color (APHA)                                                                               | $\leq 10$      | 10         |
| Residue after Evaporation                                                                  | $\leq 1.0$ ppm | 0.8 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 3874

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Hydrochloric Acid, 36.5–38.0%  
BAKER INSTRA-ANALYZED® Reagent  
For Trace Metal Analysis



Material No.: 9530-33  
Batch No.: 0000281827  
Manufactured Date: 2021/03/30  
Retest Date: 2026/03/29  
Revision No: 1

## Certificate of Analysis

| Test                                      | Specification | Result  |
|-------------------------------------------|---------------|---------|
| ACS – Assay (as HCl) (by acid–base titrn) | 36.5 – 38.0 % | 37.6    |
| ACS – Color (APHA)                        | <= 10         | 5       |
| ACS – Residue after Ignition              | <= 3 ppm      | 1       |
| ACS – Specific Gravity at 60°/60°F        | 1.185 – 1.192 | 1.189   |
| ACS – Bromide (Br)                        | <= 0.005 %    | < 0.005 |
| ACS – Extractable Organic Substances      | <= 5 ppm      | < 1     |
| ACS – Free Chlorine (as Cl <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



**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:**

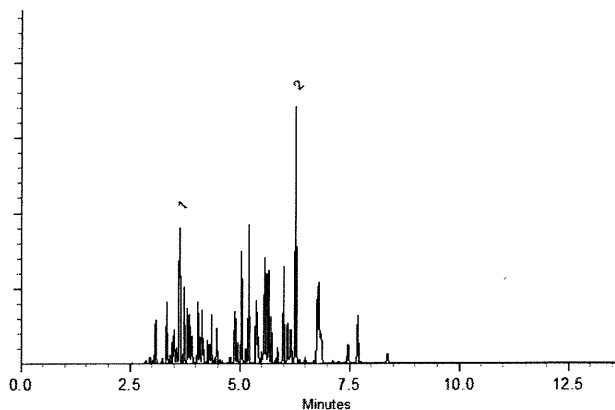
250°C

**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

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Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## Certificate of Analysis



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 32409 Lot No.: A0167722  
Description : Aroclor® 1262 Standard  
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : April 30, 2027 Storage: 25°C nominal  
Handling: This product contains PCBs. Ship: Ambient

### CERTIFIED VALUES

| Elution Order | Compound                        | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|---------------------------------|-----------------------------|--------------------------------------|
| 1             | Aroclor 1262                    | 1,004.0 µg/mL               | +/- 5.9635 µg/mL Gravimetric         |
|               | CAS # 37324-23-5 (Lot 10849100) |                             | +/- 31.8340 µg/mL Unstressed         |
|               | Purity ----%                    |                             | +/- 41.5787 µg/mL Stressed           |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

P10496  
↓  
P10500

AJ  
09/19/21

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

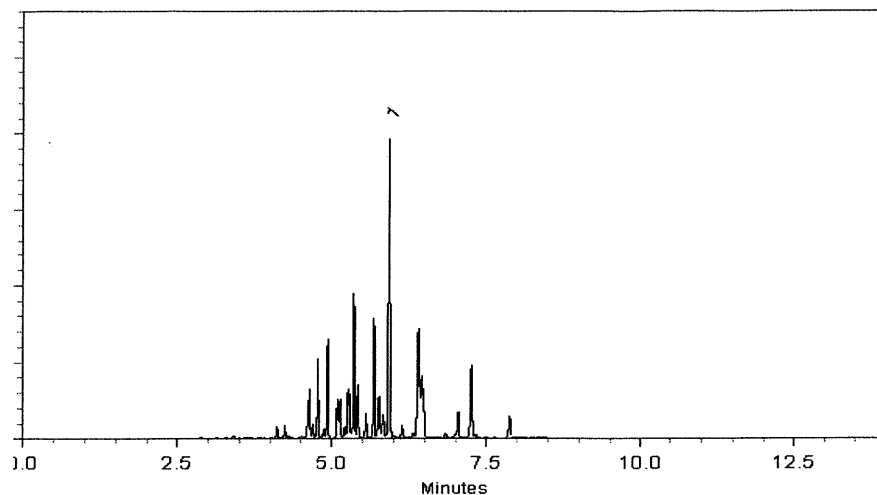
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 03-Jan-2021

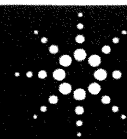
**Balance:** B707717271

*Marlene Cowan*  
Marlene Cowan - Operations Tech I

**Date Passed:** 05-Jan-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

ISO 17034



Agilent

Trusted Answers

## Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

| Component Name | CERTIFIED VALUES |                      |  | CAS#        | Analyte Lot |
|----------------|------------------|----------------------|--|-------------|-------------|
|                | Concentration    | Expanded Uncertainty |  |             |             |
| Aroclor 1242   | 100.4            | ± 0.5 µg/mL          |  | 053469-21-9 | NT01020     |

Matrix: isooctane (2,2,4-trimethylpentane)

**Description:**

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

**Traceability:**

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

**Homogeneity:**

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

**Instructions for Use:**

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

**Safety:**

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this analytical reference material.

**Intended Use:**

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

**Expiration of Certification:**

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11503  
↓  
P11507A7  
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

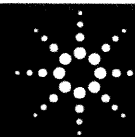
[www.agilent.com/quality/](http://www.agilent.com/quality/)

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.

P11508

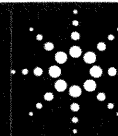
↓

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.

