

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |                        |                   |                             |
|-----------------|------------------------|-------------------|-----------------------------|
| <b>OrderID:</b> | Q1498                  | <b>OrderDate:</b> | 3/5/2025 1:57:00 PM         |
| <b>Client:</b>  | ATC Group Services LLC | <b>Project:</b>   | P.S. 29 Queens - 2022SCA425 |
| <b>Contact:</b> | Olga Seldinas          | <b>Location:</b>  | F11                         |

| LabID           | ClientID                            | Matrix       | Test       | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-------------------------------------|--------------|------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1498-01</b> | <b>4A-4B-4C-1928<br/>BLD-WINDOW</b> | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-02</b> | <b>5A-5B-5C-1985 BLDG</b>           | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-03</b> | <b>6A-6B-6C-1985</b>                | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-04</b> | <b>7A-7B-7C-ROOF-5</b>              | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-05</b> | <b>8A-8B-8C-ROOF-5</b>              | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-06</b> | <b>9A-9B-9C-ROOF-6</b>              | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |
| <b>Q1498-07</b> | <b>10A-10B-10C-ROOF-6</b>           | <b>CAULK</b> |            |        | <b>03/02/25</b> |           |           | <b>03/05/25</b> |
|                 |                                     |              | PCB Group1 | 8082A  |                 | 03/06/25  | 03/06/25  |                 |



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

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

**SDG No.:** Q1498

**Order ID:** Q1498

**Client:** ATC Group Services LLC

**Project ID:** P.S. 29 Queens - 2022SCA425

---

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

Client ID :

**Total Concentration:** 0.000



# QC SUMMARY

### Surrogate Summary

SDG No.: Q1498

Client: ATC Group Services LLC

Analytical Method: 8082A

| Lab Sample ID    | Client ID                | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|--------------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                          |                      |        |       |        |     |      | Low    | High |
| I.BLK-PO109425.D | PIBLK-PO109425.D         | Tetrachloro-m-xylene | 1      | 20    | 25.3   | 126 |      | 60     | 140  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 25.3   | 126 |      | 60     | 140  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 24.1   | 121 |      | 60     | 140  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 25.5   | 127 |      | 60     | 140  |
| I.BLK-PO109652.D | PIBLK-PO109652.D         | Tetrachloro-m-xylene | 1      | 20    | 20.3   | 101 |      | 60     | 140  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 19.1   | 96  |      | 60     | 140  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 21.5   | 107 |      | 60     | 140  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 20.4   | 102 |      | 60     | 140  |
| PB167003BL       | PB167003BL               | Tetrachloro-m-xylene | 1      | 20    | 23.0   | 115 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 22.1   | 110 |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 23.4   | 117 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 23.2   | 116 |      | 32     | 175  |
| PB167003BS       | PB167003BS               | Tetrachloro-m-xylene | 1      | 20    | 23.3   | 116 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 23.3   | 117 |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 23.5   | 118 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 24.3   | 121 |      | 32     | 175  |
| Q1498-01         | 4A-4B-4C-1928 BLD-WINDOW | Tetrachloro-m-xylene | 1      | 20    | 22.9   | 115 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 20.7   | 104 |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 23.8   | 119 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 22.6   | 113 |      | 32     | 175  |
| Q1498-02         | 5A-5B-5C-1985 BLDG       | Tetrachloro-m-xylene | 1      | 20    | 23.8   | 119 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 13.6   | 68  |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 25.7   | 129 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 13.4   | 67  |      | 32     | 175  |
| Q1498-03         | 6A-6B-6C-1985            | Tetrachloro-m-xylene | 1      | 20    | 22.3   | 111 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 16.9   | 85  |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 22.6   | 113 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 19.5   | 97  |      | 32     | 175  |
| Q1498-04         | 7A-7B-7C-ROOF-5          | Tetrachloro-m-xylene | 1      | 20    | 21.1   | 106 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 18.3   | 91  |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 22.9   | 114 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 19.3   | 96  |      | 32     | 175  |
| Q1498-05         | 8A-8B-8C-ROOF-5          | Tetrachloro-m-xylene | 1      | 20    | 14.8   | 74  |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 16.6   | 83  |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 16.4   | 82  |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 18.1   | 91  |      | 32     | 175  |
| Q1498-06         | 9A-9B-9C-ROOF-6          | Tetrachloro-m-xylene | 1      | 20    | 21.9   | 110 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 1      | 20    | 18.2   | 91  |      | 32     | 175  |
|                  |                          | Tetrachloro-m-xylene | 2      | 20    | 24.2   | 121 |      | 32     | 144  |
|                  |                          | Decachlorobiphenyl   | 2      | 20    | 20.8   | 104 |      | 32     | 175  |
| Q1498-07         | 10A-10B-10C-ROOF-6       | Tetrachloro-m-xylene | 1      | 20    | 19.0   | 95  |      | 32     | 144  |

### Surrogate Summary

SDG No.: Q1498

Client: ATC Group Services LLC

Analytical Method: 8082A

| Lab Sample ID    | Client ID          | Parameter            | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|--------------------|----------------------|--------|-------|--------|-----|------|--------|------|
|                  |                    |                      |        |       |        |     |      | Low    | High |
| Q1498-07         | 10A-10B-10C-ROOF-6 | Decachlorobiphenyl   | 1      | 20    | 19.6   | 98  |      | 32     | 175  |
|                  |                    | Tetrachloro-m-xylene | 2      | 20    | 20.8   | 104 |      | 32     | 144  |
|                  |                    | Decachlorobiphenyl   | 2      | 20    | 22.6   | 113 |      | 32     | 175  |
| I.BLK-PO109666.D | PIBLK-PO109666.D   | Tetrachloro-m-xylene | 1      | 20    | 17.7   | 89  |      | 60     | 140  |
|                  |                    | Decachlorobiphenyl   | 1      | 20    | 16.1   | 80  |      | 60     | 140  |
|                  |                    | Tetrachloro-m-xylene | 2      | 20    | 18.9   | 95  |      | 60     | 140  |
|                  |                    | Decachlorobiphenyl   | 2      | 20    | 17.8   | 89  |      | 60     | 140  |



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

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1498

Client: ATC Group Services LLC

Analytical Method: 8082A Datafile : PO109654.D

| Lab Sample ID | Parameter  | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |            |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB167003BS    | AR1016     | 166.6 | 173    | ug/kg | 104 |     |      |      | 71  | 120    |     |
|               | AR1260     | 166.6 | 170    | ug/kg | 102 |     |      |      | 65  | 130    |     |
|               | Total PCBs | 0     | 343    | ug/kg |     |     |      |      | 0   | 0      |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167003BL

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498

SAS No.: Q1498 SDG NO.: Q1498

Lab Sample ID: PB167003BL

Lab File ID: PO109653.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/06/2025

Date Analyzed (1): 03/06/2025

Date Analyzed (2): 03/06/2025

Time Analyzed (1): 12:29

Time Analyzed (2): 12:29

Instrument ID (1): ECD\_O

Instrument ID (2): ECD\_O

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

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

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

| EPA<br>SAMPLE NO.        | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|--------------------------|------------------|----------------|--------------------|--------------------|
| PB167003BS               | PB167003BS       | PO109654.D     | 03/06/2025         | 03/06/2025         |
| 4A-4B-4C-1928 BLD-WINDOW | Q1498-01         | PO109655.D     | 03/06/2025         | 03/06/2025         |
| 5A-5B-5C-1985 BLDG       | Q1498-02         | PO109656.D     | 03/06/2025         | 03/06/2025         |
| 6A-6B-6C-1985            | Q1498-03         | PO109657.D     | 03/06/2025         | 03/06/2025         |
| 7A-7B-7C-ROOF-5          | Q1498-04         | PO109658.D     | 03/06/2025         | 03/06/2025         |
| 8A-8B-8C-ROOF-5          | Q1498-05         | PO109659.D     | 03/06/2025         | 03/06/2025         |
| 9A-9B-9C-ROOF-6          | Q1498-06         | PO109660.D     | 03/06/2025         | 03/06/2025         |
| 10A-10B-10C-ROOF-6       | Q1498-07         | PO109661.D     | 03/06/2025         | 03/06/2025         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 4A-4B-4C-1928 BLD-WINDOW    | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-01                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 7.28 Units: g               | Decanted:          |            |
| Soil Aliquot Vol:  | uL                          | Final Vol:         | 10000 uL   |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | Injection Volume : |            |
| PH :               |                             |                    |            |
| Prep Method :      | SW3541B                     |                    |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109655.D        | 1         | 03/06/25 08:23 | 03/06/25 13:06 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 14.0  | U         | 14.0     | 70.1       | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 26.4  | U         | 26.4     | 70.1       | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 14.0  | U         | 14.0     | 70.1       | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 14.0  | U         | 14.0     | 70.1       | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 32.5  | U         | 32.5     | 70.1       | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 11.3  | U         | 11.3     | 70.1       | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 18.8  | U         | 18.8     | 70.1       | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 14.1  | U         | 14.1     | 70.1       | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 12.0  | U         | 12.0     | 70.1       | ug/kg   |
| Total PCBs        | Total PCBs           | 32.5  | U         | 32.5     | 70.1       | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 23.8  |           | 32 - 144 | 119%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 22.6  |           | 32 - 175 | 113%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : PO109655.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 13:06  
 Operator : YP/AJ  
 Sample : Q1498-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
 ECD\_O  
**ClientSampleId :**  
 4A-4B-4C-1928 BLD-WINDOW

**Manual Integrations**  
**APPROVED**

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 13:43:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.696 | 3.694 | 217.3E6 | 124.6E6  | 22.954m | 23.813m |
| 2) SA Decachlor...          | 8.756 | 8.707 | 178.3E6 | 71992286 | 20.728  | 22.609m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109655.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 13:06  
Operator : YP/AJ  
Sample : Q1498-01  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

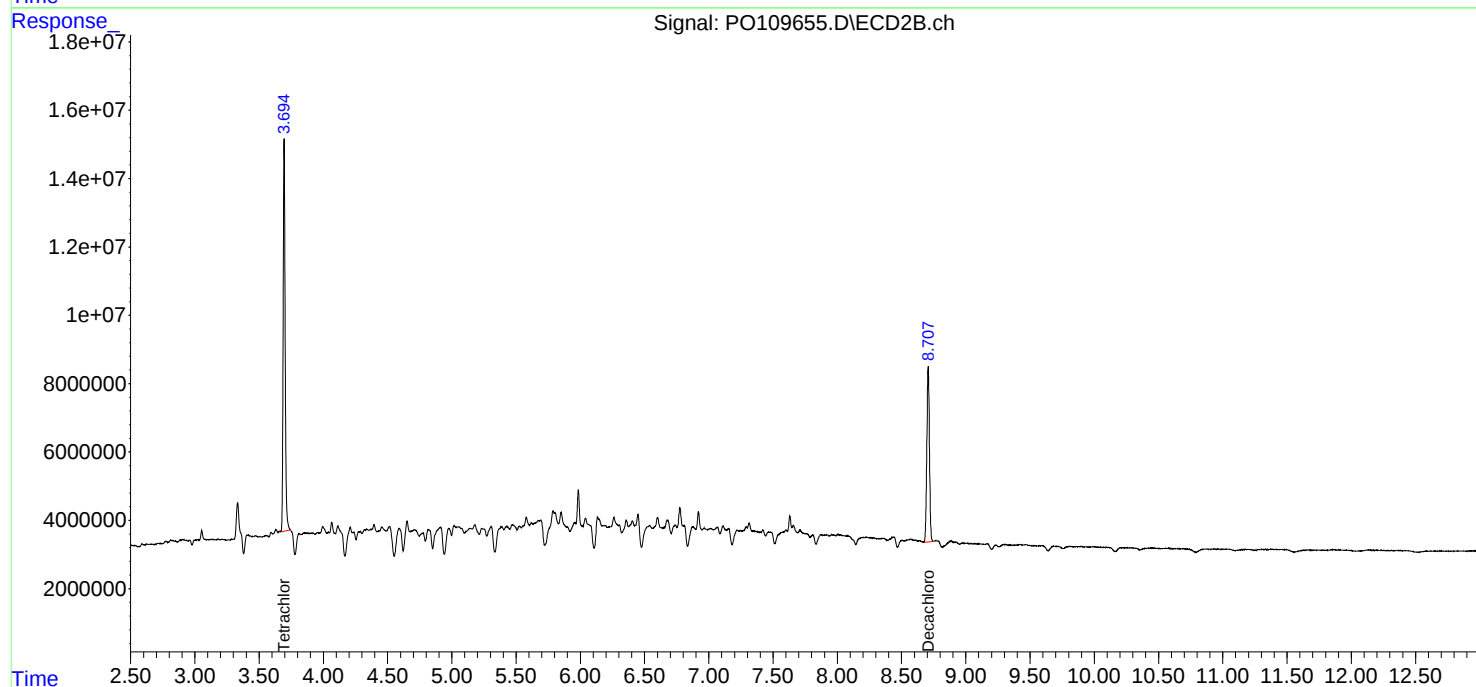
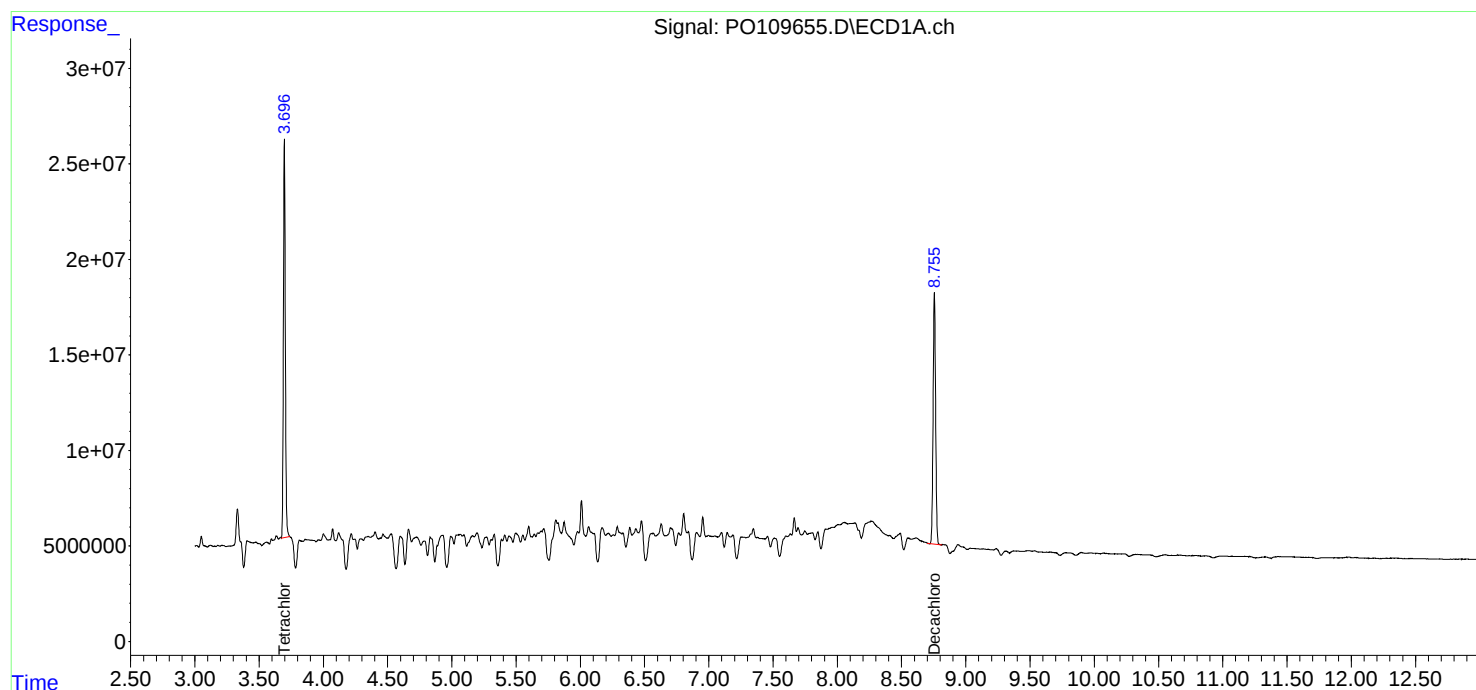
Instrument :  
ECD\_O  
ClientSampleId :  
4A-4B-4C-1928 BLD-WINDOW

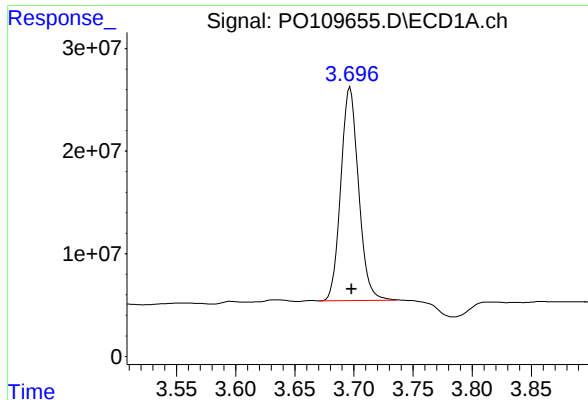
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:43:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





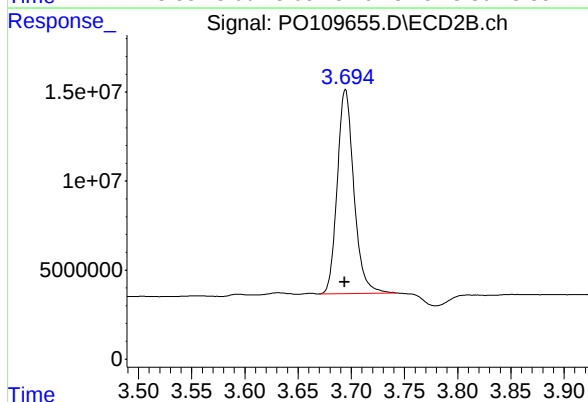
## #1 Tetrachloro-m-xylene

R.T.: 3.696 min  
 Delta R.T.: -0.002 min  
 Response: 217262573  
 Conc: 22.95 ng/ml

Instrument :  
 ECD\_O  
 ClientSampleId :  
 4A-4B-4C-1928 BLD-WINDOW

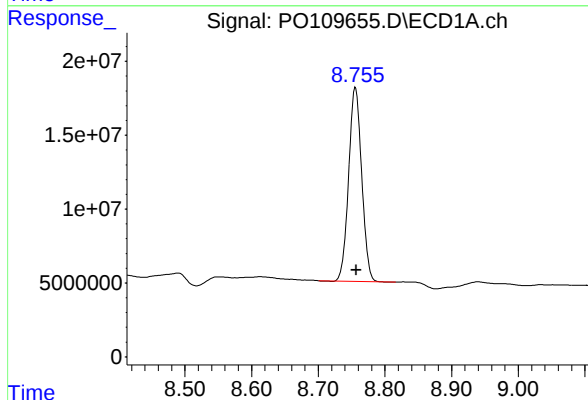
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025



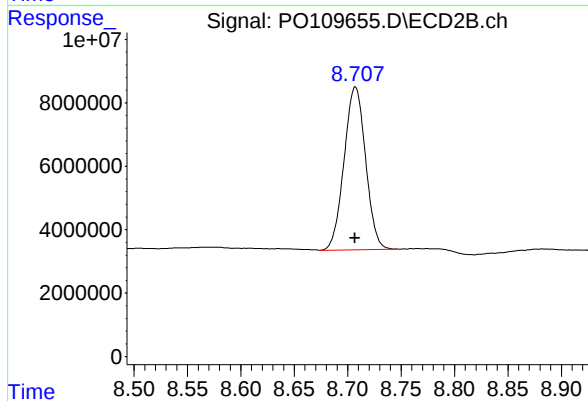
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
 Delta R.T.: 0.000 min  
 Response: 124640148  
 Conc: 23.81 ng/ml m



## #2 Decachlorobiphenyl

R.T.: 8.756 min  
 Delta R.T.: 0.000 min  
 Response: 178301089  
 Conc: 20.73 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.707 min  
 Delta R.T.: 0.000 min  
 Response: 71992286  
 Conc: 22.61 ng/ml m

## Report of Analysis

|                    |                             |                    |                    |
|--------------------|-----------------------------|--------------------|--------------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25           |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25           |
| Client Sample ID:  | 5A-5B-5C-1985 BLDG          | SDG No.:           | Q1498              |
| Lab Sample ID:     | Q1498-02                    | Matrix:            | CAULK              |
| Analytical Method: | SW8082A                     | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 1.86      Units:    g       | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                          | Test:              | PCB Group1         |
| Extraction Type:   |                             | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :               |                    |                    |
| Prep Method :      | SW3541B                     |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109656.D        | 1         | 03/06/25 08:23 | 03/06/25 13:24 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 54.7  | U         | 54.7     | 274        | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 103   | U         | 103      | 274        | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 54.8  | U         | 54.8     | 274        | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 54.7  | U         | 54.7     | 274        | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 127   | U         | 127      | 274        | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 44.0  | U         | 44.0     | 274        | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 73.7  | U         | 73.7     | 274        | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 55.3  | U         | 55.3     | 274        | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 46.9  | U         | 46.9     | 274        | ug/kg   |
| Total PCBs        | Total PCBs           | 127   | U         | 127      | 274        | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 25.7  |           | 32 - 144 | 129%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 13.6  |           | 32 - 175 | 68%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : PO109656.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 13:24  
 Operator : YP/AJ  
 Sample : Q1498-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 5A-5B-5C-1985 BLDG

**Manual Integrations**  
**APPROVED**

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 13:44:35 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 224.8E6 | 134.7E6  | 23.755m | 25.735m |
| 2) SA Decachlor...          | 8.755 | 8.708 | 116.5E6 | 42841917 | 13.548m | 13.454m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109656.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 13:24  
Operator : YP/AJ  
Sample : Q1498-02  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

## Instrument :

ECD\_O

## ClientSampleId :

5A-5B-5C-1985 BLDG

## Manual Integrations

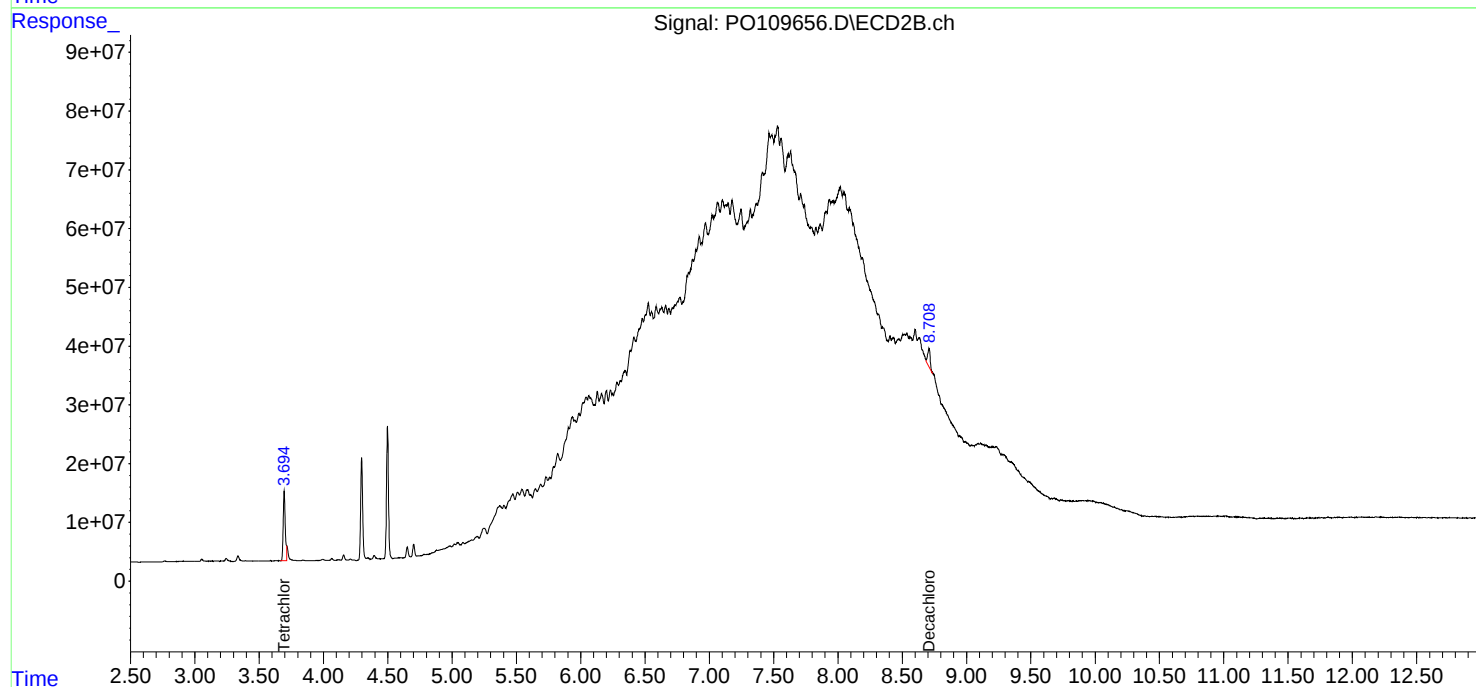
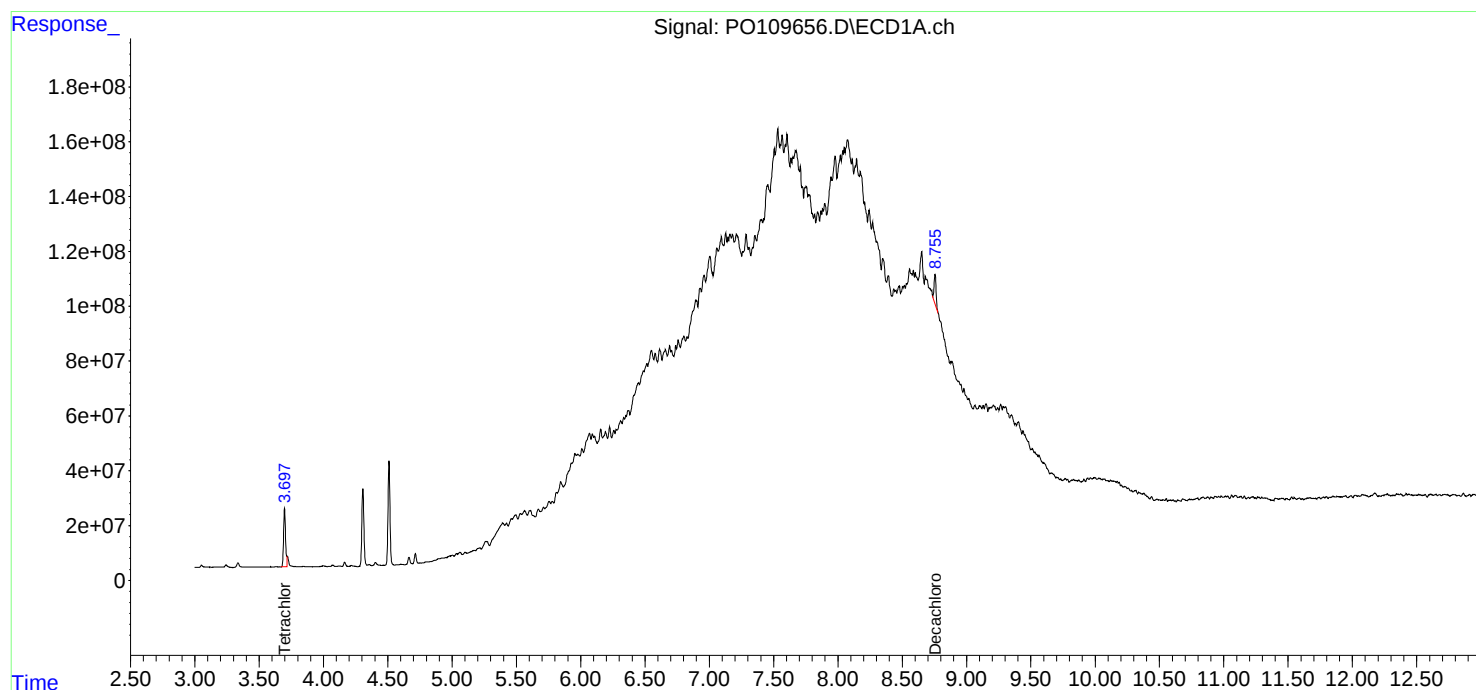
## APPROVED

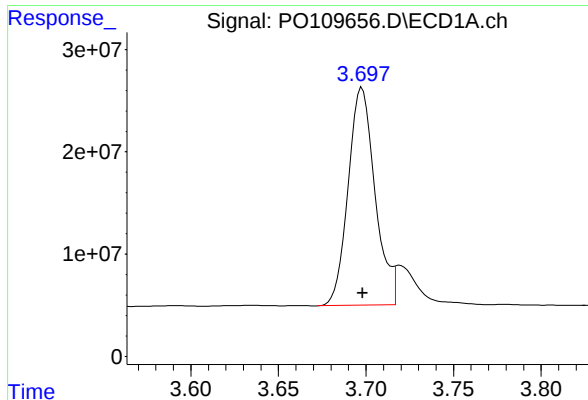
Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:44:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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





## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 224843638  
Conc: 23.75 ng/ml

Instrument :

ECD\_O

ClientSampleId :

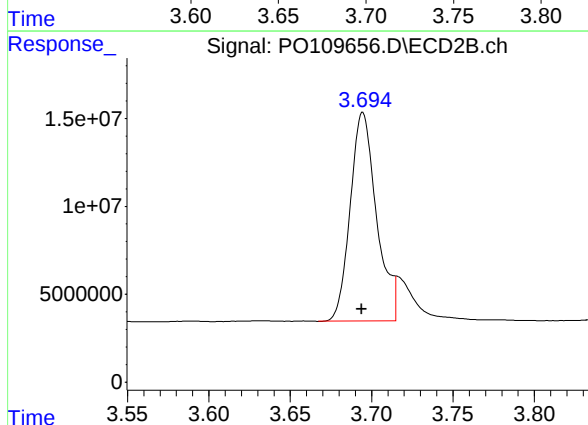
5A-5B-5C-1985 BLDG

## Manual Integrations

APPROVED

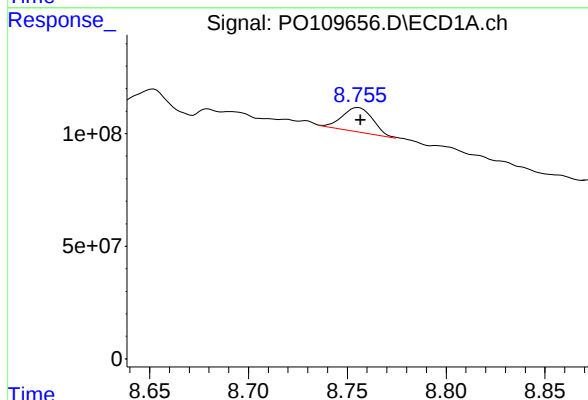
Reviewed By :Yogesh Patel 03/07/2025

Supervised By :mohammad ahmed 03/08/2025



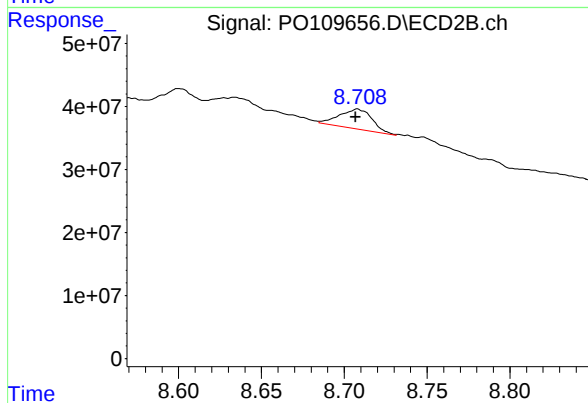
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 134701936  
Conc: 25.73 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.755 min  
Delta R.T.: -0.002 min  
Response: 116534461  
Conc: 13.55 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.708 min  
Delta R.T.: 0.001 min  
Response: 42841917  
Conc: 13.45 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 6A-6B-6C-1985               | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-03                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 2.24                        | Units:             | g          |
| Soil Aliquot Vol:  |                             |                    | uL         |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | PH :               |            |
| Prep Method :      | SW3541B                     | Injection Volume : |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109657.D        | 1         | 03/06/25 08:23 | 03/06/25 13:43 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 45.4  | U         | 45.4     | 228        | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 85.8  | U         | 85.8     | 228        | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 45.5  | U         | 45.5     | 228        | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 45.4  | U         | 45.4     | 228        | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 106   | U         | 106      | 228        | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 36.6  | U         | 36.6     | 228        | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 61.2  | U         | 61.2     | 228        | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 45.9  | U         | 45.9     | 228        | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 39.0  | U         | 39.0     | 228        | ug/kg   |
| Total PCBs        | Total PCBs           | 106   | U         | 106      | 228        | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 22.6  |           | 32 - 144 | 113%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 19.5  |           | 32 - 175 | 97%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109657.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 13:43  
 Operator : YP/AJ  
 Sample : Q1498-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 6A-6B-6C-1985

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 14:10:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.695 | 211.0E6 | 118.6E6  | 22.288 | 22.653 |
| 2) SA Decachlor...          | 8.757 | 8.709 | 145.5E6 | 61958839 | 16.918 | 19.458 |

Target Compounds

-----

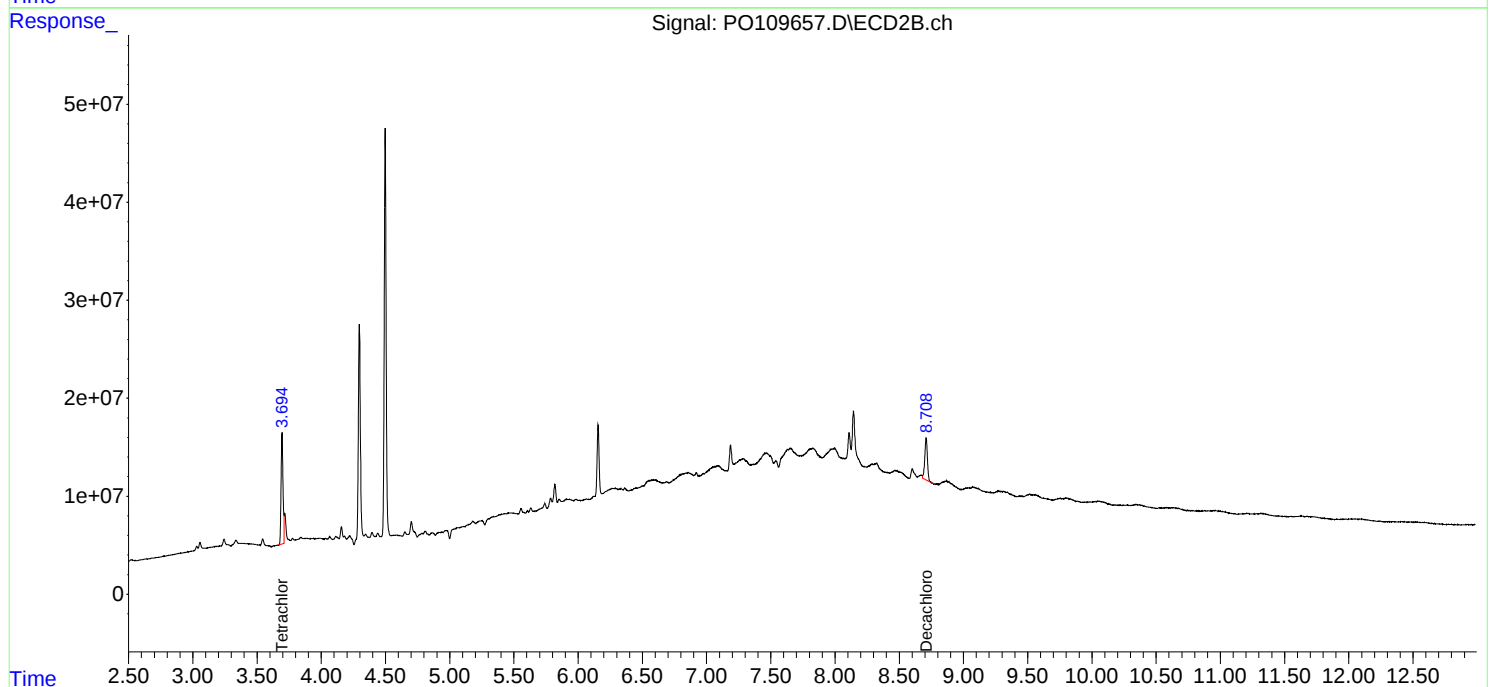
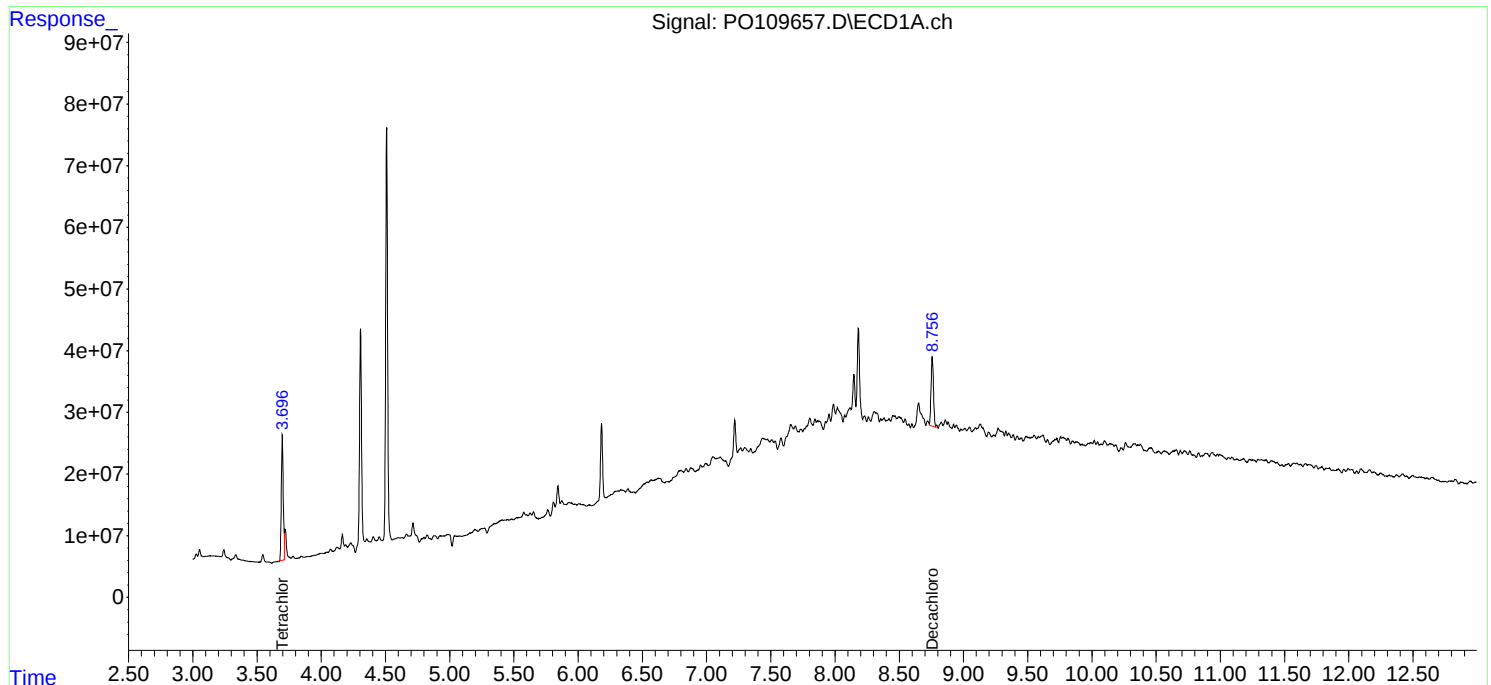
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

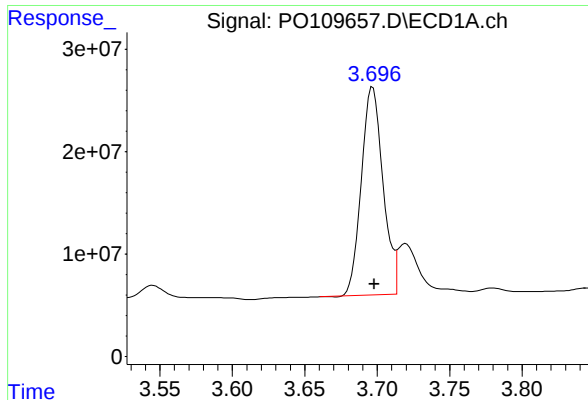
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109657.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 13:43  
Operator : YP/AJ  
Sample : Q1498-03  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
6A-6B-6C-1985

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 14:10:28 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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

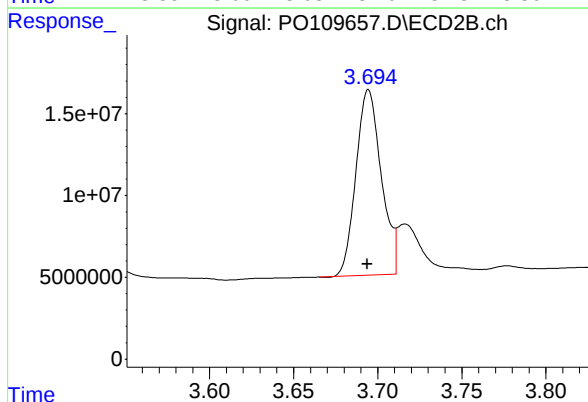




## #1 Tetrachloro-m-xylene

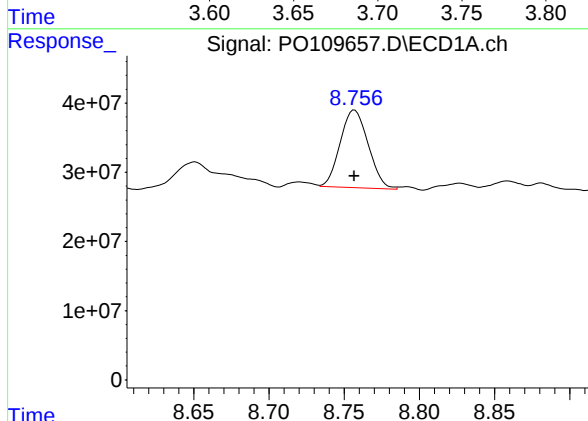
R.T.: 3.697 min  
Delta R.T.: -0.001 min  
Response: 210959703  
Conc: 22.29 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
6A-6B-6C-1985



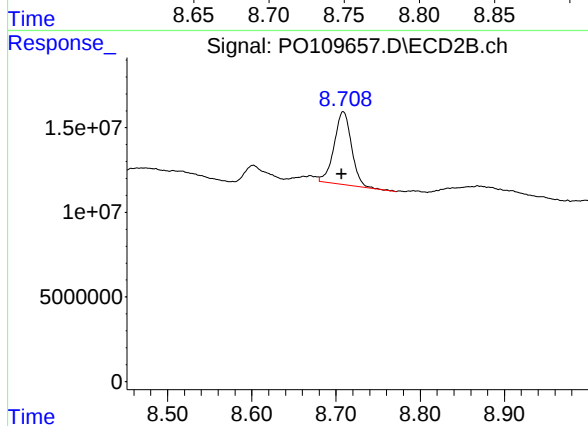
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
Delta R.T.: 0.000 min  
Response: 118567957  
Conc: 22.65 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.757 min  
Delta R.T.: 0.000 min  
Response: 145523453  
Conc: 16.92 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.709 min  
Delta R.T.: 0.002 min  
Response: 61958839  
Conc: 19.46 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 7A-7B-7C-ROOF-5             | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-04                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 3.29                        | Units:             | g          |
| Soil Aliquot Vol:  |                             |                    | uL         |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | PH :               |            |
| Prep Method :      | SW3541B                     | Injection Volume : |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109658.D        | 1         | 03/06/25 08:23 | 03/06/25 14:01 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 30.9  | U         | 30.9     | 155        | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 58.4  | U         | 58.4     | 155        | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 31.0  | U         | 31.0     | 155        | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 30.9  | U         | 30.9     | 155        | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 71.9  | U         | 71.9     | 155        | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 24.9  | U         | 24.9     | 155        | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 41.7  | U         | 41.7     | 155        | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 31.3  | U         | 31.3     | 155        | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 26.5  | U         | 26.5     | 155        | ug/kg   |
| Total PCBs        | Total PCBs           | 71.9  | U         | 71.9     | 155        | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 22.9  |           | 32 - 144 | 114%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 19.3  |           | 32 - 175 | 96%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
 Data File : PO109658.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 14:01  
 Operator : YP/AJ  
 Sample : Q1498-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 7A-7B-7C-ROOF-5

**Manual Integrations**  
**APPROVED**

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 07 00:08:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.695 | 200.2E6 | 119.7E6  | 21.148  | 22.869  |
| 2) SA Decachlor...          | 8.756 | 8.708 | 157.2E6 | 61306445 | 18.274m | 19.253m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109658.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:01  
Operator : YP/AJ  
Sample : Q1498-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