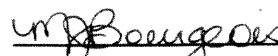
**Expiration of Certification:**

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



CERTIFIED REFERENCE MATERIAL

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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. :** 32007 **Lot No.:** A0175456  
**Description :** Aroclor® 1221 Standard  
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** November 30, 2027 **Storage:** 25°C nominal  
**Handling:** This product contains PCBs. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                        | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|---------------------------------|-----------------------------|--------------------------------------|
| 1             | Aroclor 1221                    | 1,002.0 µg/mL               | +/- 5.9516 µg/mL Gravimetric         |
|               | CAS # 11104-28-2 (Lot 10210500) |                             | +/- 31.7706 µg/mL Unstressed         |
|               | Purity ----%                    |                             | +/- 41.4958 µg/mL Stressed           |

**Solvent:** Hexane  
**CAS #** 110-54-3  
**Purity** 99%

P 11578  
↓  
P 11582 / (S)

AR  
04/30/22

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

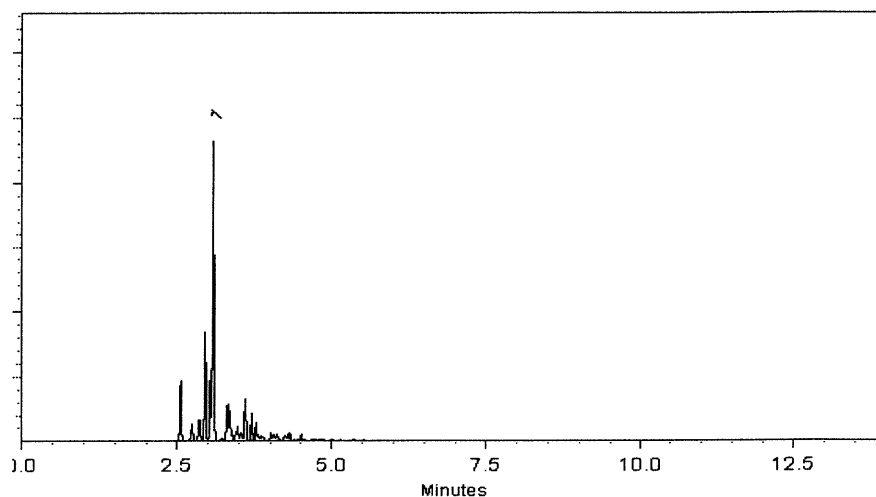
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 Balance: B442140311

*Marlene Cowan*  
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P11578  
↓  
P11582 / (S)

AR  
04/30/22



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## Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 32008 Lot No.: A0173309  
Description : Aroclor® 1232 Standard  
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : September 30, 2027 Storage: 25°C nominal  
Handling: This product contains PCBs. Ship: Ambient

### CERTIFIED VALUES

| Elution Order | Compound                        | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|---------------------------------|-----------------------------|--------------------------------------|
| 1             | Aroclor 1232                    | 1,001.0 µg/mL               | +/- 5.9456 µg/mL Gravimetric         |
|               | CAS # 11141-16-5 (Lot 15665-01) |                             | +/- 31.7389 µg/mL Unstressed         |
|               | Purity ----%                    |                             | +/- 41.4544 µg/mL Stressed           |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

P11583  
↓  
P11587 / (S)

AR  
04/30/22

**Column:**  
30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

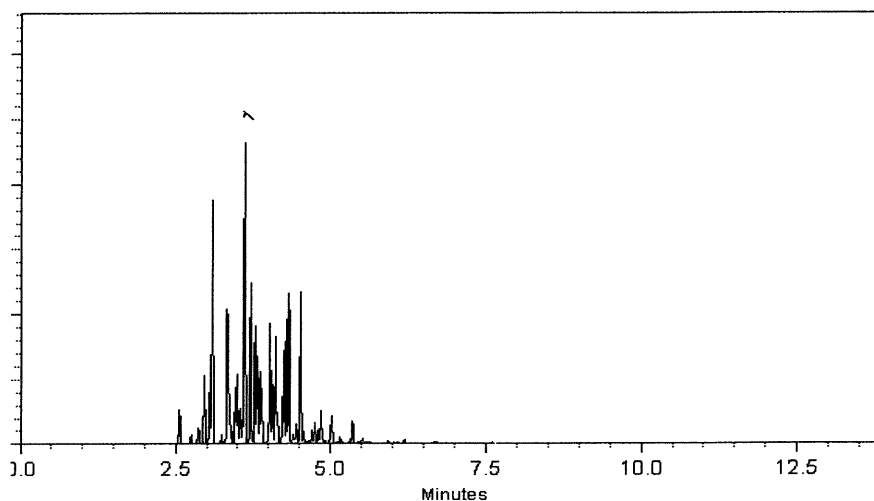
**Carrier Gas:**  
helium-constant pressure 20 psi.

**Temp. Program:**  
200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 13-Jun-2021      **Balance:** B442140311

*Alexis Shelow*  
Alexis Shelow - Operations Tech I

**Date Passed:** 16-Jun-2021

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P11583  
↓  
P11587      (5)

AR  
04/30/22



CERTIFIED REFERENCE MATERIAL

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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. : 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<br>CAS # 11097-69-1 (Lot 124-191-B)<br>Purity ----% | 1,000.7 µg/mL               | +/- 5.9437 µg/mL Gravimetric<br>+/- 31.7284 µg/mL Unstressed<br>+/- 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:**