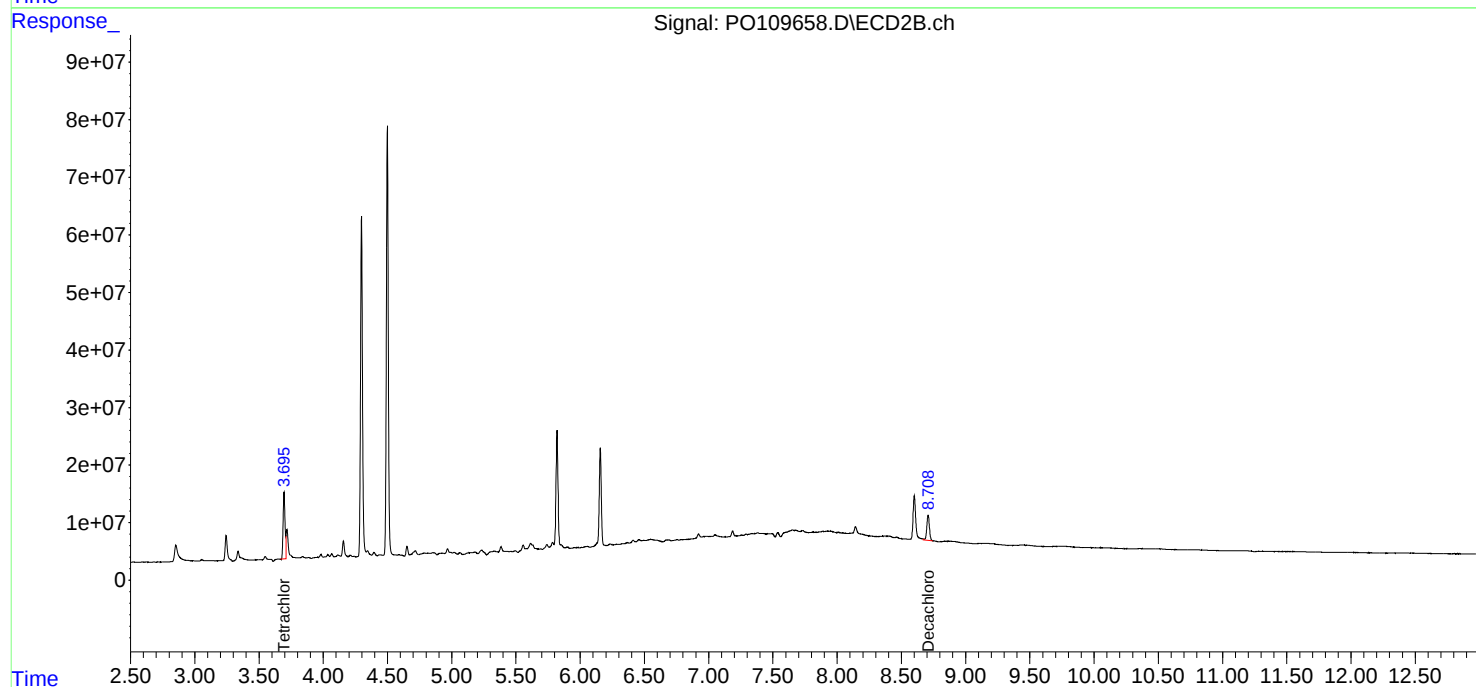
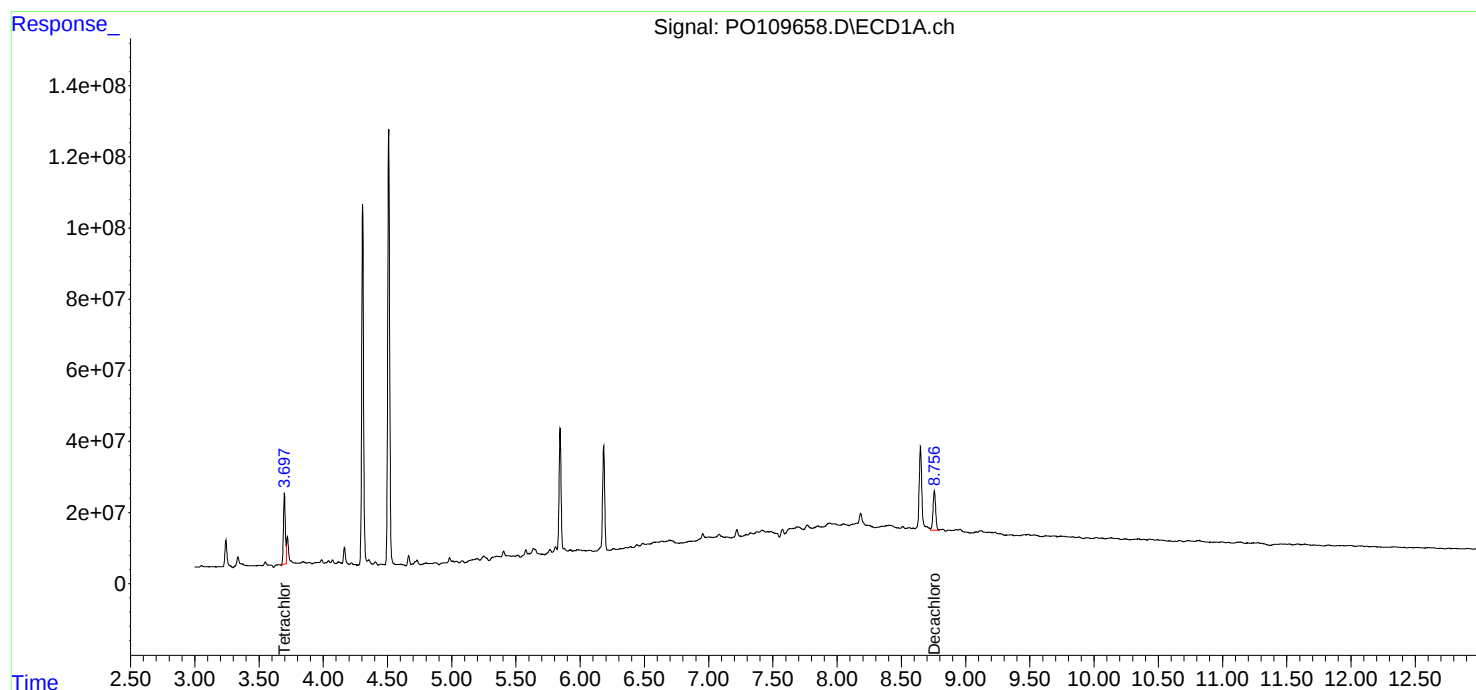
Instrument :  
ECD\_O  
ClientSampleId :  
7A-7B-7C-ROOF-5

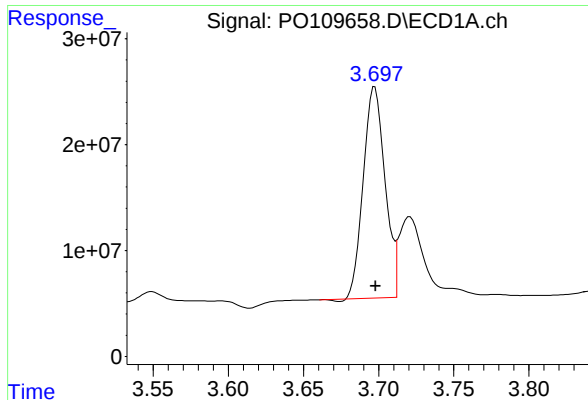
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:08:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





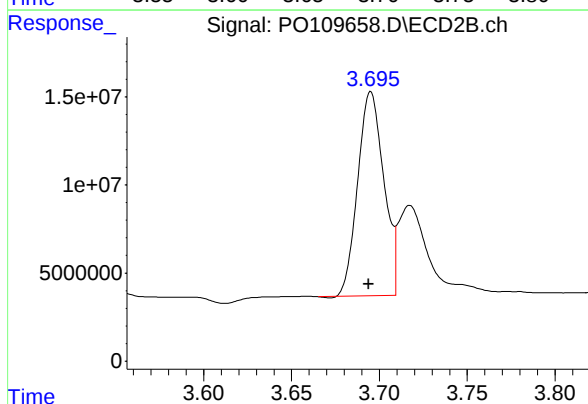
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 200164376  
Conc: 21.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
7A-7B-7C-ROOF-5

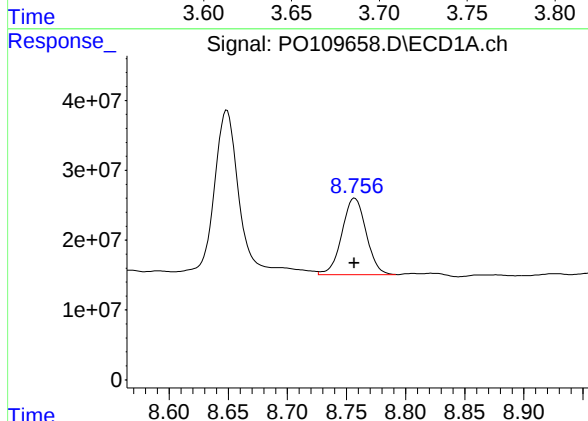
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025



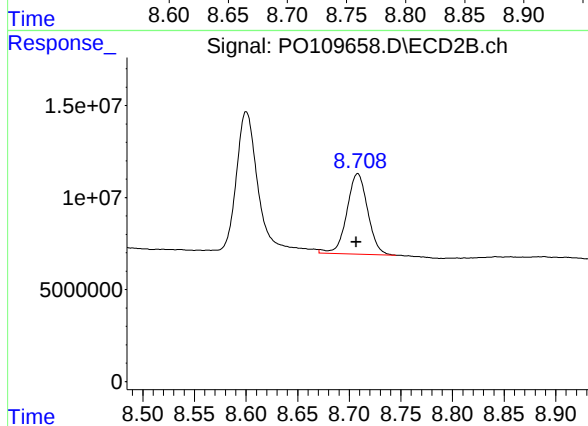
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
Delta R.T.: 0.001 min  
Response: 119703127  
Conc: 22.87 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.756 min  
Delta R.T.: 0.000 min  
Response: 157188792  
Conc: 18.27 ng/ml m



## #2 Decachlorobiphenyl

R.T.: 8.708 min  
Delta R.T.: 0.001 min  
Response: 61306445  
Conc: 19.25 ng/ml m

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 8A-8B-8C-ROOF-5             | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-05                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 4.84                        | Units:             | g          |
| Soil Aliquot Vol:  |                             |                    | uL         |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | PH :               |            |
| Prep Method :      | SW3541B                     | Injection Volume : |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109659.D        | 1         | 03/06/25 08:23 | 03/06/25 14:20 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 21.0  | U         | 21.0     | 105        | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 39.7  | U         | 39.7     | 105        | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 21.1  | U         | 21.1     | 105        | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 21.0  | U         | 21.0     | 105        | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 48.9  | U         | 48.9     | 105        | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 16.9  | U         | 16.9     | 105        | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 28.3  | U         | 28.3     | 105        | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 21.3  | U         | 21.3     | 105        | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 18.0  | U         | 18.0     | 105        | ug/kg   |
| Total PCBs        | Total PCBs           | 48.9  | U         | 48.9     | 105        | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 16.4  |           | 32 - 144 | 82%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 18.1  |           | 32 - 175 | 91%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
Data File : P0109659.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:20  
Operator : YP/AJ  
Sample : Q1498-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
8A-8B-8C-ROOF-5

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:08:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.695 | 140.6E6 | 85865597 | 14.852 | 16.405 |
| 2) SA Decachlor...          | 8.756 | 8.709 | 142.7E6 | 57796510 | 16.586 | 18.151 |

Target Compounds

-----

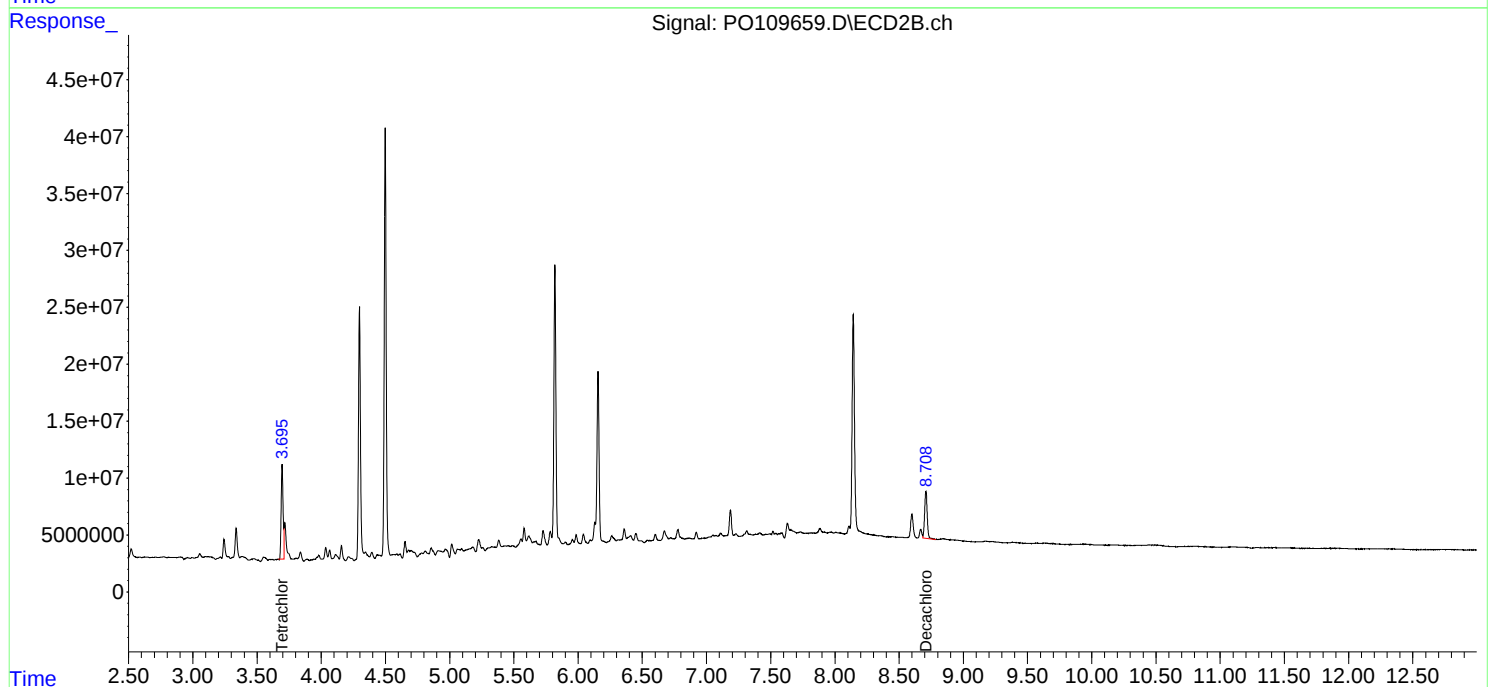
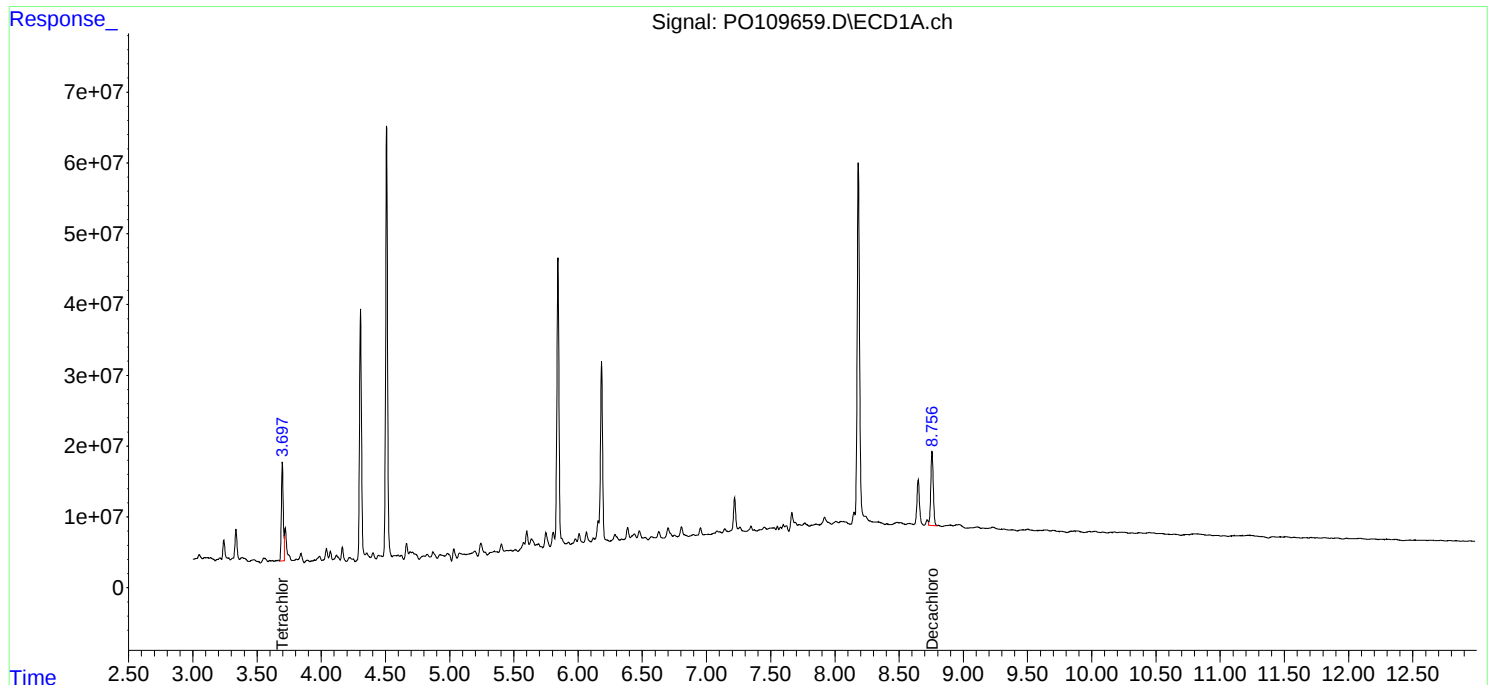
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

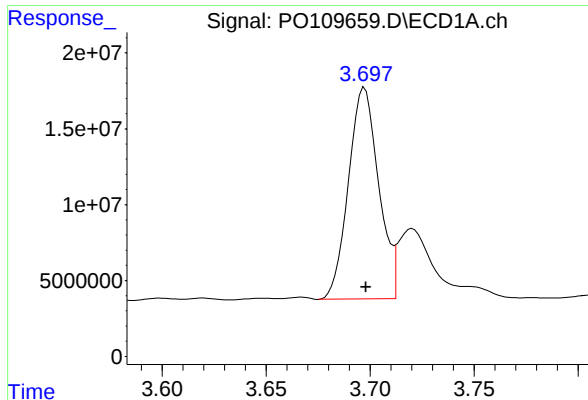
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109659.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:20  
Operator : YP/AJ  
Sample : Q1498-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
8A-8B-8C-ROOF-5

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:08:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

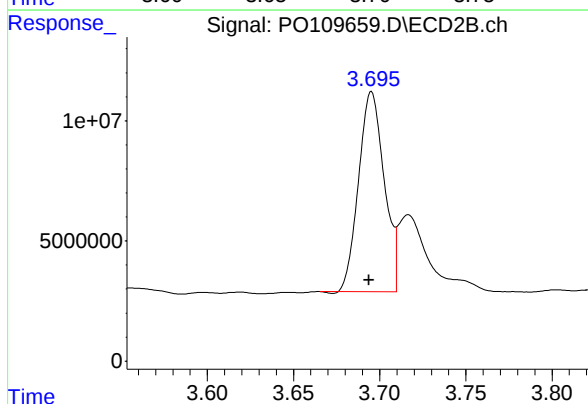




## #1 Tetrachloro-m-xylene

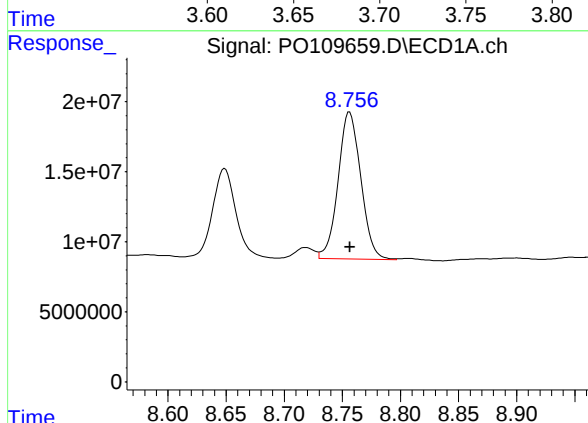
R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 140577634  
Conc: 14.85 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
8A-8B-8C-ROOF-5



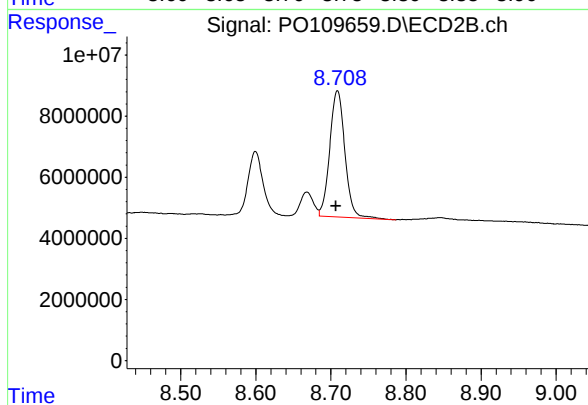
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
Delta R.T.: 0.001 min  
Response: 85865597  
Conc: 16.40 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.756 min  
Delta R.T.: 0.000 min  
Response: 142672697  
Conc: 16.59 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.709 min  
Delta R.T.: 0.002 min  
Response: 57796510  
Conc: 18.15 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 9A-9B-9C-ROOF-6             | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-06                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 3.3                         | Units:             | g          |
| Soil Aliquot Vol:  |                             |                    | uL         |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | PH :               |            |
| Prep Method :      | SW3541B                     | Injection Volume : |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109660.D        | 1         | 03/06/25 08:23 | 03/06/25 14:37 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 30.8  | U         | 30.8     | 155        | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 58.3  | U         | 58.3     | 155        | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 30.9  | U         | 30.9     | 155        | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 30.8  | U         | 30.8     | 155        | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 71.7  | U         | 71.7     | 155        | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 24.8  | U         | 24.8     | 155        | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 41.5  | U         | 41.5     | 155        | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 31.2  | U         | 31.2     | 155        | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 26.5  | U         | 26.5     | 155        | ug/kg   |
| Total PCBs        | Total PCBs           | 71.7  | U         | 71.7     | 155        | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 24.2  |           | 32 - 144 | 121%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.8  |           | 32 - 175 | 104%       | SPK: 20 |

**Comments:**

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
Data File : P0109660.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:37  
Operator : YP/AJ  
Sample : Q1498-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
9A-9B-9C-ROOF-6

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:08:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.695 | 3.694 | 207.5E6 | 126.8E6  | 21.924 | 24.226 |
| 2) SA Decachlor...          | 8.755 | 8.707 | 156.4E6 | 66184683 | 18.187 | 20.785 |

Target Compounds

-----

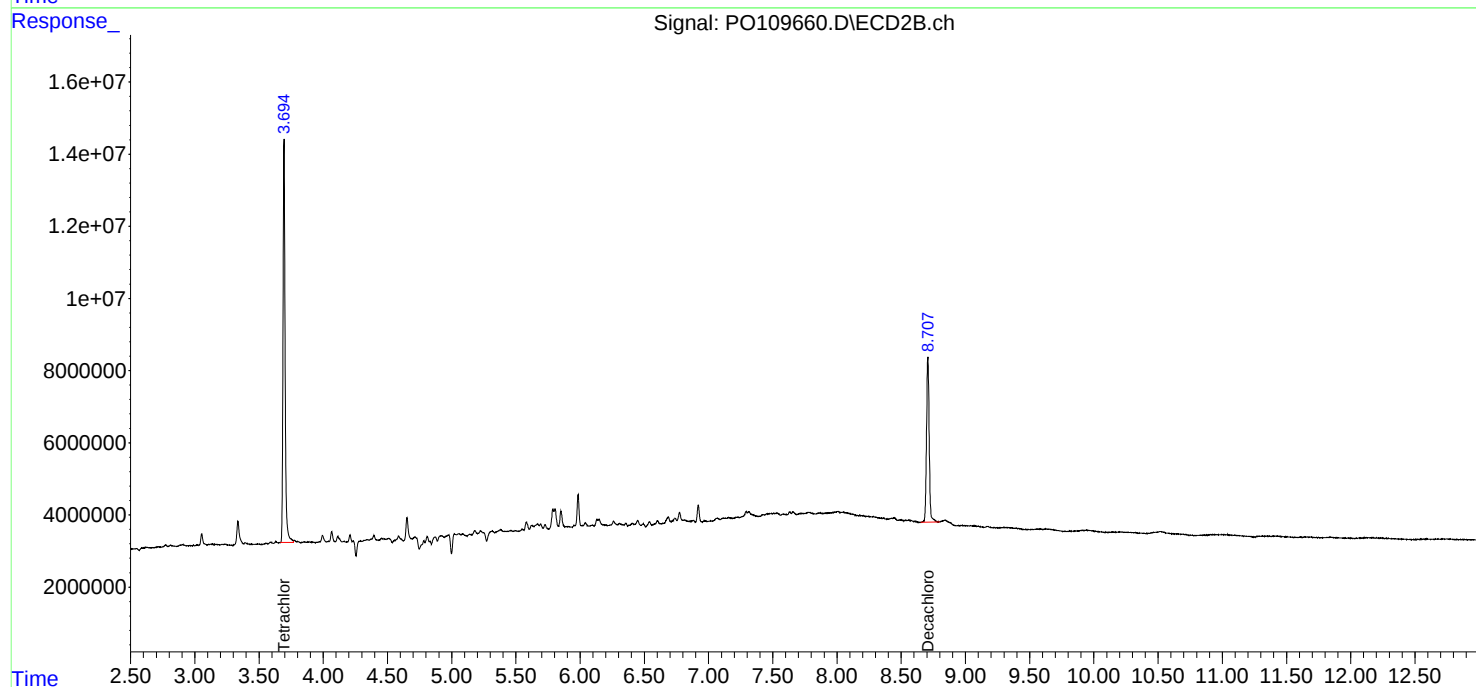
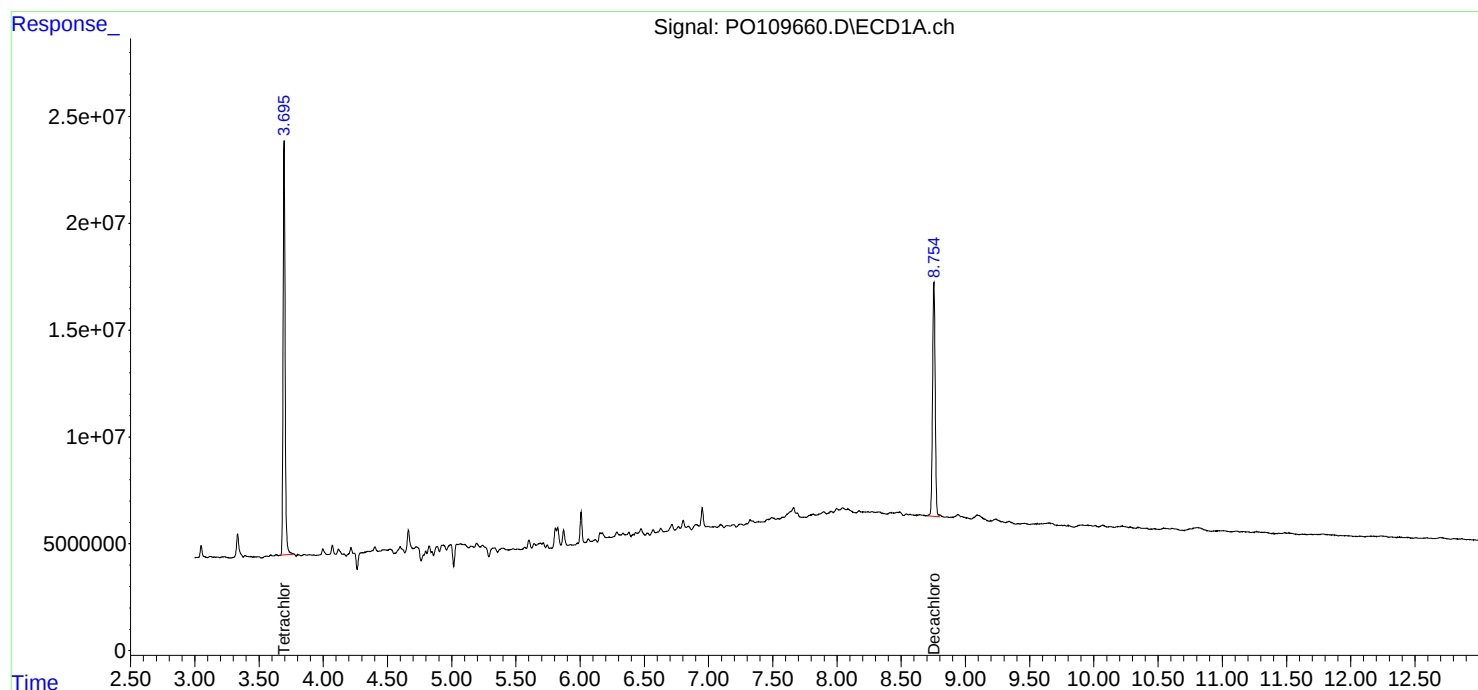
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

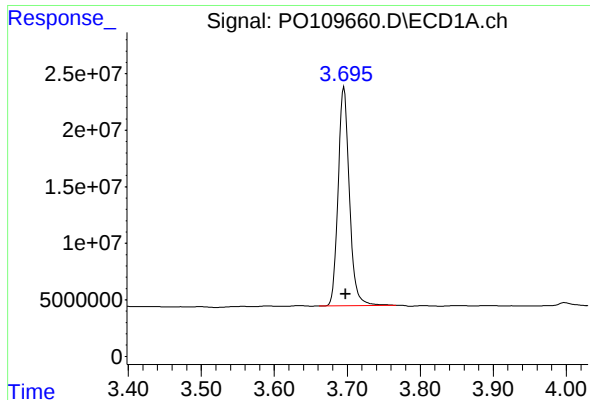
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109660.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:37  
Operator : YP/AJ  
Sample : Q1498-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
9A-9B-9C-ROOF-6

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:08:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

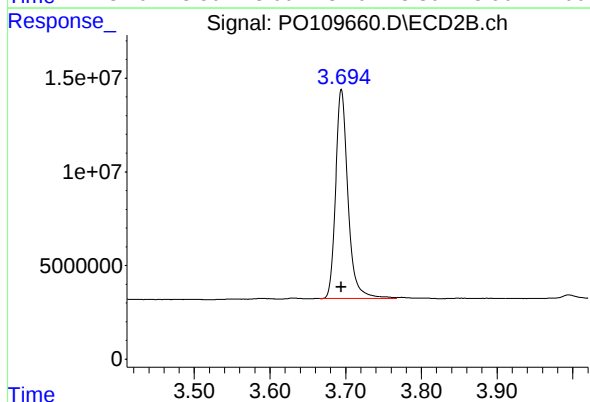




## #1 Tetrachloro-m-xylene

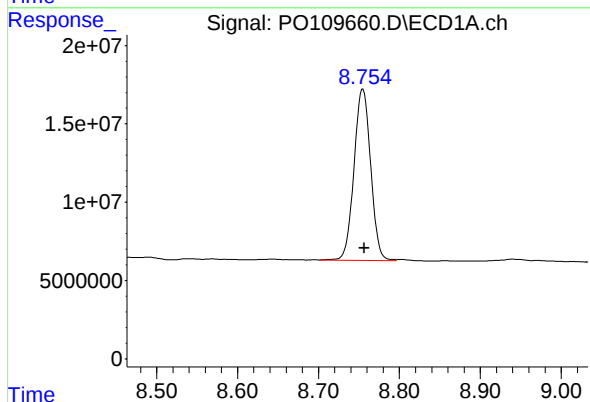
R.T.: 3.695 min  
Delta R.T.: -0.003 min  
Response: 207517909  
Conc: 21.92 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
9A-9B-9C-ROOF-6



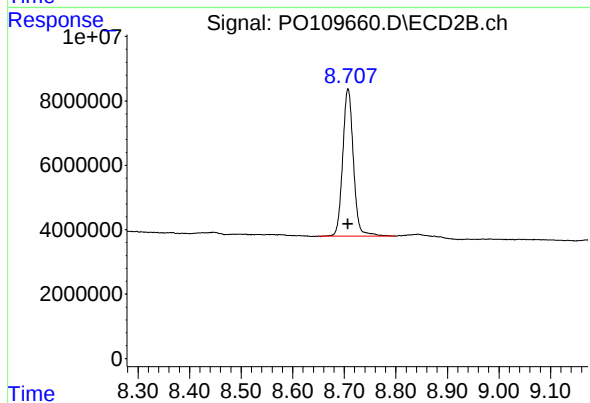
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 126806357  
Conc: 24.23 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.755 min  
Delta R.T.: -0.002 min  
Response: 156444907  
Conc: 18.19 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.707 min  
Delta R.T.: 0.000 min  
Response: 66184683  
Conc: 20.78 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/02/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/05/25   |
| Client Sample ID:  | 10A-10B-10C-ROOF-6          | SDG No.:           | Q1498      |
| Lab Sample ID:     | Q1498-07                    | Matrix:            | CAULK      |
| Analytical Method: | SW8082A                     | % Solid:           | 100        |
| Sample Wt/Vol:     | 5.79 Units: g               | Decanted:          |            |
| Soil Aliquot Vol:  | uL                          | Final Vol:         | 10000 uL   |
| Extraction Type:   |                             | Test:              | PCB Group1 |
| GPC Factor :       | 1.0                         | Injection Volume : |            |
| PH :               |                             |                    |            |
| Prep Method :      | SW3541B                     |                    |            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109661.D        | 1         | 03/06/25 08:23 | 03/06/25 14:55 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |          |            |         |
| 12674-11-2        | Aroclor-1016         | 17.6  | U         | 17.6     | 88.1       | ug/kg   |
| 11104-28-2        | Aroclor-1221         | 33.2  | U         | 33.2     | 88.1       | ug/kg   |
| 11141-16-5        | Aroclor-1232         | 17.6  | U         | 17.6     | 88.1       | ug/kg   |
| 53469-21-9        | Aroclor-1242         | 17.6  | U         | 17.6     | 88.1       | ug/kg   |
| 12672-29-6        | Aroclor-1248         | 40.9  | U         | 40.9     | 88.1       | ug/kg   |
| 11097-69-1        | Aroclor-1254         | 14.1  | U         | 14.1     | 88.1       | ug/kg   |
| 37324-23-5        | Aroclor-1262         | 23.7  | U         | 23.7     | 88.1       | ug/kg   |
| 11100-14-4        | Aroclor-1268         | 17.8  | U         | 17.8     | 88.1       | ug/kg   |
| 11096-82-5        | Aroclor-1260         | 15.1  | U         | 15.1     | 88.1       | ug/kg   |
| Total PCBs        | Total PCBs           | 40.9  | U         | 40.9     | 88.1       | ug/kg   |
| <b>SURROGATES</b> |                      |       |           |          |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.8  |           | 32 - 144 | 104%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 22.6  |           | 32 - 175 | 113%       | SPK: 20 |

**Comments:**

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109661.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 14:55  
 Operator : YP/AJ  
 Sample : Q1498-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 10A-10B-10C-ROOF-6

**Manual Integrations**  
**APPROVED**

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 07 00:09:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.695 | 179.8E6 | 108.8E6  | 18.991  | 20.778  |
| 2) SA Decachlor...          | 8.756 | 8.707 | 168.6E6 | 71983275 | 19.595m | 22.606m |

Target Compounds

-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109661.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 14:55  
Operator : YP/AJ  
Sample : Q1498-07  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

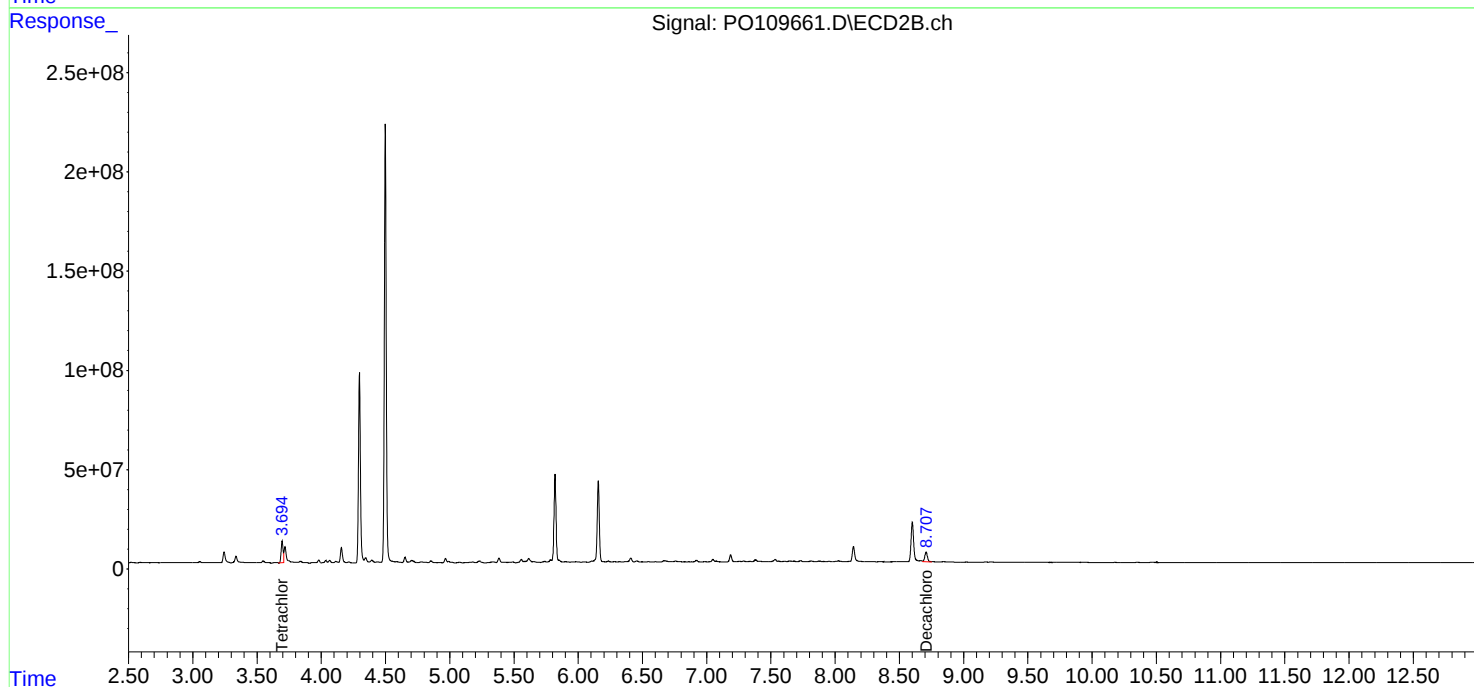
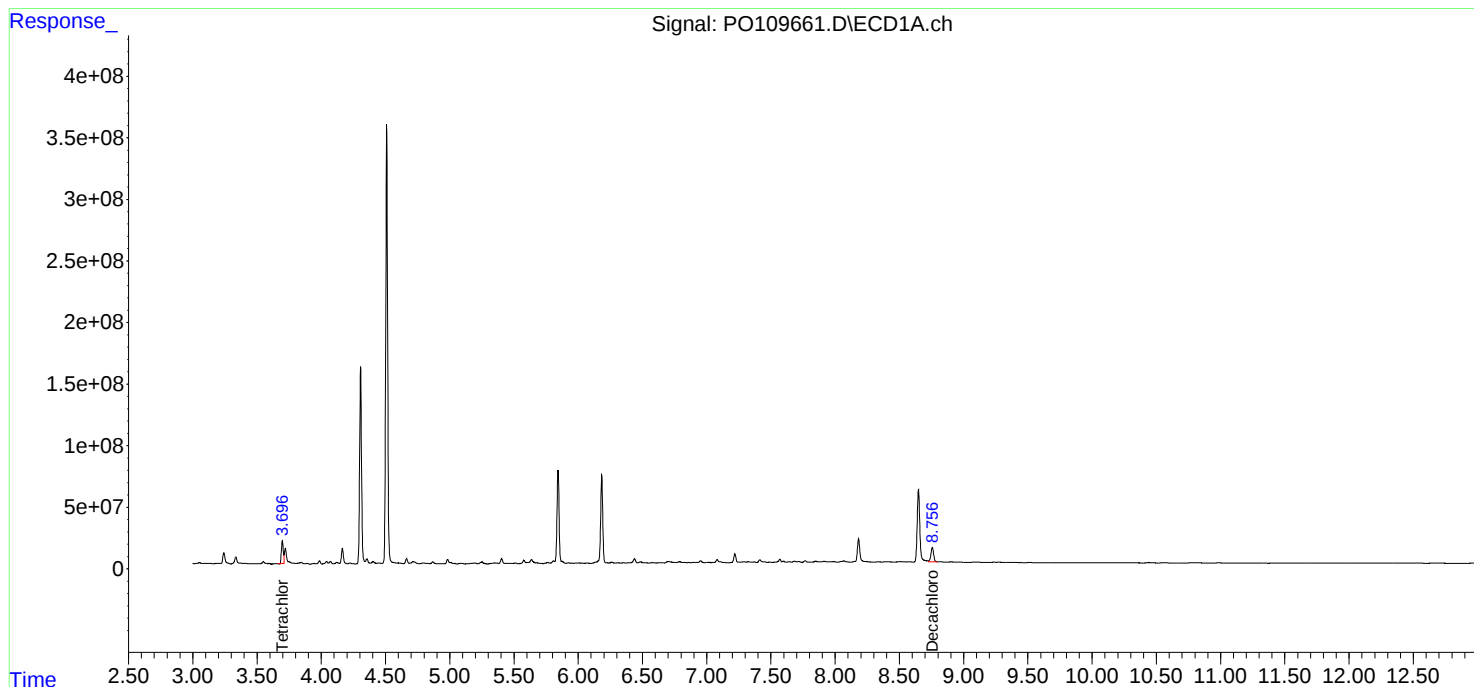
Instrument :  
ECD\_O  
ClientSampleId :  
10A-10B-10C-ROOF-6

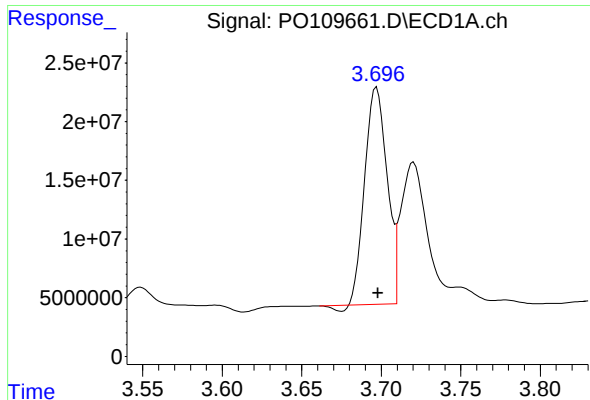
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:09:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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





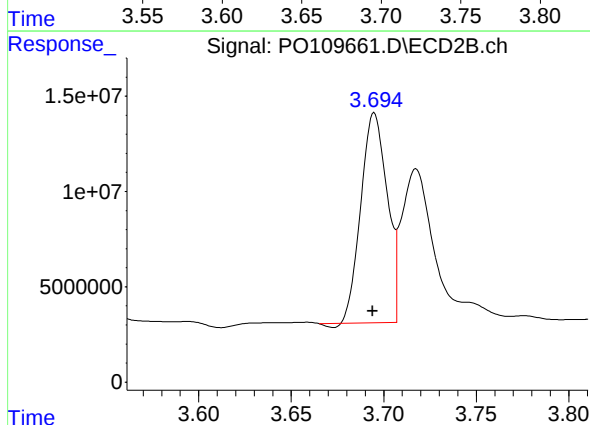
## #1 Tetrachloro-m-xylene

R.T.: 3.697 min  
 Delta R.T.: 0.000 min  
 Response: 179750153  
 Conc: 18.99 ng/ml

Instrument :  
 ECD\_O  
 ClientSampleId :  
 10A-10B-10C-ROOF-6

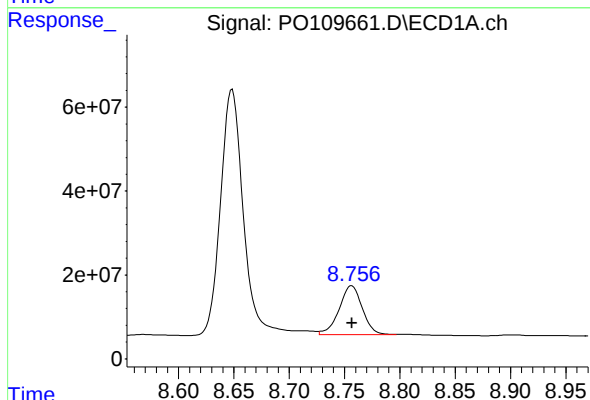
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025



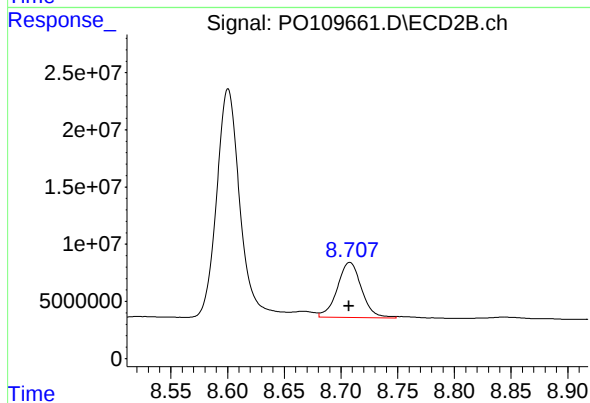
## #1 Tetrachloro-m-xylene

R.T.: 3.695 min  
 Delta R.T.: 0.001 min  
 Response: 108755502  
 Conc: 20.78 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.756 min  
 Delta R.T.: 0.000 min  
 Response: 168556543  
 Conc: 19.60 ng/ml m



## #2 Decachlorobiphenyl

R.T.: 8.707 min  
 Delta R.T.: 0.000 min  
 Response: 71983275  
 Conc: 22.61 ng/ml m



# CALIBRATION SUMMARY

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

[illegible]

[illegible]

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

|              |            |                   |            |                   |            |
|--------------|------------|-------------------|------------|-------------------|------------|
| LAB FILE ID: | RT 1000 =  | <u>PO109426.D</u> | RT 750 =   | <u>PO109427.D</u> |            |
| RT 500 =     | PO109428.D | RT 250 =          | PO109429.D | RT 050 =          | PO109430.D |

[illegible]

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** ATCE02  
**Lab Code:** CHEM **Case No.:** Q1498 **SAS No.:** Q1498 **SDG NO.:** Q1498  
**Instrument ID:** ECD\_O  
**Calibration Date(s):** 02/20/2025 02/21/2025  
**Calibration Times:** 16:46 01:02

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

| LAB FILE ID:               |     | CF 1000 = <u>PO109426.D</u> |            | CF 750 = <u>PO109427.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PO109428.D</u> |     | CF 250 = <u>PO109429.D</u>  |            | CF 050 = <u>PO109430.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 285955176                   | 296470909  | 301678880                  | 330073932  | 327272520  | 308290283  |
| Aroclor-1016-2             | (2) | 400344510                   | 409149469  | 414645114                  | 446605912  | 434387780  | 421026557  |
| Aroclor-1016-3             | (3) | 275712654                   | 284750529  | 289403798                  | 321232168  | 307985600  | 295816950  |
| Aroclor-1016-4             | (4) | 217819857                   | 224475380  | 225979744                  | 249359212  | 241266360  | 231780111  |
| Aroclor-1016-5             | (5) | 234915990                   | 244172492  | 252269048                  | 280073416  | 279718840  | 258229957  |
| Aroclor-1260-1             | (1) | 432857882                   | 445030616  | 458030860                  | 496965692  | 497771560  | 466131322  |
| Aroclor-1260-2             | (2) | 530613873                   | 540598143  | 549997768                  | 596865796  | 607516180  | 565118352  |
| Aroclor-1260-3             | (3) | 446055940                   | 458685821  | 463532386                  | 505033376  | 504998020  | 475661109  |
| Aroclor-1260-4             | (4) | 409227231                   | 417077069  | 426071740                  | 458083200  | 447546300  | 431601108  |
| Aroclor-1260-5             | (5) | 975246933                   | 982402905  | 1001465846                 | 1034939896 | 975352280  | 993881572  |
| Decachlorobiphenyl         |     | 8144381710                  | 8253336907 | 8542716440                 | 9068866760 | 9000001000 | 8601860563 |
| Tetrachloro-m-xylene       |     | 9594159870                  | 9382441773 | 9407964980                 | 9839303320 | 9101752600 | 9465124509 |
| Aroclor-1242-1             | (1) | 241553792                   | 248781753  | 263582376                  | 278206104  | 276700060  | 261764817  |
| Aroclor-1242-2             | (2) | 330250979                   | 341141312  | 360022594                  | 377835792  | 370979720  | 356046079  |
| Aroclor-1242-3             | (3) | 230958690                   | 239403319  | 256570990                  | 271941764  | 257976860  | 251370325  |
| Aroclor-1242-4             | (4) | 181873604                   | 188232188  | 200194694                  | 210194852  | 201763980  | 196451864  |
| Aroclor-1242-5             | (5) | 192196869                   | 198312276  | 212424054                  | 232317448  | 236630280  | 214376185  |
| Decachlorobiphenyl         |     | 7571460160                  | 7783053733 | 8197005760                 | 8686332120 | 8704566000 | 8188483555 |
| Tetrachloro-m-xylene       |     | 9236931880                  | 9400204853 | 9446860340                 | 9568057960 | 9056865000 | 9341784007 |
| Aroclor-1248-1             | (1) | 183385441                   | 189253437  | 200901320                  | 213658596  | 210346400  | 199509039  |
| Aroclor-1248-2             | (2) | 249519113                   | 262229969  | 281655510                  | 299590856  | 298458120  | 278290714  |
| Aroclor-1248-3             | (3) | 313646829                   | 324719312  | 346217716                  | 370103360  | 392176240  | 349372691  |
| Aroclor-1248-4             | (4) | 439951399                   | 452724037  | 479184310                  | 509535492  | 504078340  | 477094716  |
| Aroclor-1248-5             | (5) | 310476659                   | 318507132  | 337630456                  | 365736804  | 380196620  | 342509534  |
| Decachlorobiphenyl         |     | 7703959900                  | 7913043760 | 8337132500                 | 8816038680 | 8879579800 | 8329950928 |
| Tetrachloro-m-xylene       |     | 9154374770                  | 9319706587 | 9763537060                 | 9884300480 | 9250244600 | 9474432699 |
| Aroclor-1254-1             | (1) | 480630669                   | 491242291  | 514290722                  | 548494120  | 543375540  | 515606668  |
| Aroclor-1254-2             | (2) | 417535343                   | 429223996  | 451482582                  | 481224324  | 472406420  | 450374533  |
| Aroclor-1254-3             | (3) | 684838056                   | 697322969  | 725628940                  | 760808456  | 711178620  | 715955408  |
| Aroclor-1254-4             | (4) | 417970360                   | 409808872  | 428749386                  | 461366848  | 376062040  | 418791501  |
| Aroclor-1254-5             | (5) | 597298518                   | 608943563  | 631623464                  | 663830224  | 617819000  | 623902954  |
| Decachlorobiphenyl         |     | 7967092830                  | 8125756000 | 8528343640                 | 8986366600 | 8782372000 | 8477986214 |
| Tetrachloro-m-xylene       |     | 9511051460                  | 9602004080 | 9843620680                 | 9994457760 | 8495604200 | 9489347636 |
| Aroclor-1268-1             | (1) | 1298860853                  | 1294002563 | 1318124330                 | 1365675636 | 1344427900 | 1324218256 |



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

#### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |             |             |             |             |             |             |   |
|----------------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Aroclor-1268-2       | (2) | 1196326079  | 1189492827  | 1207881780  | 1246550744  | 1205280700  | 1209106426  | 2 |
| Aroclor-1268-3       | (3) | 1000400149  | 998939115   | 1012813102  | 1049647308  | 1029090160  | 1018177967  | 2 |
| Aroclor-1268-4       | (4) | 407507962   | 408969772   | 420298422   | 442140308   | 445377360   | 424858765   | 4 |
| Aroclor-1268-5       | (5) | 3060378797  | 3013397139  | 3036609122  | 3075360324  | 2912511720  | 3019651420  | 2 |
| Decachlorobiphenyl   |     | 14147642890 | 14125651173 | 14472115980 | 15180190720 | 15441285400 | 14673377233 | 4 |
| Tetrachloro-m-xylene |     | 9652630020  | 9799388160  | 9953085600  | 10360200640 | 9708060200  | 9894672924  | 3 |



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

### CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Instrument ID: ECD\_O

Calibration Date(s): 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

| LAB FILE ID:               |     | CF 1000 = <u>PO109426.D</u> |            | CF 750 = <u>PO109427.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PO109428.D</u> |     | CF 250 = <u>PO109429.D</u>  |            | CF 050 = <u>PO109430.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 144422659                   | 148428763  | 152032096                  | 167484860  | 168484300  | 156170536  |
| Aroclor-1016-2             | (2) | 205202725                   | 208508729  | 213432994                  | 229519564  | 225505040  | 216433810  |
| Aroclor-1016-3             | (3) | 112302196                   | 115067393  | 117212622                  | 128579748  | 124094120  | 119451216  |
| Aroclor-1016-4             | (4) | 94709981                    | 98717735   | 101165102                  | 112923876  | 112836120  | 104070563  |
| Aroclor-1016-5             | (5) | 124417087                   | 127943616  | 132644098                  | 146345704  | 149917060  | 136253513  |
| Aroclor-1260-1             | (1) | 217936136                   | 223782013  | 232739904                  | 251644640  | 258495520  | 236919643  |
| Aroclor-1260-2             | (2) | 255563339                   | 259366392  | 268832038                  | 291215424  | 300878620  | 275171163  |
| Aroclor-1260-3             | (3) | 239301078                   | 242165468  | 249897958                  | 270279452  | 273707020  | 255070195  |
| Aroclor-1260-4             | (4) | 193987222                   | 196916529  | 202218624                  | 218214048  | 219624820  | 206192249  |
| Aroclor-1260-5             | (5) | 436097628                   | 435546231  | 443785112                  | 464386884  | 459099080  | 447782987  |
| Decachlorobiphenyl         |     | 2971514290                  | 3027039307 | 3156019460                 | 3385128400 | 3381593200 | 3184258931 |
| Tetrachloro-m-xylene       |     | 5186272490                  | 5246400280 | 5221242400                 | 5478386840 | 5038748400 | 5234210082 |
| Aroclor-1242-1             | (1) | 120966720                   | 124746516  | 133128702                  | 141428800  | 141463920  | 132346932  |
| Aroclor-1242-2             | (2) | 169605960                   | 173512545  | 183266616                  | 192017376  | 189176180  | 181515735  |
| Aroclor-1242-3             | (3) | 93390359                    | 96634075   | 102245092                  | 107691940  | 99411220   | 99874537   |
| Aroclor-1242-4             | (4) | 96389066                    | 101019272  | 107789002                  | 115338428  | 114056640  | 106918482  |
| Aroclor-1242-5             | (5) | 113196636                   | 117716005  | 125239314                  | 135801980  | 136573300  | 125705447  |
| Decachlorobiphenyl         |     | 2727823240                  | 2861750760 | 3019178360                 | 3243379080 | 3243962600 | 3019218808 |
| Tetrachloro-m-xylene       |     | 5001213420                  | 5078322907 | 5254229320                 | 5289448280 | 4851665000 | 5094975785 |
| Aroclor-1248-1             | (1) | 91256927                    | 94139561   | 100767396                  | 107614600  | 108857060  | 100527109  |
| Aroclor-1248-2             | (2) | 130560541                   | 136645137  | 146421094                  | 157143508  | 156628300  | 145479716  |
| Aroclor-1248-3             | (3) | 139283148                   | 144897643  | 155701690                  | 166430352  | 168727860  | 155008139  |
| Aroclor-1248-4             | (4) | 163903044                   | 169411200  | 180364434                  | 193711724  | 196594760  | 180797032  |
| Aroclor-1248-5             | (5) | 154356880                   | 158447996  | 169575560                  | 183331920  | 195308840  | 172204239  |
| Decachlorobiphenyl         |     | 2790488700                  | 2873613467 | 3038569420                 | 3241156720 | 3294897400 | 3047745141 |
| Tetrachloro-m-xylene       |     | 4955293160                  | 5040468413 | 5221131320                 | 5264696400 | 4750589600 | 5046435779 |
| Aroclor-1254-1             | (1) | 243640751                   | 248872624  | 260914738                  | 280861344  | 273402140  | 261538319  |
| Aroclor-1254-2             | (2) | 212545511                   | 218679507  | 230680254                  | 249214456  | 261687520  | 234561450  |
| Aroclor-1254-3             | (3) | 339799719                   | 346366689  | 360950750                  | 378906048  | 357499640  | 356704569  |
| Aroclor-1254-4             | (4) | 192329190                   | 189854227  | 199746634                  | 214807996  | 168878980  | 193123405  |
| Aroclor-1254-5             | (5) | 278490681                   | 283928981  | 296376396                  | 314100456  | 310764660  | 296732235  |
| Decachlorobiphenyl         |     | 2841760820                  | 2921691133 | 3072525860                 | 3310057280 | 3280037800 | 3085214579 |
| Tetrachloro-m-xylene       |     | 5117525260                  | 5147853200 | 5214583540                 | 5337931960 | 4481650800 | 5059908952 |
| Aroclor-1268-1             | (1) | 554131487                   | 553810328  | 564174560                  | 591076320  | 593868340  | 571412207  |



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

#### CALIBRATION FACTOR OF INITIAL CALIBRATION

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1268-2       | (2) | 512614105  | 511079256  | 520949472  | 543420336  | 536655740  | 524943782  | 3 |
| Aroclor-1268-3       | (3) | 413643589  | 412567932  | 420525622  | 442592008  | 450889440  | 428043718  | 4 |
| Aroclor-1268-4       | (4) | 153729603  | 155030577  | 163078820  | 169661456  | 165174880  | 161335067  | 4 |
| Aroclor-1268-5       | (5) | 1087226853 | 1077982207 | 1085826158 | 1121186428 | 1093500600 | 1093144449 | 2 |
| Decachlorobiphenyl   |     | 4950835750 | 4972853373 | 5123922200 | 5430816080 | 5582978400 | 5212281161 | 5 |
| Tetrachloro-m-xylene |     | 5266816140 | 5271127760 | 5328349480 | 5507659840 | 5128975000 | 5300585644 | 3 |



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

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Instrument ID: ECD\_O Date(s) Analyzed: 02/20/2025 02/21/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 3.91 | 3.81      | 4.01 | 131879000             |
|              |                | 2    | 4.00 | 3.90      | 4.10 | 98701000              |
|              |                | 3    | 4.07 | 3.97      | 4.17 | 269838000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.07 | 3.97      | 4.17 | 208928000             |
|              |                | 2    | 4.57 | 4.47      | 4.67 | 116083000             |
|              |                | 3    | 4.81 | 4.71      | 4.91 | 201936000             |
|              |                | 4    | 4.99 | 4.89      | 5.09 | 111220000             |
|              |                | 5    | 5.03 | 4.93      | 5.13 | 81668600              |
| Aroclor-1262 | 500            | 1    | 6.85 | 6.75      | 6.95 | 665842000             |
|              |                | 2    | 7.35 | 7.25      | 7.45 | 1129720000            |
|              |                | 3    | 7.63 | 7.53      | 7.73 | 448264000             |
|              |                | 4    | 7.70 | 7.60      | 7.80 | 829210000             |
|              |                | 5    | 8.19 | 8.09      | 8.29 | 373330000             |



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

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Instrument ID: ECD\_O Date(s) Analyzed: 02/20/2025 02/21/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 3.91 | 3.81      | 4.01 | 68502400              |
|              |                | 2    | 3.99 | 3.89      | 4.09 | 51339800              |
|              |                | 3    | 4.07 | 3.97      | 4.17 | 145428000             |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1232 | 500            | 1    | 4.07 | 3.97      | 4.17 | 111462000             |
|              |                | 2    | 4.80 | 4.70      | 4.90 | 103317000             |
|              |                | 3    | 4.97 | 4.87      | 5.07 | 56771800              |
|              |                | 4    | 5.06 | 4.96      | 5.16 | 54894600              |
|              |                | 5    | 5.23 | 5.13      | 5.33 | 58805000              |
| Aroclor-1262 | 500            | 1    | 6.81 | 6.71      | 6.91 | 317212000             |
|              |                | 2    | 7.31 | 7.21      | 7.41 | 498620000             |
|              |                | 3    | 7.60 | 7.50      | 7.70 | 196255000             |
|              |                | 4    | 7.66 | 7.56      | 7.76 | 354890000             |
|              |                | 5    | 8.15 | 8.05      | 8.25 | 143138000             |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109426.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 16:46  
 Operator : YP/AJ  
 Sample : AR1660ICC1000  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:01:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 959.4E6 | 518.6E6  | 101.979 | 99.330  |
| 2) SA Decachlor...          | 8.757 | 8.706 | 814.4E6 | 297.2E6  | 95.337  | 94.154  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.792 | 4.777 | 286.0E6 | 144.4E6  | 947.879 | 949.948 |
| 4) L1 AR-1016-2             | 4.811 | 4.797 | 400.3E6 | 205.2E6  | 965.511 | 961.439 |
| 5) L1 AR-1016-3             | 4.867 | 4.972 | 275.7E6 | 112.3E6  | 952.692 | 958.107 |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 217.8E6 | 94709981 | 963.891 | 936.192 |
| 7) L1 AR-1016-5             | 5.246 | 5.228 | 234.9E6 | 124.4E6  | 931.212 | 937.977 |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 432.9E6 | 217.9E6  | 945.041 | 936.394 |
| 32) L7 AR-1260-2            | 6.477 | 6.448 | 530.6E6 | 255.6E6  | 964.756 | 950.643 |
| 33) L7 AR-1260-3            | 6.845 | 6.602 | 446.1E6 | 239.3E6  | 962.297 | 957.595 |
| 34) L7 AR-1260-4            | 7.106 | 7.073 | 409.2E6 | 194.0E6  | 960.466 | 959.295 |
| 35) L7 AR-1260-5            | 7.347 | 7.314 | 975.2E6 | 436.1E6  | 973.819 | 982.677 |
| -----                       |       |       |         |          |         |         |

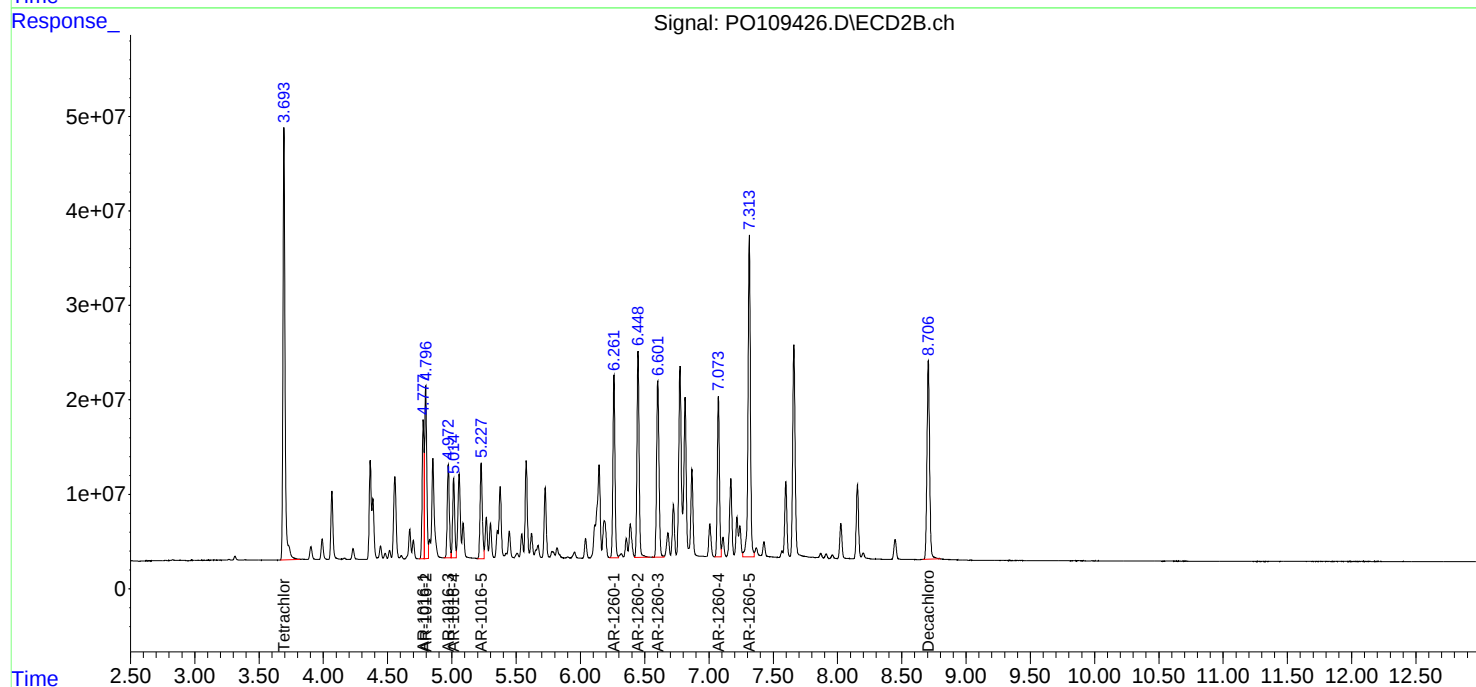
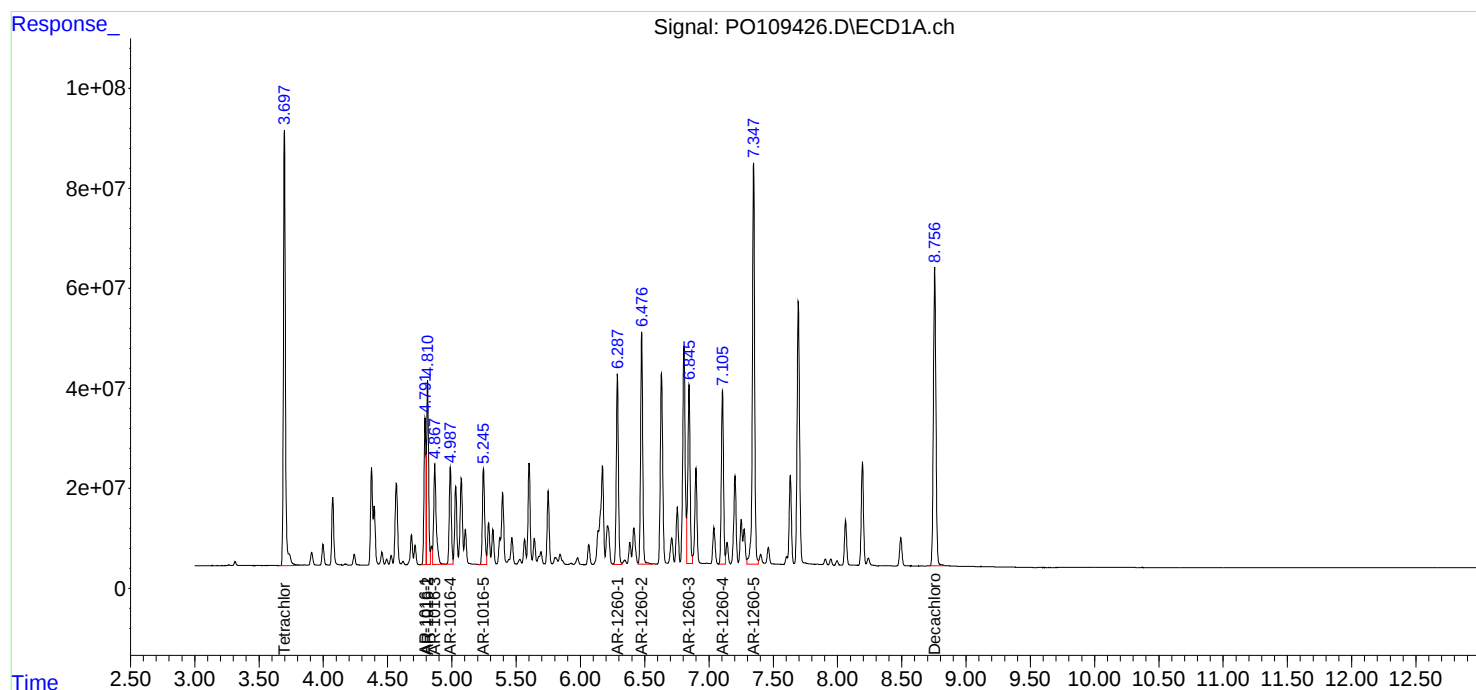
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109426.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 16:46  
Operator : YP/AJ  
Sample : AR1660ICC1000  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:01:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109427.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 17:04  
 Operator : YP/AJ  
 Sample : AR1660ICC750  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:01:40 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 703.7E6 | 393.5E6  | 74.797  | 75.361  |
| 2) SA Decachlor...          | 8.756 | 8.707 | 619.0E6 | 227.0E6  | 72.459  | 71.935  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.792 | 4.777 | 222.4E6 | 111.3E6  | 737.053 | 732.224 |
| 4) L1 AR-1016-2             | 4.811 | 4.797 | 306.9E6 | 156.4E6  | 740.060 | 732.696 |
| 5) L1 AR-1016-3             | 4.868 | 4.972 | 213.6E6 | 86300545 | 737.941 | 736.273 |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 168.4E6 | 74038301 | 745.007 | 731.856 |
| 7) L1 AR-1016-5             | 5.246 | 5.227 | 183.1E6 | 95957712 | 725.929 | 723.422 |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 333.8E6 | 167.8E6  | 728.713 | 721.133 |
| 32) L7 AR-1260-2            | 6.477 | 6.448 | 405.4E6 | 194.5E6  | 737.182 | 723.592 |
| 33) L7 AR-1260-3            | 6.845 | 6.602 | 344.0E6 | 181.6E6  | 742.158 | 726.793 |
| 34) L7 AR-1260-4            | 7.106 | 7.073 | 312.8E6 | 147.7E6  | 734.167 | 730.335 |
| 35) L7 AR-1260-5            | 7.347 | 7.314 | 736.8E6 | 326.7E6  | 735.724 | 736.076 |
| -----                       |       |       |         |          |         |         |

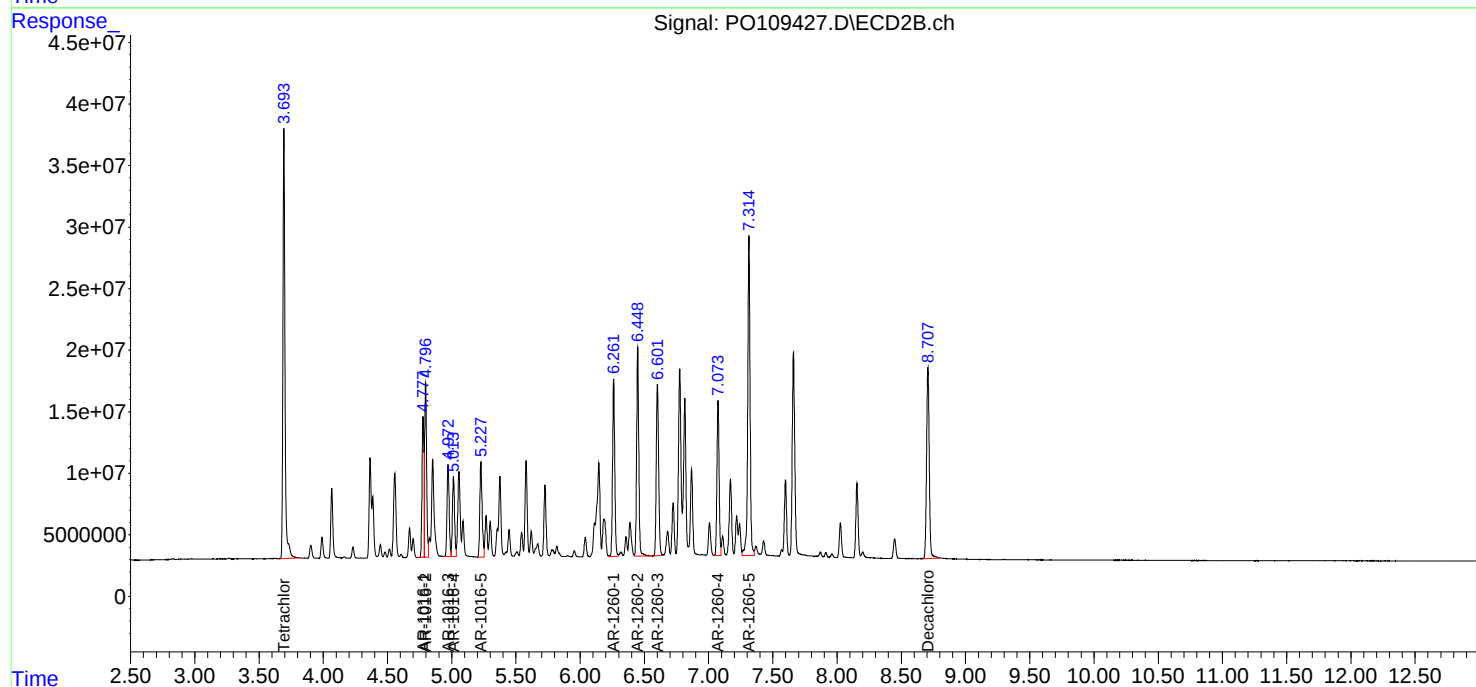
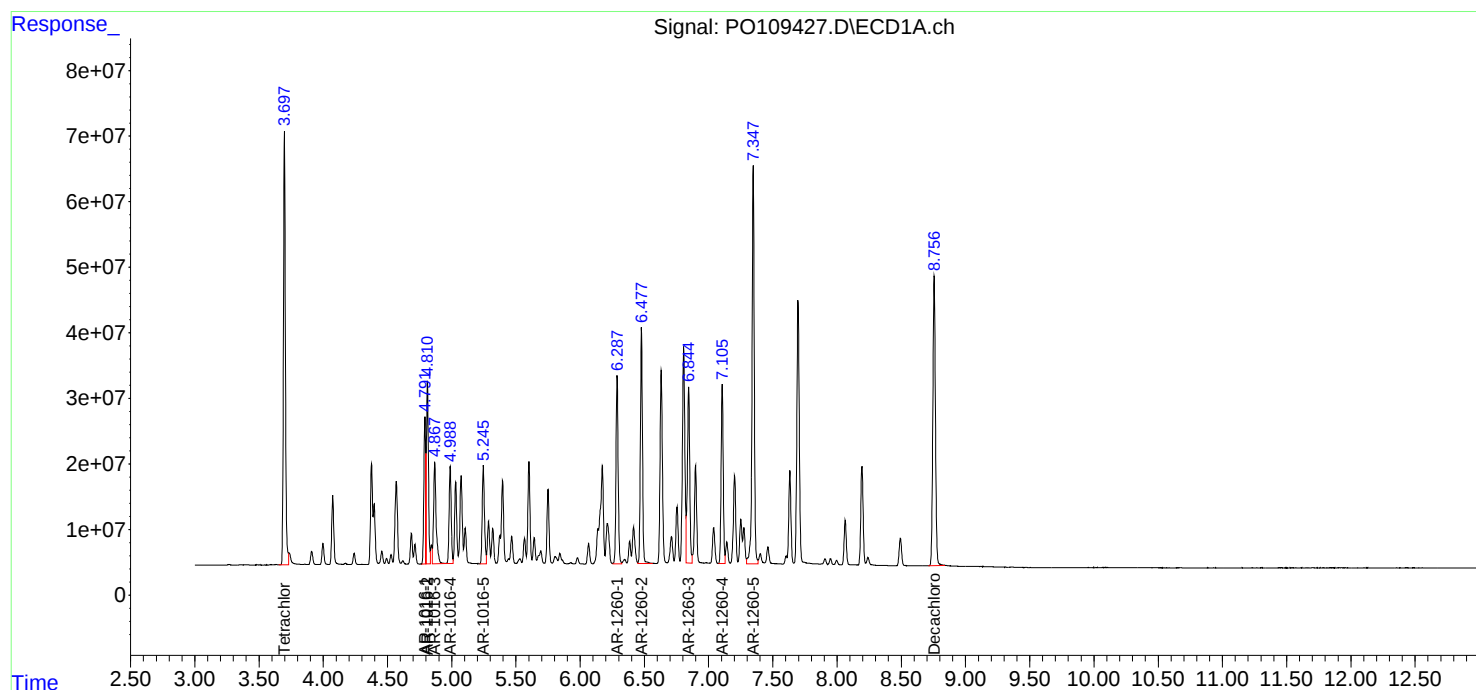
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109427.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 17:04  
Operator : YP/AJ  
Sample : AR1660ICC750  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:01:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109428.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 17:23  
 Operator : YP/AJ  
 Sample : AR1660ICC500  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:01:57 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.698 | 3.694 | 470.4E6 | 261.1E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.757 | 8.707 | 427.1E6 | 157.8E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.791 | 4.778 | 150.8E6 | 76016048 | 500.000 | 500.000 |
| 4) L1 AR-1016-2             | 4.811 | 4.797 | 207.3E6 | 106.7E6  | 500.000 | 500.000 |
| 5) L1 AR-1016-3             | 4.867 | 4.972 | 144.7E6 | 58606311 | 500.000 | 500.000 |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 113.0E6 | 50582551 | 500.000 | 500.000 |
| 7) L1 AR-1016-5             | 5.245 | 5.227 | 126.1E6 | 66322049 | 500.000 | 500.000 |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 229.0E6 | 116.4E6  | 500.000 | 500.000 |
| 32) L7 AR-1260-2            | 6.477 | 6.448 | 275.0E6 | 134.4E6  | 500.000 | 500.000 |
| 33) L7 AR-1260-3            | 6.846 | 6.602 | 231.8E6 | 124.9E6  | 500.000 | 500.000 |
| 34) L7 AR-1260-4            | 7.105 | 7.074 | 213.0E6 | 101.1E6  | 500.000 | 500.000 |
| 35) L7 AR-1260-5            | 7.347 | 7.314 | 500.7E6 | 221.9E6  | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

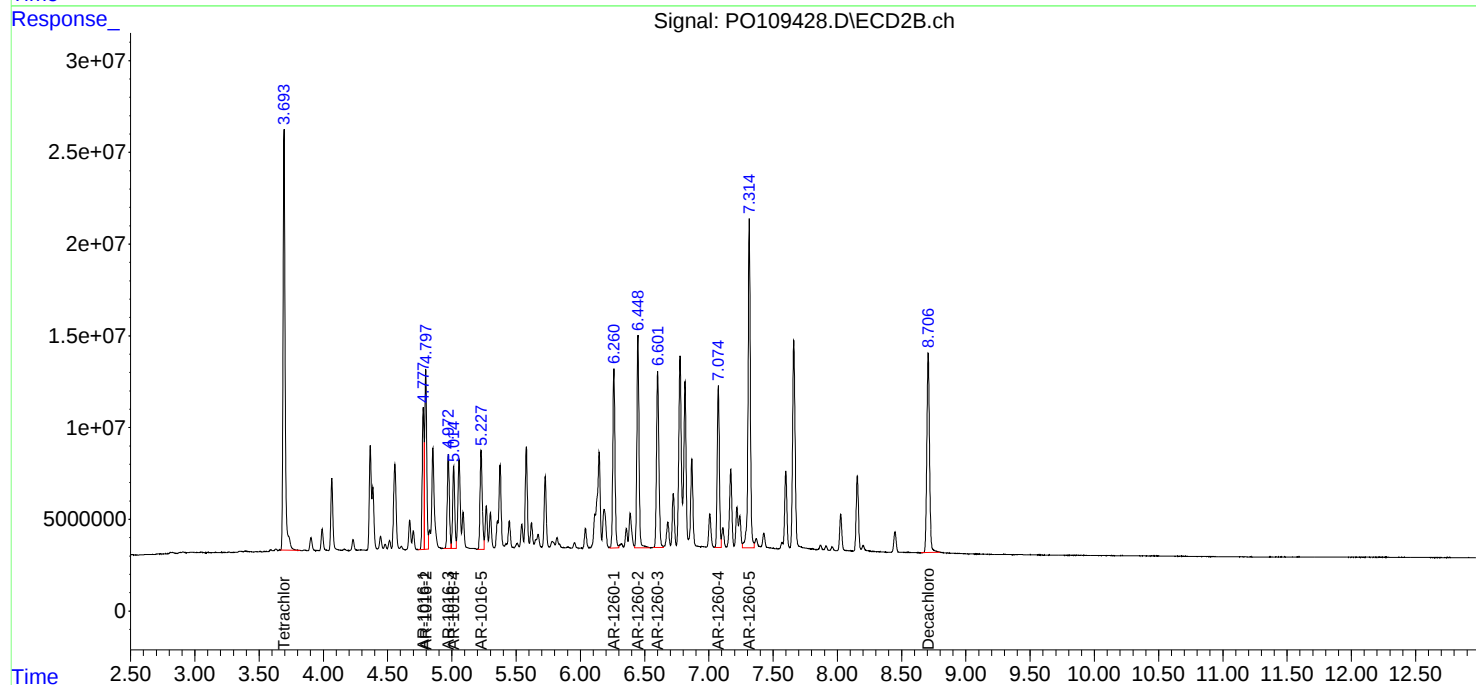
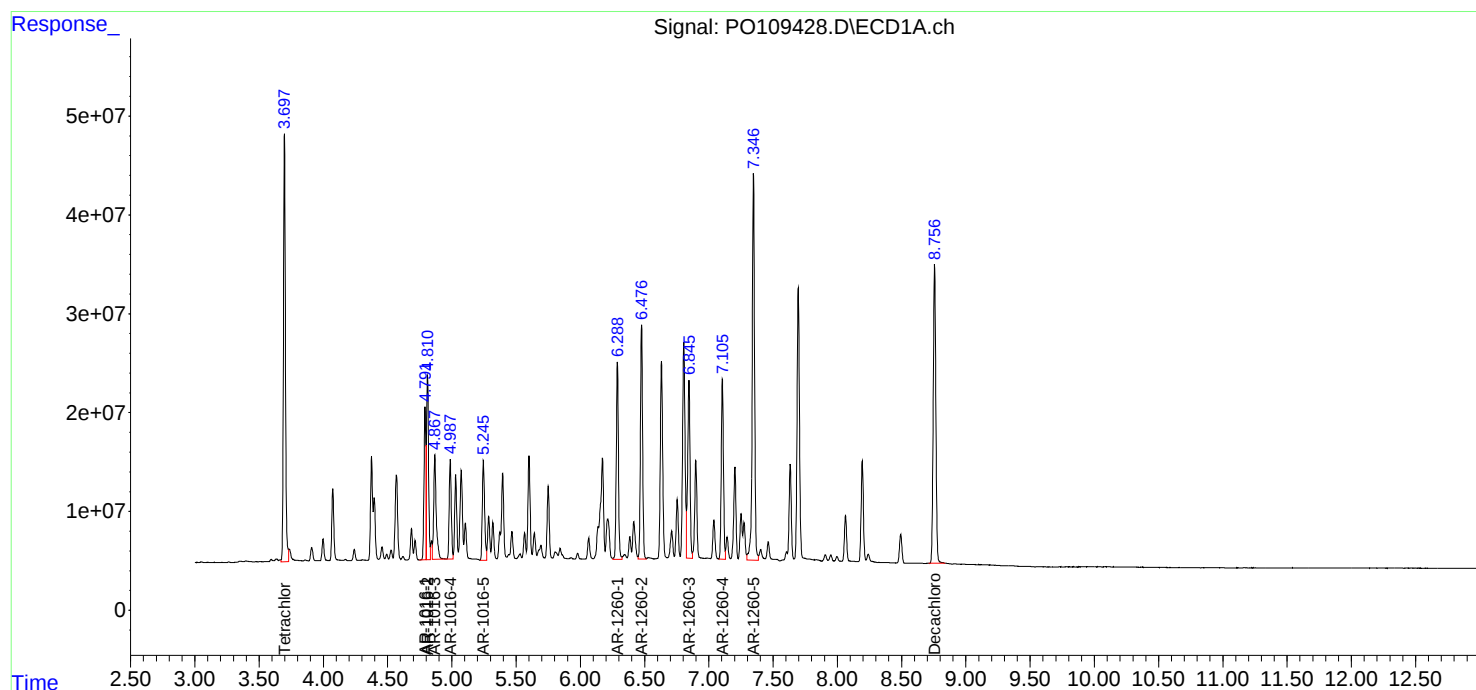
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109428.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 17:23  
Operator : YP/AJ  
Sample : AR1660ICC500  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:01:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109429.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 17:41  
 Operator : YP/AJ  
 Sample : AR1660ICC250  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:02:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 246.0E6  | 137.0E6  | 26.146  | 26.231  |
| 2) SA Decachlor...          | 8.756 | 8.706 | 226.7E6  | 84628210 | 26.540  | 26.815  |
| Target Compounds            |       |       |          |          |         |         |
| 3) L1 AR-1016-1             | 4.792 | 4.777 | 82518483 | 41871215 | 273.531 | 275.410 |
| 4) L1 AR-1016-2             | 4.811 | 4.797 | 111.7E6  | 57379891 | 269.270 | 268.843 |
| 5) L1 AR-1016-3             | 4.867 | 4.972 | 80308042 | 32144937 | 277.495 | 274.245 |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 62339803 | 28230969 | 275.865 | 279.058 |
| 7) L1 AR-1016-5             | 5.245 | 5.227 | 70018354 | 36586426 | 277.554 | 275.824 |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 124.2E6  | 62911160 | 271.251 | 270.307 |
| 32) L7 AR-1260-2            | 6.477 | 6.448 | 149.2E6  | 72803856 | 271.304 | 270.815 |
| 33) L7 AR-1260-3            | 6.845 | 6.602 | 126.3E6  | 67569863 | 272.383 | 270.390 |
| 34) L7 AR-1260-4            | 7.105 | 7.073 | 114.5E6  | 54553512 | 268.783 | 269.775 |
| 35) L7 AR-1260-5            | 7.347 | 7.313 | 258.7E6  | 116.1E6  | 258.356 | 261.606 |
| -----                       |       |       |          |          |         |         |

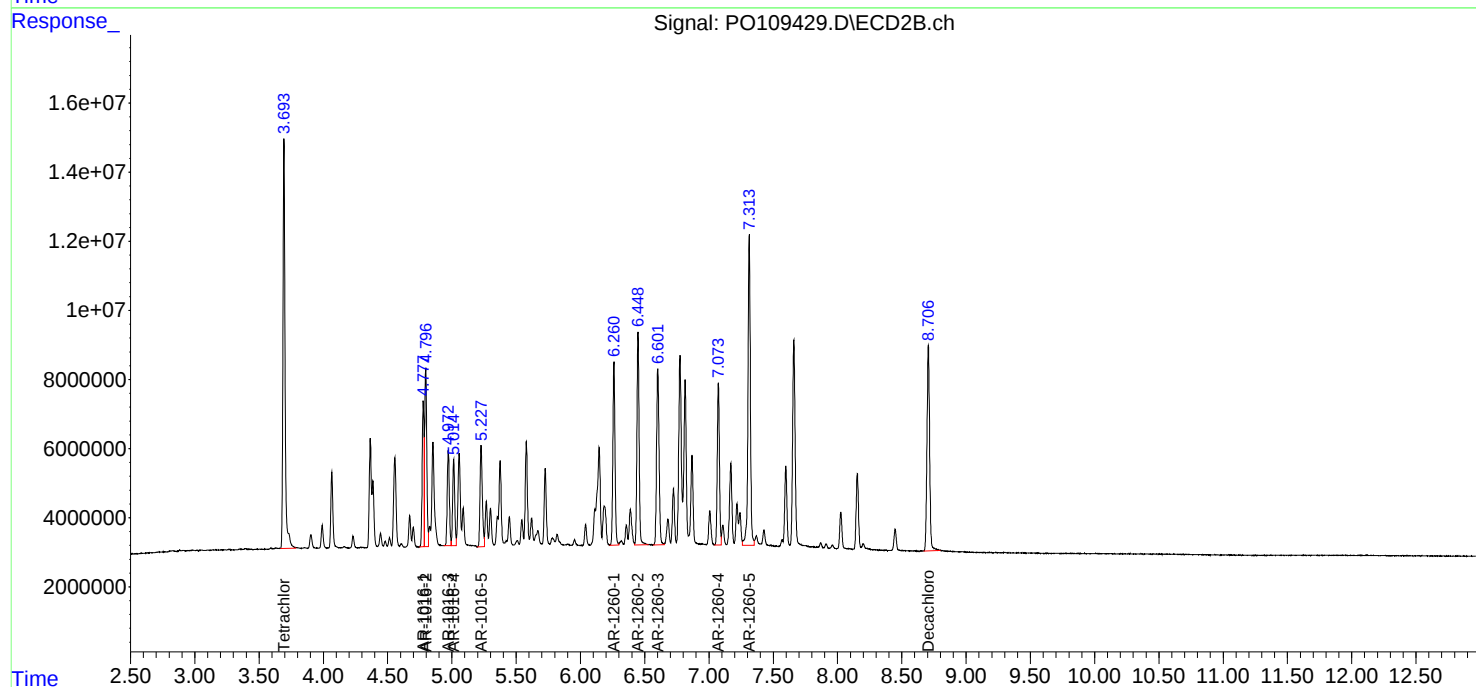
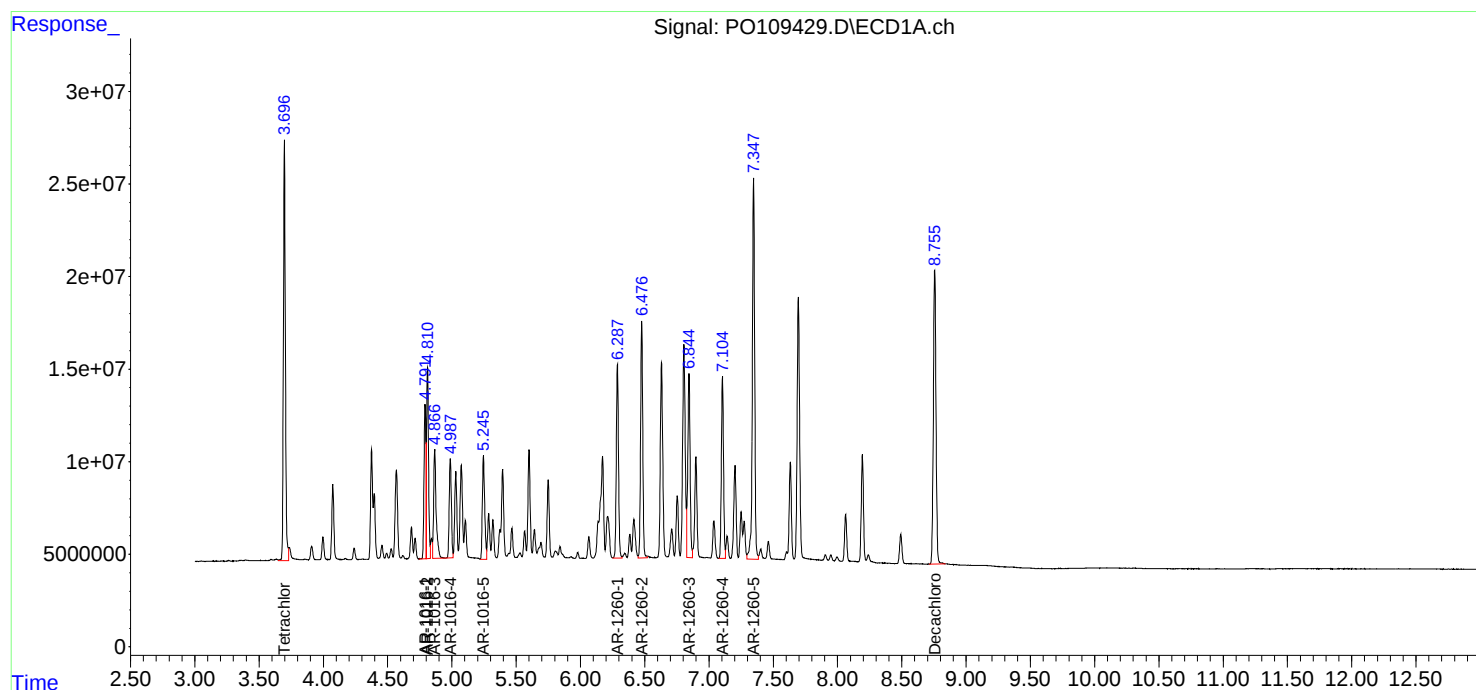
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109429.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 17:41  
Operator : YP/AJ  
Sample : AR1660ICC250  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:02:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109430.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 17:59  
 Operator : YP/AJ  
 Sample : AR1660ICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660ICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:02:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 45508763 | 25193742 | 4.837  | 4.825  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 45000005 | 16907966 | 5.268  | 5.357  |
| Target Compounds            |       |       |          |          |        |        |
| 3) L1 AR-1016-1             | 4.792 | 4.777 | 16363626 | 8424215  | 54.242 | 55.411 |
| 4) L1 AR-1016-2             | 4.812 | 4.796 | 21719389 | 11275252 | 52.381 | 52.828 |
| 5) L1 AR-1016-3             | 4.867 | 4.972 | 15399280 | 6204706  | 53.210 | 52.935 |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 12063318 | 5641806  | 53.382 | 55.768 |
| 7) L1 AR-1016-5             | 5.246 | 5.227 | 13985942 | 7495853  | 55.441 | 56.511 |
| 31) L7 AR-1260-1            | 6.287 | 6.261 | 24888578 | 12924776 | 54.338 | 55.533 |
| 32) L7 AR-1260-2            | 6.476 | 6.448 | 30375809 | 15043931 | 55.229 | 55.960 |
| 33) L7 AR-1260-3            | 6.844 | 6.601 | 25249901 | 13685351 | 54.473 | 54.764 |
| 34) L7 AR-1260-4            | 7.104 | 7.073 | 22377315 | 10981241 | 52.520 | 54.304 |
| 35) L7 AR-1260-5            | 7.346 | 7.313 | 48767614 | 22954954 | 48.696 | 51.725 |
| -----                       |       |       |          |          |        |        |