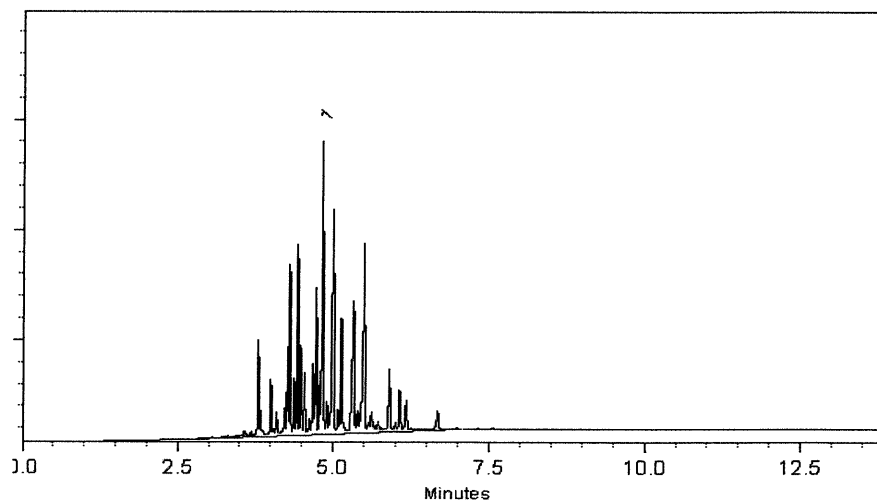
250°C

**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



CERTIFIED REFERENCE MATERIAL

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## Certificate of Analysis



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 32410 Lot No.: A0181782  
Description : Aroclor® 1268 Standard  
Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : May 31, 2028 Storage: 25°C nominal  
Handling: This product contains PCBs. Ship: Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                         | Grav. Conc. (weight/volume)     | Expanded Uncertainty (95% C.L.; K=2)                                                       |
|---------------|--------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------|
| 1             | Aroclor 1268<br>CAS # 11100-14-4<br>Purity ----% | 1,001.4 µg/mL<br>(Lot 10947000) | +/- 5.9480 µg/mL Gravimetric<br>+/- 31.7516 µg/mL Unstressed<br>+/- 41.4710 µg/mL Stressed |

Solvent: Hexane  
CAS # 110-54-3  
Purity 99%

P 11593  
↓  
P 11597  
⑤

UAR  
04/30/2022

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

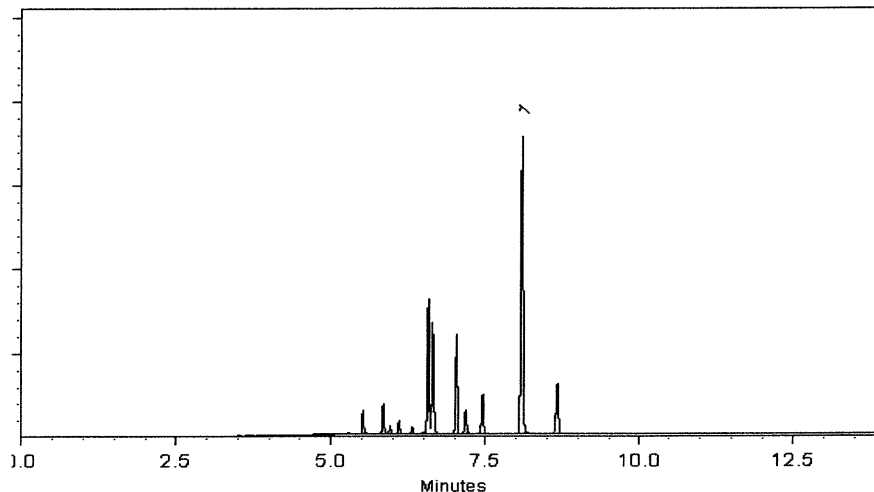
250°C

**Det. Temp:**

300°C

**Det. Type:**

ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Penelope S. Riglin*  
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

*Clara Windle*  
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 11593 / (5)  
↓  
P 11597  
[Signature]  
04/30/2022



## CERTIFIED WEIGHT REPORT

Part Number: **91867**  
 Lot Number: **020823**  
 Description: **WP 037 - Aroclor 1232**  
**PCB Technical Mixture**  
 Expiration Date: **020833**  
 Recommended Storage: **Ambient (20 °C)**  
 Nominal Concentration ( $\mu\text{g/mL}$ ): **100**  
 NIST Test ID#: **6UTB**

Solvent(  
Aceton

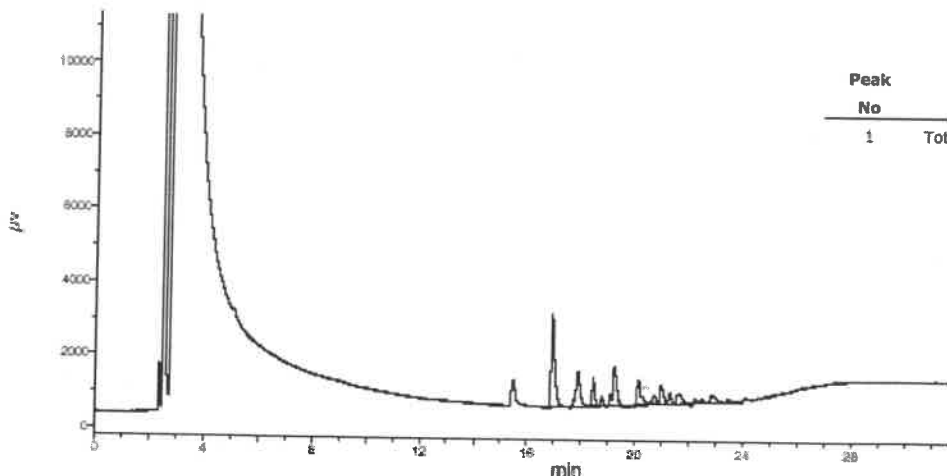
Weight(s) shown below were combined and diluted to (mL): **100.0**  
 5E-05 Balance Uncertainty  
 0.057 Flask Uncertainty

| Compound        | RM# | Lot Number | Nominal Conc ( $\mu\text{g/mL}$ ) | 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 Measure Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Comments

GC3-M1 Analysis by Melissa Stonier  
 Column ID SPB-608 30 meter X 0.53mm 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





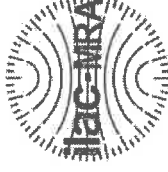
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

[www.restek.com](http://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.:** 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

12/27/23

### 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                           |

**Solvent:** Hexane

**CAS #** 110-54-3

**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

## 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:**

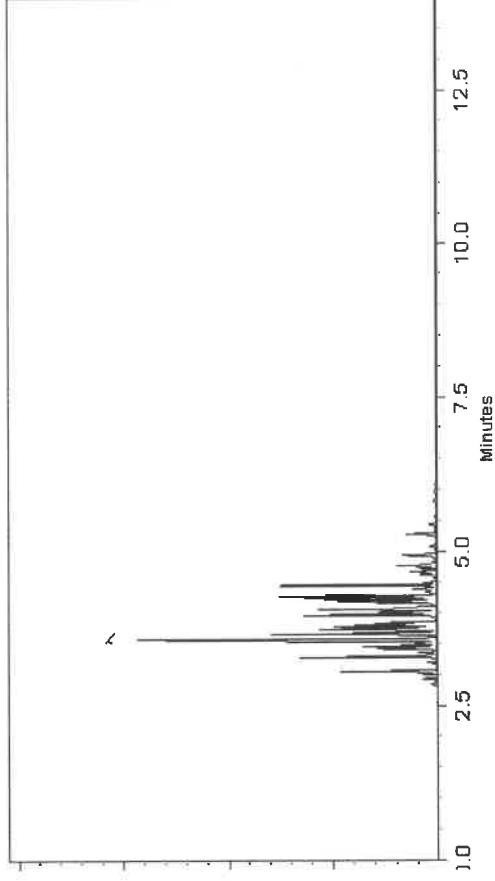
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

0.2ul



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 Boothamer*

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

*Jennifer Polino*

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FW 80397



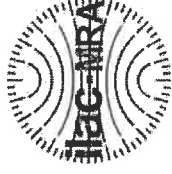
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

[www.restek.com](http://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.:** 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

*P1210967*  
*P1210977*  
*P1210923*

### 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                            |

**Solvent:** Hexane

**CAS #** 110-54-3

**Purity** 99%

\* Expanded Uncertainty displayed in same units as Grav. Conc.

## 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:**

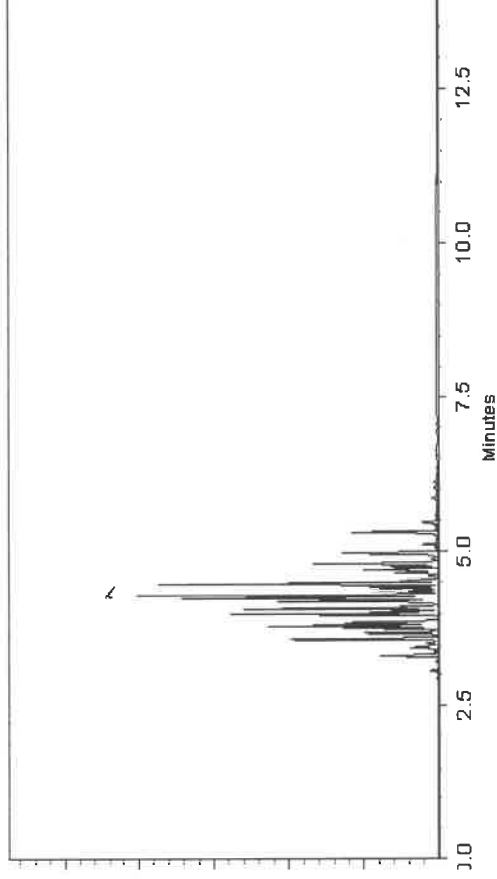
ECD

**Split Vent:**

10 ml/min.

**Inj. Vol**

0.2ul



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*  
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial #