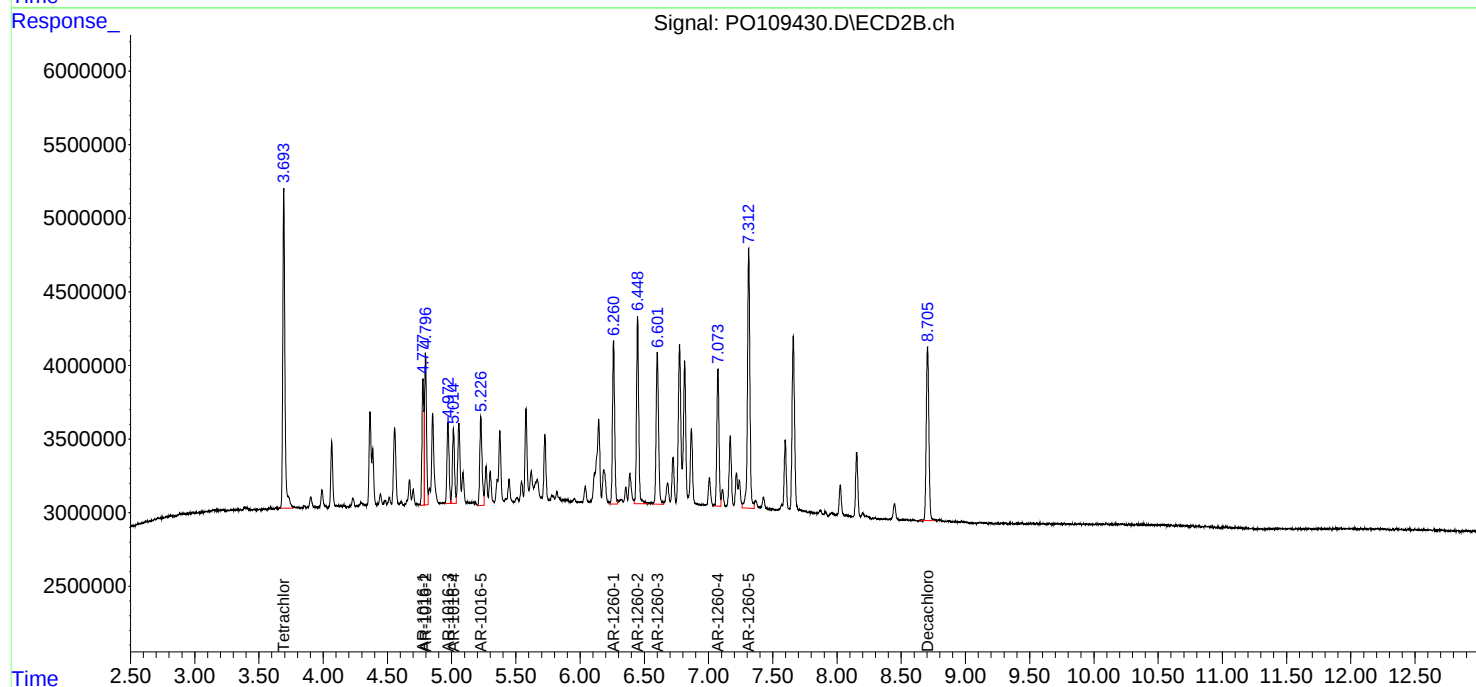
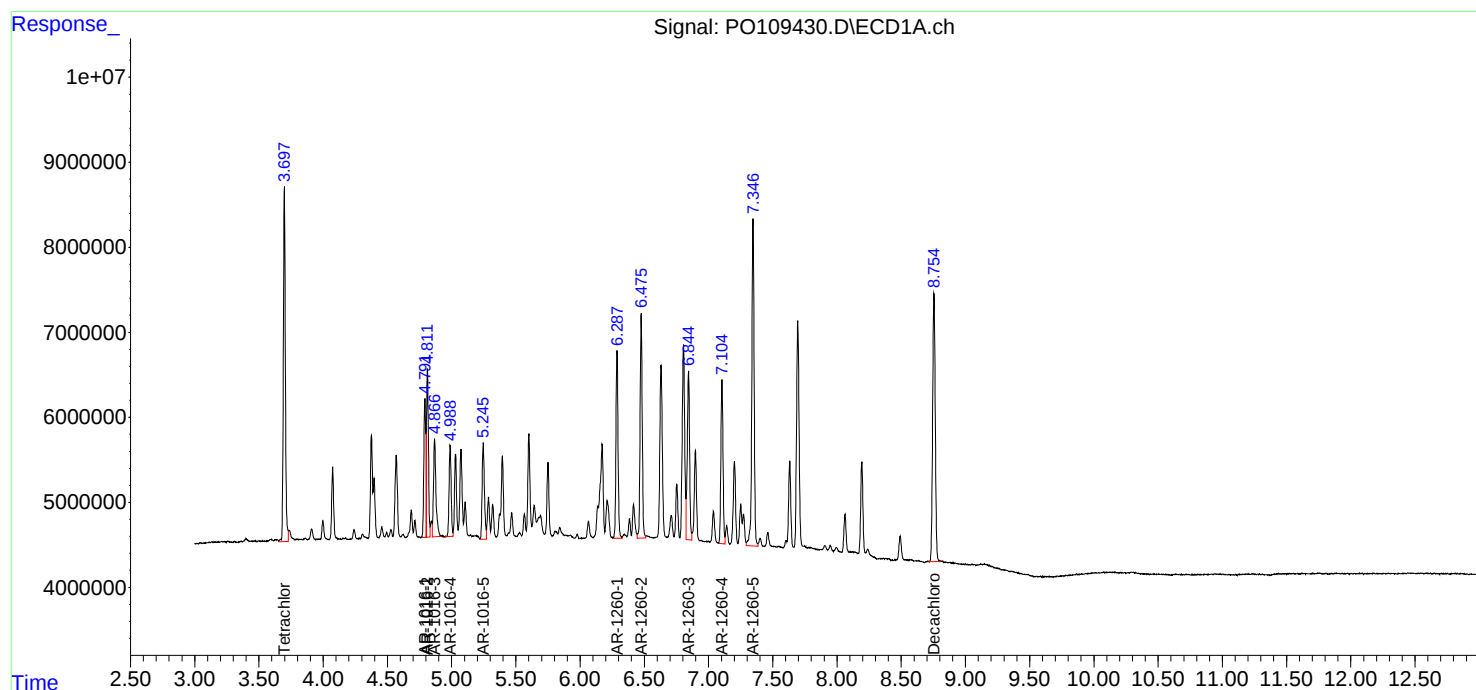
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109430.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 17:59  
Operator : YP/AJ  
Sample : AR1660ICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1660ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:02:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : 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\_O\Data\P0022025\  
 Data File : P0109431.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 18:18  
 Operator : YP/AJ  
 Sample : AR1221ICC500  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1221ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:14:46 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:14:29 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 493.2E6  | 265.7E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.755 | 8.707 | 432.4E6  | 160.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 8) L2 AR-1221-1             | 3.910 | 3.905 | 65939528 | 34251207 | 500.000 | 500.000 |
| 9) L2 AR-1221-2             | 3.997 | 3.990 | 49350500 | 25669896 | 500.000 | 500.000 |
| 10) L2 AR-1221-3            | 4.074 | 4.066 | 134.9E6  | 72714061 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

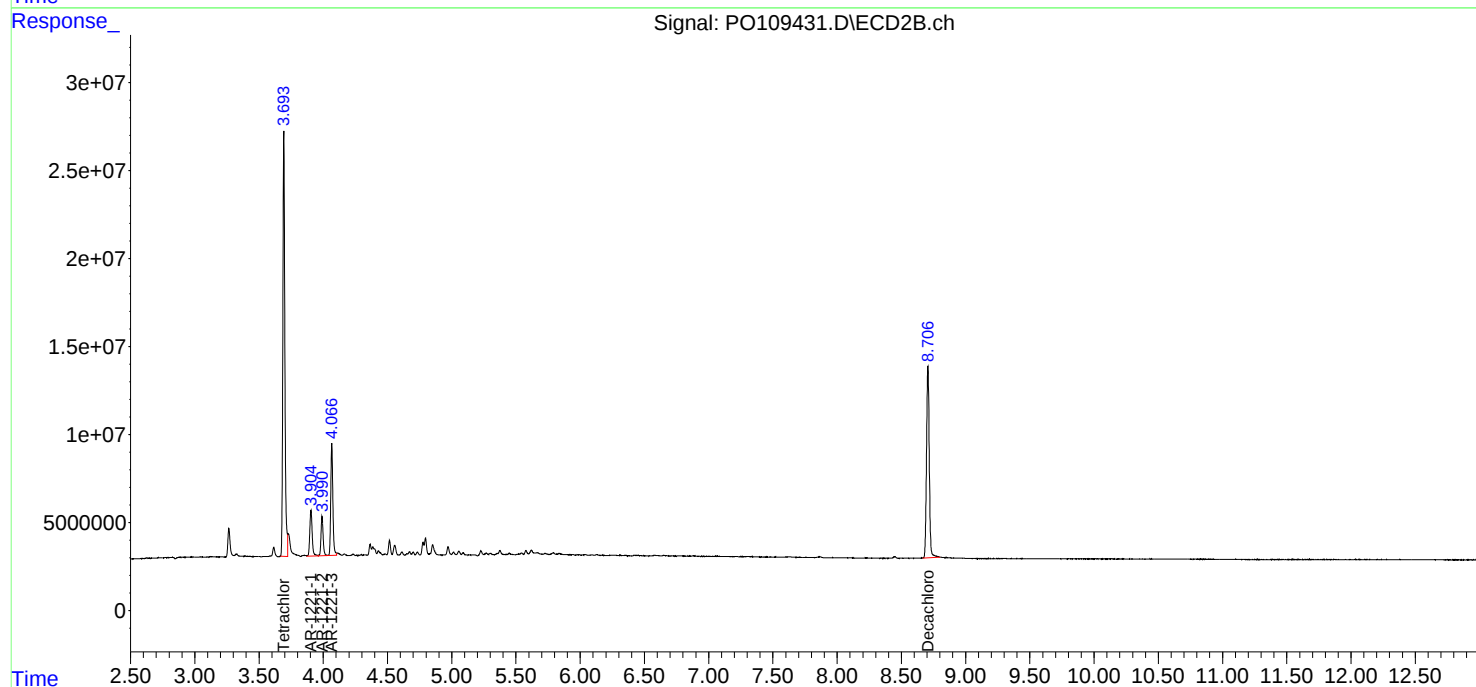
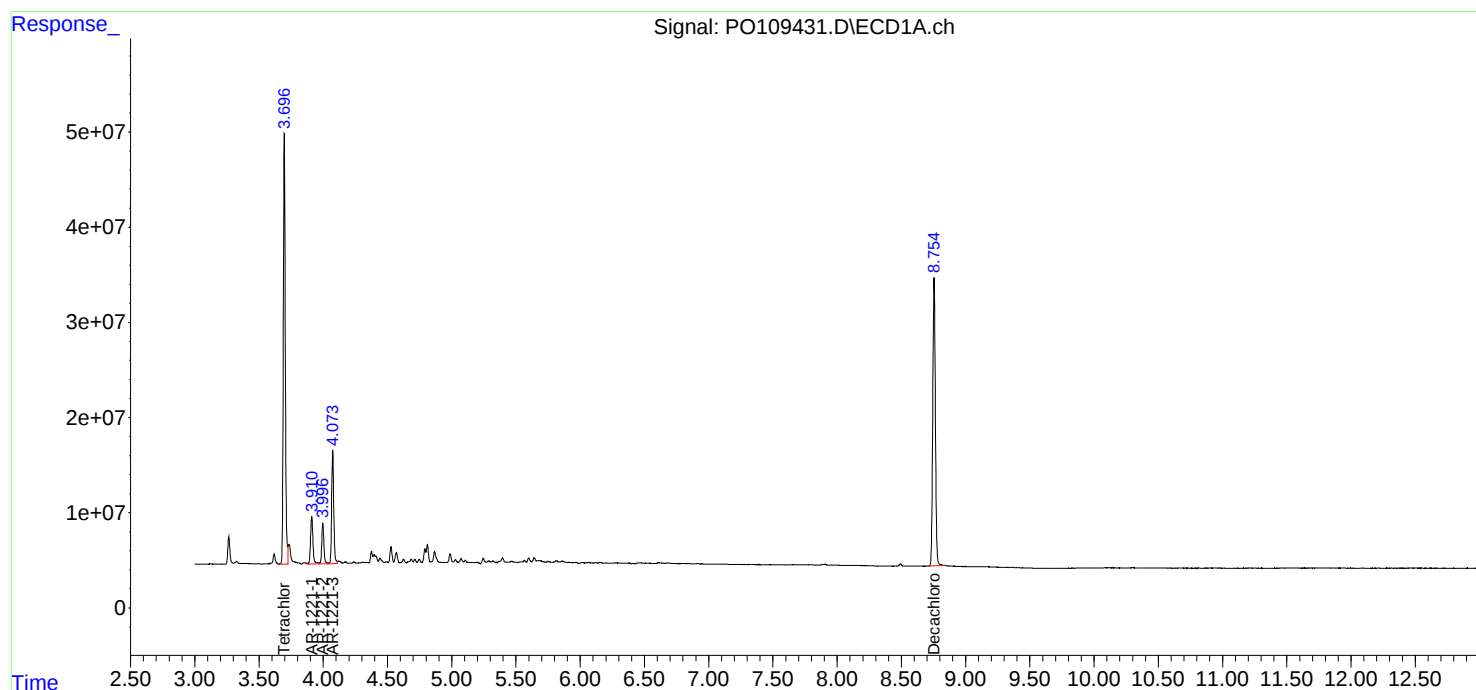
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109431.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 18:18  
Operator : YP/AJ  
Sample : AR1221ICC500  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1221ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:14:46 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:14:29 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109432.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 18:36  
 Operator : YP/AJ  
 Sample : AR1232ICC500  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1232ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:23:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:22:50 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 461.7E6  | 262.6E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.757 | 8.706 | 402.2E6  | 149.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 11) L3 AR-1232-1            | 4.074 | 4.066 | 104.5E6  | 55730818 | 500.000 | 500.000 |
| 12) L3 AR-1232-2            | 4.569 | 4.796 | 58041447 | 51658633 | 500.000 | 500.000 |
| 13) L3 AR-1232-3            | 4.811 | 4.972 | 101.0E6  | 28385926 | 500.000 | 500.000 |
| 14) L3 AR-1232-4            | 4.988 | 5.056 | 55610100 | 27447264 | 500.000 | 500.000 |
| 15) L3 AR-1232-5            | 5.030 | 5.227 | 40834319 | 29402463 | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

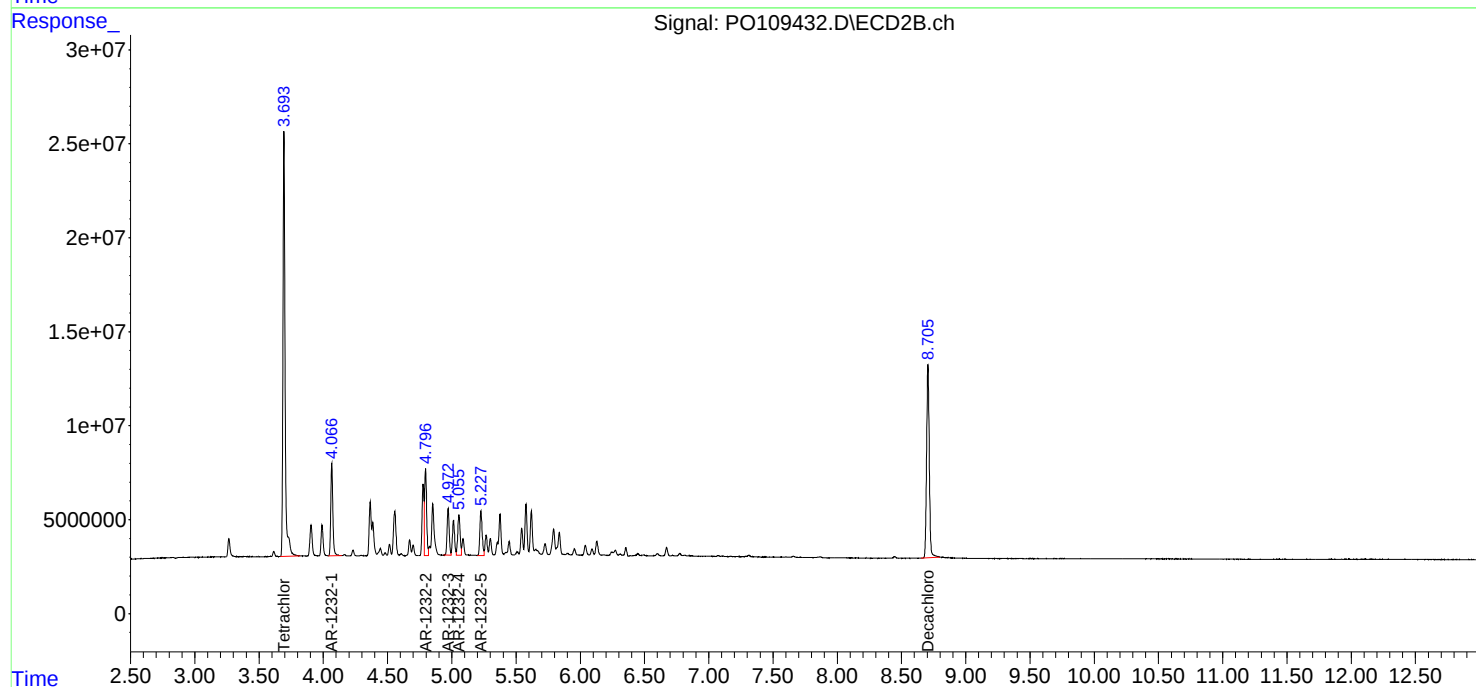
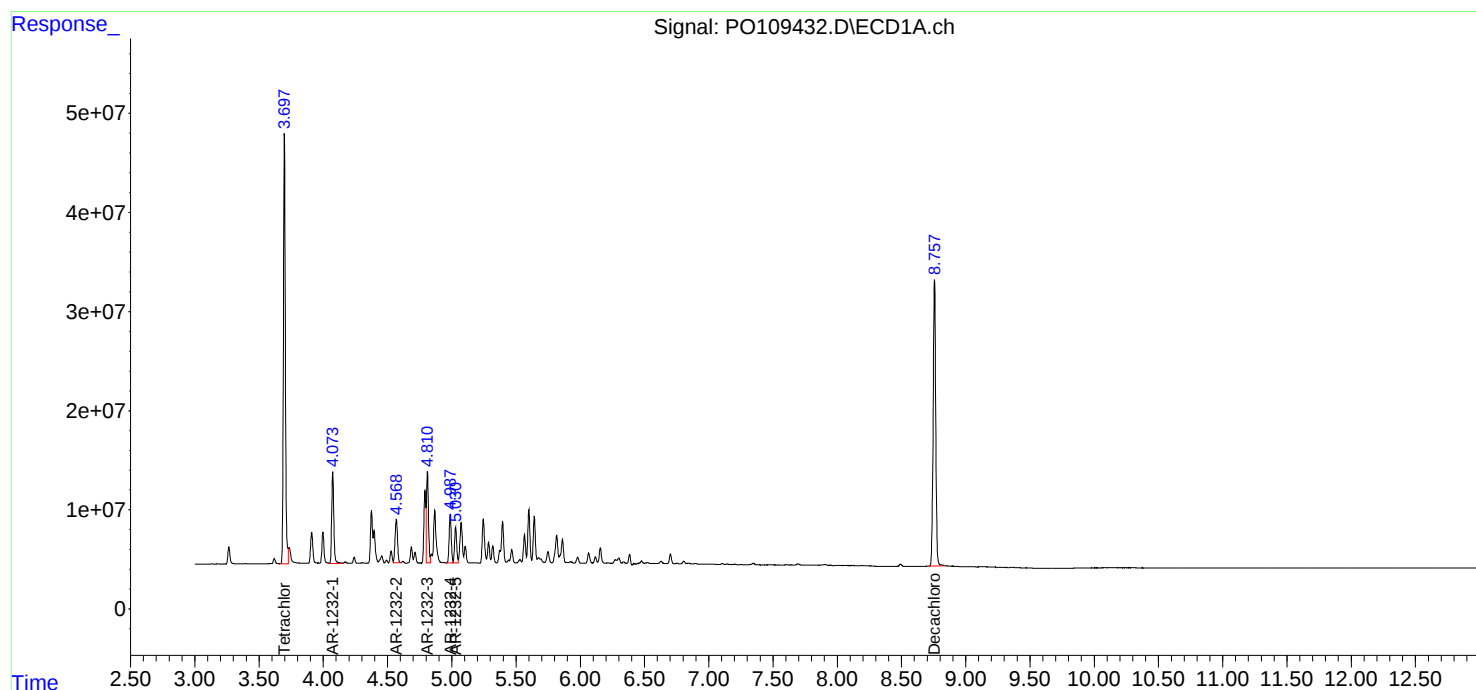
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109432.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 18:36  
Operator : YP/AJ  
Sample : AR1232ICC500  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1232ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:23:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:22:50 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109433.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 18:55  
 Operator : YP/AJ  
 Sample : AR1242ICC1000  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:27:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 923.7E6 | 500.1E6  | 97.778  | 95.185  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 757.1E6 | 272.8E6  | 92.369  | 90.350  |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.792 | 4.777 | 241.6E6 | 121.0E6  | 916.426 | 908.645 |
| 17) L4 AR-1242-2            | 4.811 | 4.797 | 330.3E6 | 169.6E6  | 917.306 | 925.460 |
| 18) L4 AR-1242-3            | 4.867 | 4.972 | 231.0E6 | 93390359 | 900.175 | 913.397 |
| 19) L4 AR-1242-4            | 4.988 | 5.056 | 181.9E6 | 96389066 | 908.484 | 894.238 |
| 20) L4 AR-1242-5            | 5.642 | 5.579 | 192.2E6 | 113.2E6  | 904.779 | 903.843 |
| -----                       |       |       |         |          |         |         |

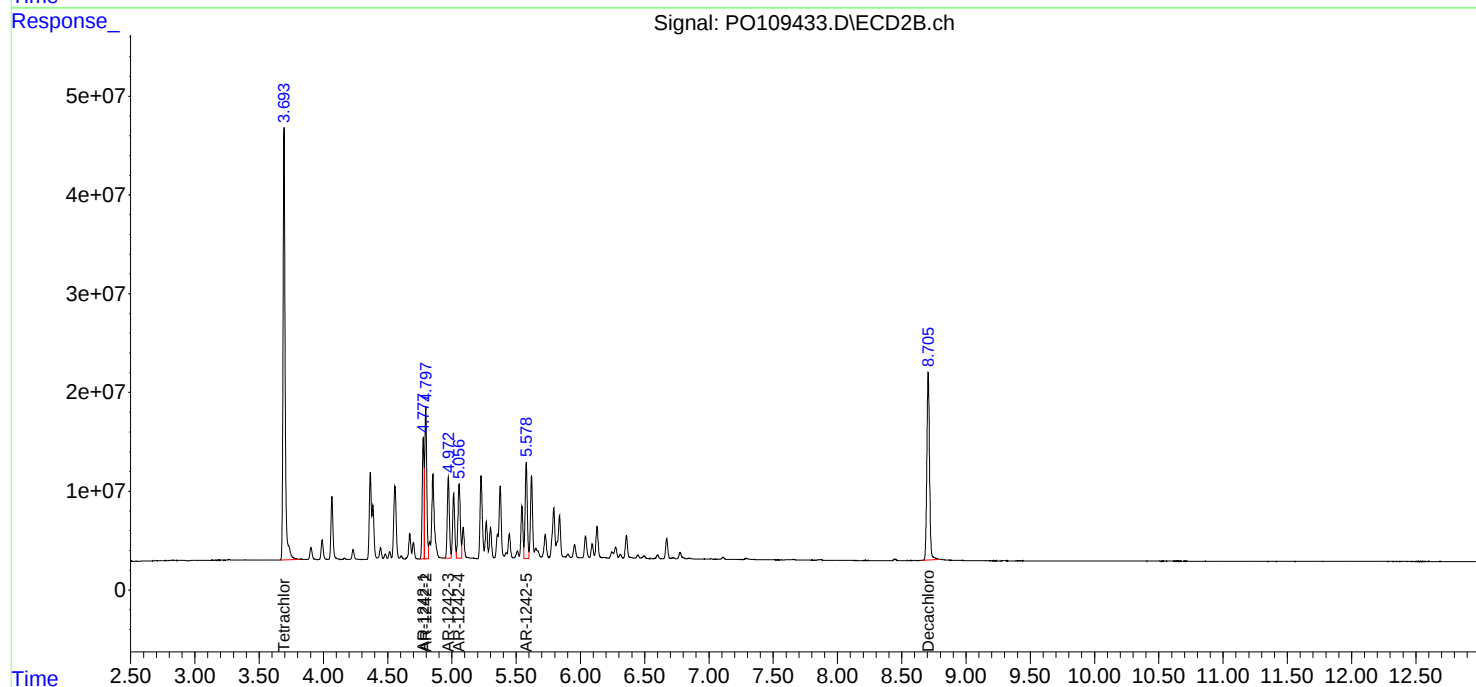
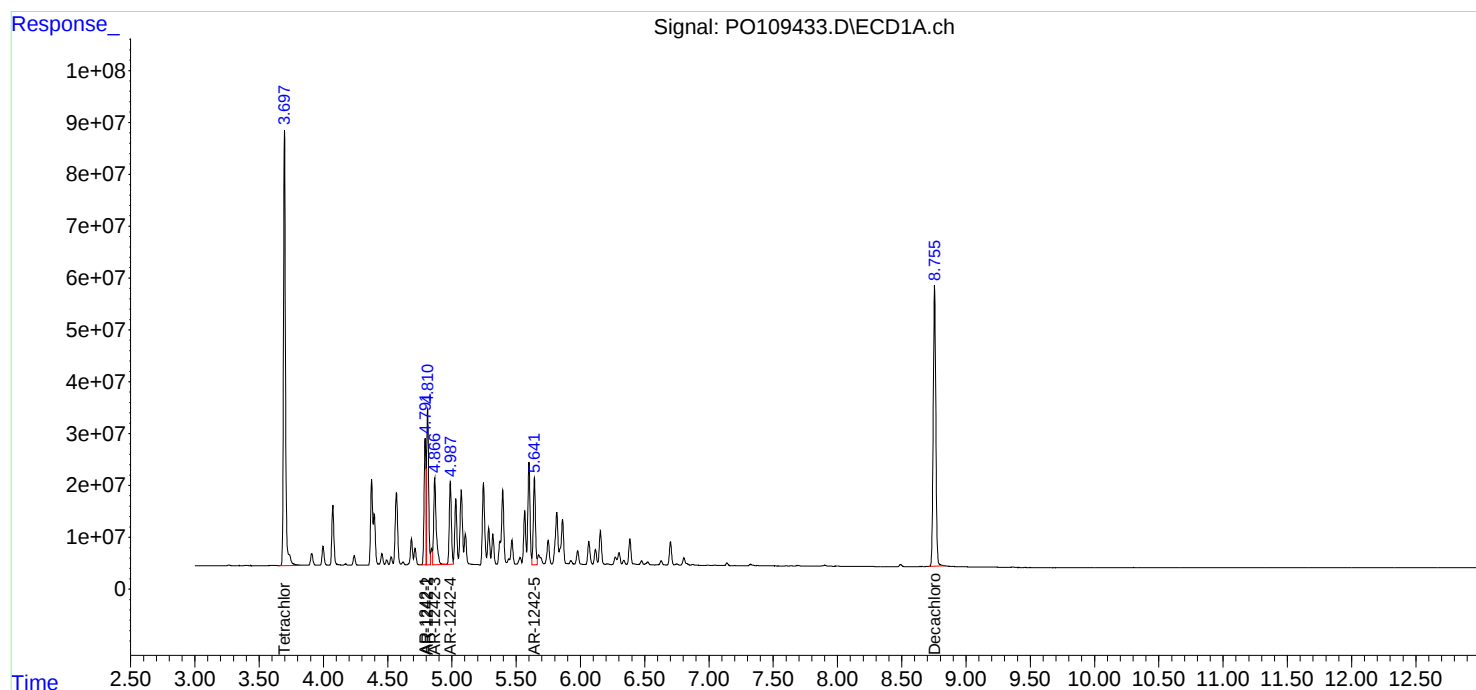
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109433.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 18:55  
Operator : YP/AJ  
Sample : AR1242ICC1000  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:27:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109434.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 19:13  
 Operator : YP/AJ  
 Sample : AR1242ICC750  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:27:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.698 | 3.694 | 705.0E6 | 380.9E6  | 74.630  | 72.489  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 583.7E6 | 214.6E6  | 71.212  | 71.089  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.792 | 4.777 | 186.6E6 | 93559887 | 707.886 | 702.778 |
| 17) L4 AR-1242-2            | 4.812 | 4.796 | 255.9E6 | 130.1E6  | 710.666 | 710.082 |
| 18) L4 AR-1242-3            | 4.868 | 4.972 | 179.6E6 | 72475556 | 699.816 | 708.841 |
| 19) L4 AR-1242-4            | 4.989 | 5.057 | 141.2E6 | 75764454 | 705.184 | 702.896 |
| 20) L4 AR-1242-5            | 5.643 | 5.578 | 148.7E6 | 88287004 | 700.176 | 704.946 |
| -----                       |       |       |         |          |         |         |

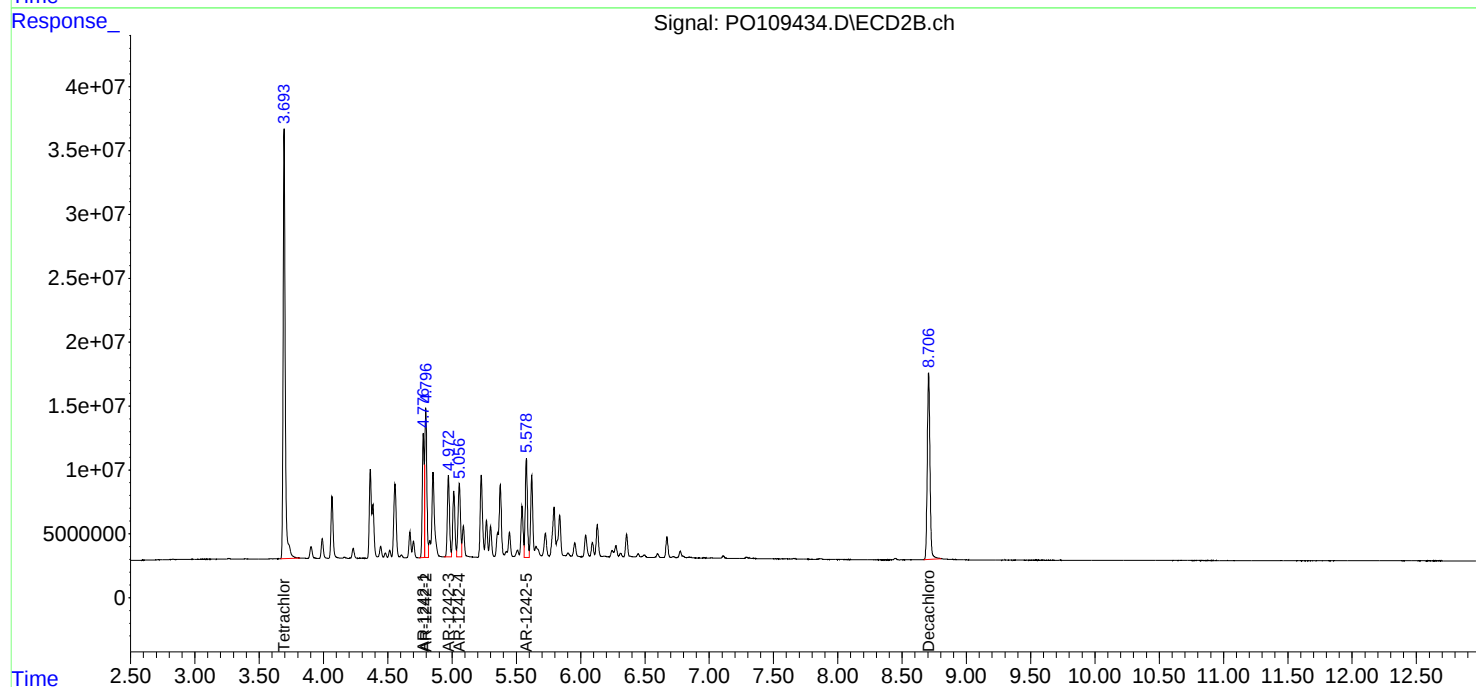
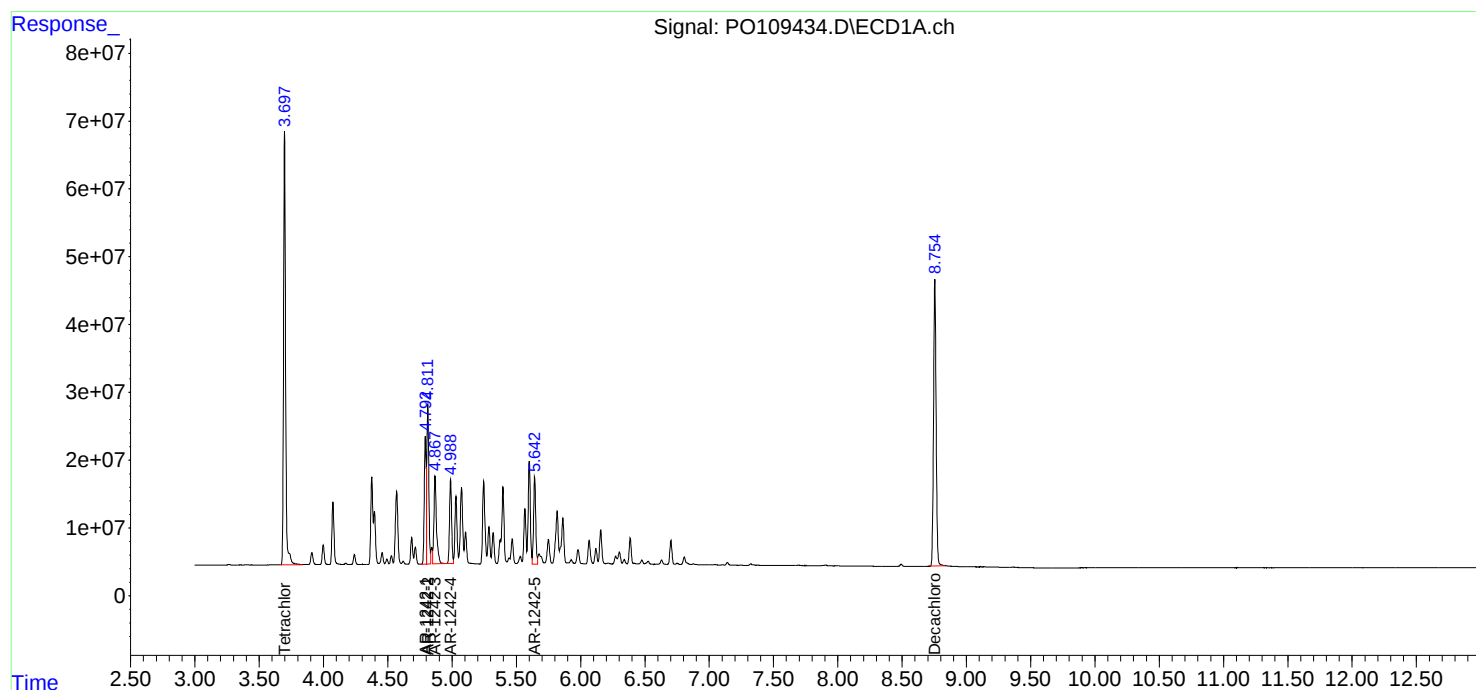
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109434.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 19:13  
Operator : YP/AJ  
Sample : AR1242ICC750  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:27:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109435.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 19:31  
 Operator : YP/AJ  
 Sample : AR1242ICC500  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:28:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.698 | 3.694 | 472.3E6 | 262.7E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.756 | 8.707 | 409.9E6 | 151.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.792 | 4.777 | 131.8E6 | 66564351 | 500.000 | 500.000 |
| 17) L4 AR-1242-2            | 4.811 | 4.797 | 180.0E6 | 91633308 | 500.000 | 500.000 |
| 18) L4 AR-1242-3            | 4.868 | 4.972 | 128.3E6 | 51122546 | 500.000 | 500.000 |
| 19) L4 AR-1242-4            | 4.989 | 5.057 | 100.1E6 | 53894501 | 500.000 | 500.000 |
| 20) L4 AR-1242-5            | 5.642 | 5.578 | 106.2E6 | 62619657 | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

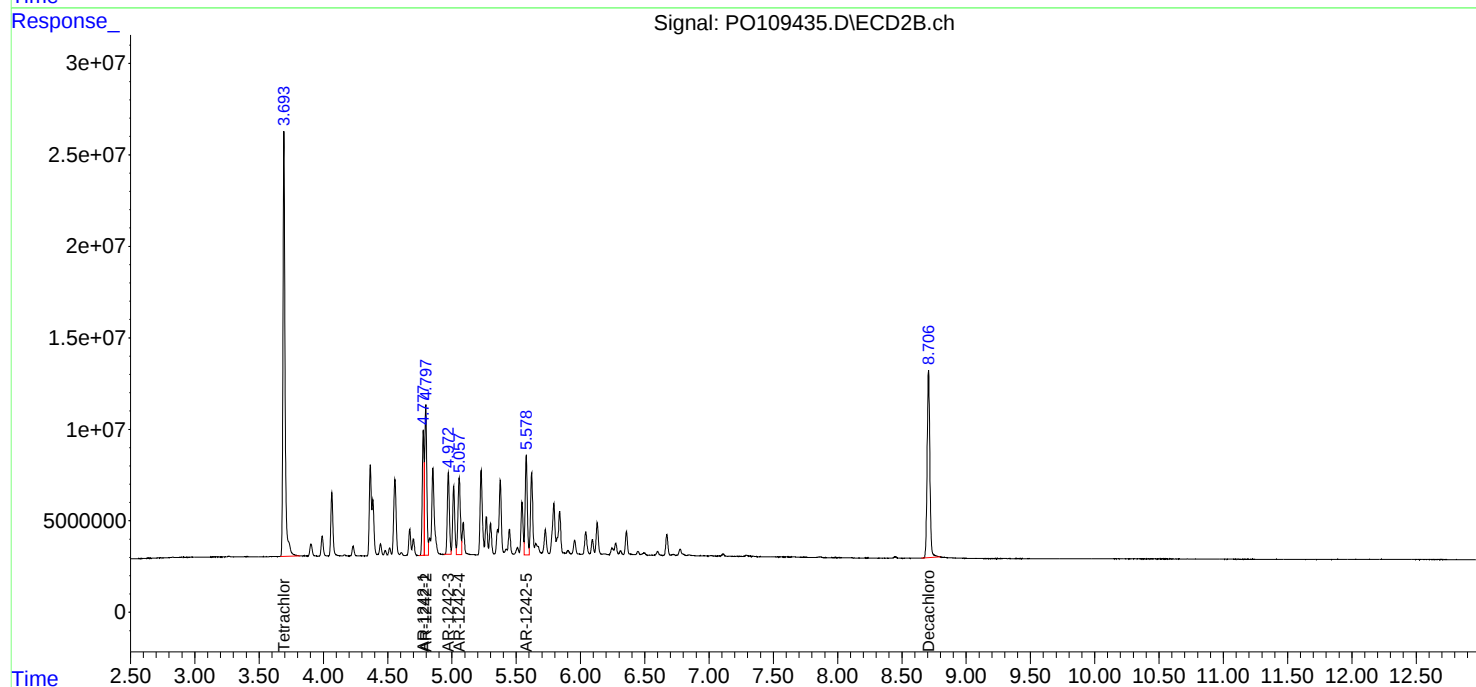
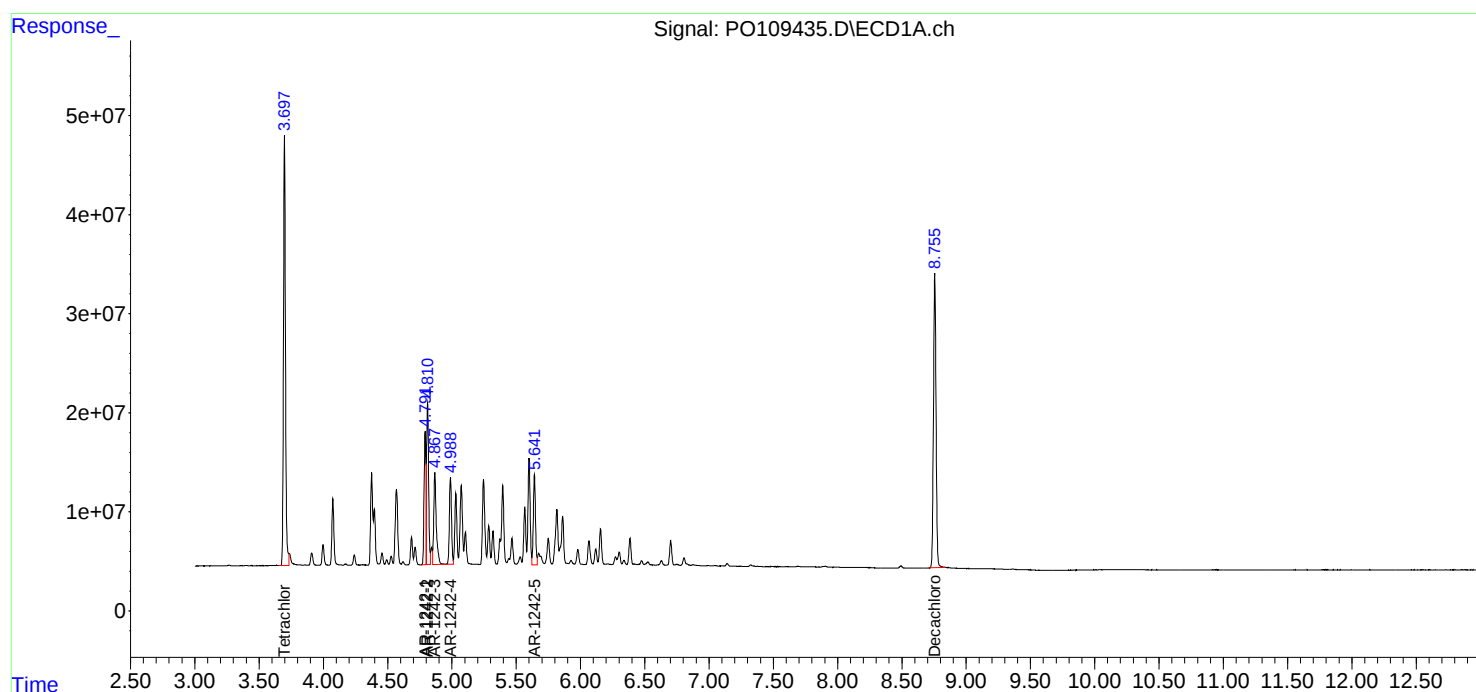
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109435.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 19:31  
Operator : YP/AJ  
Sample : AR1242ICC500  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:28:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109436.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 19:50  
 Operator : YP/AJ  
 Sample : AR1242ICC250  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:28:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 239.2E6  | 132.2E6  | 25.321  | 25.168  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 217.2E6  | 81084477 | 26.492  | 26.856  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.791 | 4.777 | 69551526 | 35357200 | 263.870 | 265.587 |
| 17) L4 AR-1242-2            | 4.811 | 4.796 | 94458948 | 48004344 | 262.369 | 261.937 |
| 18) L4 AR-1242-3            | 4.867 | 4.972 | 67985441 | 26922985 | 264.977 | 263.318 |
| 19) L4 AR-1242-4            | 4.988 | 5.056 | 52548713 | 28834607 | 262.488 | 267.510 |
| 20) L4 AR-1242-5            | 5.642 | 5.578 | 58079362 | 33950495 | 273.412 | 271.085 |
| -----                       |       |       |          |          |         |         |

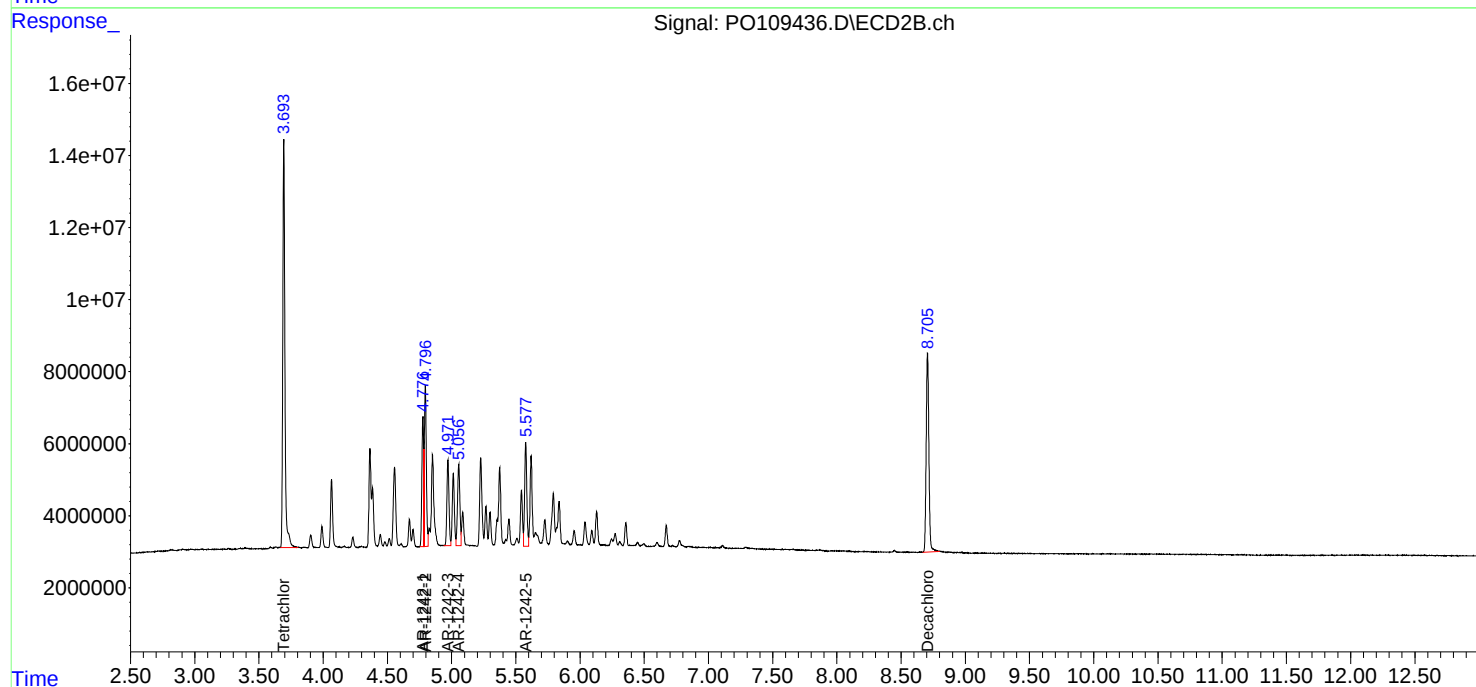
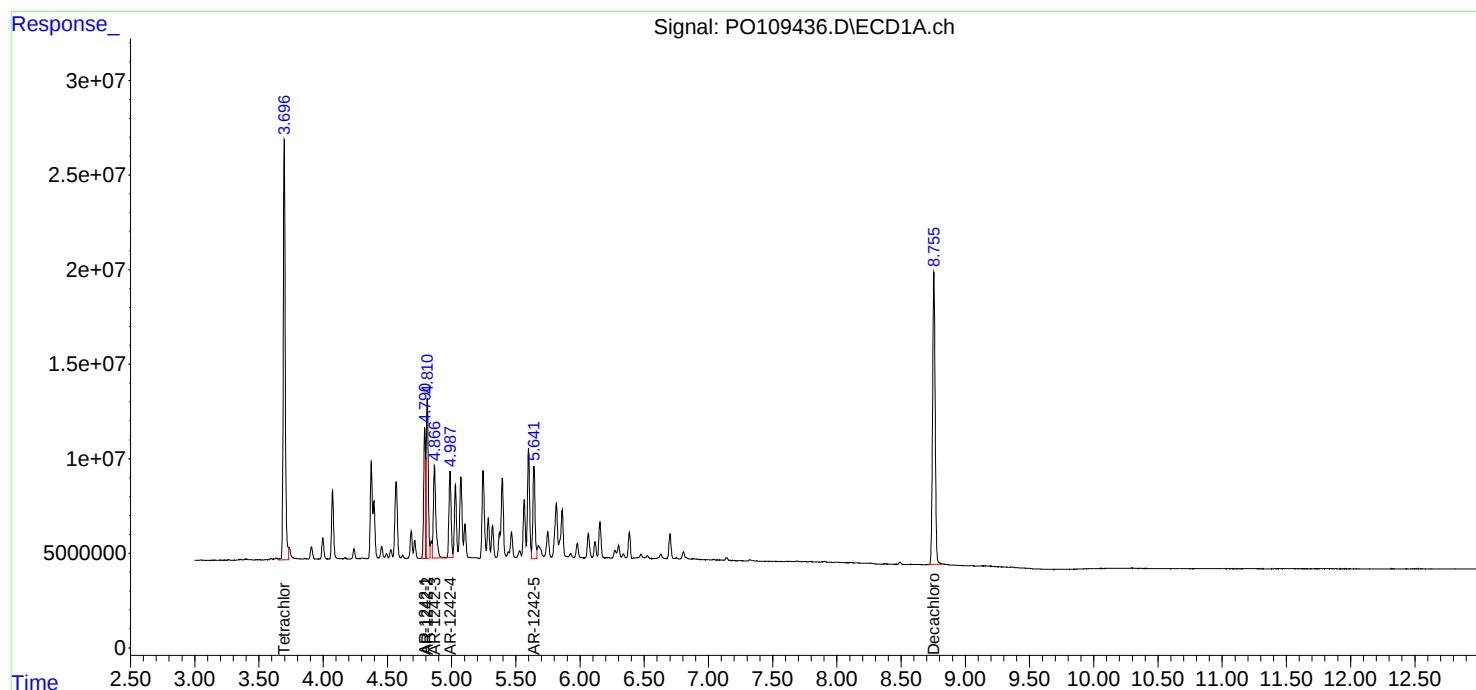
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109436.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 19:50  
Operator : YP/AJ  
Sample : AR1242ICC250  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:28:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109437.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 20:08  
 Operator : YP/AJ  
 Sample : AR1242ICC050  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1242ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
 Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:28:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 45284325 | 24258325 | 4.794   | 4.617   |
| 2) SA Decachlor...          | 8.755 | 8.706 | 43522830 | 16219813 | 5.310   | 5.372   |
| Target Compounds            |       |       |          |          |         |         |
| 16) L4 AR-1242-1            | 4.792 | 4.777 | 13835003 | 7073196  | 52.488  | 53.131  |
| 17) L4 AR-1242-2            | 4.811 | 4.796 | 18548986 | 9458809  | 51.522  | 51.612  |
| 18) L4 AR-1242-3            | 4.867 | 4.971 | 12898843 | 4970561  | 50.274  | 48.614  |
| 19) L4 AR-1242-4            | 4.988 | 5.055 | 10088199 | 5702832  | 50.392  | 52.907  |
| 20) L4 AR-1242-5            | 5.641 | 5.577 | 11831514 | 6828665  | 55.698m | 54.525m |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
Data File : P0109437.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 20:08  
Operator : YP/AJ  
Sample : AR1242ICC050  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