1128360905

*Jennifer Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FW 80397



Certified Reference Material CRM

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

Formulated By:  
Benson Chan

Reviewed By:  
Pedro L. Rentas

DATE  
022023

DATE  
022023

Weight(s) shown below were combined and diluted to (mL.):  
200.0

Balance Uncertainty  
0.010

Flask Uncertainty  
0.010

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

Formulated By:  
Benson Chan

Reviewed By:  
Pedro L. Rentas

DATE  
022023

DATE  
022023

Weight(s) shown below were combined and diluted to (mL.):  
200.0

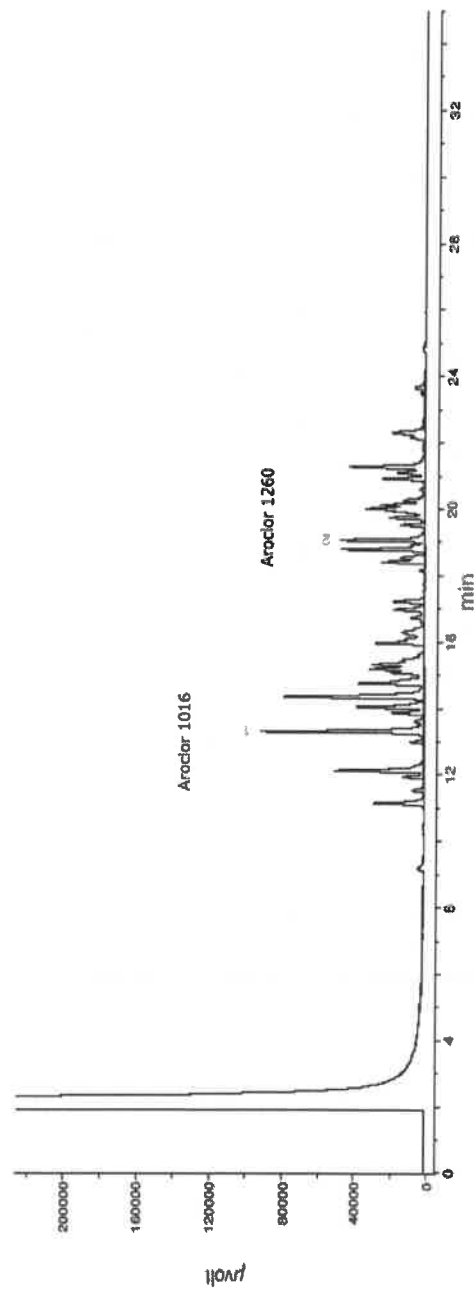
Balance Uncertainty  
0.010

Flask Uncertainty  
0.010

| Compound        | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty (%) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | 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                                | 11086-82-5 | 0.5mg/m3       | orl-rat 1315mg/kg |

\* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.  
\* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).  
\* 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 Stortier  
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 = 280°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 = Etdaq Channel 1  
Standard Injection = 1.5µL, Range=3







CERTIFIED WEIGHT REPORT

Part Number: 99139  
Lot Number: 121823  
Description: Aroclor 1254

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.

Solvent(s): Iso-octane  
Lot#: 82227

|                                |        |      |
|--------------------------------|--------|------|
| Formulated By: Anthony Mahoney | 121823 | DATE |
| Reviewed By: Pedro L. Rentas   | 121823 | DATE |

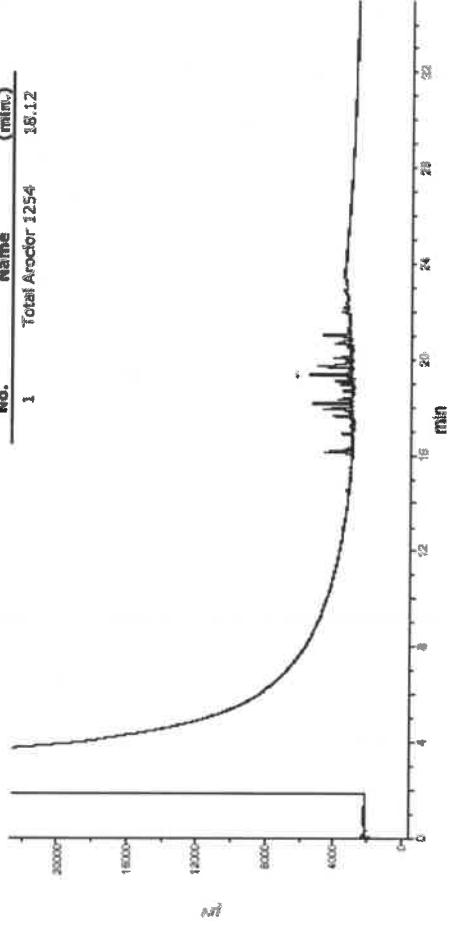
P12956 / Y.P.  
12/18/23  
P12957

| Compound        | Part Number | Lot Number | Dilution Factor | Initial Vol. (mL) | Initial Uncertainty | Pipette (mL) | Conc. (µg/mL) | Initial Conc. (µg/mL) | Final Conc. (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information                        |      |                  |
|-----------------|-------------|------------|-----------------|-------------------|---------------------|--------------|---------------|-----------------------|---------------------|------------------------------------|----------------------------------------|------|------------------|
|                 |             |            |                 |                   |                     |              |               |                       |                     |                                    | (Solvent Safety Info. On Attached pg.) | CAS# | LD50             |
| 1. Aroclor 1254 | 79100       | 121823     | 0.10            | 2.00              | 0.017               | 0.017        | 1003.3        | 100.1                 | 11097-69-1          | 1.8                                | 0.5mg/m3 (skin)                        |      | or-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-608 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 = 250 °C (Time 2 = 13.5 min)  
Rate = 8 °C/min, Total run time = 35 min  
Injector temp. = 200 °C, FID Temp. = 300 °C, FID Signal = EDAQ Channel 1  
Standard injection = 1.5µL, Range=3

| Peak No. | Name               | FID RT (min.) |
|----------|--------------------|---------------|
| 1        | Total Aroclor 1254 | 18.12         |







**CERTIFIED WEIGHT REPORT**

**Part Number:** 90165  
**Lot Number:** 112322  
**Description:** Atrocior 1262  
**Expiration Date:** 112332  
**Recommended Storage:** Ambient (20 °C)  
**Nominal Concentration (µg/mL):** 1000  
**NIST Test ID#:** 6LUTB  
**Weight(s) shown were combined and diluted to (mL):** 50.0

**Solvent(s):** Hexane  
**Lot#** 273615

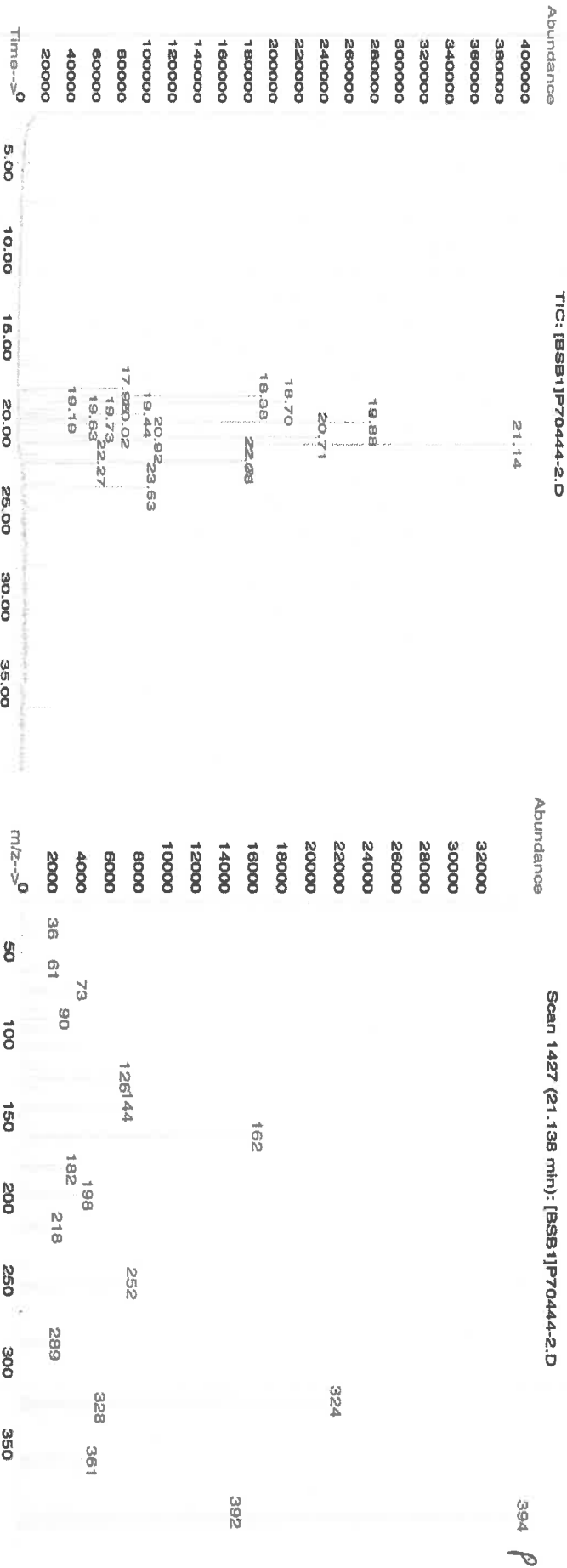
SE-05 Balance Uncertainty  
0.005 Flask Uncertainty

|                |                  |        |      |
|----------------|------------------|--------|------|
| Formulated By: | Prashant Chauhan | 112322 | DATE |
| Reviewed By:   | Pedro L. Rentes  | 112322 | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (±) (µg/mL) | CAS# | OSHA PEL (TWA) | LD50 |
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|----------------------------------|------|----------------|------|
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|----------------------------------|------|----------------|------|

1. Atrocior 1262 444 W-130-05 1000 100 0.2 0.05003 0.05016 1002.7 4.5 37324-23-5 N/A or-ral 11300mg/kg

Method GC/MSD-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, (1996).

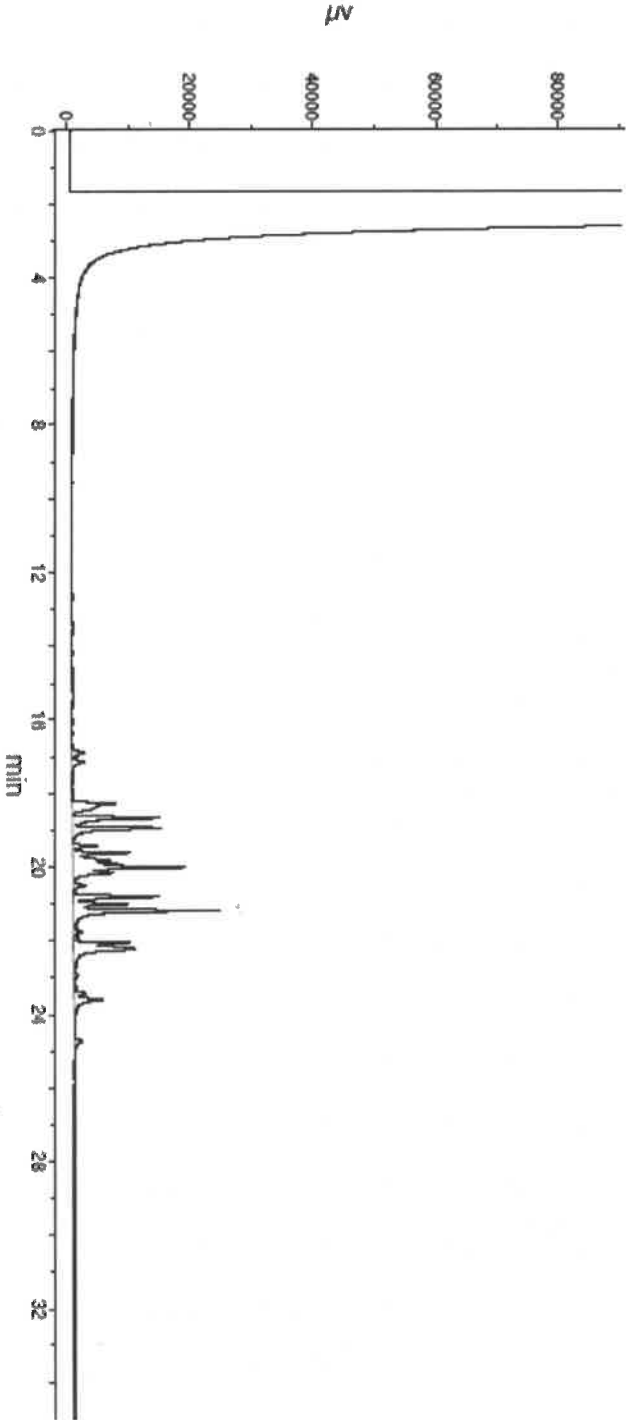


# Run 20, "P90165 L112322 [1000µg/mL in hexane]"

Run Length: 35.00 min, 21000 points at 10 points/second.  
Created: Thu, Dec 8, 2022 at 2:31:02 AM.  
Sampled: Sequence "120722-GC3M1", Method "GC3-M1".  
Analyzed using Method "GC3-M1".