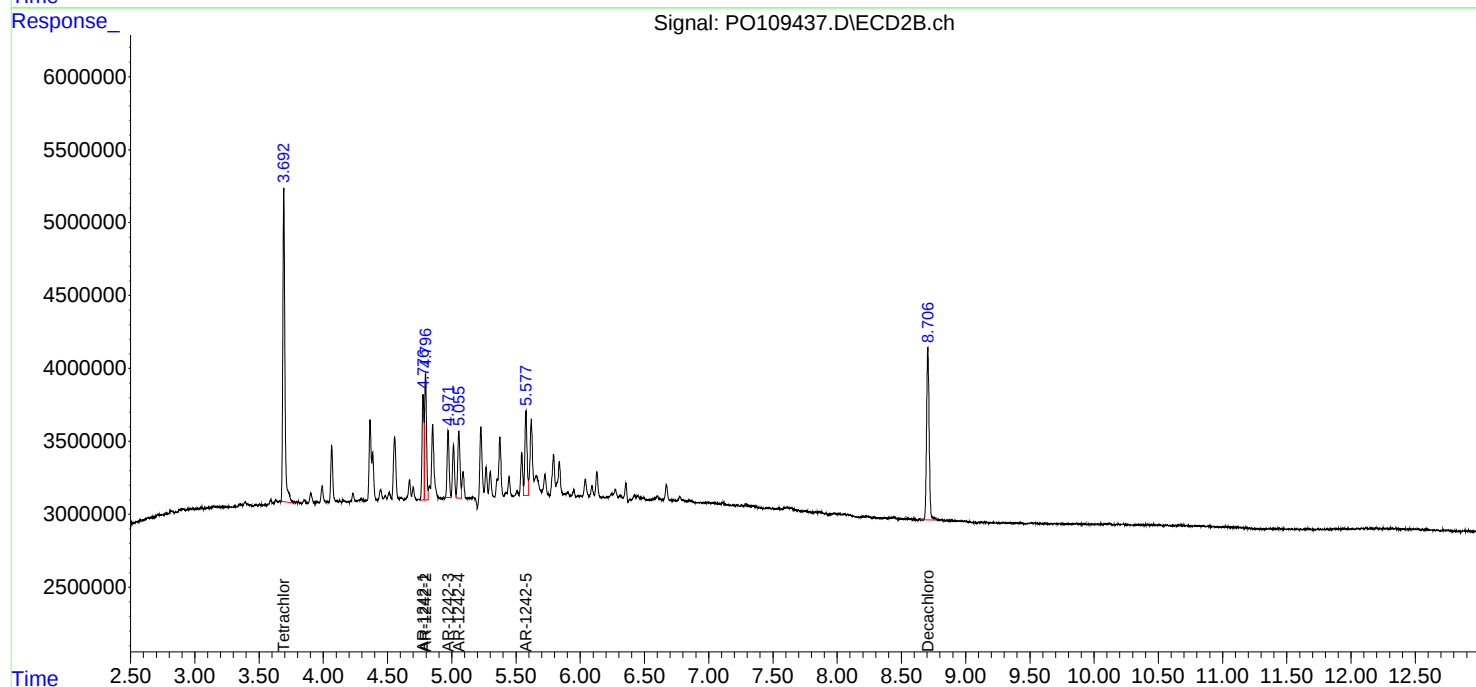
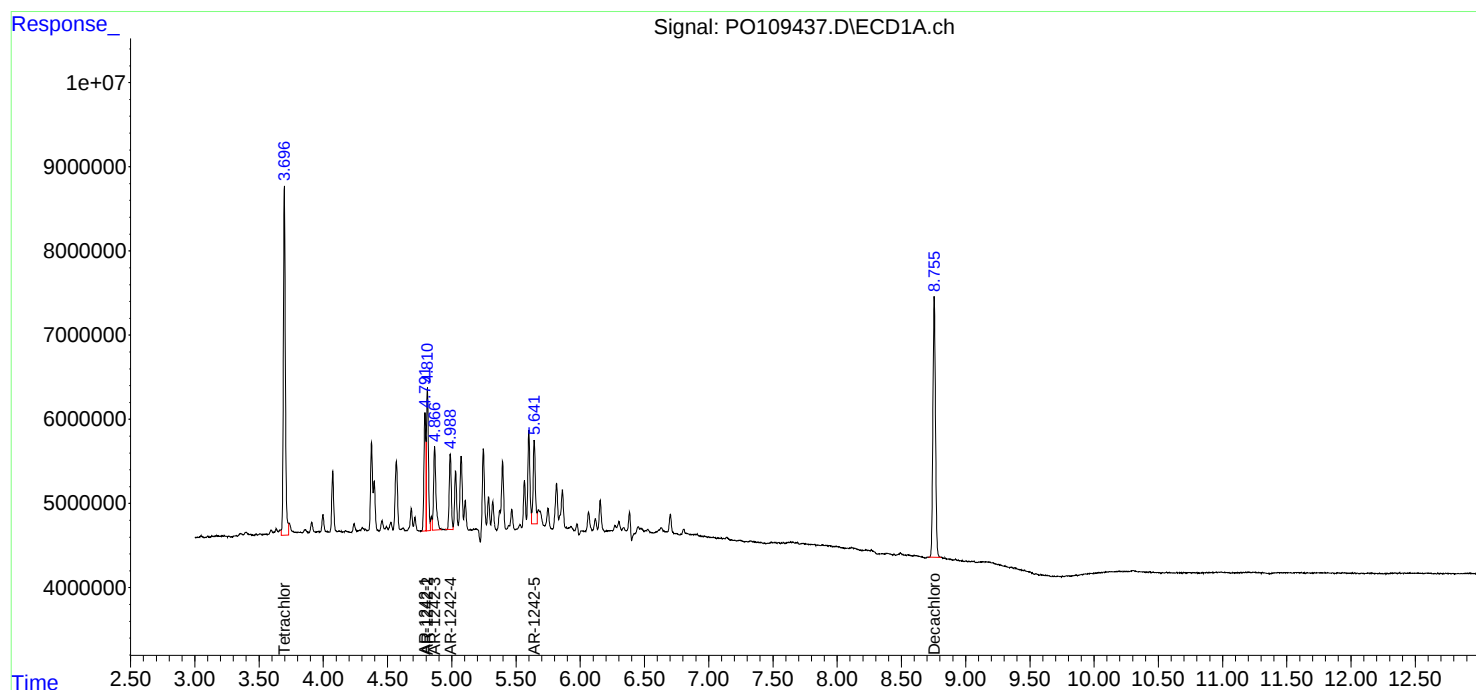
Instrument :  
ECD\_O  
ClientSampleId :  
AR1242ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:28:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109438.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 20:26  
 Operator : YP/AJ  
 Sample : AR1248ICC1000  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1248ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:45:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.697 | 3.694 | 915.4E6 | 495.5E6  | 93.761  | 94.908  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 770.4E6 | 279.0E6  | 92.405  | 91.836  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.791 | 4.777 | 183.4E6 | 91256927 | 912.814 | 905.620 |
| 22) L5 AR-1248-2            | 5.030 | 5.014 | 249.5E6 | 130.6E6  | 885.902 | 891.678 |
| 23) L5 AR-1248-3            | 5.246 | 5.057 | 313.6E6 | 139.3E6  | 905.924 | 894.551 |
| 24) L5 AR-1248-4            | 5.600 | 5.228 | 440.0E6 | 163.9E6  | 918.126 | 908.733 |
| 25) L5 AR-1248-5            | 5.642 | 5.620 | 310.5E6 | 154.4E6  | 919.575 | 910.254 |
| -----                       |       |       |         |          |         |         |

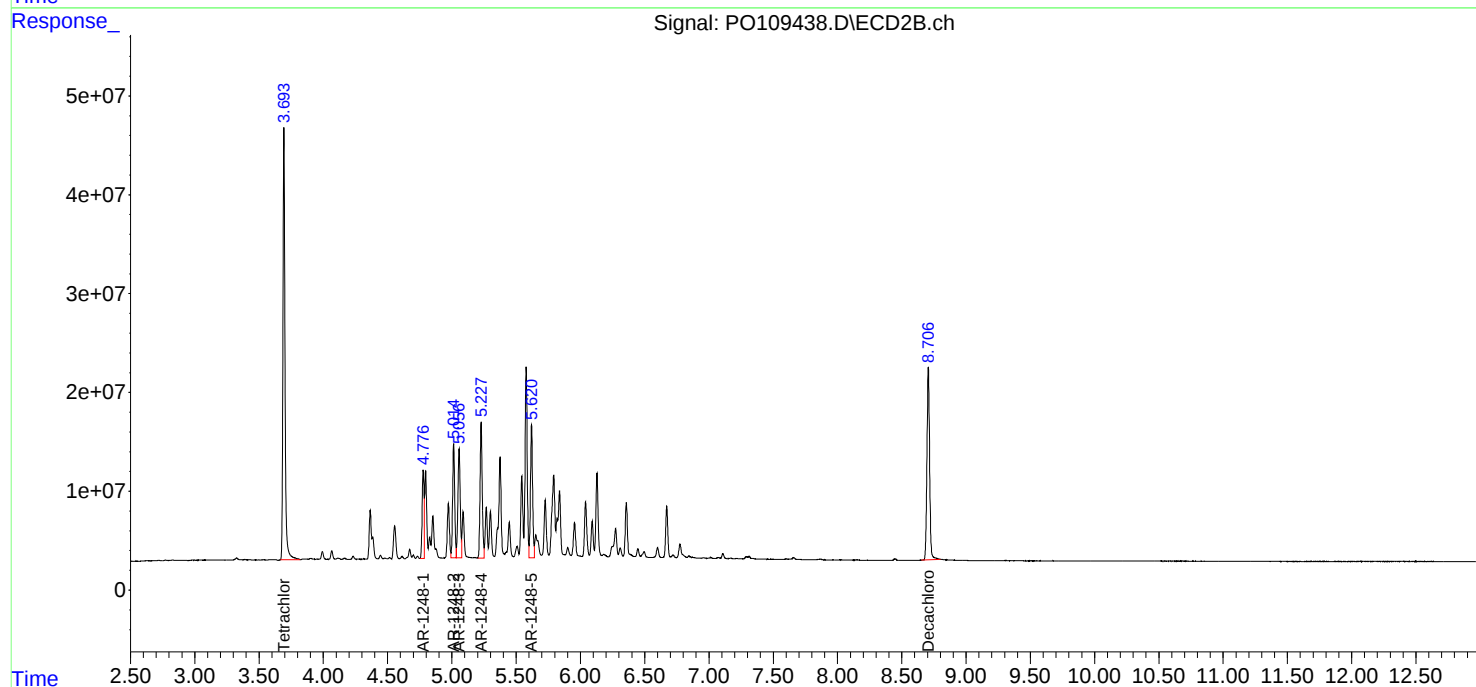
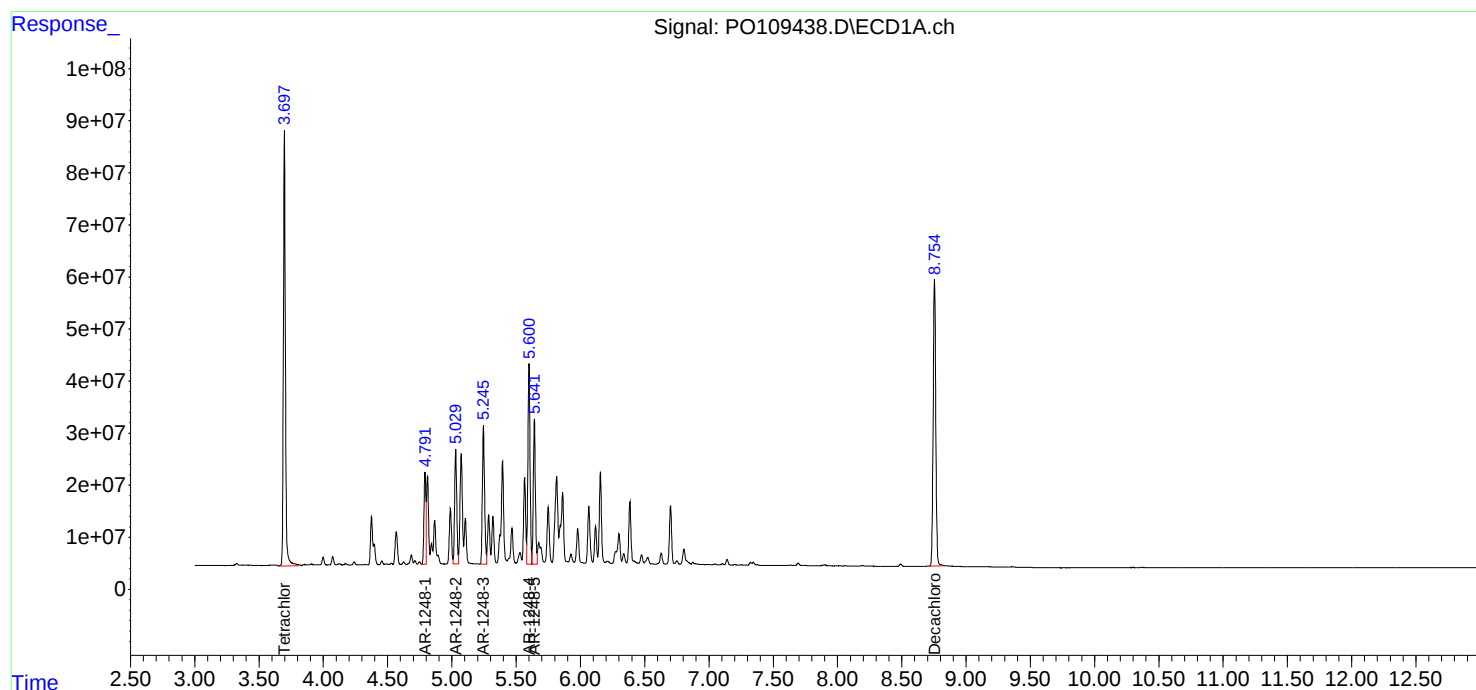
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109438.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 20:26  
Operator : YP/AJ  
Sample : AR1248ICC1000  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:45:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109439.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 20:45  
 Operator : YP/AJ  
 Sample : AR1248ICC750  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1248ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:48:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.697 | 3.693 | 699.0E6 | 378.0E6  | 71.591  | 72.405  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 593.5E6 | 215.5E6  | 71.185  | 70.928  |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.791 | 4.777 | 141.9E6 | 70604671 | 706.516 | 700.670 |
| 22) L5 AR-1248-2            | 5.030 | 5.014 | 196.7E6 | 102.5E6  | 698.273 | 699.925 |
| 23) L5 AR-1248-3            | 5.245 | 5.056 | 243.5E6 | 108.7E6  | 703.429 | 697.958 |
| 24) L5 AR-1248-4            | 5.600 | 5.227 | 339.5E6 | 127.1E6  | 708.585 | 704.454 |
| 25) L5 AR-1248-5            | 5.642 | 5.619 | 238.9E6 | 118.8E6  | 707.520 | 700.785 |
| -----                       |       |       |         |          |         |         |

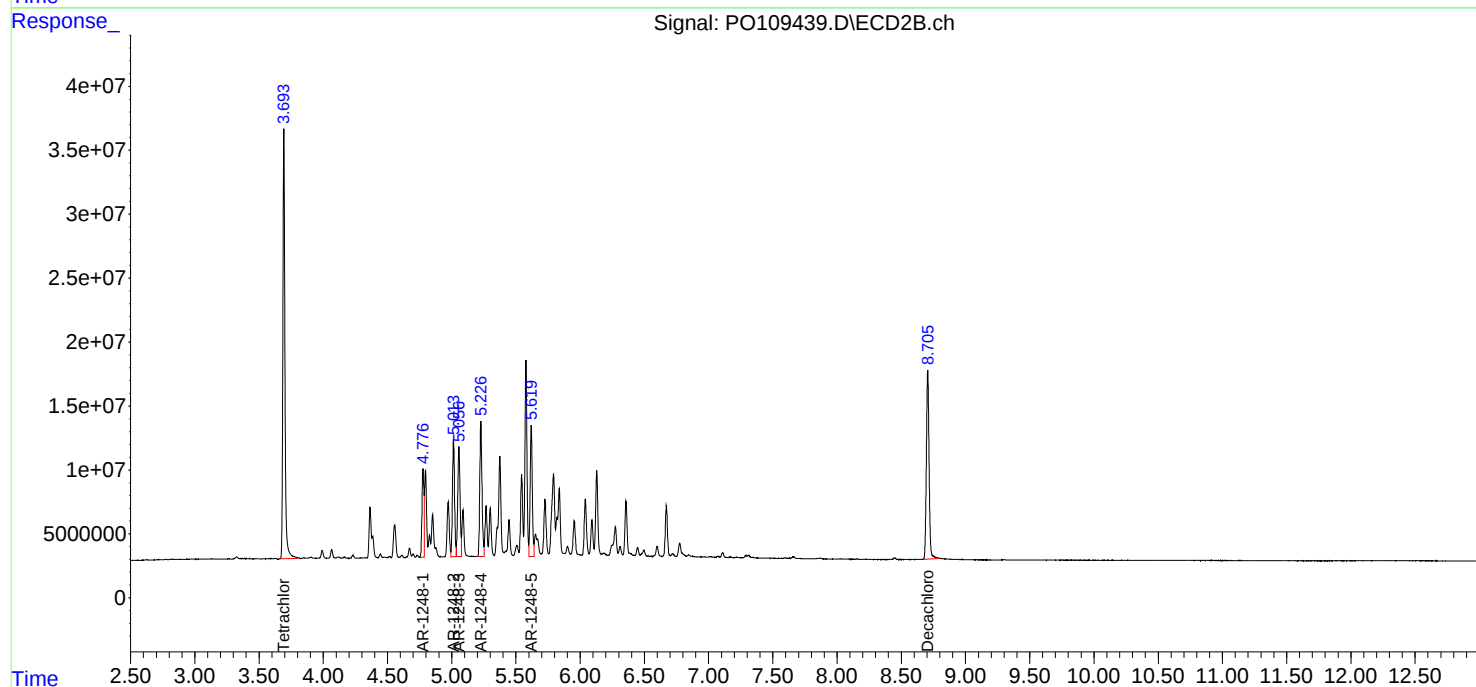
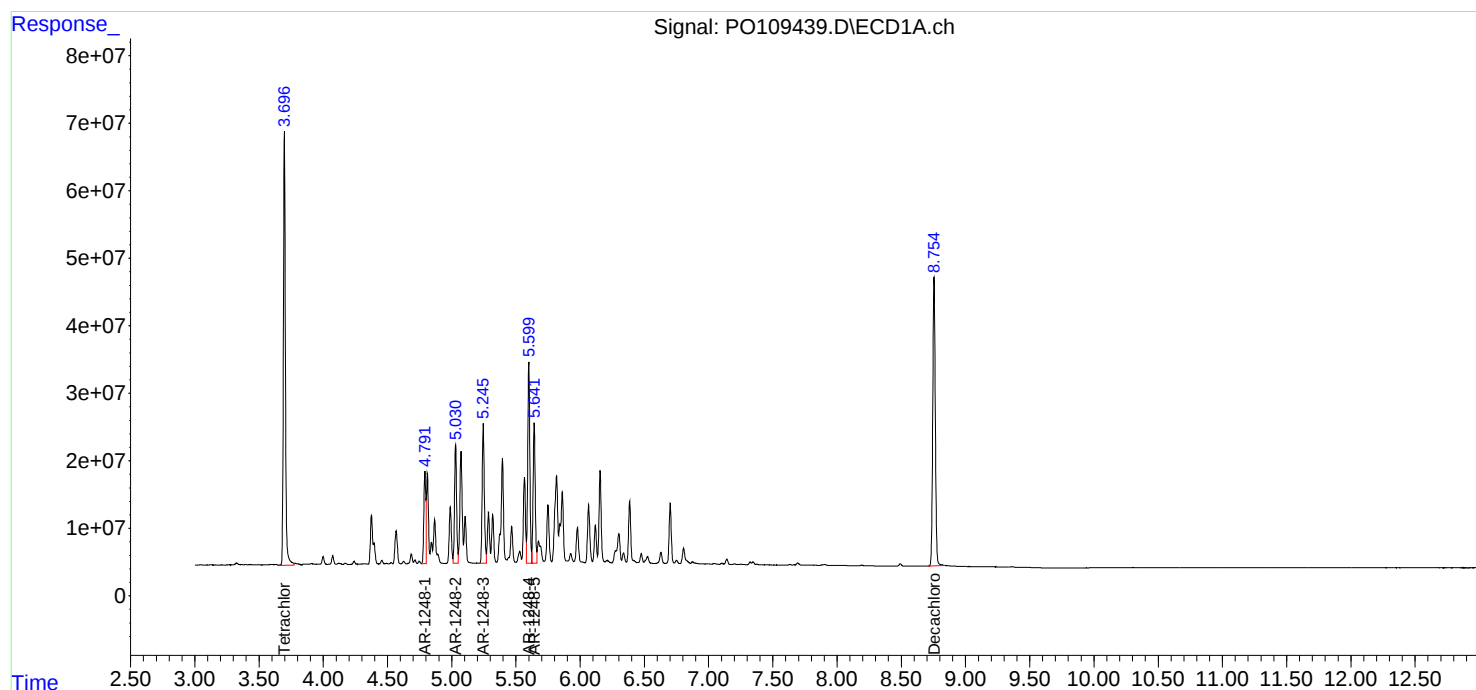
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109439.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 20:45  
Operator : YP/AJ  
Sample : AR1248ICC750  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:48:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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\_O\Data\P0022025\  
 Data File : P0109440.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 21:03  
 Operator : YP/AJ  
 Sample : AR1248ICC500  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1248ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:48:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.697 | 3.694 | 488.2E6 | 261.1E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.755 | 8.706 | 416.9E6 | 151.9E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.792 | 4.777 | 100.5E6 | 50383698 | 500.000 | 500.000 |
| 22) L5 AR-1248-2            | 5.030 | 5.014 | 140.8E6 | 73210547 | 500.000 | 500.000 |
| 23) L5 AR-1248-3            | 5.245 | 5.056 | 173.1E6 | 77850845 | 500.000 | 500.000 |
| 24) L5 AR-1248-4            | 5.601 | 5.227 | 239.6E6 | 90182217 | 500.000 | 500.000 |
| 25) L5 AR-1248-5            | 5.642 | 5.619 | 168.8E6 | 84787780 | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

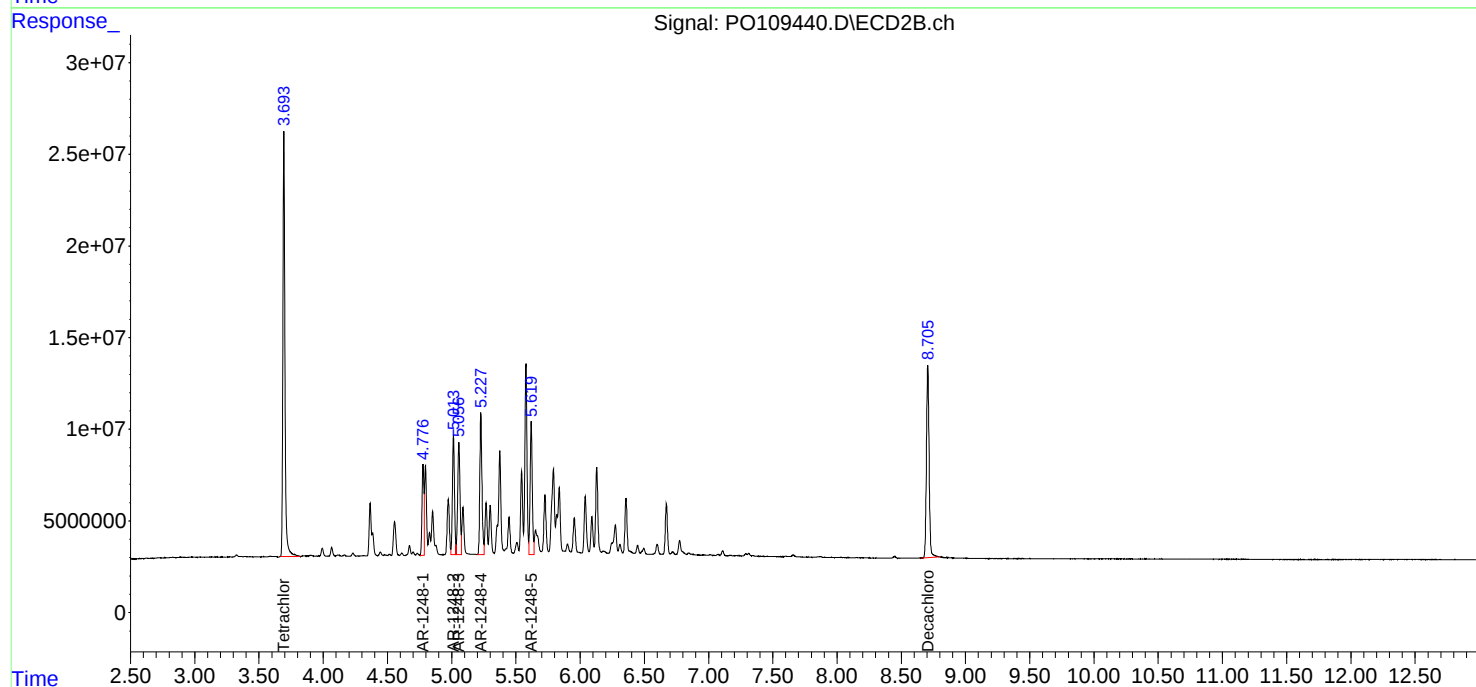
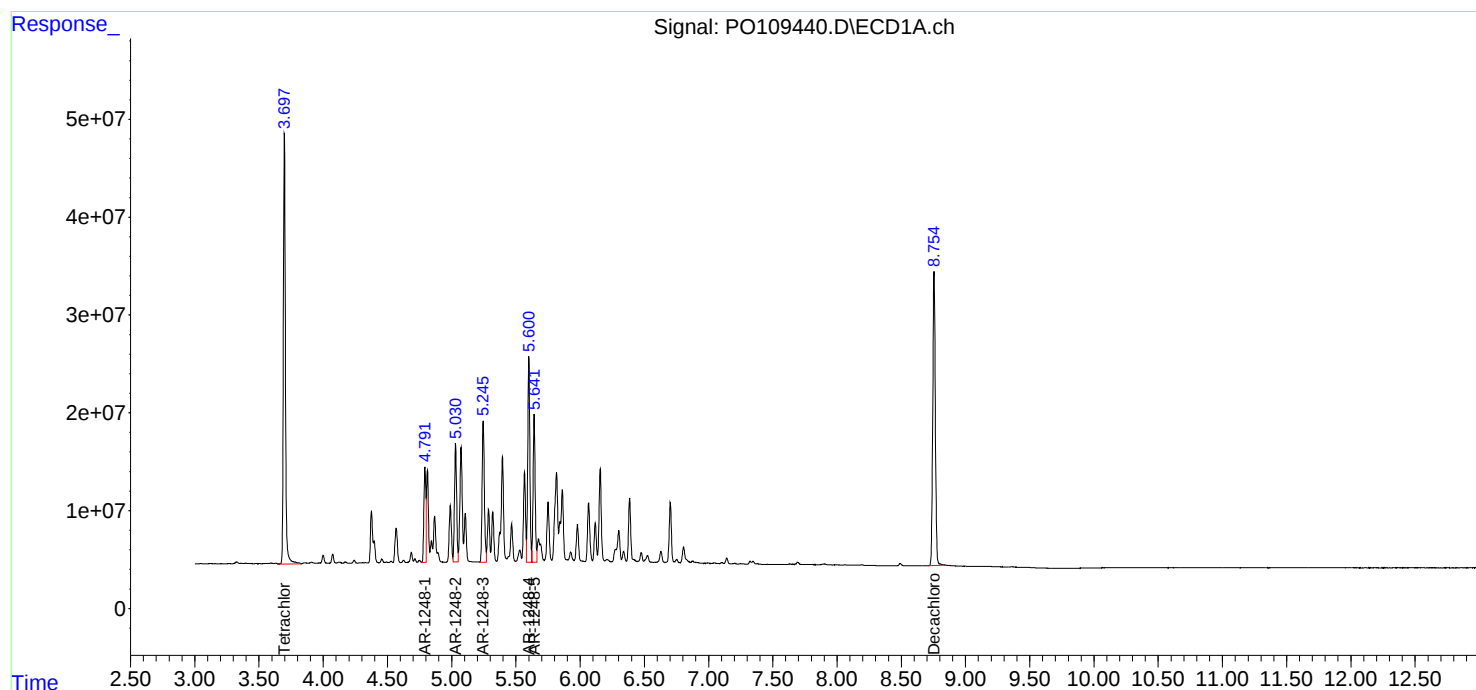
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109440.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 21:03  
Operator : YP/AJ  
Sample : AR1248ICC500  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:48:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109441.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 21:21  
 Operator : YP/AJ  
 Sample : AR1248ICC250  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1248ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:48:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.697 | 3.693 | 247.1E6  | 131.6E6  | 25.309  | 25.209  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 220.4E6  | 81028918 | 26.436  | 26.667  |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.791 | 4.777 | 53414649 | 26903650 | 265.875 | 266.988 |
| 22) L5 AR-1248-2            | 5.030 | 5.014 | 74897714 | 39285877 | 265.920 | 268.307 |
| 23) L5 AR-1248-3            | 5.245 | 5.056 | 92525840 | 41607588 | 267.248 | 267.226 |
| 24) L5 AR-1248-4            | 5.600 | 5.227 | 127.4E6  | 48427931 | 265.835 | 268.500 |
| 25) L5 AR-1248-5            | 5.642 | 5.620 | 91434201 | 45832980 | 270.811 | 270.281 |
| -----                       |       |       |          |          |         |         |

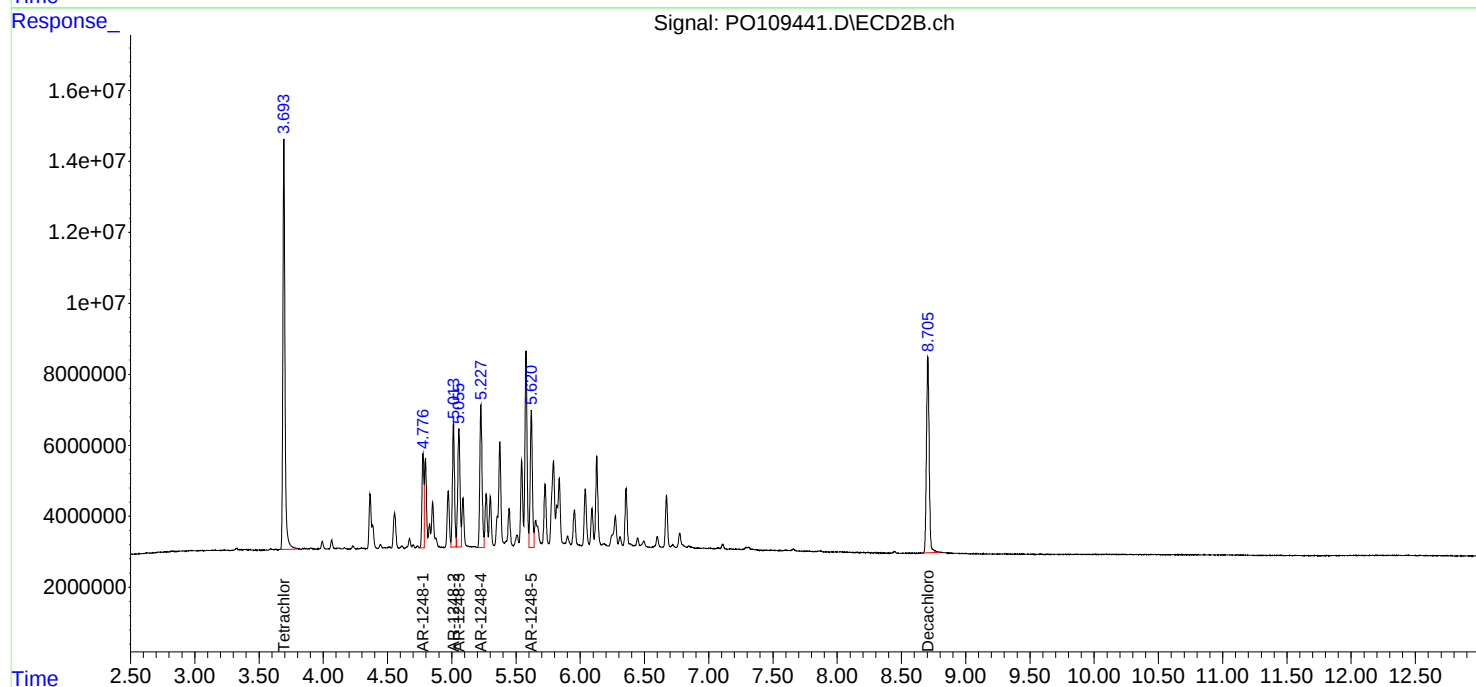
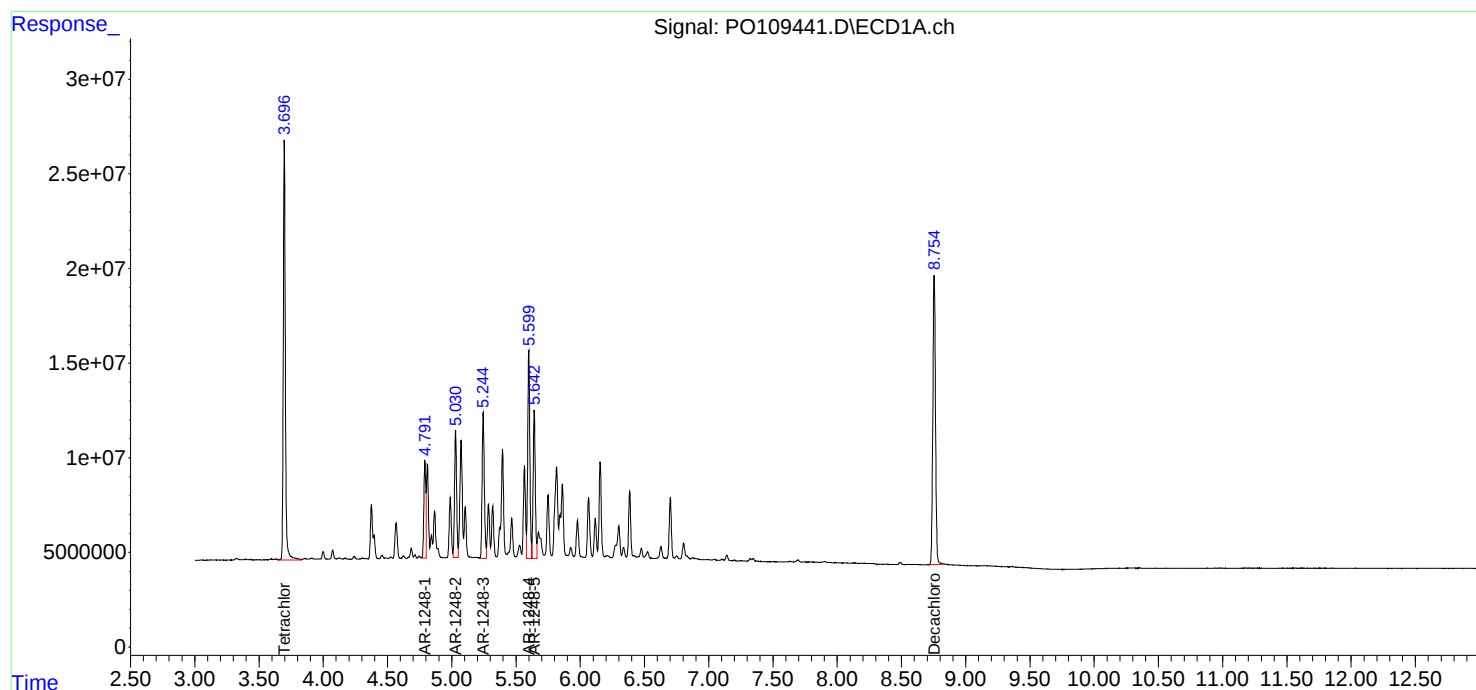
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109441.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 21:21  
Operator : YP/AJ  
Sample : AR1248ICC250  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:48:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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\_O\Data\P0022025\  
 Data File : P0109442.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 21:40  
 Operator : YP/AJ  
 Sample : AR1248ICC050  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1248ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
 Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:49:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.697 | 3.693 | 46251223 | 23752948 | 4.737   | 4.549   |
| 2) SA Decachlor...          | 8.754 | 8.706 | 44397899 | 16474487 | 5.325   | 5.422   |
| Target Compounds            |       |       |          |          |         |         |
| 21) L5 AR-1248-1            | 4.791 | 4.776 | 10517320 | 5442853  | 52.351  | 54.014  |
| 22) L5 AR-1248-2            | 5.030 | 5.013 | 14922906 | 7831415  | 52.983  | 53.486  |
| 23) L5 AR-1248-3            | 5.245 | 5.055 | 19608812 | 8436393  | 56.637  | 54.183  |
| 24) L5 AR-1248-4            | 5.599 | 5.227 | 25203917 | 9829738  | 52.598m | 54.499m |
| 25) L5 AR-1248-5            | 5.641 | 5.618 | 19009831 | 9765442  | 56.304m | 57.588m |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109442.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 21:40  
Operator : YP/AJ  
Sample : AR1248ICC050  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

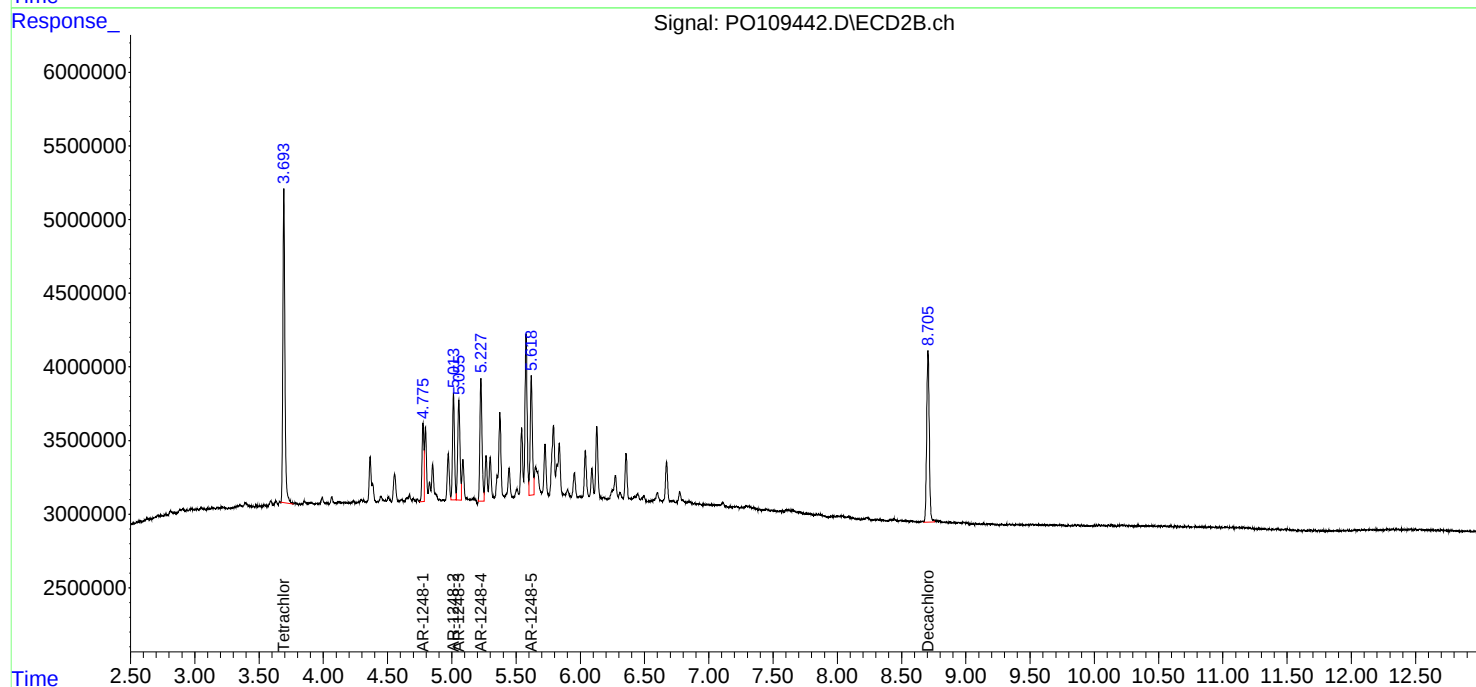
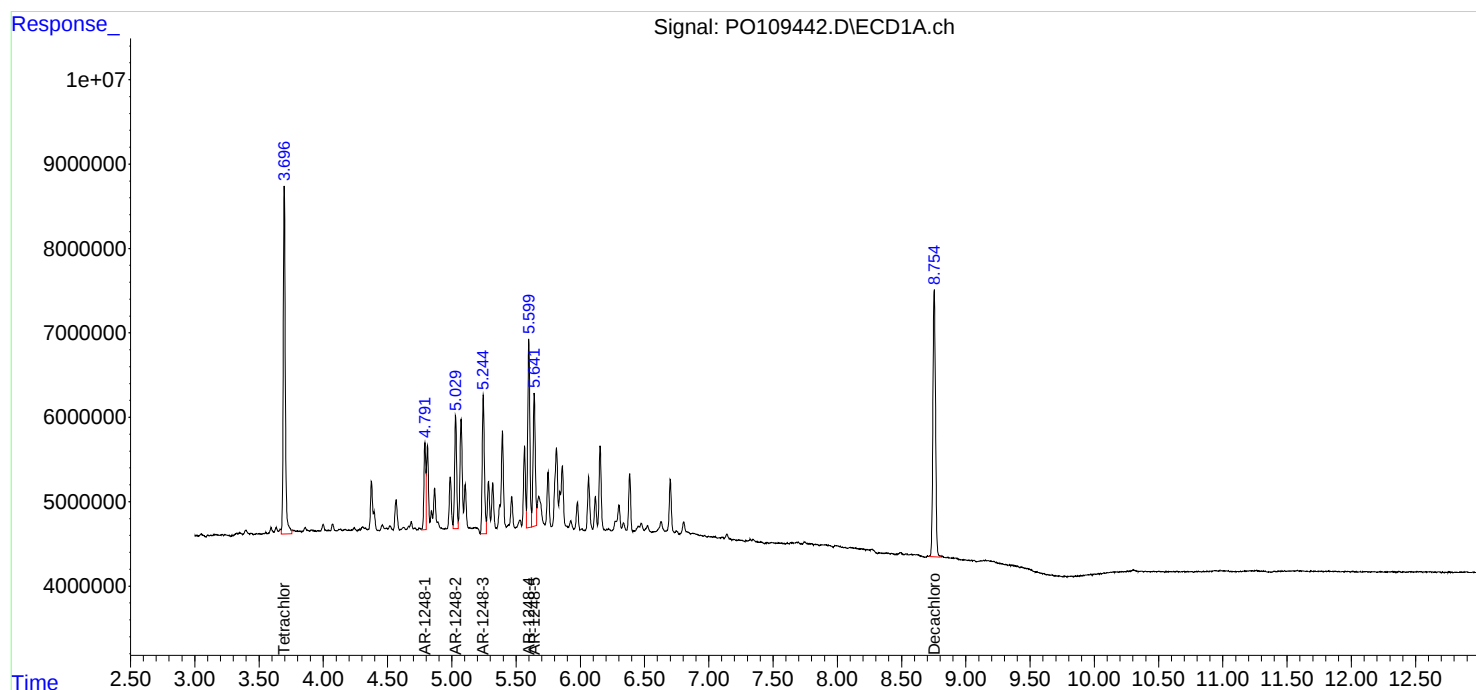
Instrument :  
ECD\_O  
ClientSampleId :  
AR1248ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:49:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109443.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 21:58  
 Operator : YP/AJ  
 Sample : AR1254ICC1000  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1254ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:05:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.697 | 3.693 | 951.1E6 | 511.8E6 | 96.621  | 98.139  |
| 2) SA Decachlor...          | 8.754 | 8.705 | 796.7E6 | 284.2E6 | 93.419  | 92.489  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.600 | 5.578 | 480.6E6 | 243.6E6 | 934.551 | 933.795 |
| 27) L6 AR-1254-2            | 5.749 | 5.726 | 417.5E6 | 212.5E6 | 924.809 | 921.386 |
| 28) L6 AR-1254-3            | 6.155 | 6.129 | 684.8E6 | 339.8E6 | 943.785 | 941.402 |
| 29) L6 AR-1254-4            | 6.384 | 6.357 | 418.0E6 | 192.3E6 | 974.859 | 962.866 |
| 30) L6 AR-1254-5            | 6.805 | 6.774 | 597.3E6 | 278.5E6 | 945.656 | 939.652 |
| -----                       |       |       |         |         |         |         |

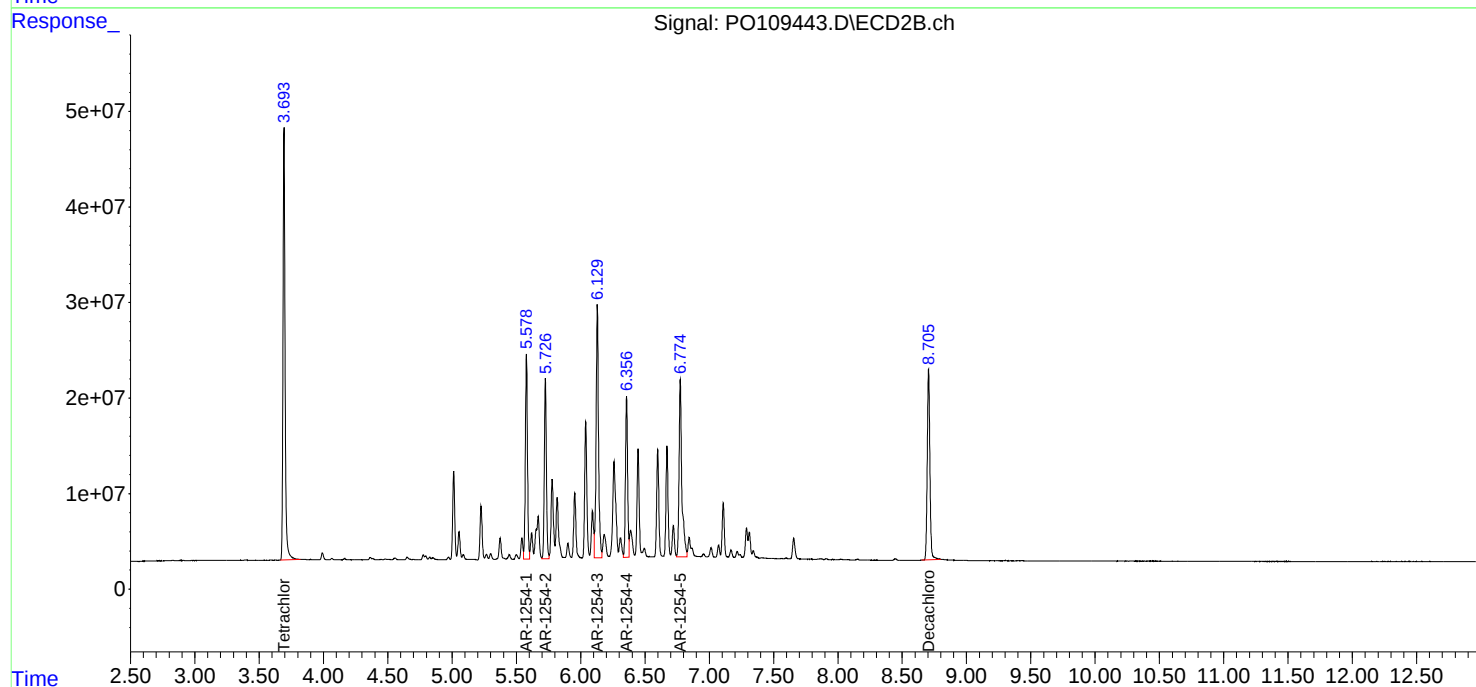
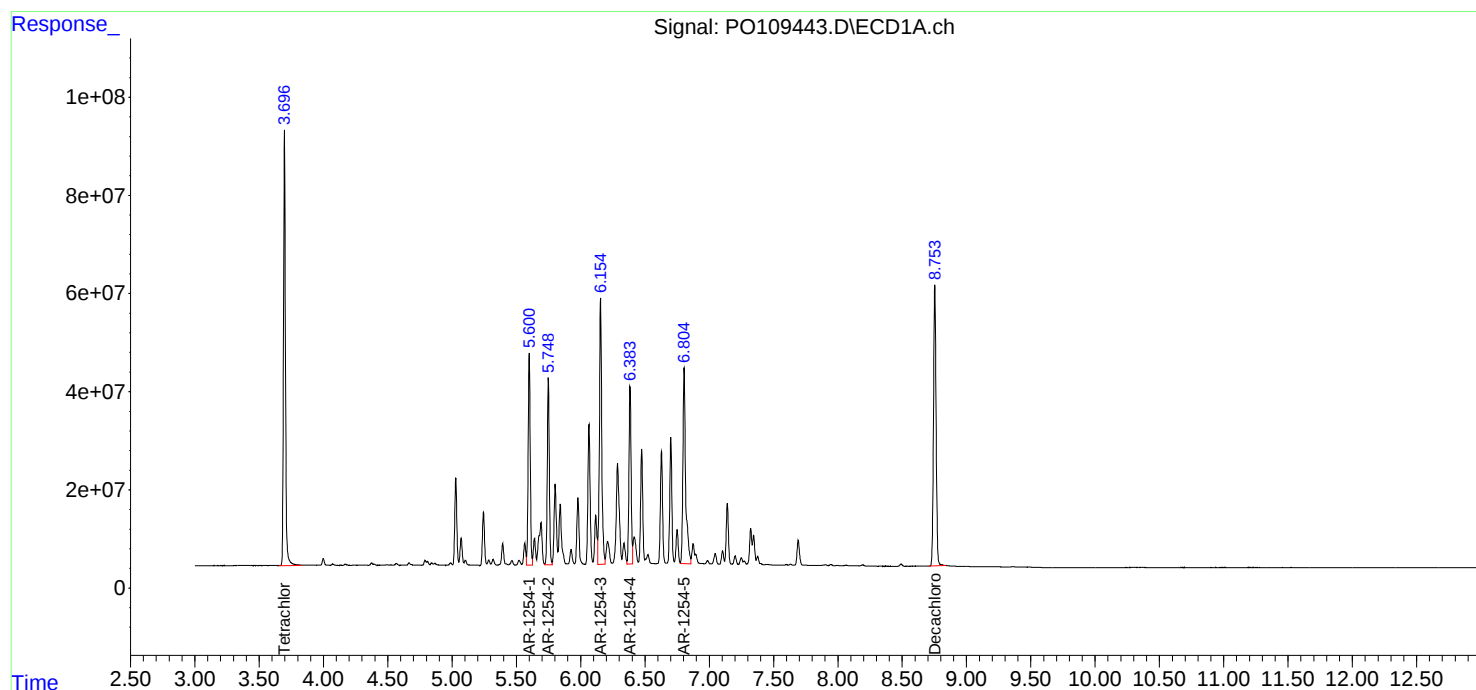
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109443.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 21:58  
Operator : YP/AJ  
Sample : AR1254ICC1000  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:05:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109444.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 22:17  
 Operator : YP/AJ  
 Sample : AR1254ICC750  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1254ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:05:50 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.697 | 3.694 | 720.2E6 | 386.1E6 | 73.159  | 74.040  |
| 2) SA Decachlor...          | 8.756 | 8.705 | 609.4E6 | 219.1E6 | 71.460  | 71.318  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.601 | 5.579 | 368.4E6 | 186.7E6 | 716.388 | 715.385 |
| 27) L6 AR-1254-2            | 5.750 | 5.726 | 321.9E6 | 164.0E6 | 713.024 | 710.983 |
| 28) L6 AR-1254-3            | 6.156 | 6.129 | 523.0E6 | 259.8E6 | 720.743 | 719.697 |
| 29) L6 AR-1254-4            | 6.385 | 6.357 | 307.4E6 | 142.4E6 | 716.868 | 712.856 |
| 30) L6 AR-1254-5            | 6.806 | 6.775 | 456.7E6 | 212.9E6 | 723.070 | 718.501 |
| -----                       |       |       |         |         |         |         |

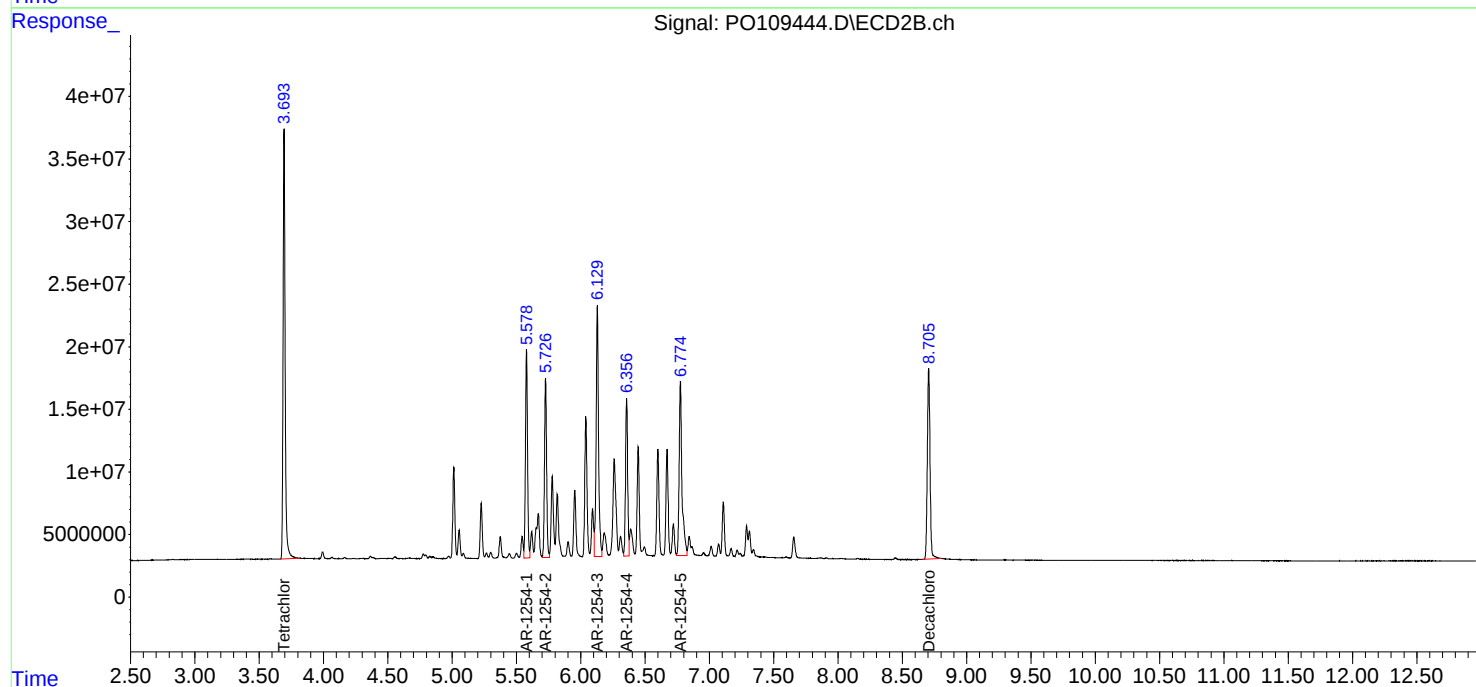
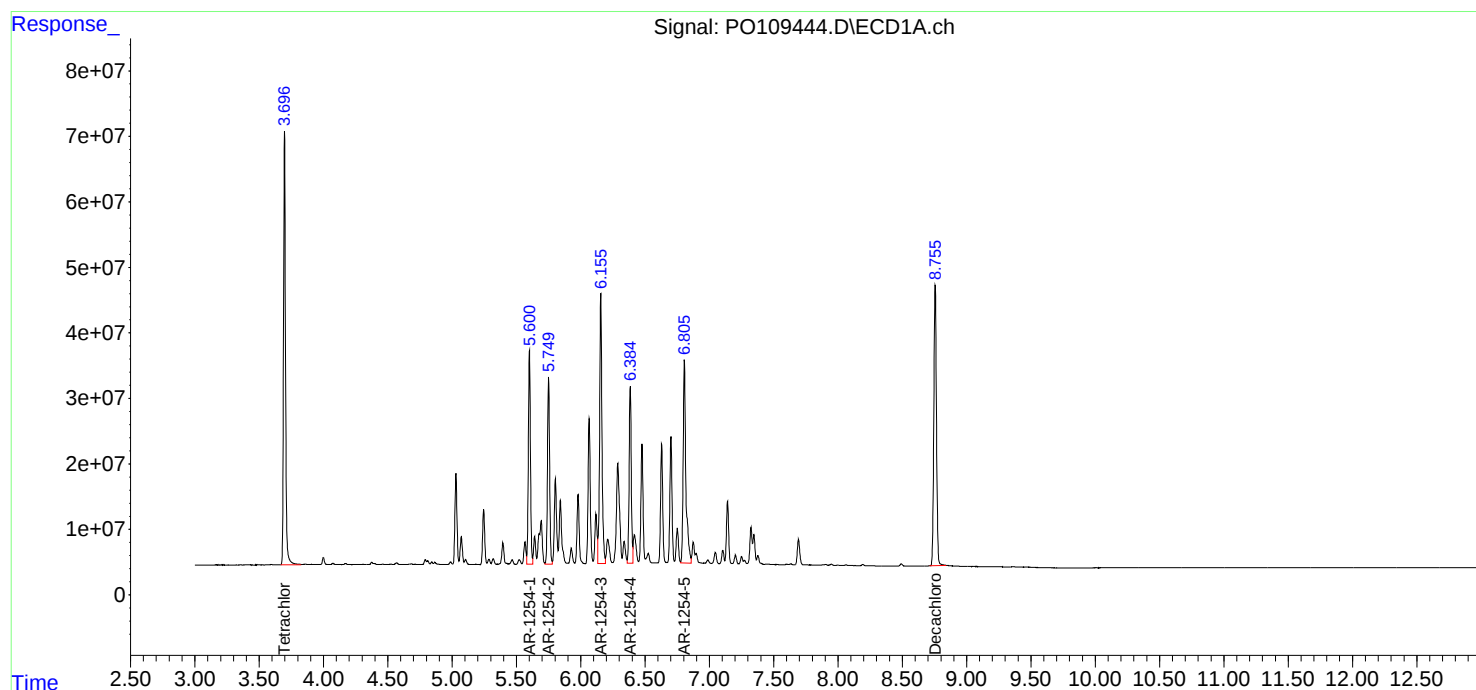
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109444.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 22:17  
Operator : YP/AJ  
Sample : AR1254ICC750  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:05:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109445.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 22:35  
 Operator : YP/AJ  
 Sample : AR1254ICC500  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1254ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:06:04 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.697 | 3.693 | 492.2E6 | 260.7E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 426.4E6 | 153.6E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 26) L6 AR-1254-1            | 5.601 | 5.578 | 257.1E6 | 130.5E6  | 500.000 | 500.000 |
| 27) L6 AR-1254-2            | 5.749 | 5.726 | 225.7E6 | 115.3E6  | 500.000 | 500.000 |
| 28) L6 AR-1254-3            | 6.155 | 6.129 | 362.8E6 | 180.5E6  | 500.000 | 500.000 |
| 29) L6 AR-1254-4            | 6.385 | 6.356 | 214.4E6 | 99873317 | 500.000 | 500.000 |
| 30) L6 AR-1254-5            | 6.805 | 6.774 | 315.8E6 | 148.2E6  | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

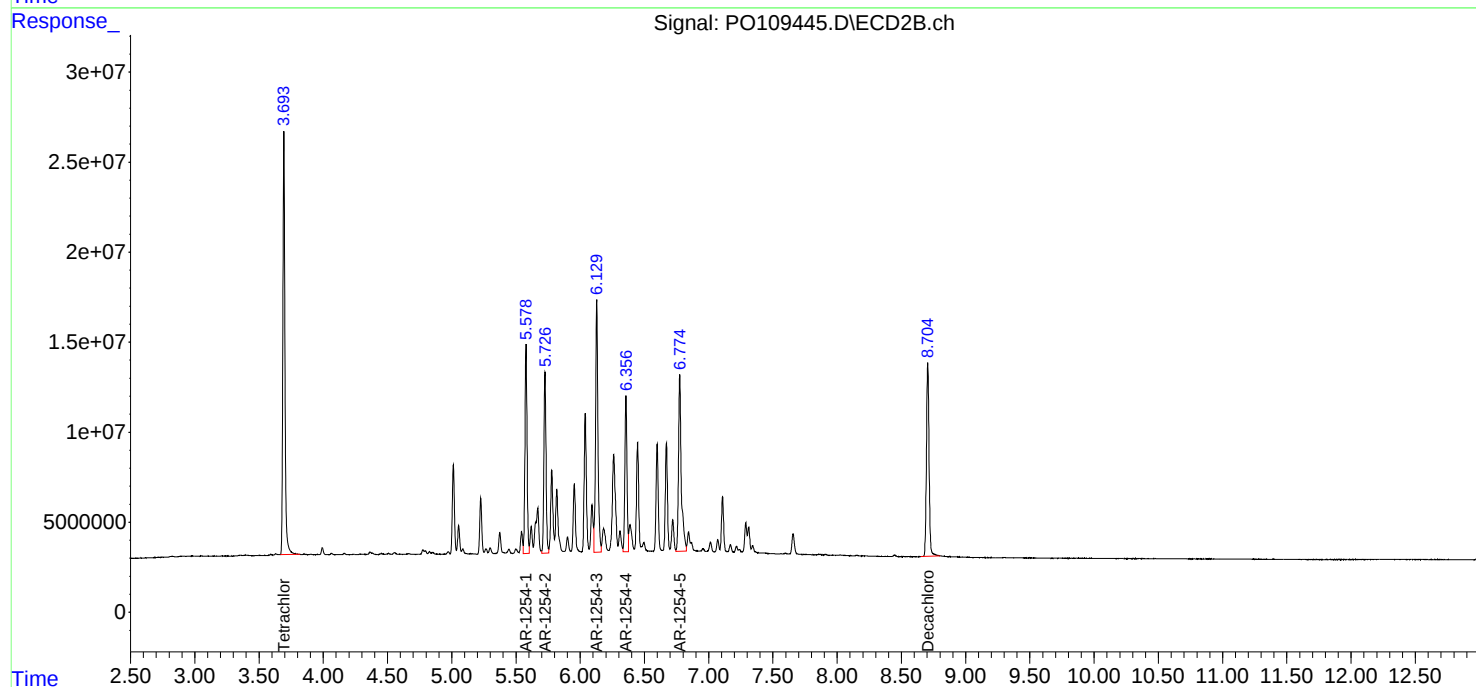
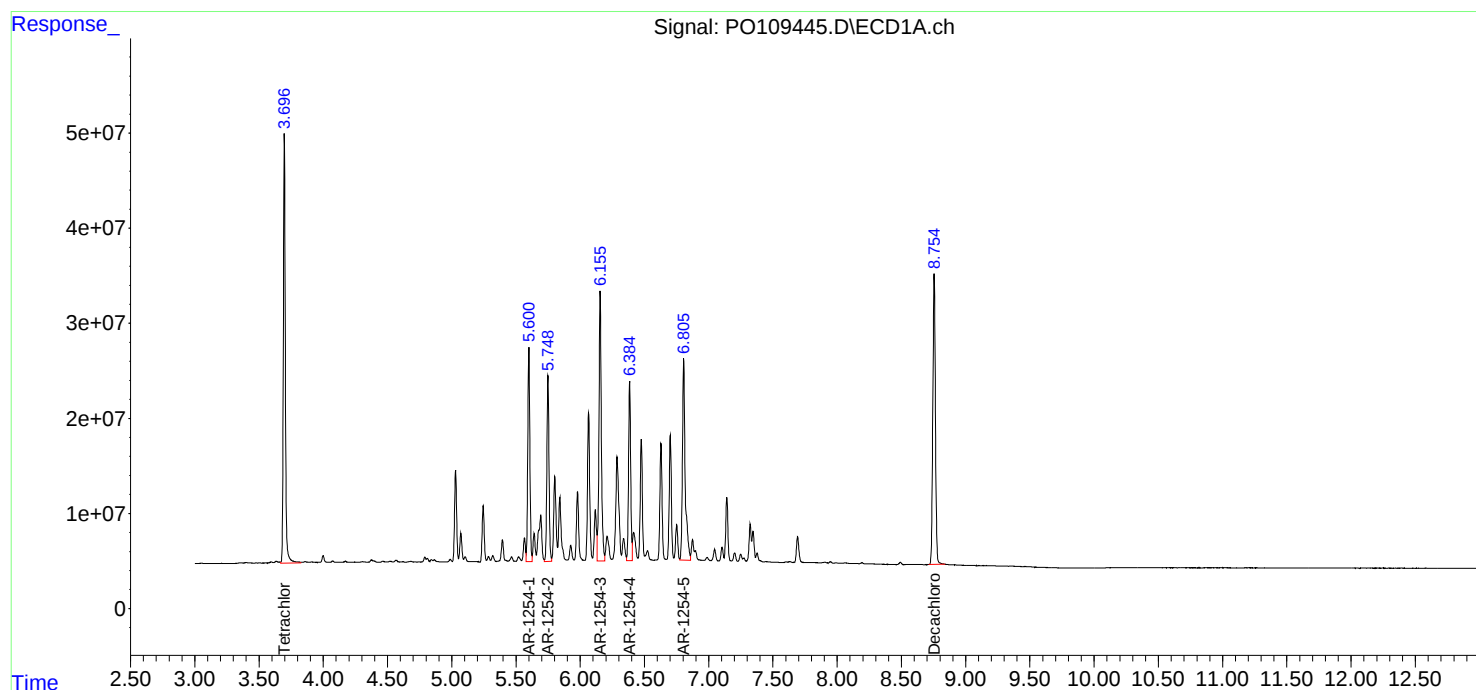
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109445.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 22:35  
Operator : YP/AJ  
Sample : AR1254ICC500  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:06:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109446.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 22:53  
 Operator : YP/AJ  
 Sample : AR1254ICC250  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1254ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:06:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.697 | 3.693 | 249.9E6 | 133.4E6  | 25.383  | 25.591  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 224.7E6 | 82751432 | 26.343  | 26.933  |
|                             |       |       |         |          |         |         |
| Target Compounds            |       |       |         |          |         |         |
| 26) L6 AR-1254-1            | 5.600 | 5.578 | 137.1E6 | 70215336 | 266.626 | 269.112 |
| 27) L6 AR-1254-2            | 5.749 | 5.726 | 120.3E6 | 62303614 | 266.469 | 270.086 |
| 28) L6 AR-1254-3            | 6.155 | 6.129 | 190.2E6 | 94726512 | 262.120 | 262.436 |
| 29) L6 AR-1254-4            | 6.385 | 6.357 | 115.3E6 | 53701999 | 269.019 | 268.851 |
| 30) L6 AR-1254-5            | 6.805 | 6.775 | 166.0E6 | 78525114 | 262.748 | 264.951 |
| -----                       |       |       |         |          |         |         |

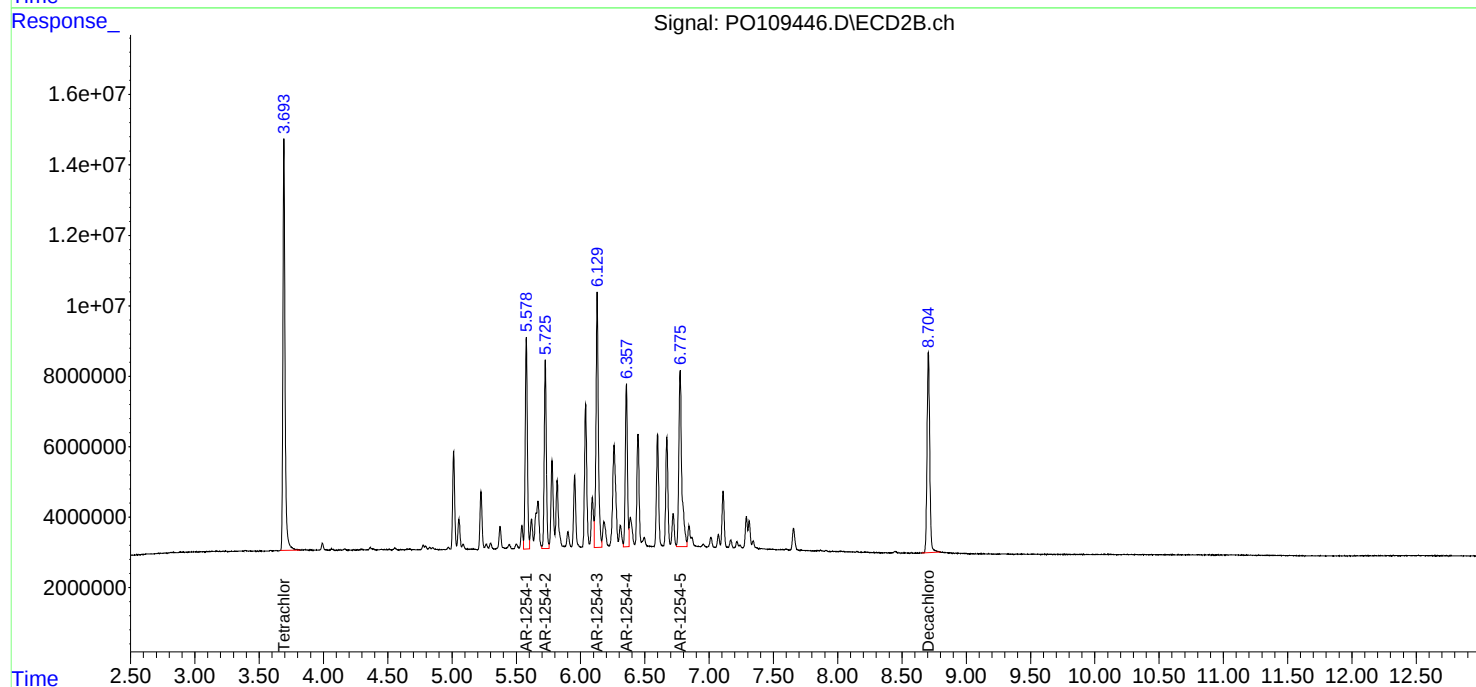
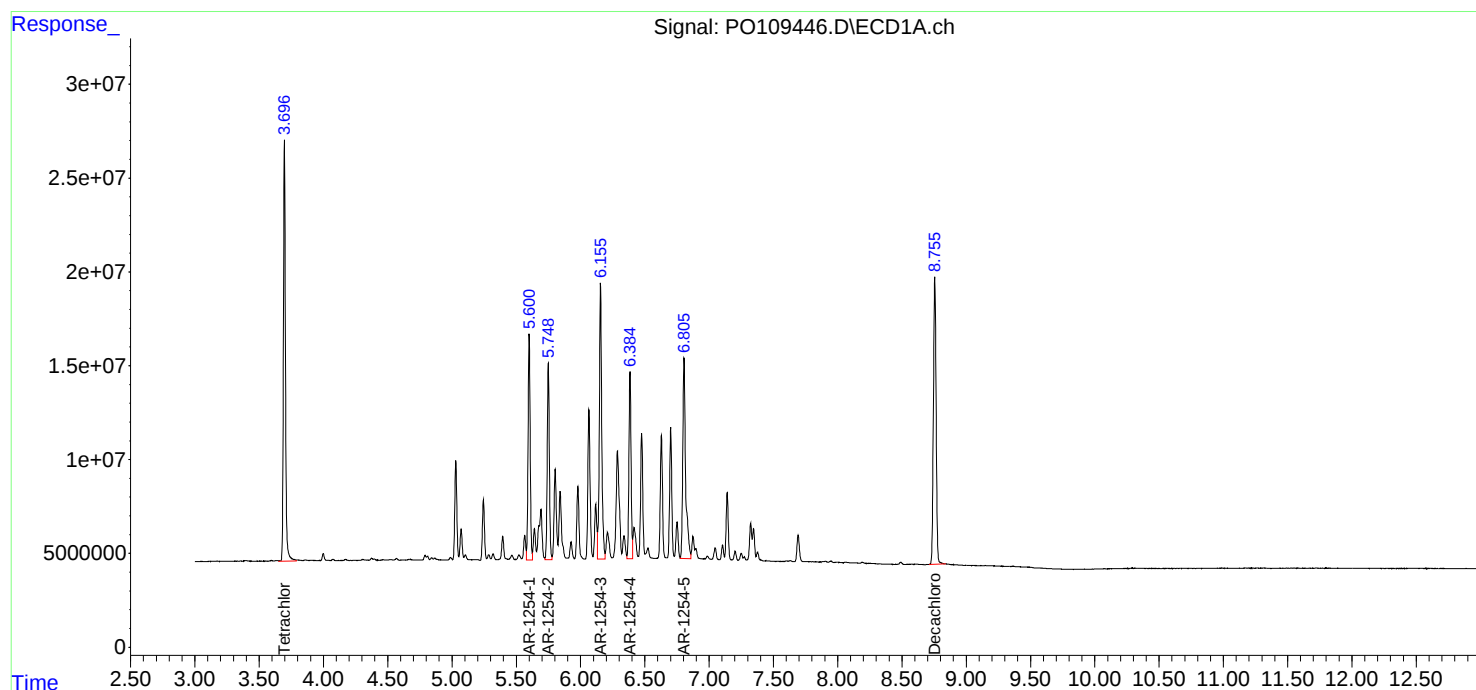
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109446.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 22:53  
Operator : YP/AJ  
Sample : AR1254ICC250  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:06:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109447.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 23:12  
 Operator : YP/AJ  
 Sample : AR1254ICC050  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1254ICC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
 Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:06:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.696 | 3.693 | 42478021 | 22408254 | 4.315m  | 4.297   |
| 2) SA Decachlor...          | 8.755 | 8.706 | 43911860 | 16400189 | 5.149   | 5.338   |
| Target Compounds            |       |       |          |          |         |         |
| 26) L6 AR-1254-1            | 5.601 | 5.578 | 27168777 | 13670107 | 52.828m | 52.393m |
| 27) L6 AR-1254-2            | 5.749 | 5.726 | 23620321 | 13084376 | 52.317m | 56.721m |
| 28) L6 AR-1254-3            | 6.156 | 6.128 | 35558931 | 17874982 | 49.004m | 49.522m |
| 29) L6 AR-1254-4            | 6.384 | 6.355 | 18803102 | 8443949  | 43.856m | 42.273m |
| 30) L6 AR-1254-5            | 6.806 | 6.774 | 30890950 | 15538233 | 48.907  | 52.427  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109447.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 23:12  
Operator : YP/AJ  
Sample : AR1254ICC050  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

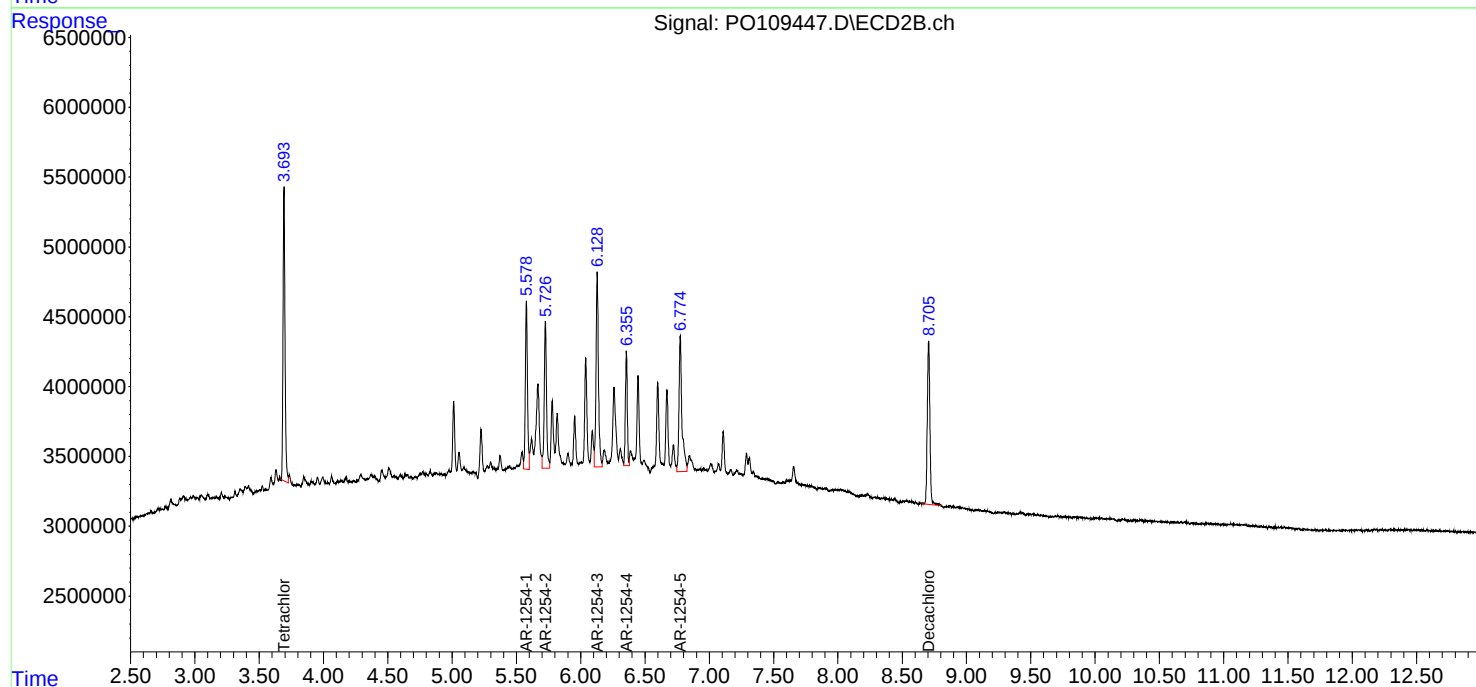
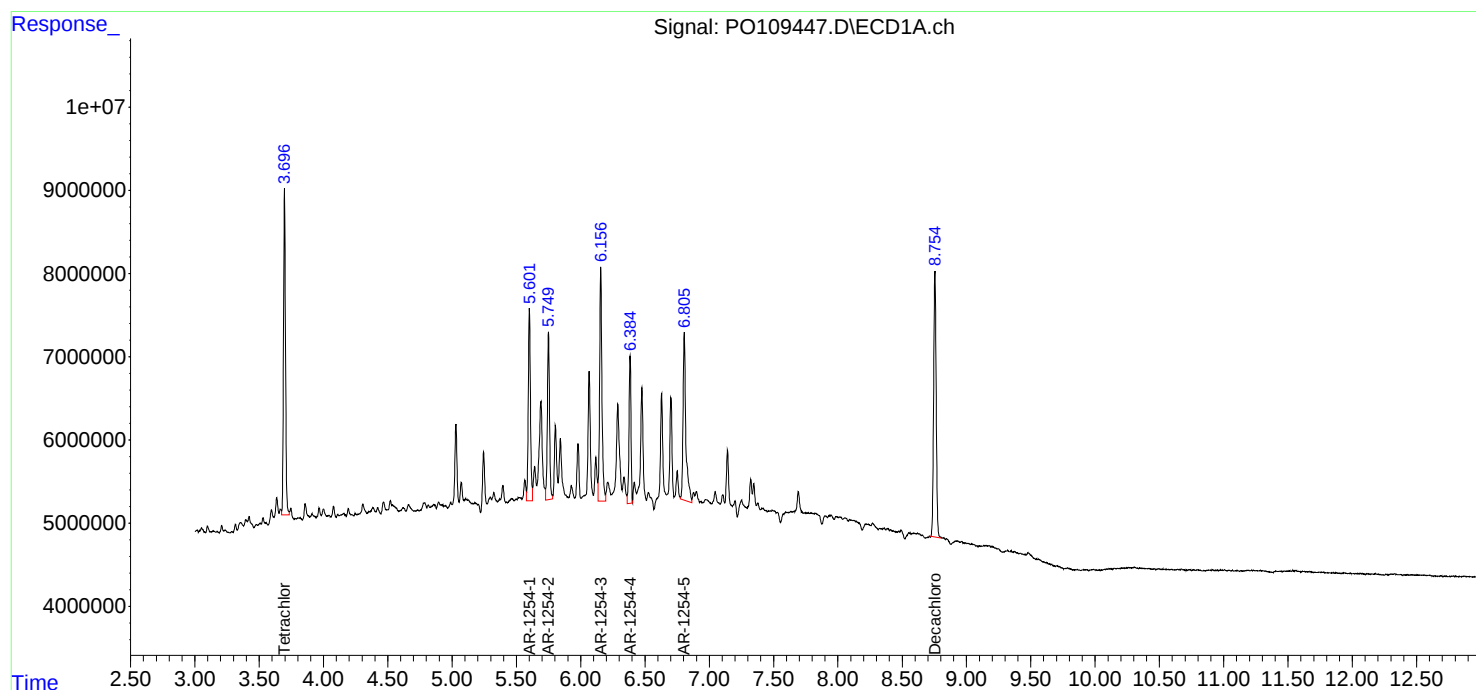
Instrument :  
ECD\_O  
ClientSampleId :  
AR1254ICC050

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/21/2025  
Supervised By :Ankita Jodhani 02/21/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:06:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109448.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 23:30  
 Operator : YP/AJ  
 Sample : AR1262ICC500  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1262ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:11:40 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:05:24 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 478.0E6 | 256.6E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.754 | 8.705 | 414.0E6 | 151.0E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |         |          |         |         |
| 36) L8 AR-1262-1            | 6.845 | 6.814 | 332.9E6 | 158.6E6  | 500.000 | 500.000 |
| 37) L8 AR-1262-2            | 7.346 | 7.313 | 564.9E6 | 249.3E6  | 500.000 | 500.000 |
| 38) L8 AR-1262-3            | 7.632 | 7.597 | 224.1E6 | 98127525 | 500.000 | 500.000 |
| 39) L8 AR-1262-4            | 7.696 | 7.661 | 414.6E6 | 177.4E6  | 500.000 | 500.000 |
| 40) L8 AR-1262-5            | 8.193 | 8.154 | 186.7E6 | 71568799 | 500.000 | 500.000 |
| -----                       |       |       |         |          |         |         |

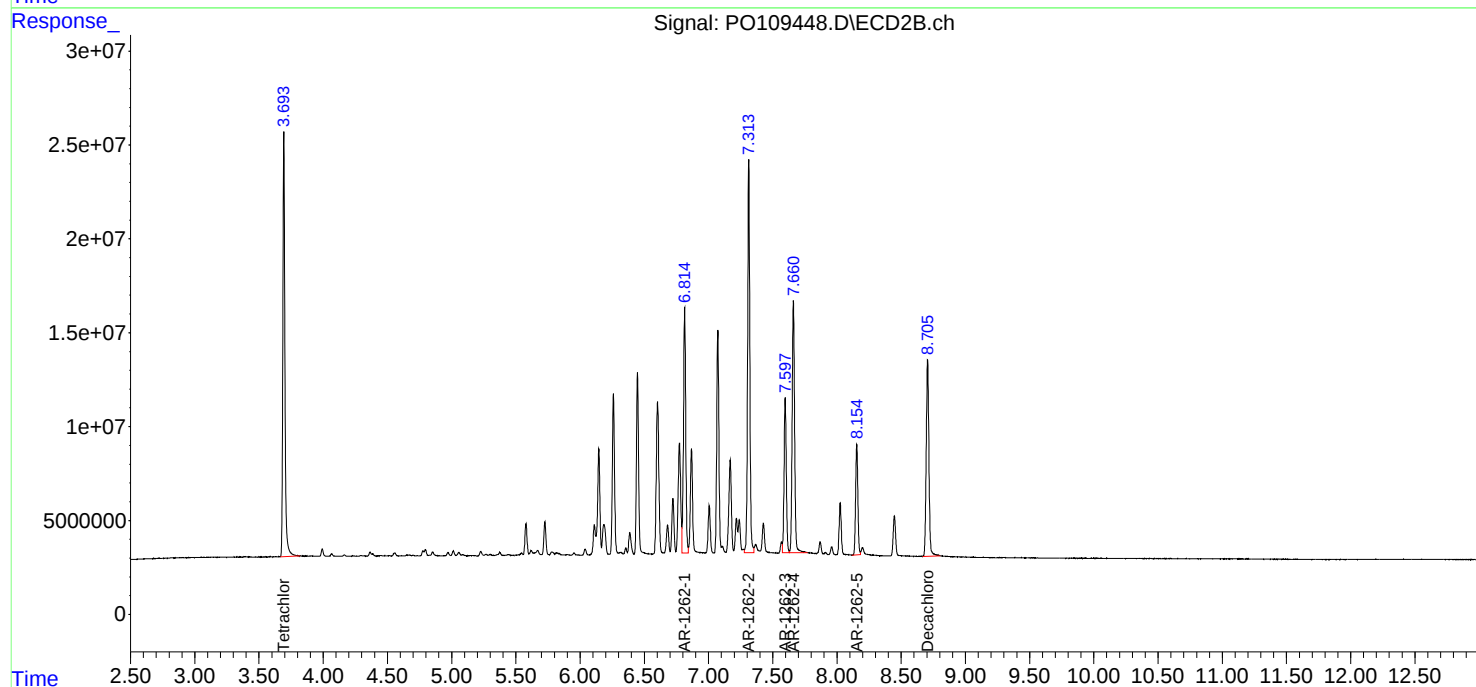
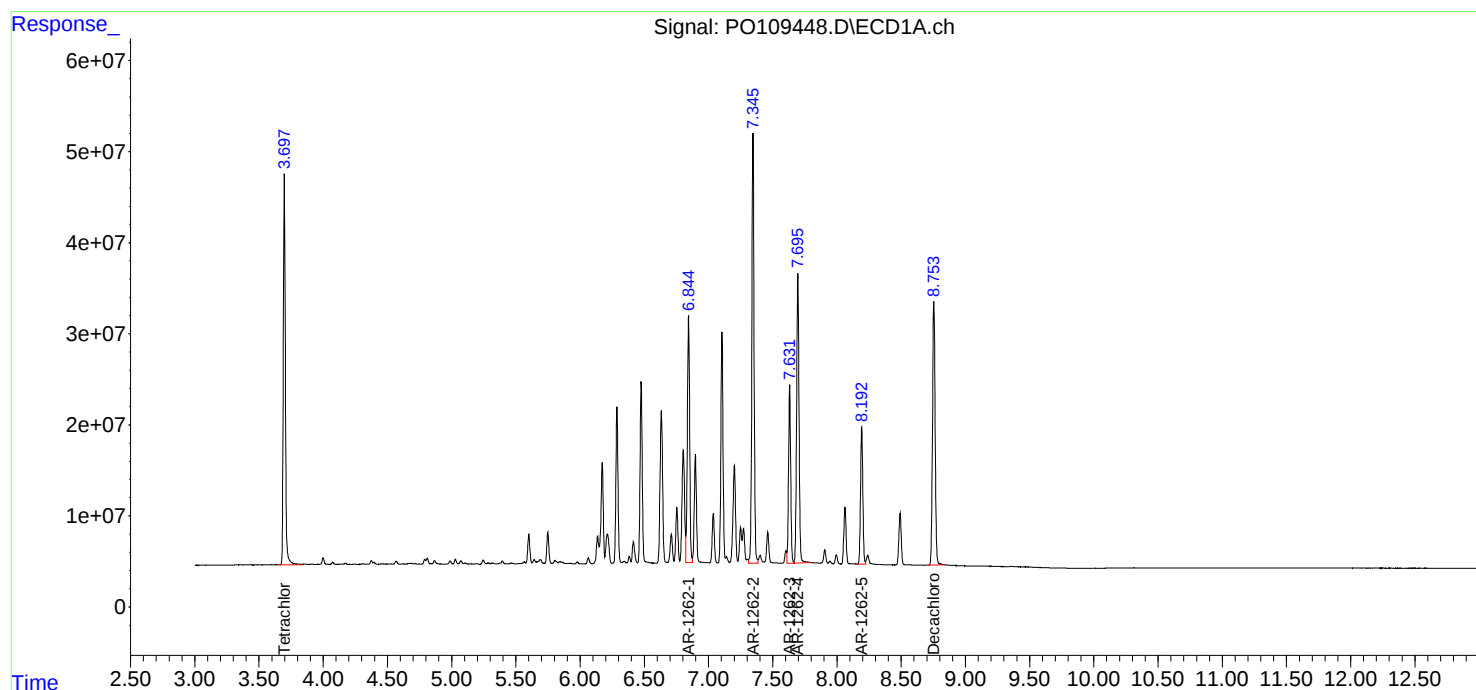
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109448.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 23:30  
Operator : YP/AJ  
Sample : AR1262ICC500  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1262ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:11:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:05:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : 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\_O\Data\P0022025\  
 Data File : P0109449.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 23:48  
 Operator : YP/AJ  
 Sample : AR1268ICC1000  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1268ICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:17:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|----------|----------|----------|
| -----                       |       |       |          |          |          |          |
| System Monitoring Compounds |       |       |          |          |          |          |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 965.3E6  | 526.7E6  | 96.981   | 98.845   |
| 2) SA Decachlor...          | 8.755 | 8.706 | 1414.8E6 | 495.1E6  | 97.758   | 96.622   |
| Target Compounds            |       |       |          |          |          |          |
| 41) L9 AR-1268-1            | 7.633 | 7.597 | 1298.9E6 | 554.1E6  | 985.386  | 982.199  |
| 42) L9 AR-1268-2            | 7.697 | 7.662 | 1196.3E6 | 512.6E6  | 990.433  | 984.000  |
| 43) L9 AR-1268-3            | 7.906 | 7.869 | 1000.4E6 | 413.6E6  | 987.744  | 983.635  |
| 44) L9 AR-1268-4            | 8.193 | 8.153 | 407.5E6  | 153.7E6  | 969.568  | 942.671  |
| 45) L9 AR-1268-5            | 8.493 | 8.447 | 3060.4E6 | 1087.2E6 | 1007.828 | 1001.290 |
| -----                       |       |       |          |          |          |          |