## Comments

GC3-M1 Analysis by Melissa Stonier  
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness  
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min  
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min  
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 290°C (Time 2 = 13.5 min)  
Rate = 8°C/min, Total run time = 35 min  
Injector temp. = 200°C, FID Temp. = 300°C. FID Signal = Edaq Channel 1  
Standard injection = 1.5µL, Range=3





110 Benner Circle  
Bellefonte, PA 16823-8812  
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Fax: 1-814-353-1309

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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  
↓  
P13357  
10  
DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

## Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

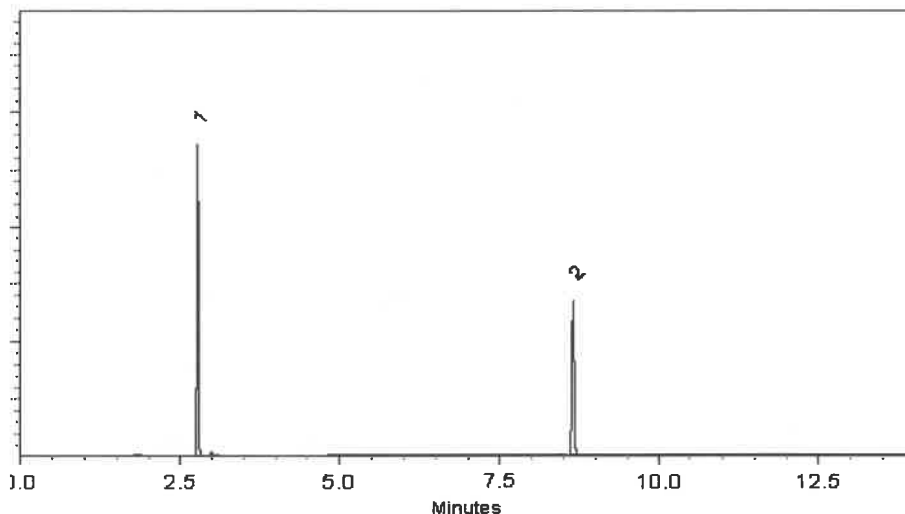
ECD

**Split Vent:**

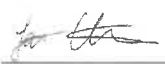
10 ml/min.

**Inj. Vol**

1µl

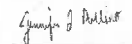


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

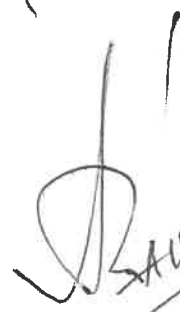
Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
↓  
P 13357  
10

  
SAUF  
04/25/2025



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Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### 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  
↓  
P13357  
10  
DAUF  
04/25/2024

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #     | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|-----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4,5,6-Tetrachloro-m-xylene | 877-09-8  | RP220407 | 99%    | 200.3 µg/mL                 | +/- 11.1143                            |
| 2             | Decachlorobiphenyl (BZ# 209) | 2051-24-3 | 30638    | 99%    | 200.6 µg/mL                 | +/- 11.1298                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Acetone  
**CAS #** 67-64-1  
**Purity** 99%

### Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

# Quality Confirmation Test

**Column:**

30m x .25mm x .2um  
Rtx-CLP II (cat.# 11323)

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

200°C to 300°C  
@ 25°C/min. ( hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

300°C

**Det. Type:**

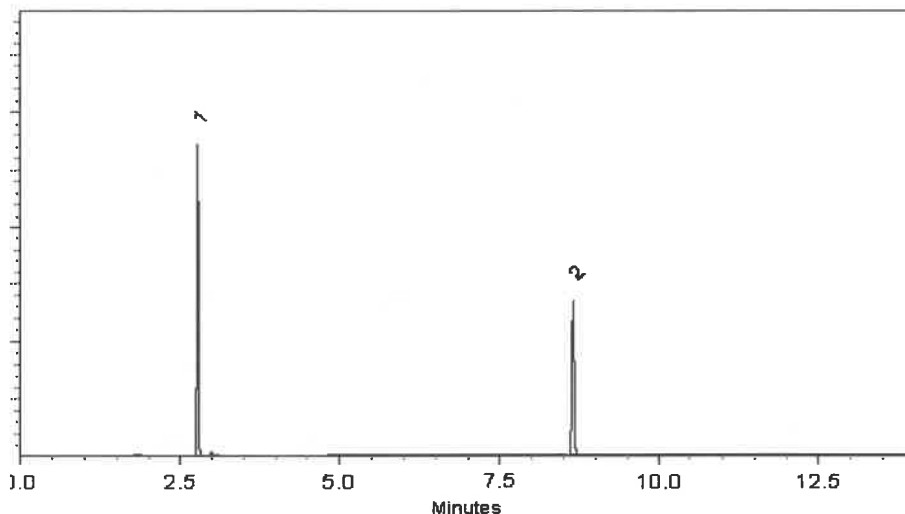
ECD

**Split Vent:**

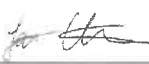
10 ml/min.