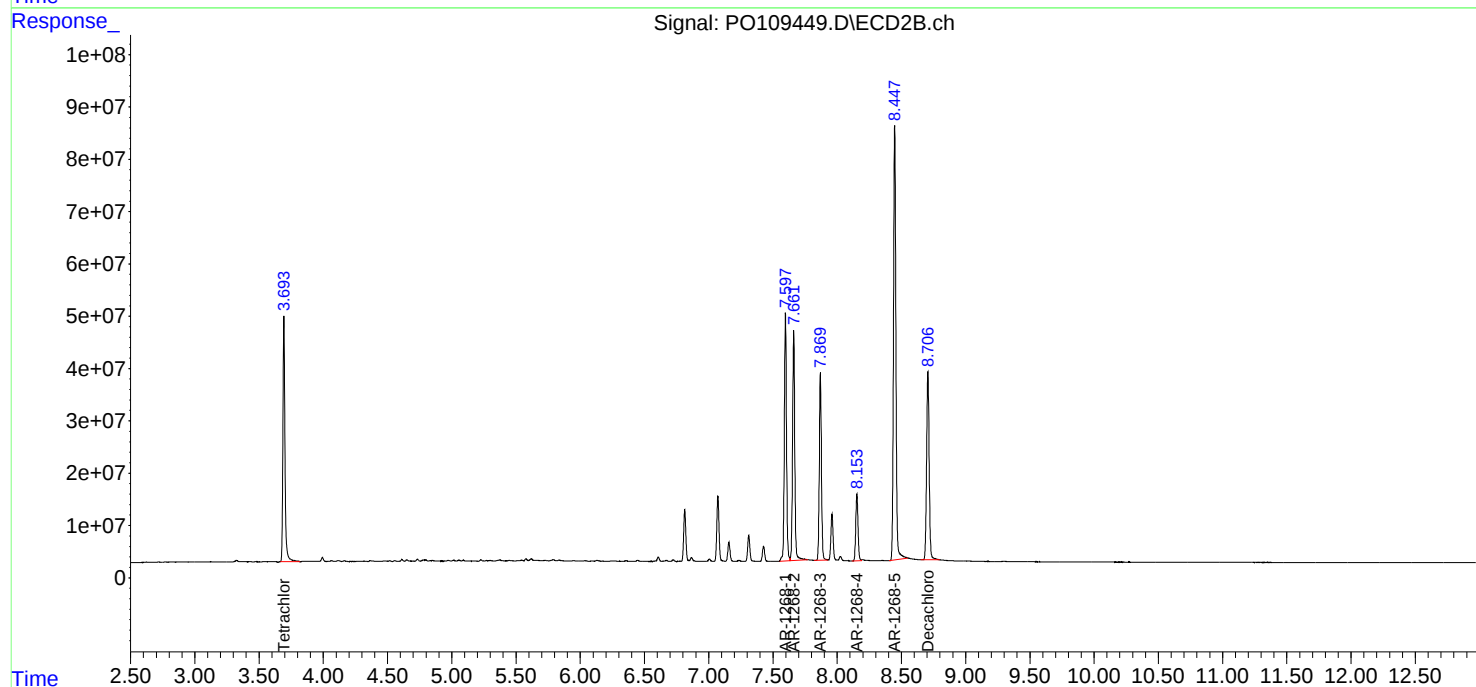
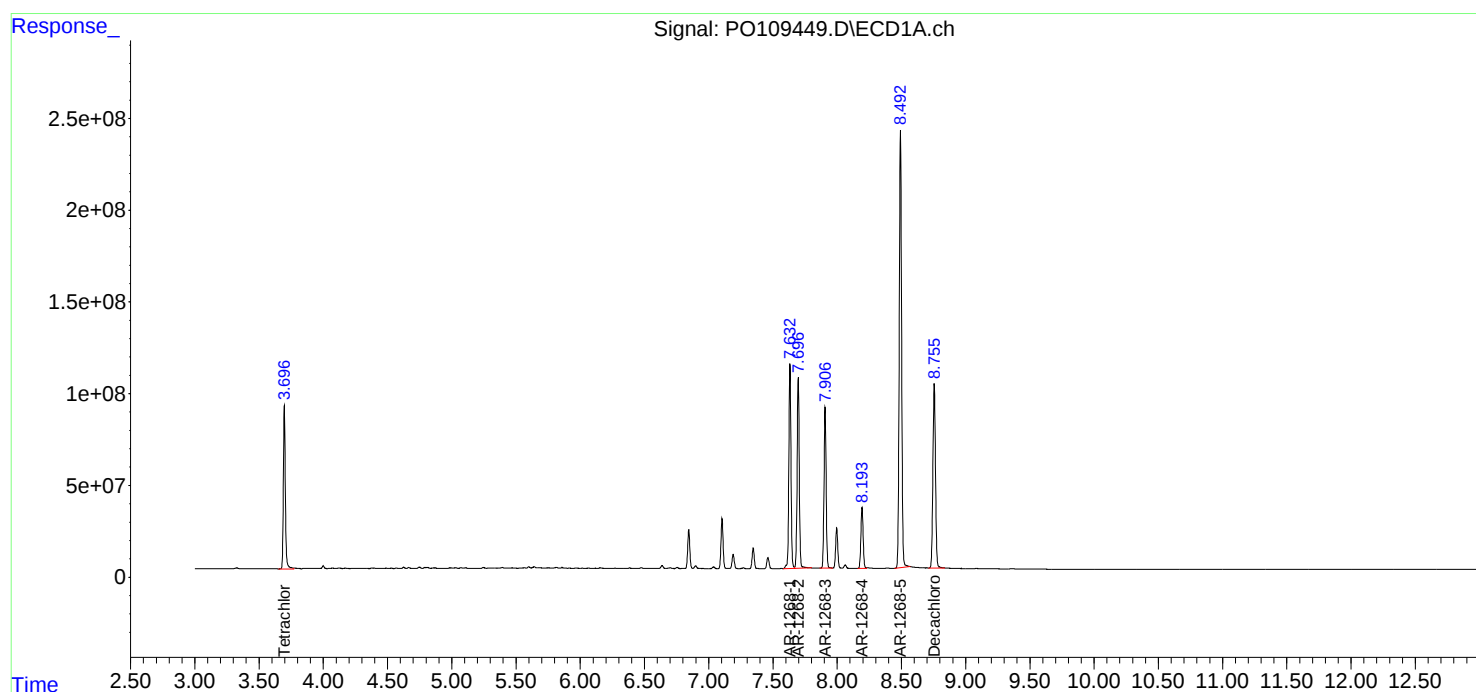
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
Data File : P0109449.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 23:48  
Operator : YP/AJ  
Sample : AR1268ICC1000  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:17:11 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109450.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 00:07  
 Operator : YP/AJ  
 Sample : AR1268ICC750  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1268ICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:17:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 735.0E6  | 395.3E6 | 73.842  | 74.195  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 1059.4E6 | 373.0E6 | 73.204  | 72.789  |
|                             |       |       |          |         |         |         |
| Target Compounds            |       |       |          |         |         |         |
| 41) L9 AR-1268-1            | 7.632 | 7.597 | 970.5E6  | 415.4E6 | 736.275 | 736.222 |
| 42) L9 AR-1268-2            | 7.697 | 7.661 | 892.1E6  | 383.3E6 | 738.582 | 735.790 |
| 43) L9 AR-1268-3            | 7.905 | 7.870 | 749.2E6  | 309.4E6 | 739.726 | 735.808 |
| 44) L9 AR-1268-4            | 8.193 | 8.153 | 306.7E6  | 116.3E6 | 729.785 | 712.986 |
| 45) L9 AR-1268-5            | 8.492 | 8.447 | 2260.0E6 | 808.5E6 | 744.267 | 744.582 |
| -----                       |       |       |          |         |         |         |

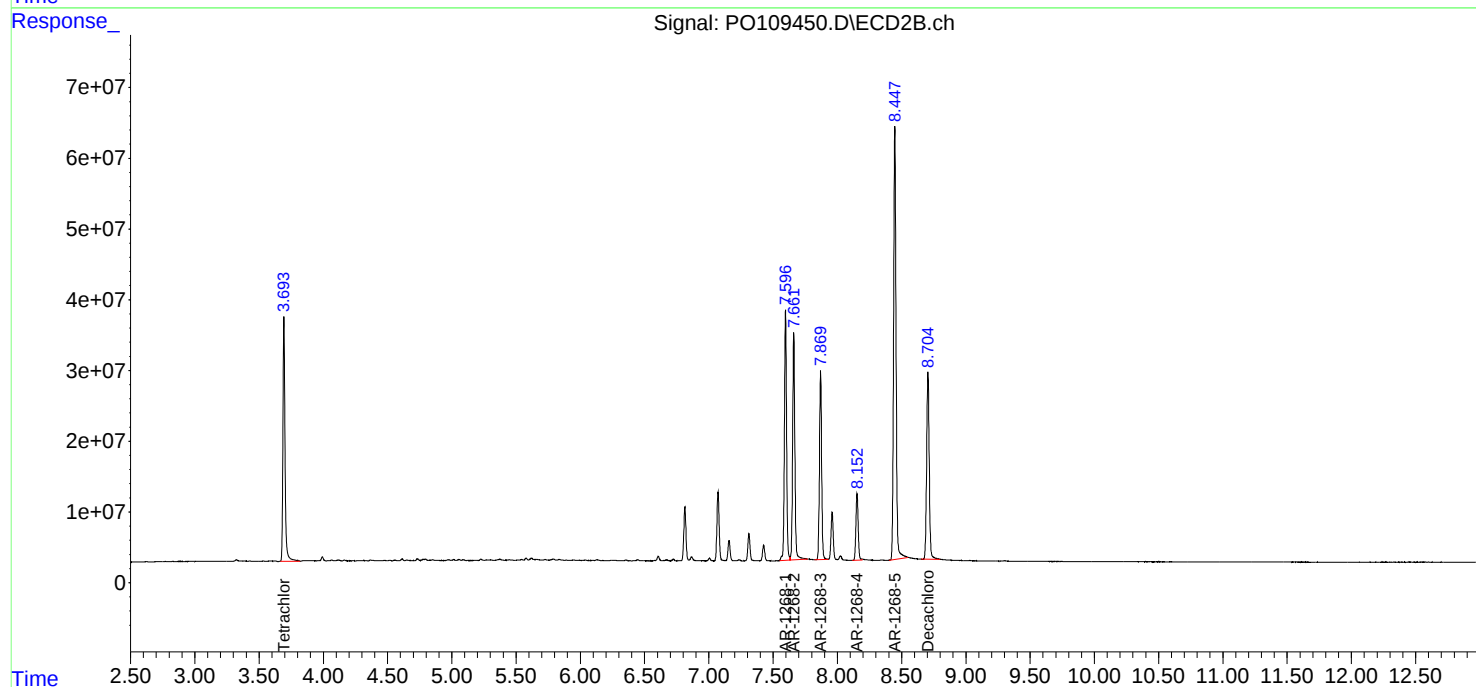
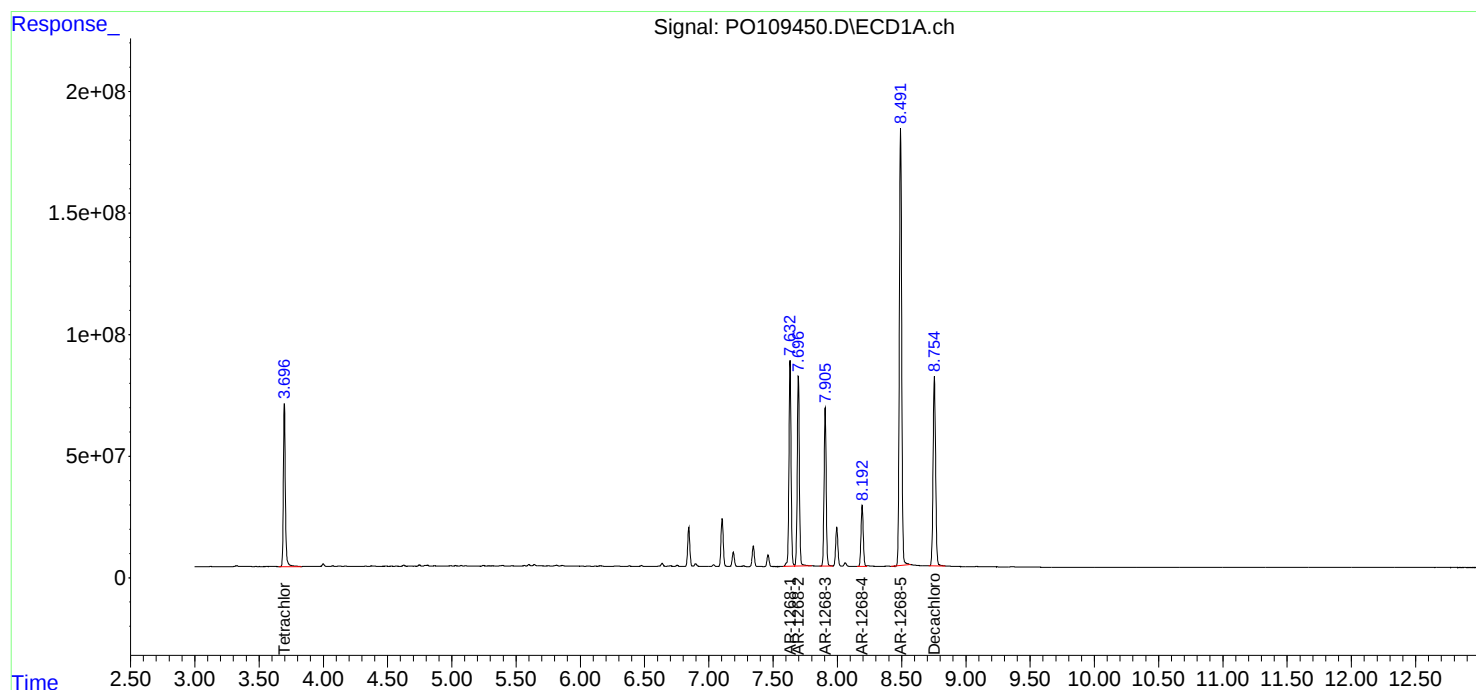
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
Data File : P0109450.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 00:07  
Operator : YP/AJ  
Sample : AR1268ICC750  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:17:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109451.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 00:25  
 Operator : YP/AJ  
 Sample : AR1268ICC500  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1268ICC500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:17:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 497.7E6  | 266.4E6  | 50.000  | 50.000  |
| 2) SA Decachlor...          | 8.754 | 8.705 | 723.6E6  | 256.2E6  | 50.000  | 50.000  |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.632 | 7.597 | 659.1E6  | 282.1E6  | 500.000 | 500.000 |
| 42) L9 AR-1268-2            | 7.696 | 7.662 | 603.9E6  | 260.5E6  | 500.000 | 500.000 |
| 43) L9 AR-1268-3            | 7.905 | 7.870 | 506.4E6  | 210.3E6  | 500.000 | 500.000 |
| 44) L9 AR-1268-4            | 8.193 | 8.154 | 210.1E6  | 81539410 | 500.000 | 500.000 |
| 45) L9 AR-1268-5            | 8.492 | 8.448 | 1518.3E6 | 542.9E6  | 500.000 | 500.000 |
| -----                       |       |       |          |          |         |         |

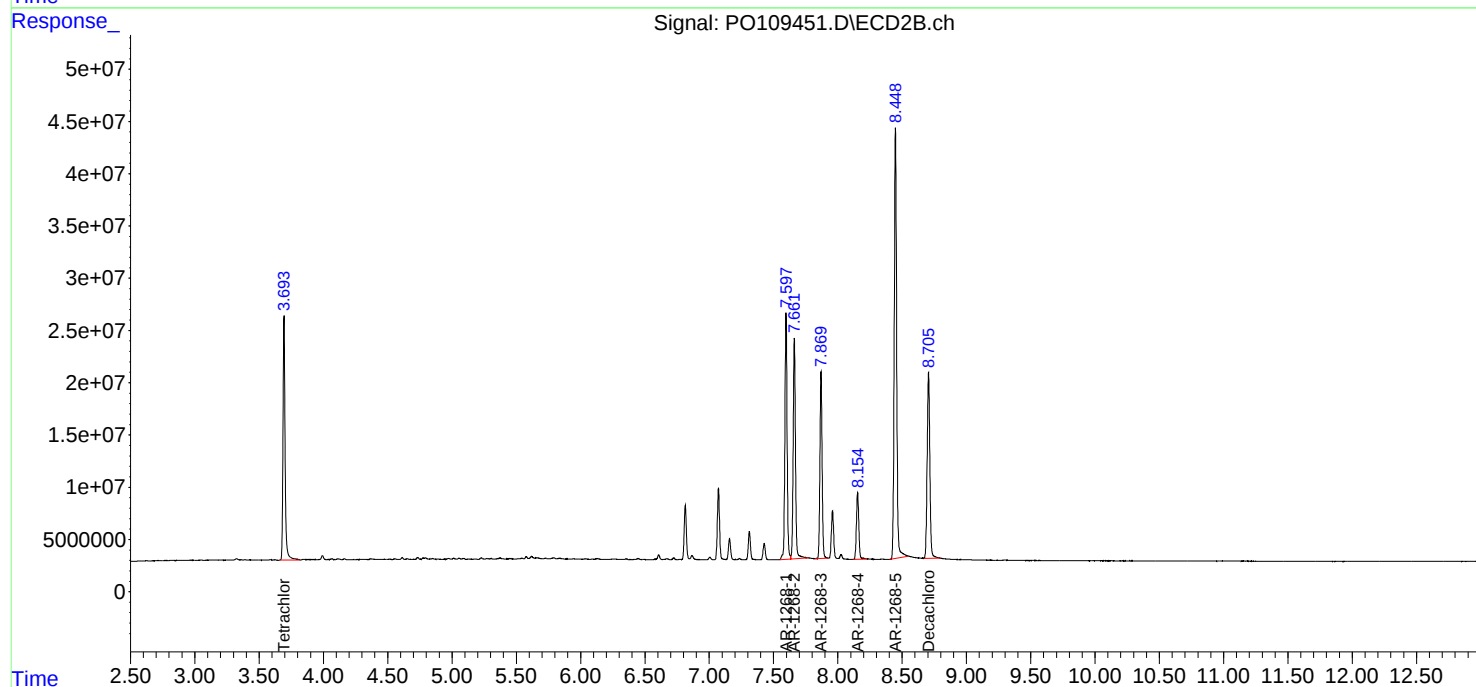
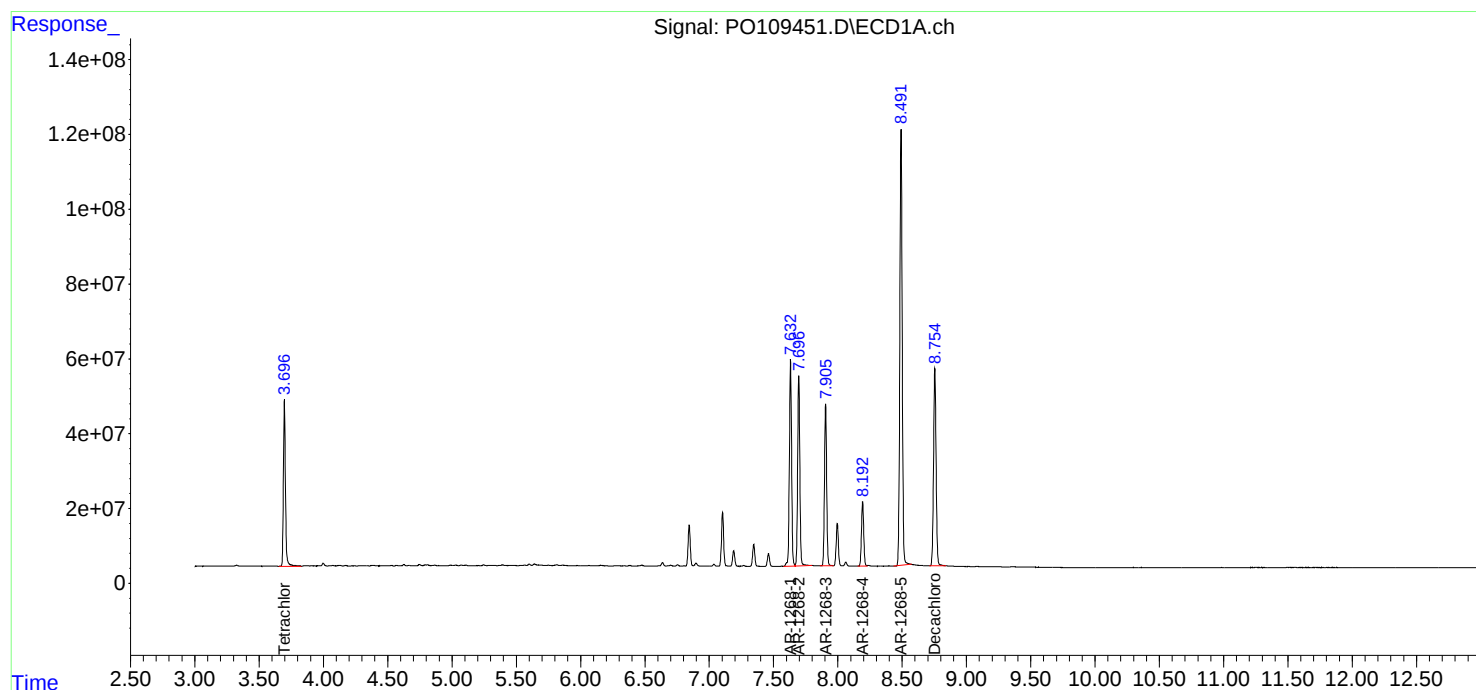
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
Data File : P0109451.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 00:25  
Operator : YP/AJ  
Sample : AR1268ICC500  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:17:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109452.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 00:43  
 Operator : YP/AJ  
 Sample : AR1268ICC250  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1268ICC250

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:17:49 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 259.0E6 | 137.7E6  | 26.023  | 25.841  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 379.5E6 | 135.8E6  | 26.223  | 26.497  |
| Target Compounds            |       |       |         |          |         |         |
| 41) L9 AR-1268-1            | 7.632 | 7.597 | 341.4E6 | 147.8E6  | 259.019 | 261.921 |
| 42) L9 AR-1268-2            | 7.697 | 7.661 | 311.6E6 | 135.9E6  | 258.003 | 260.784 |
| 43) L9 AR-1268-3            | 7.905 | 7.869 | 262.4E6 | 110.6E6  | 259.092 | 263.118 |
| 44) L9 AR-1268-4            | 8.193 | 8.153 | 110.5E6 | 42415364 | 262.992 | 260.091 |
| 45) L9 AR-1268-5            | 8.492 | 8.447 | 768.8E6 | 280.3E6  | 253.190 | 258.141 |
| -----                       |       |       |         |          |         |         |

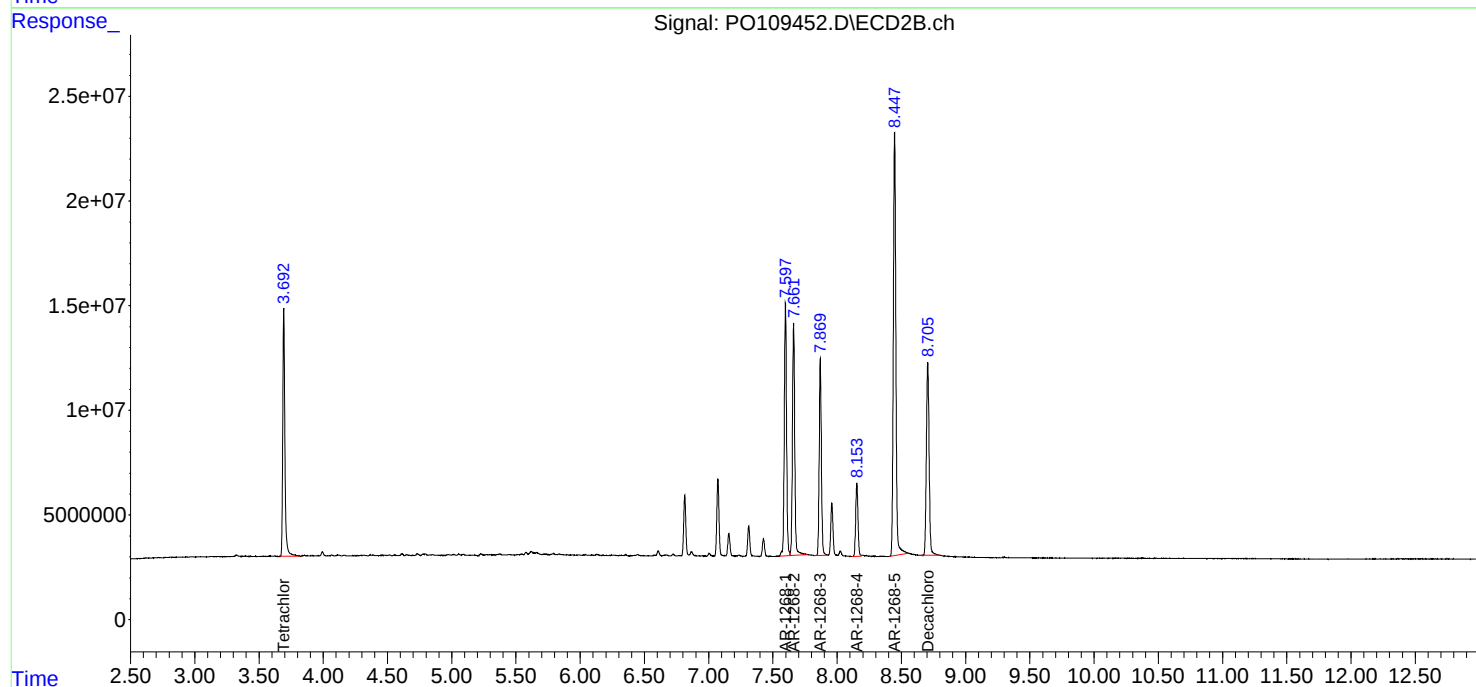
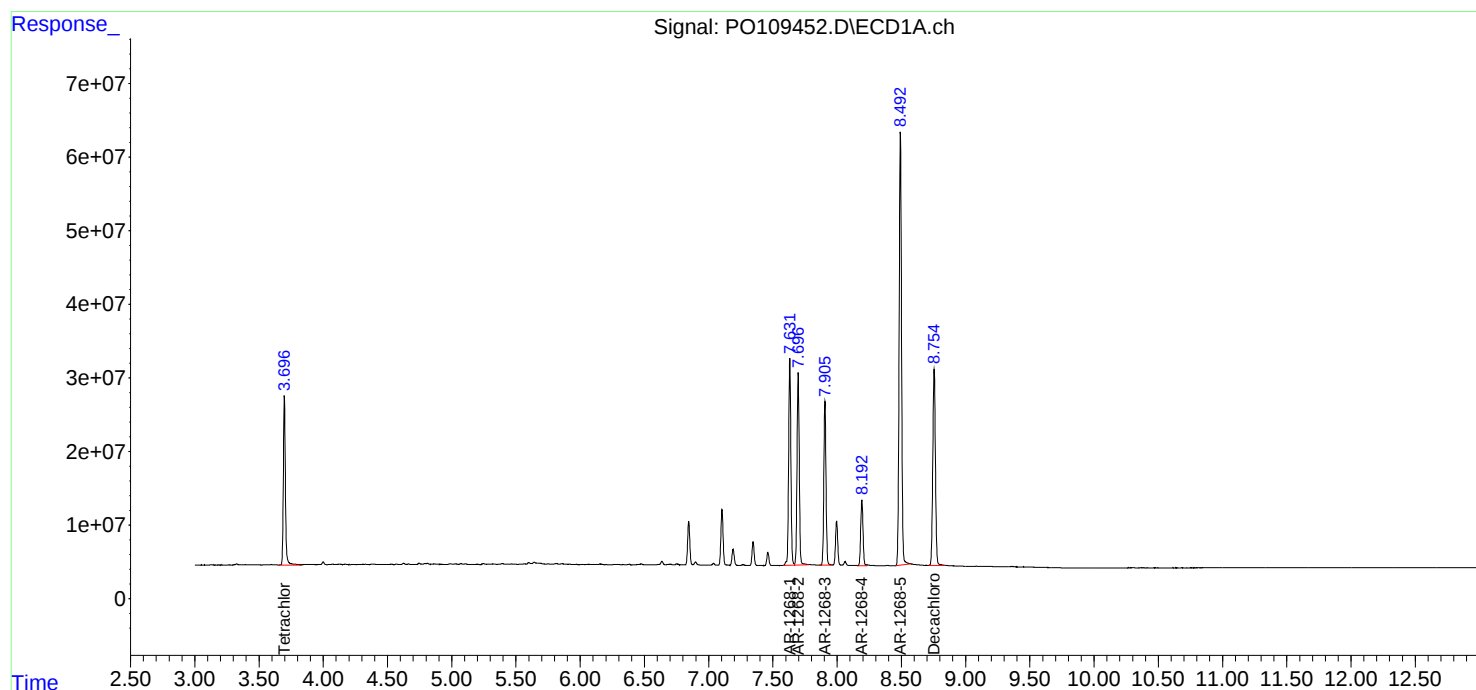
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109452.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 00:43  
Operator : YP/AJ  
Sample : AR1268ICC250  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC250

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:17:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109453.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 01:02  
 Operator : YP/AJ  
 Sample : AR1268ICC050  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1268ICC050

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:18:03 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|----------|----------|--------|--------|
| -----                       |       |       |          |          |        |        |
| System Monitoring Compounds |       |       |          |          |        |        |
| 1) SA Tetrachlo...          | 3.696 | 3.692 | 48540301 | 25644875 | 4.877  | 4.813  |
| 2) SA Decachlor...          | 8.754 | 8.704 | 77206427 | 27914892 | 5.335  | 5.448  |
|                             |       |       |          |          |        |        |
| Target Compounds            |       |       |          |          |        |        |
| 41) L9 AR-1268-1            | 7.632 | 7.596 | 67221395 | 29693417 | 50.998 | 52.632 |
| 42) L9 AR-1268-2            | 7.696 | 7.660 | 60264035 | 26832787 | 49.892 | 51.507 |
| 43) L9 AR-1268-3            | 7.905 | 7.869 | 51454508 | 22544472 | 50.804 | 53.610 |
| 44) L9 AR-1268-4            | 8.191 | 8.153 | 22268868 | 8258744  | 52.983 | 50.643 |
| 45) L9 AR-1268-5            | 8.492 | 8.447 | 145.6E6  | 54675030 | 47.957 | 50.353 |
| -----                       |       |       |          |          |        |        |

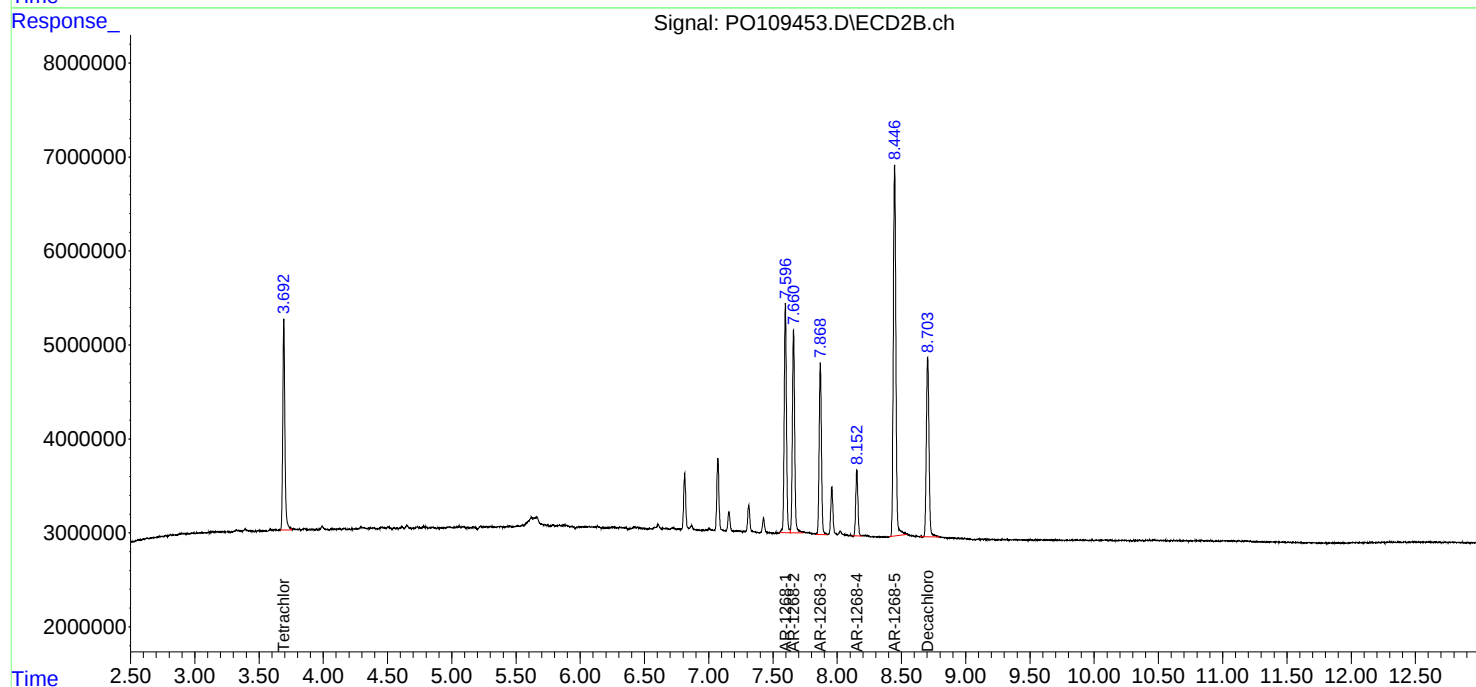
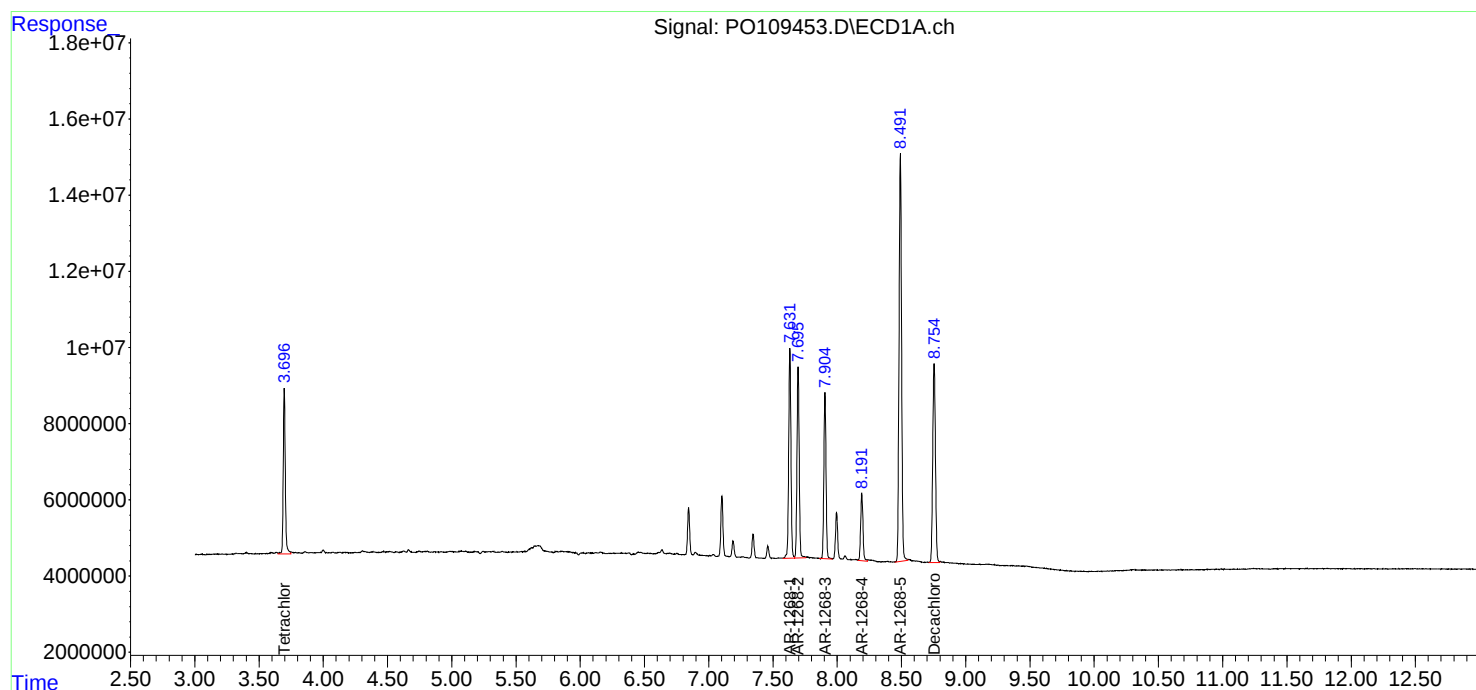
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109453.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 01:02  
Operator : YP/AJ  
Sample : AR1268ICC050  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
AR1268ICC050

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:18:03 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109454.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 01:20  
 Operator : YP/AJ  
 Sample : P0022025ICV500  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO022025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:02:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:00:32 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.696 | 3.693 | 485.4E6 | 269.8E6  | 51.590  | 51.681  |
| 2) SA Decachlor...          | 8.754 | 8.704 | 443.6E6 | 158.9E6  | 51.926  | 50.342  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.791 | 4.776 | 157.1E6 | 78402892 | 520.861 | 515.700 |
| 4) L1 AR-1016-2             | 4.810 | 4.796 | 215.0E6 | 109.8E6  | 518.628 | 514.474 |
| 5) L1 AR-1016-3             | 4.866 | 4.971 | 152.4E6 | 60872209 | 526.733 | 519.332 |
| 6) L1 AR-1016-4             | 4.987 | 5.013 | 119.0E6 | 52752395 | 526.672 | 521.449 |
| 7) L1 AR-1016-5             | 5.245 | 5.226 | 131.1E6 | 68386607 | 519.681 | 515.565 |
| 31) L7 AR-1260-1            | 6.286 | 6.260 | 235.3E6 | 118.3E6  | 513.812 | 508.238 |
| 32) L7 AR-1260-2            | 6.475 | 6.447 | 286.8E6 | 137.4E6  | 521.487 | 511.120 |
| 33) L7 AR-1260-3            | 6.844 | 6.600 | 241.2E6 | 127.7E6  | 520.450 | 510.981 |
| 34) L7 AR-1260-4            | 7.105 | 7.072 | 220.8E6 | 103.3E6  | 518.189 | 510.781 |
| 35) L7 AR-1260-5            | 7.346 | 7.312 | 513.3E6 | 224.9E6  | 512.587 | 506.808 |
| -----                       |       |       |         |          |         |         |

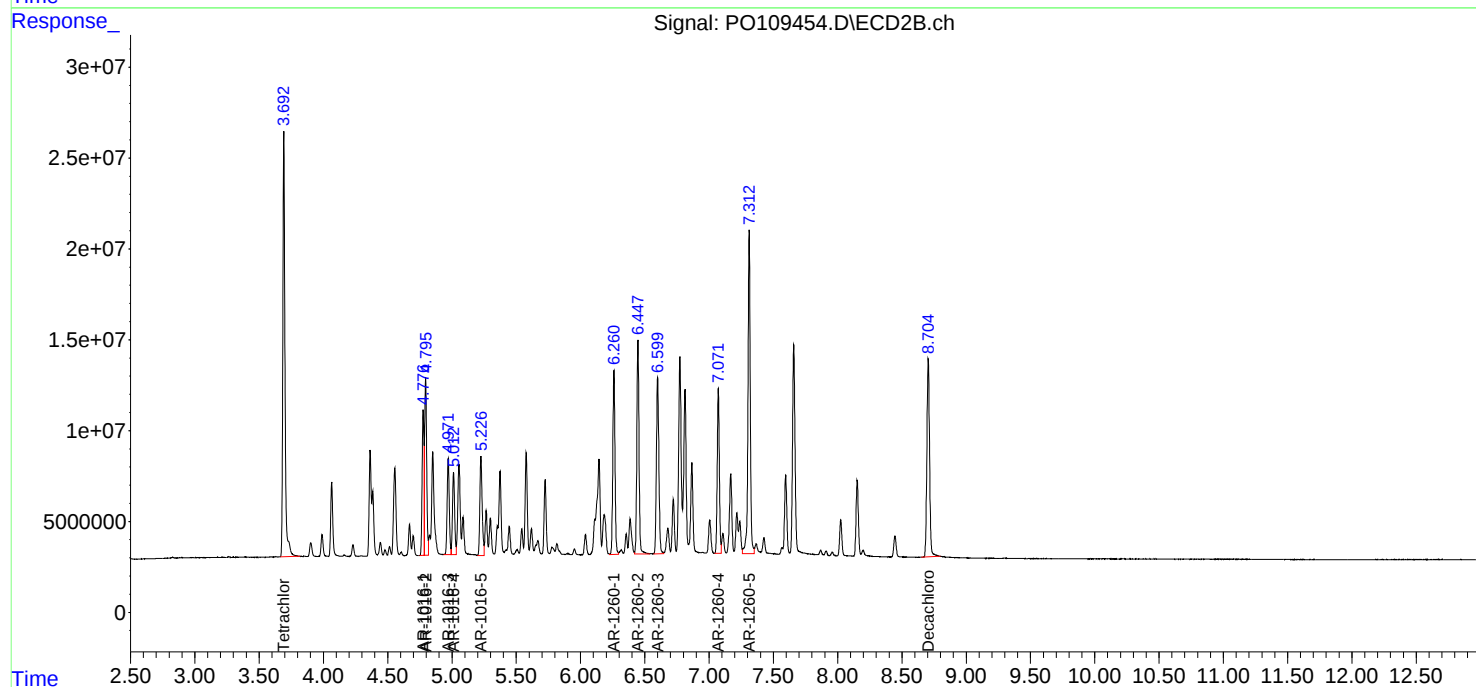
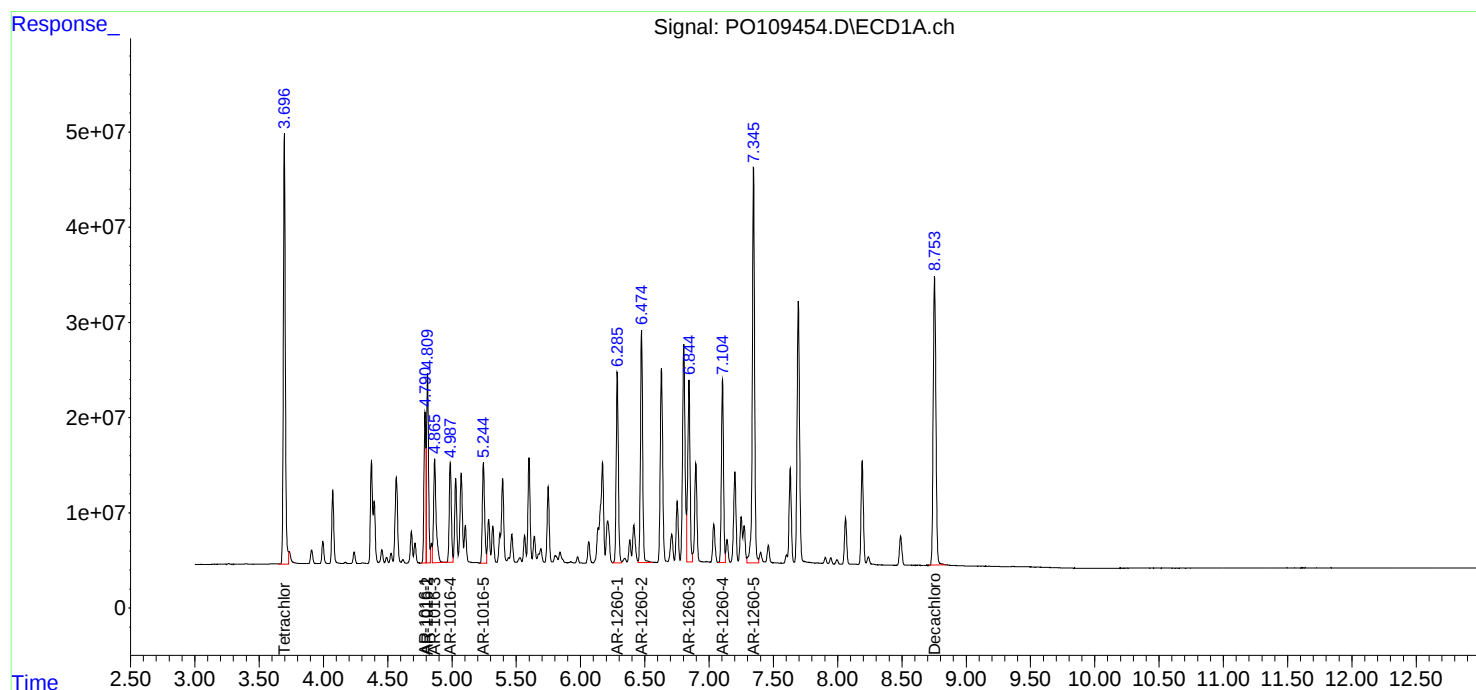
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109454.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 01:20  
Operator : YP/AJ  
Sample : PO022025ICV500  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO022025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:02:47 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:00:32 2025  
Response via : 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\_O\Data\P0022025\  
 Data File : P0109455.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 01:38  
 Operator : YP/AJ  
 Sample : AR1242ICV500  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO022025AR1242

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:28:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:26:34 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.693 | 473.0E6 | 263.5E6  | 50.071  | 50.141  |
| 2) SA Decachlor...          | 8.756 | 8.704 | 420.7E6 | 151.7E6  | 51.323  | 50.236  |
| Target Compounds            |       |       |         |          |         |         |
| 16) L4 AR-1242-1            | 4.791 | 4.777 | 132.7E6 | 66474054 | 503.582 | 499.322 |
| 17) L4 AR-1242-2            | 4.810 | 4.795 | 181.5E6 | 92310140 | 503.998 | 503.693 |
| 18) L4 AR-1242-3            | 4.867 | 4.971 | 128.4E6 | 51844543 | 500.289 | 507.061 |
| 19) L4 AR-1242-4            | 4.987 | 5.055 | 100.9E6 | 54380483 | 503.770 | 504.509 |
| 20) L4 AR-1242-5            | 5.642 | 5.577 | 106.0E6 | 63476044 | 499.124 | 506.838 |
| -----                       |       |       |         |          |         |         |