**Inj. Vol**

1µl

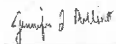


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

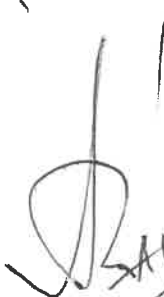
Balance Serial # 1128360905

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

P 13348  
↓  
P 13357  
10

  
SAUF  
04/25/2025



ISO 17034

## Reference Material Certificate

### Product Information Sheet

**Product Name:** Aroclor 1221 Standard  
**Product Number:** PP-292-1  
**Storage Conditions:** Store at Room Temperature (15° to 30°C).

**Lot Number:** 0006783205  
**Lot Issue Date:** 20-Feb-2024  
**Expiration Date:** 31-Mar-2032

| Component Name | Concentration | Uncertainty | CAS#        | Analyte Lot |
|----------------|---------------|-------------|-------------|-------------|
| Aroclor 1221   | 100.3 ±       | 0.5 µg/mL   | 011104-28-2 | NT01017     |

**Matrix:** isooctane (2,2,4-trimethylpentane)

#### Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

#### Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

#### Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

#### Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

#### Safety:

Refer to the Safety Data Sheet on [www.agilent.com](http://www.agilent.com) for information regarding this analytical reference material.

#### Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

#### Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P13342  
AJ  
05106124  
P13343

Page: 1 of 2

CSD-QA-015.2

ISO 17025  
Cert No. AT-1937

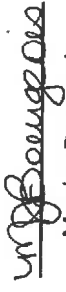
250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)



**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

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Spectra East inc  
ADDRESS: 8 King Road  
CITY: Rockleigh STATE: NJ ZIP: 07647  
ATTENTION: Jacob Valeich  
PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: outfall 001-Orangetown  
PROJECT NO.: D.S permit 2025 LOCATION:  
PROJECT MANAGER:  
e-mail:  
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:  
ADDRESS:  
CITY: STATE: ZIP:  
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*  
HARDCOPY (DATA PACKAGE): \_\_\_\_\_ DAYS\*  
EDD: \_\_\_\_\_ DAYS\*

\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other \_\_\_\_\_  
☐ EDD FORMAT

1. Oil & Grease + Mynal  
2. Phenolics  
3. SVOC  
4. PCB  
5. Pesticides  
6. NH4-N  
7. BOD5  
8. TSS  
9. VOC →

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |
| 1.                       | Manhole                          | W                | ✓              |      | 2-6-25               | 1055 | 19           | ✓             | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |          |
| 2.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   | PH 8.22  |
| 3.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 4.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 5.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 6.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                          |                          |                                 |                                                                                                                                                                            |
|--------------------------|--------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>1150</u>   | RECEIVED BY: <u>[Signature]</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>3.16</u> °C |
| 1. <u>[Signature]</u>    | DATE/TIME: <u>2-6-25</u> | 1. <u>[Signature]</u>           | Comments:                                                                                                                                                                  |
| RELINQUISHED BY SAMPLER: | DATE/TIME:               | RECEIVED BY:                    |                                                                                                                                                                            |
| 2. <u>[Signature]</u>    |                          | 2. <u>[Signature]</u>           |                                                                                                                                                                            |
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>1830</u>   | RECEIVED BY:                    |                                                                                                                                                                            |
| 3. <u>[Signature]</u>    | DATE/TIME: <u>2-6-25</u> | 3. <u>[Signature]</u>           |                                                                                                                                                                            |

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Spectra East Inc.

ADDRESS: 8 King Road

CITY: Rockleigh STATE: NJ ZIP: 07647

ATTENTION: Jacob Valeich

PHONE: 201-767-7070 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Outfall 001-0mngz+bwn Dis permit 2025

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*

HARDCOPY (DATA PACKAGE): DAYS\*

EDD: DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other

☐ EDD FORMAT

Metals  
Cyanide  
Cyanide-Ammonia  
COD  
Ammonia  
LL Hg

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES |   |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |
| 1.                       | Manhole                          | W                | ✓              |      | 2-6-25               | 1055 | 19           | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   |   |          |
| 2.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 3.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 4.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 5.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 6.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 7.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |          |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                          |                           |                                            |                                                                                                                                                                    |
|--------------------------|---------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1150<br>2-6-25 | RECEIVED BY: [Signature]<br>1150<br>2-6-25 | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP 3.1 °C |
| 1.                       |                           |                                            | Comments:                                                                                                                                                          |
| RELINQUISHED BY SAMPLER: | DATE/TIME:                | RECEIVED BY:                               |                                                                                                                                                                    |
| 2.                       |                           |                                            |                                                                                                                                                                    |
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1830<br>2-6-25 | RECEIVED BY:                               |                                                                                                                                                                    |
| 3.                       |                           |                                            |                                                                                                                                                                    |

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                         |               |                                                  |                                   |
|-----------------------------------------|---------------|--------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q1322                 | <b>SPEC01</b> | <b>Order Date :</b> 2/6/2025 1:17:00 PM          | <b>Project Mgr :</b>              |
| <b>Client Name :</b> Spectra East Inc.  |               | <b>Project Name :</b> Outfall 001 - Orangetown E | <b>Report Type :</b> Level 2      |
| <b>Client Contact :</b> Jacob Valeich   |               | <b>Receive DateTime :</b> 2/6/2025 12:00:00 AM   | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> Spectra East Inc. |               | <b>Purchase Order :</b> 18:30                    | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Jacob Valeich  |               |                                                  | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|-----------|--------|-------------|-------------|--------------|------------|--------|--------------|-----------|
| Q1322-01 | MANHOLE   | Water  | 02/06/2025  | 10:55       | VOCMS Group1 |            | 624.1  | 10 Bus. Days |           |

Relinquished By :   *JA*  

Date / Time : 2-7-25 10:23

Received By :   *Sam*  

Date / Time : 2/7/25 10:23

Storage Area : VOA Refridgerator Room