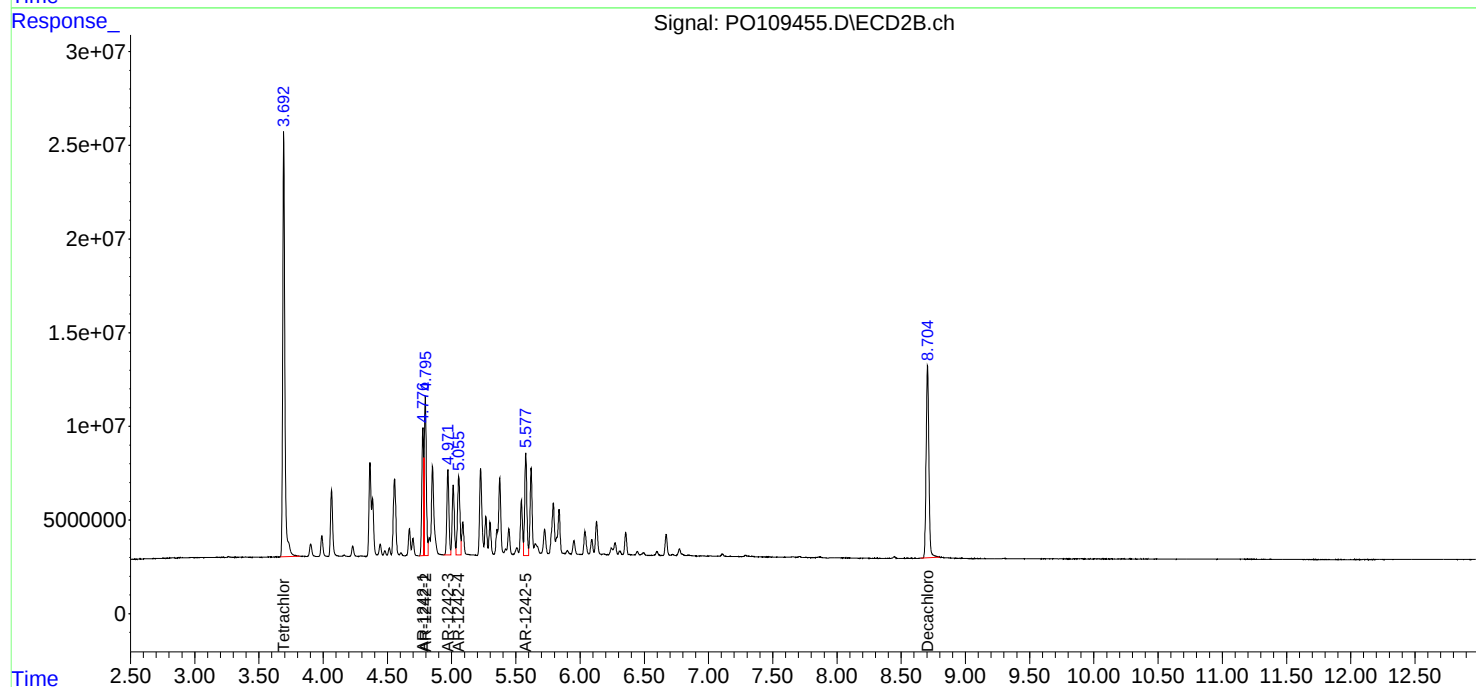
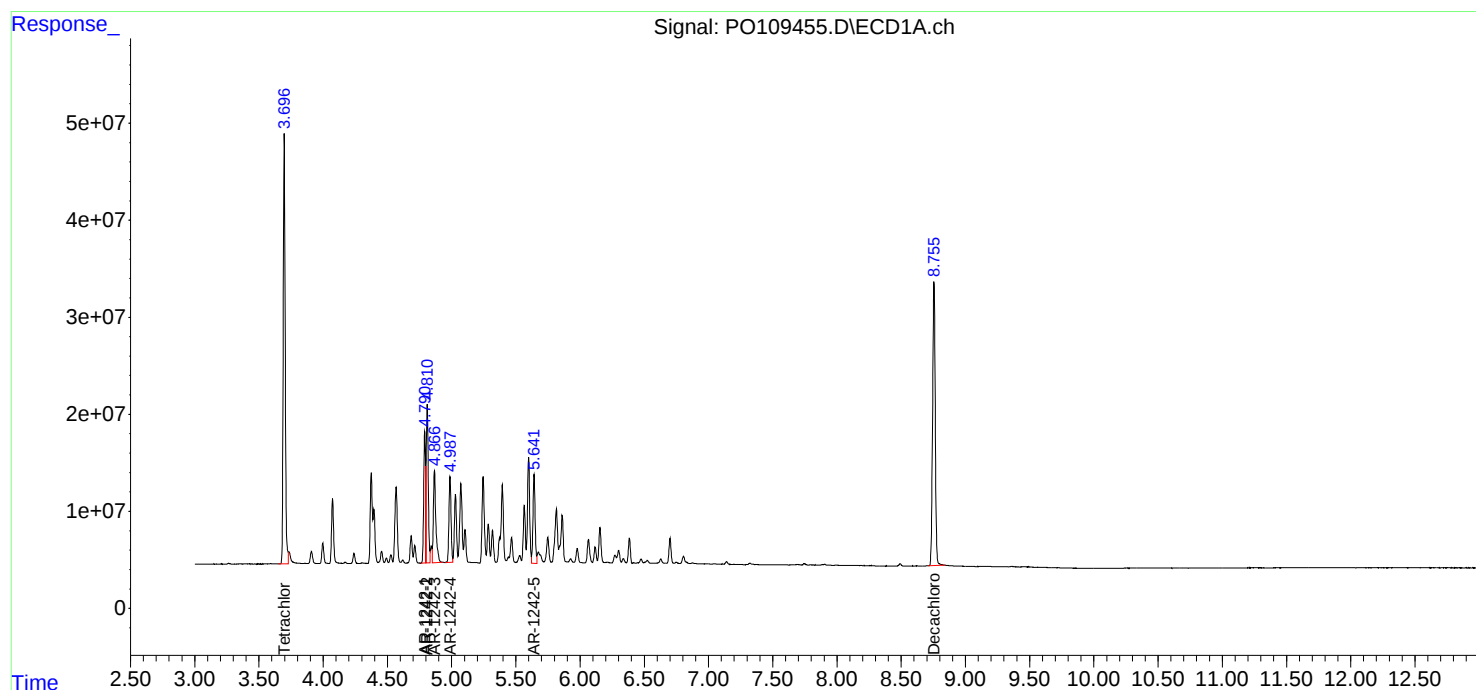
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109455.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 01:38  
Operator : YP/AJ  
Sample : AR1242ICV500  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO022025AR1242

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:28:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:26:34 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0022025\  
 Data File : P0109456.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 01:57  
 Operator : YP/AJ  
 Sample : AR1248ICV500  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO022025AR1248

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 02:49:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 02:44:39 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...          | 3.696 | 3.693 | 490.5E6 | 262.1E6  | 50.234  | 50.194  |
| 2) SA Decachlor...          | 8.754 | 8.704 | 425.3E6 | 152.0E6  | 51.016  | 50.037  |
| Target Compounds            |       |       |         |          |         |         |
| 21) L5 AR-1248-1            | 4.790 | 4.776 | 100.9E6 | 50731291 | 502.457 | 503.449 |
| 22) L5 AR-1248-2            | 5.030 | 5.013 | 140.5E6 | 73502388 | 498.738 | 501.993 |
| 23) L5 AR-1248-3            | 5.244 | 5.056 | 174.2E6 | 78184021 | 503.235 | 502.140 |
| 24) L5 AR-1248-4            | 5.599 | 5.227 | 240.3E6 | 91183159 | 501.425 | 505.550 |
| 25) L5 AR-1248-5            | 5.641 | 5.619 | 167.5E6 | 84456599 | 496.149 | 498.047 |
| -----                       |       |       |         |          |         |         |

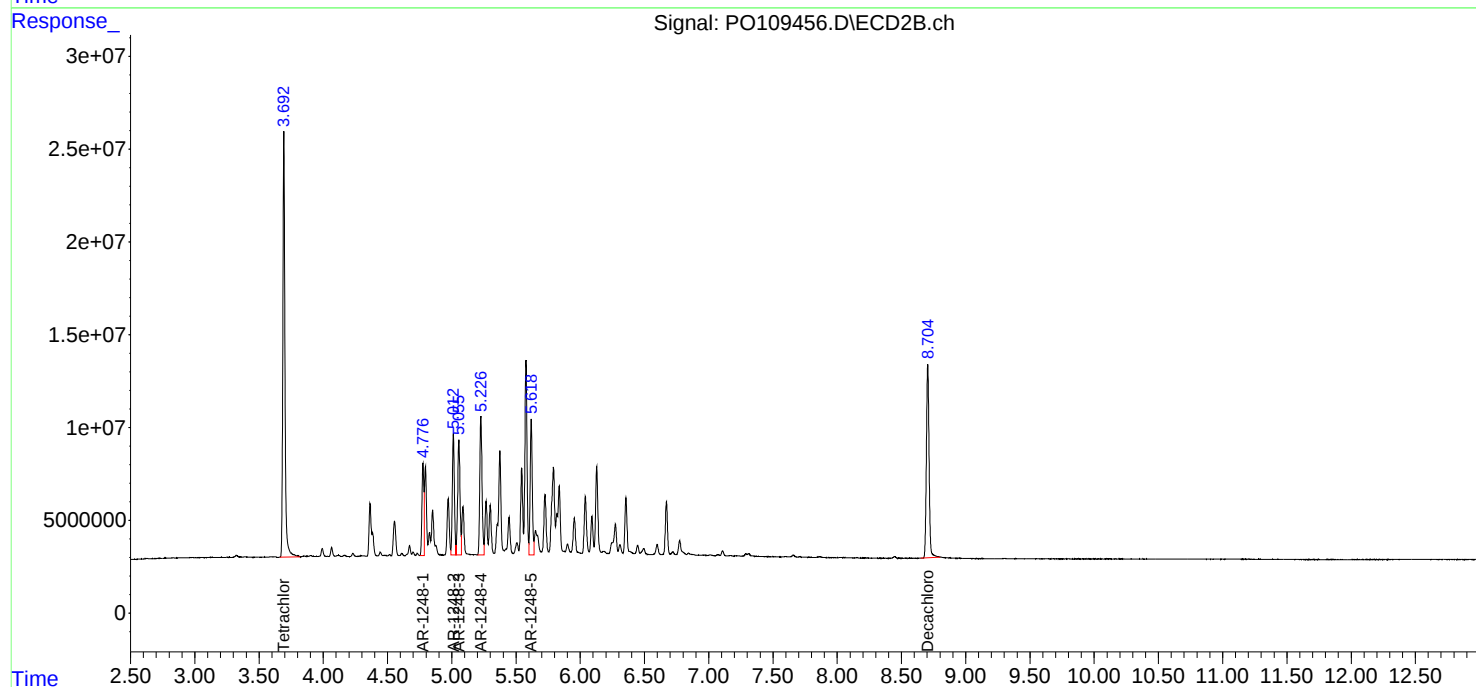
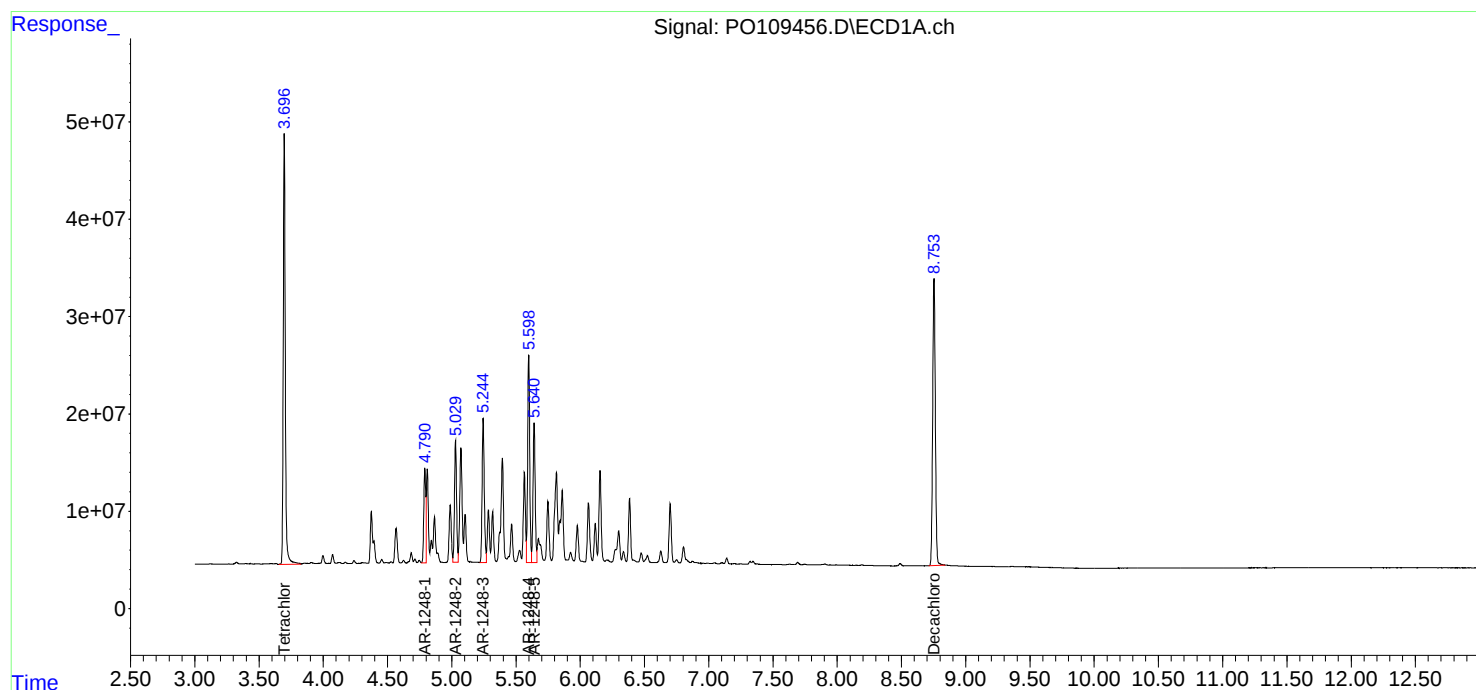
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109456.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 01:57  
Operator : YP/AJ  
Sample : AR1248ICV500  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO022025AR1248

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 02:49:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 02:44:39 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\_O\Data\P0022025\  
 Data File : P0109457.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 02:15  
 Operator : YP/AJ  
 Sample : AR1254ICV500  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO022025AR1254

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 03:06:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 03:04:52 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...          | 3.696 | 3.693 | 499.8E6 | 265.5E6 | 50.778  | 50.913  |
| 2) SA Decachlor...          | 8.755 | 8.705 | 431.6E6 | 154.0E6 | 50.609  | 50.133  |
| Target Compounds            |       |       |         |         |         |         |
| 26) L6 AR-1254-1            | 5.600 | 5.579 | 259.2E6 | 131.6E6 | 503.961 | 504.534 |
| 27) L6 AR-1254-2            | 5.749 | 5.727 | 227.8E6 | 116.8E6 | 504.590 | 506.344 |
| 28) L6 AR-1254-3            | 6.155 | 6.129 | 367.1E6 | 181.9E6 | 505.885 | 503.874 |
| 29) L6 AR-1254-4            | 6.385 | 6.356 | 217.7E6 | 101.2E6 | 507.824 | 506.393 |
| 30) L6 AR-1254-5            | 6.805 | 6.775 | 319.4E6 | 149.4E6 | 505.658 | 504.131 |
| -----                       |       |       |         |         |         |         |

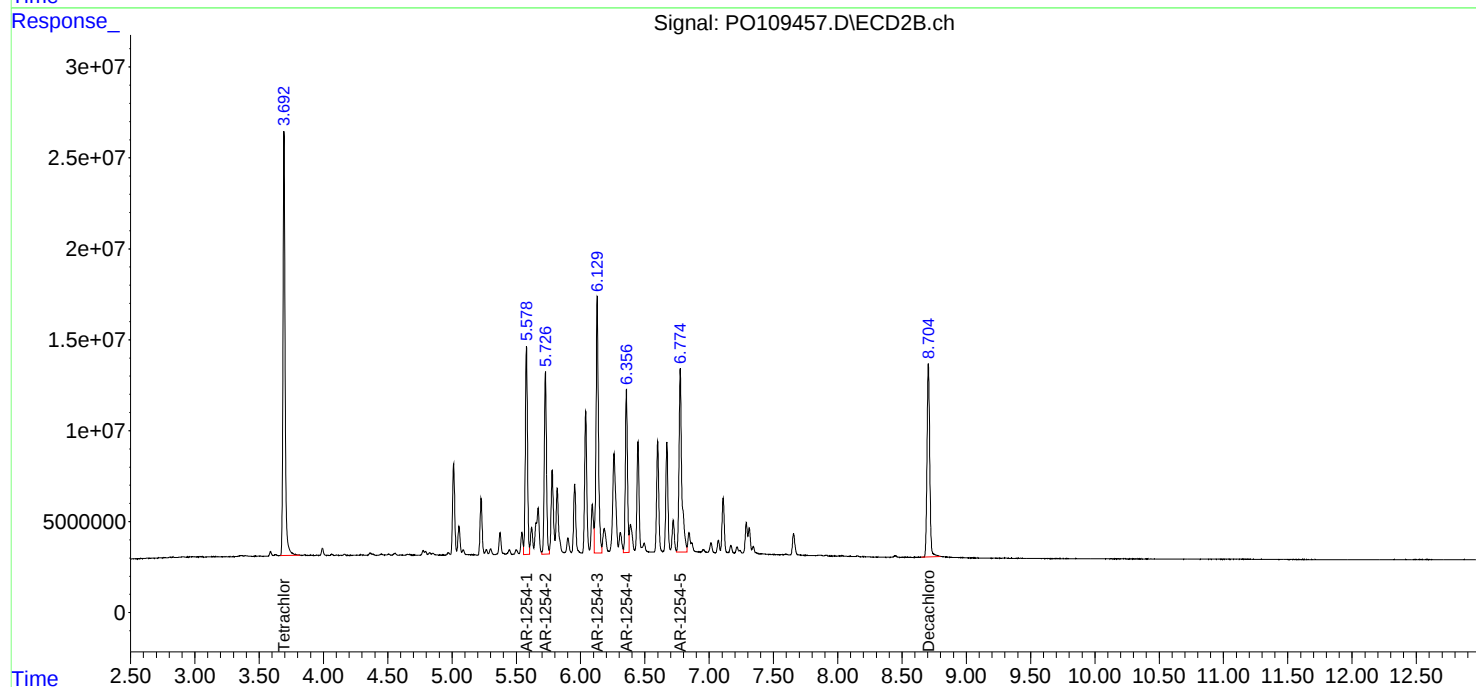
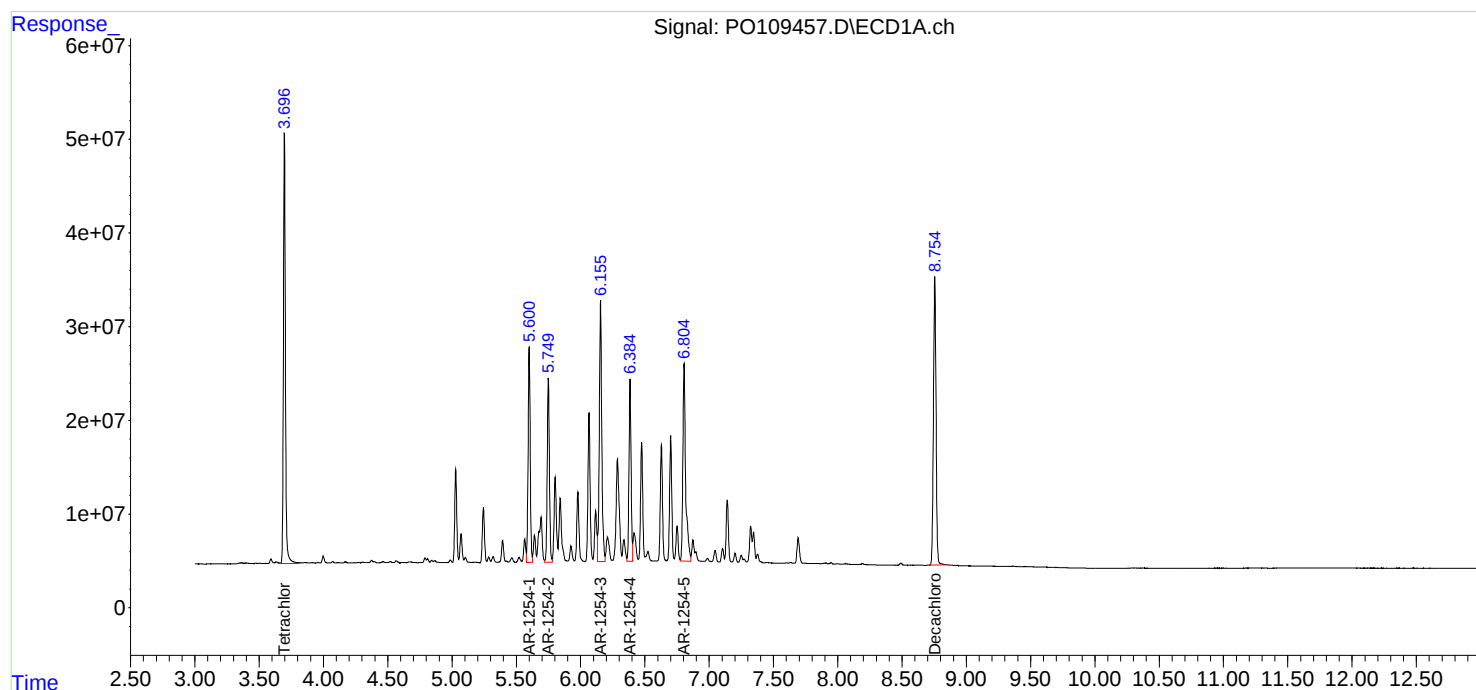
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109457.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 02:15  
Operator : YP/AJ  
Sample : AR1254ICV500  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO022025AR1254

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 03:06:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 03:04:52 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\_O\Data\P0022025\  
 Data File : P0109458.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Feb 2025 02:34  
 Operator : YP/AJ  
 Sample : AR1268ICV500  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 ICVPO022025AR1268

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:18:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:14:38 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.696 | 3.693 | 505.7E6  | 272.2E6  | 50.812  | 51.081  |
| 2) SA Decachlor...          | 8.754 | 8.704 | 737.4E6  | 260.5E6  | 50.951  | 50.843  |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 41) L9 AR-1268-1            | 7.631 | 7.596 | 670.6E6  | 287.4E6  | 508.735 | 509.428 |
| 42) L9 AR-1268-2            | 7.696 | 7.660 | 616.2E6  | 265.8E6  | 510.180 | 510.135 |
| 43) L9 AR-1268-3            | 7.905 | 7.868 | 517.0E6  | 214.7E6  | 510.419 | 510.625 |
| 44) L9 AR-1268-4            | 8.193 | 8.152 | 213.4E6  | 83152742 | 507.822 | 509.893 |
| 45) L9 AR-1268-5            | 8.491 | 8.446 | 1546.7E6 | 554.6E6  | 509.351 | 510.729 |
| -----                       |       |       |          |          |         |         |

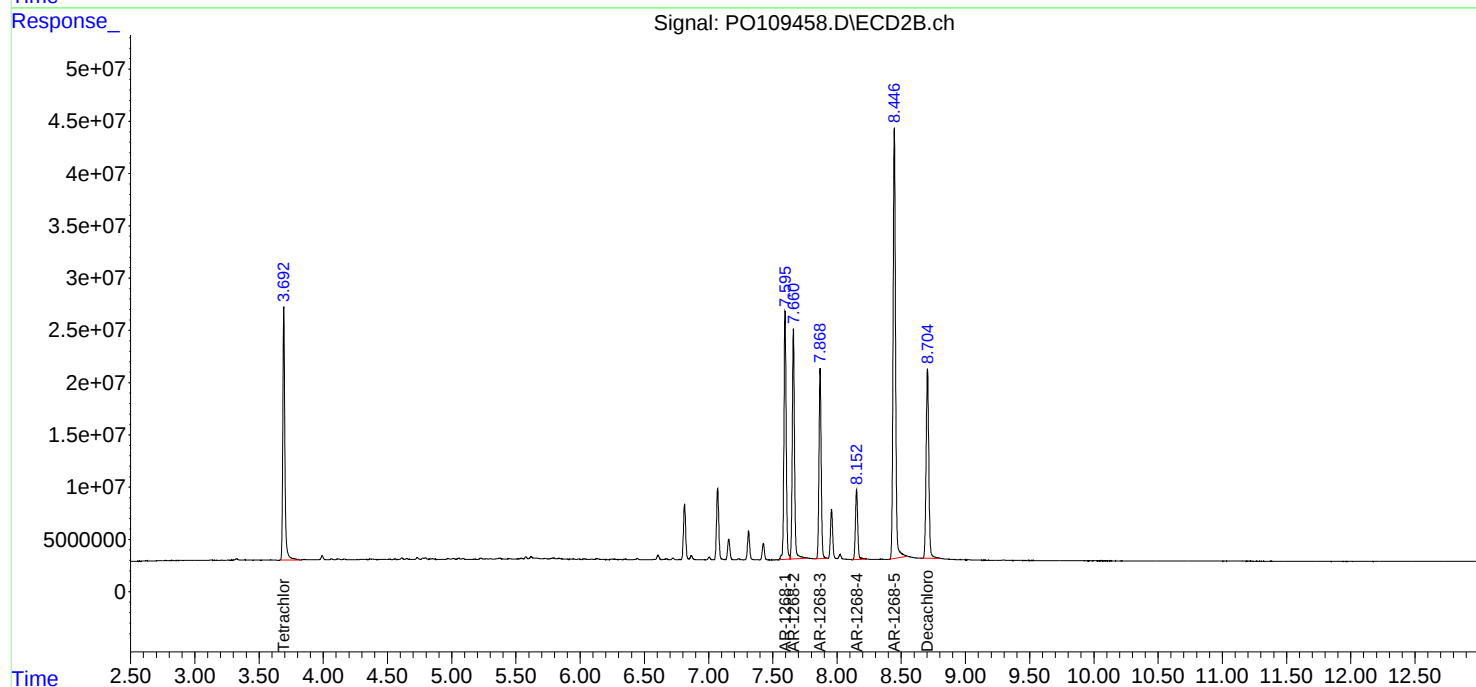
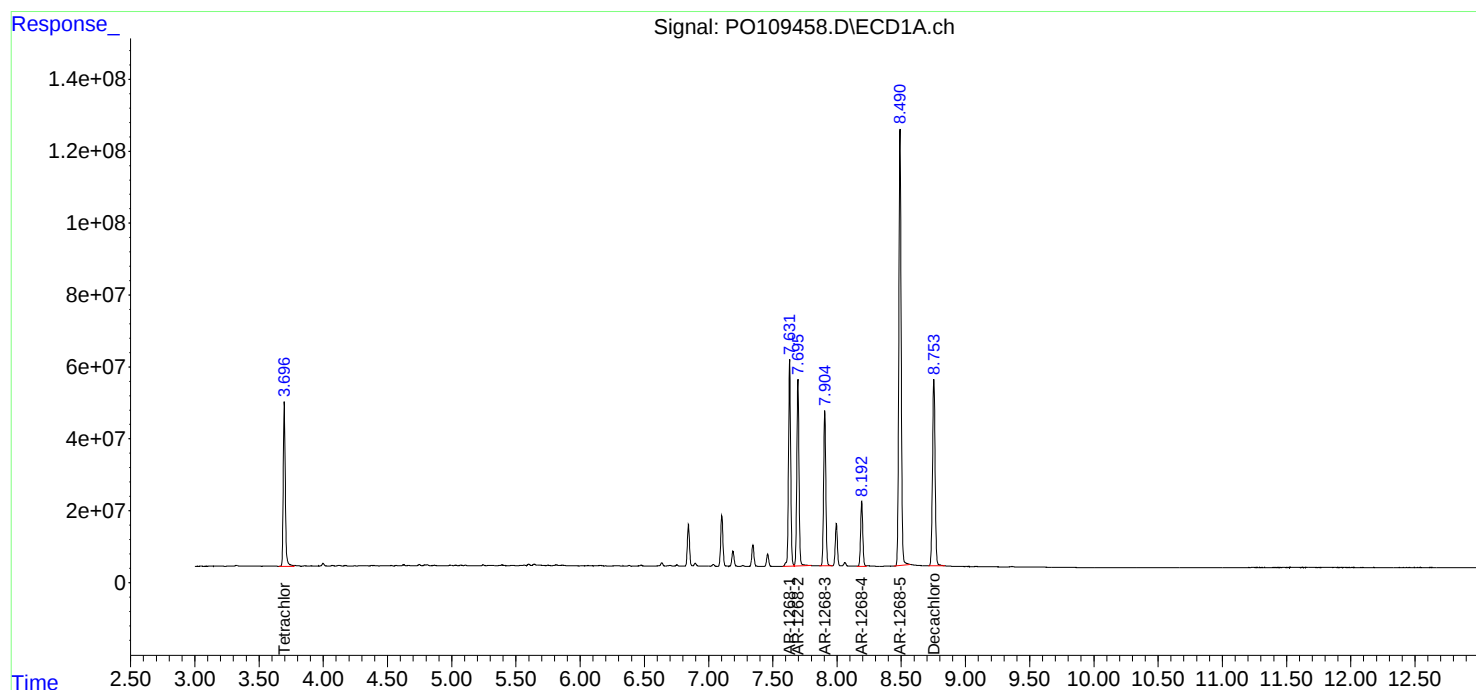
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109458.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Feb 2025 02:34  
Operator : YP/AJ  
Sample : AR1268ICV500  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
ICVPO022025AR1268

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:18:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:14:38 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Continuing Calib Date: 03/06/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 10:05 Initial Calibration Time(s): 16:46 01:02

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) | 4.79       | 4.79      | 4.69                   | 4.89 | 0.00       |
| Aroclor-1016-2       | (2) | 4.81       | 4.81      | 4.71                   | 4.91 | 0.00       |
| Aroclor-1016-3       | (3) | 4.87       | 4.87      | 4.77                   | 4.97 | 0.00       |
| Aroclor-1016-4       | (4) | 4.99       | 4.99      | 4.89                   | 5.09 | 0.00       |
| Aroclor-1016-5       | (5) | 5.24       | 5.25      | 5.15                   | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.29       | 6.29      | 6.19                   | 6.39 | 0.00       |
| Aroclor-1260-2       | (2) | 6.48       | 6.48      | 6.38                   | 6.58 | 0.00       |
| Aroclor-1260-3       | (3) | 6.85       | 6.85      | 6.75                   | 6.95 | 0.00       |
| Aroclor-1260-4       | (4) | 7.11       | 7.11      | 7.01                   | 7.21 | 0.00       |
| Aroclor-1260-5       | (5) | 7.35       | 7.35      | 7.25                   | 7.45 | 0.00       |
| Tetrachloro-m-xylene |     | 3.70       | 3.70      | 3.60                   | 3.80 | 0.00       |
| Decachlorobiphenyl   |     | 8.76       | 8.76      | 8.66                   | 8.86 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Continuing Calib Date: 03/06/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 10:05 Initial Calibration Time(s): 16:46 01:02

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) | 4.78       | 4.78      | 4.68                   | 4.88 | 0.00       |
| Aroclor-1016-2       | (2) | 4.80       | 4.80      | 4.70                   | 4.90 | 0.00       |
| Aroclor-1016-3       | (3) | 4.97       | 4.97      | 4.87                   | 5.07 | 0.00       |
| Aroclor-1016-4       | (4) | 5.01       | 5.01      | 4.91                   | 5.11 | 0.00       |
| Aroclor-1016-5       | (5) | 5.23       | 5.23      | 5.13                   | 5.33 | 0.00       |
| Aroclor-1260-1       | (1) | 6.26       | 6.26      | 6.16                   | 6.36 | 0.00       |
| Aroclor-1260-2       | (2) | 6.45       | 6.45      | 6.35                   | 6.55 | 0.00       |
| Aroclor-1260-3       | (3) | 6.60       | 6.60      | 6.50                   | 6.70 | 0.00       |
| Aroclor-1260-4       | (4) | 7.07       | 7.07      | 6.97                   | 7.17 | 0.00       |
| Aroclor-1260-5       | (5) | 7.32       | 7.31      | 7.21                   | 7.41 | -0.01      |
| Tetrachloro-m-xylene |     | 3.69       | 3.69      | 3.59                   | 3.79 | 0.00       |
| Decachlorobiphenyl   |     | 8.71       | 8.71      | 8.61                   | 8.81 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/20/2025 02/20/2025

Client Sample No.: CCAL01 Date Analyzed: 03/06/2025

Lab Sample No.: AR1660CCC500 Data File : PO109648.D Time Analyzed: 10:05

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.791 | 4.691     | 4.891 | 495.490            | 500.000           | -0.9  |
| Aroclor-1016-2       | 4.811 | 4.711     | 4.911 | 499.000            | 500.000           | -0.2  |
| Aroclor-1016-3       | 4.867 | 4.767     | 4.967 | 498.220            | 500.000           | -0.4  |
| Aroclor-1016-4       | 4.988 | 4.888     | 5.088 | 499.640            | 500.000           | -0.1  |
| Aroclor-1016-5       | 5.244 | 5.145     | 5.345 | 479.950            | 500.000           | -4.0  |
| Aroclor-1260-1       | 6.288 | 6.188     | 6.388 | 497.990            | 500.000           | -0.4  |
| Aroclor-1260-2       | 6.476 | 6.377     | 6.577 | 491.040            | 500.000           | -1.8  |
| Aroclor-1260-3       | 6.846 | 6.746     | 6.946 | 477.970            | 500.000           | -4.4  |
| Aroclor-1260-4       | 7.106 | 7.005     | 7.205 | 481.150            | 500.000           | -3.8  |
| Aroclor-1260-5       | 7.349 | 7.247     | 7.447 | 485.050            | 500.000           | -3.0  |
| Decachlorobiphenyl   | 8.757 | 8.657     | 8.857 | 43.950             | 50.000            | -12.1 |
| Tetrachloro-m-xylene | 3.697 | 3.598     | 3.798 | 48.860             | 50.000            | -2.3  |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/20/2025 02/20/2025

Client Sample No.: CCAL01 Date Analyzed: 03/06/2025

Lab Sample No.: AR1660CCC500 Data File : PO109648.D Time Analyzed: 10:05

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|----------------------|-------|--------------------|-------------------|------|
| Aroclor-1016-1       | 4.778 | 4.678                | 4.878 | 524.970            | 500.000           | 5.0  |
| Aroclor-1016-2       | 4.797 | 4.697                | 4.897 | 531.650            | 500.000           | 6.3  |
| Aroclor-1016-3       | 4.972 | 4.872                | 5.072 | 532.380            | 500.000           | 6.5  |
| Aroclor-1016-4       | 5.014 | 4.914                | 5.114 | 451.780            | 500.000           | -9.6 |
| Aroclor-1016-5       | 5.227 | 5.127                | 5.327 | 504.620            | 500.000           | 0.9  |
| Aroclor-1260-1       | 6.261 | 6.161                | 6.361 | 517.600            | 500.000           | 3.5  |
| Aroclor-1260-2       | 6.449 | 6.348                | 6.548 | 516.800            | 500.000           | 3.4  |
| Aroclor-1260-3       | 6.602 | 6.502                | 6.702 | 505.870            | 500.000           | 1.2  |
| Aroclor-1260-4       | 7.074 | 6.974                | 7.174 | 499.390            | 500.000           | -0.1 |
| Aroclor-1260-5       | 7.315 | 7.214                | 7.414 | 511.830            | 500.000           | 2.4  |
| Decachlorobiphenyl   | 8.708 | 8.607                | 8.807 | 45.230             | 50.000            | -9.5 |
| Tetrachloro-m-xylene | 3.694 | 3.594                | 3.794 | 52.140             | 50.000            | 4.3  |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109648.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 10:05  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 10:15:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|----------|----------|----------|
| -----                       |       |       |         |          |          |          |
| System Monitoring Compounds |       |       |         |          |          |          |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 462.5E6 | 272.9E6  | 48.861   | 52.145   |
| 2) SA Decachlor...          | 8.757 | 8.708 | 378.0E6 | 144.0E6  | 43.946   | 45.229   |
| Target Compounds            |       |       |         |          |          |          |
| 3) L1 AR-1016-1             | 4.791 | 4.778 | 152.8E6 | 81985591 | 495.486  | 524.975  |
| 4) L1 AR-1016-2             | 4.811 | 4.797 | 210.1E6 | 115.1E6  | 498.998  | 531.652  |
| 5) L1 AR-1016-3             | 4.867 | 4.972 | 147.4E6 | 63593851 | 498.218  | 532.383  |
| 6) L1 AR-1016-4             | 4.988 | 5.014 | 115.8E6 | 47016597 | 499.645  | 451.776  |
| 7) L1 AR-1016-5             | 5.244 | 5.227 | 123.9E6 | 68755996 | 479.954m | 504.618m |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 232.1E6 | 122.6E6  | 497.985  | 517.597  |
| 32) L7 AR-1260-2            | 6.476 | 6.449 | 277.5E6 | 142.2E6  | 491.040  | 516.802  |
| 33) L7 AR-1260-3            | 6.846 | 6.602 | 227.4E6 | 129.0E6  | 477.970  | 505.873  |
| 34) L7 AR-1260-4            | 7.106 | 7.074 | 207.7E6 | 103.0E6  | 481.151  | 499.389  |
| 35) L7 AR-1260-5            | 7.349 | 7.315 | 482.1E6 | 229.2E6  | 485.049  | 511.830  |
| -----                       |       |       |         |          |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109648.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 10:05  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

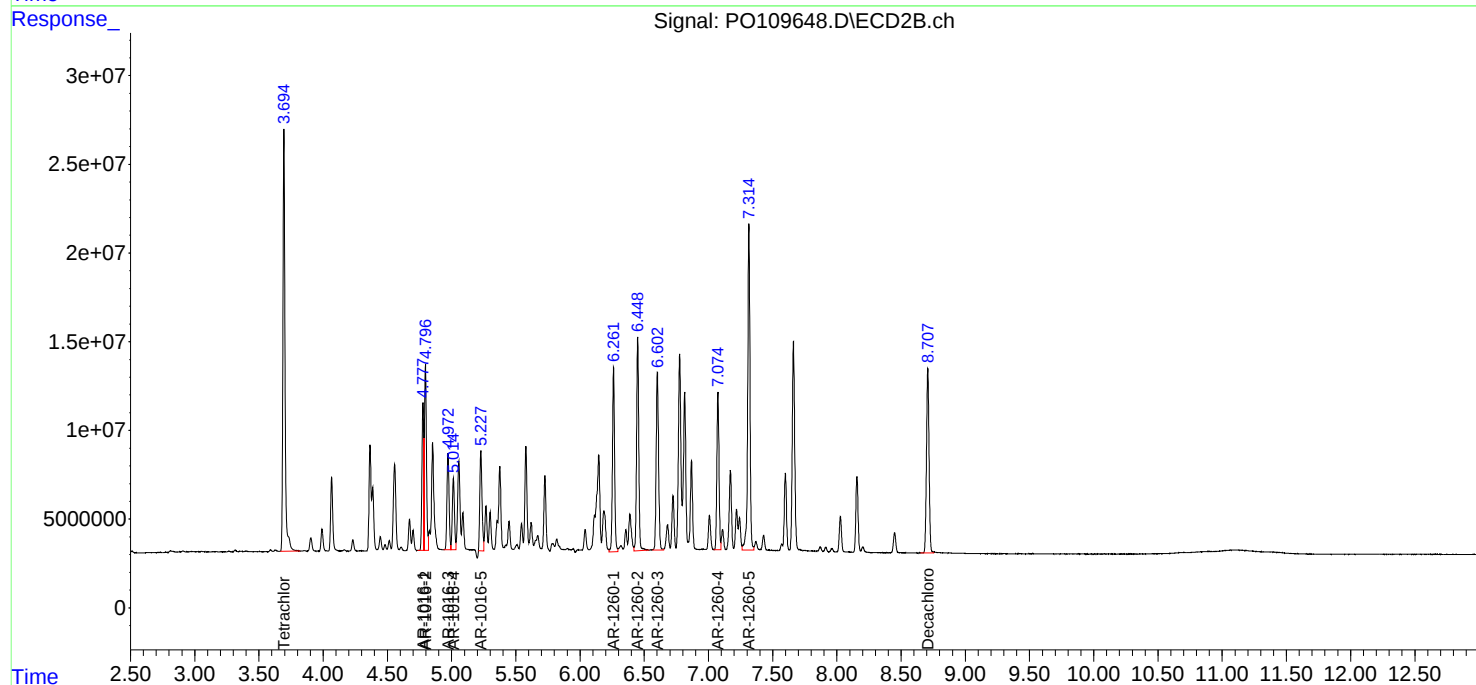
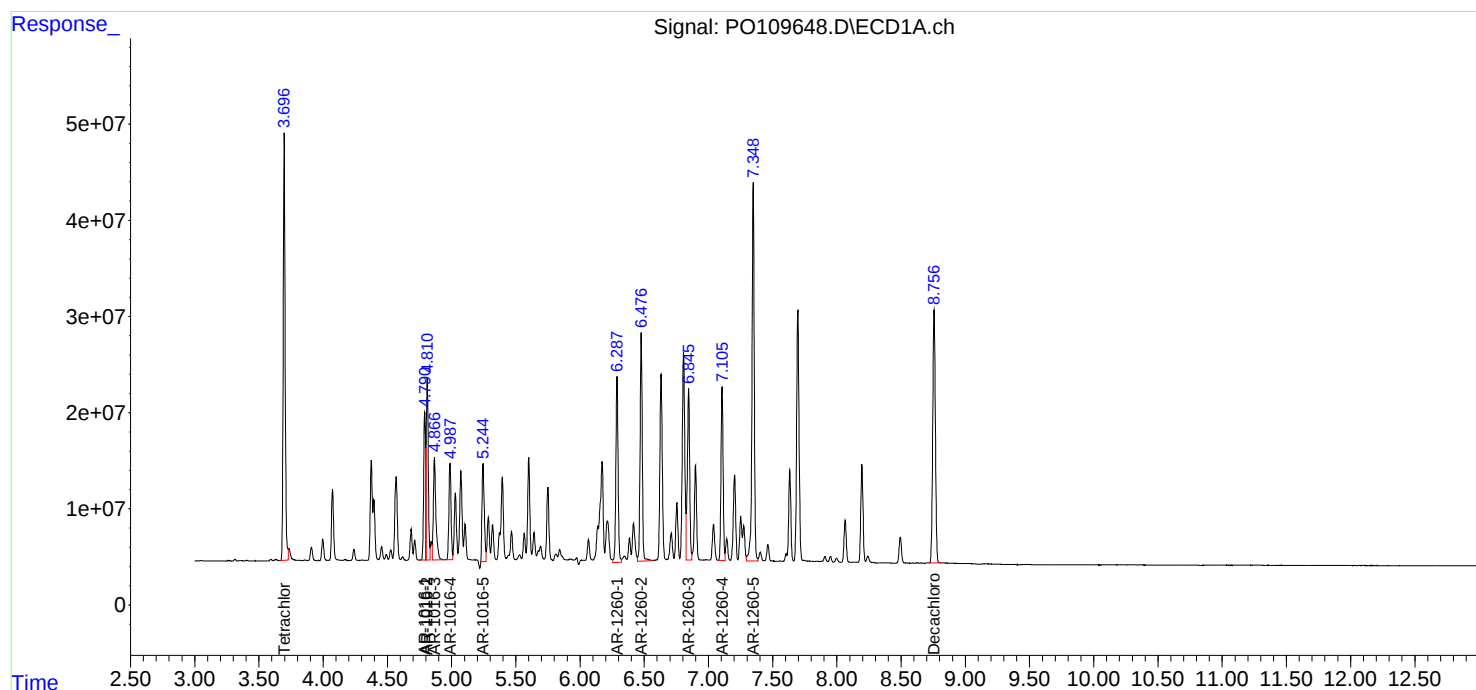
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 10:15:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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





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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Continuing Calib Date: 03/06/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 16:11 Initial Calibration Time(s): 16:46 01:02

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) | 4.79       | 4.79      | 4.69                   | 4.89 | 0.00       |
| Aroclor-1016-2       | (2) | 4.81       | 4.81      | 4.71                   | 4.91 | 0.00       |
| Aroclor-1016-3       | (3) | 4.87       | 4.87      | 4.77                   | 4.97 | 0.00       |
| Aroclor-1016-4       | (4) | 4.99       | 4.99      | 4.89                   | 5.09 | 0.00       |
| Aroclor-1016-5       | (5) | 5.25       | 5.25      | 5.15                   | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.29       | 6.29      | 6.19                   | 6.39 | 0.00       |
| Aroclor-1260-2       | (2) | 6.48       | 6.48      | 6.38                   | 6.58 | 0.00       |
| Aroclor-1260-3       | (3) | 6.85       | 6.85      | 6.75                   | 6.95 | 0.01       |
| Aroclor-1260-4       | (4) | 7.11       | 7.11      | 7.01                   | 7.21 | 0.00       |
| Aroclor-1260-5       | (5) | 7.35       | 7.35      | 7.25                   | 7.45 | 0.00       |
| Tetrachloro-m-xylene |     | 3.70       | 3.70      | 3.60                   | 3.80 | 0.00       |
| Decachlorobiphenyl   |     | 8.76       | 8.76      | 8.66                   | 8.86 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Continuing Calib Date: 03/06/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 16:11 Initial Calibration Time(s): 16:46 01:02

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.78       | 4.78      | 4.68      | 4.88 | 0.00       |
| Aroclor-1016-2       | (2) | 4.80       | 4.80      | 4.70      | 4.90 | 0.00       |
| Aroclor-1016-3       | (3) | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aroclor-1016-4       | (4) | 5.02       | 5.01      | 4.91      | 5.11 | 0.00       |
| Aroclor-1016-5       | (5) | 5.23       | 5.23      | 5.13      | 5.33 | 0.00       |
| Aroclor-1260-1       | (1) | 6.26       | 6.26      | 6.16      | 6.36 | 0.00       |
| Aroclor-1260-2       | (2) | 6.45       | 6.45      | 6.35      | 6.55 | 0.00       |
| Aroclor-1260-3       | (3) | 6.60       | 6.60      | 6.50      | 6.70 | 0.00       |
| Aroclor-1260-4       | (4) | 7.07       | 7.07      | 6.97      | 7.17 | 0.00       |
| Aroclor-1260-5       | (5) | 7.32       | 7.31      | 7.21      | 7.41 | -0.01      |
| Tetrachloro-m-xylene |     | 3.70       | 3.69      | 3.59      | 3.79 | 0.00       |
| Decachlorobiphenyl   |     | 8.71       | 8.71      | 8.61      | 8.81 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/20/2025 02/20/2025

Client Sample No.: CCAL02 Date Analyzed: 03/06/2025

Lab Sample No.: AR1660CCC500 Data File : PO109662.D Time Analyzed: 16:11

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.791 | 4.691     | 4.891 | 484.120            | 500.000           | -3.2  |
| Aroclor-1016-2       | 4.810 | 4.711     | 4.911 | 486.830            | 500.000           | -2.6  |
| Aroclor-1016-3       | 4.867 | 4.767     | 4.967 | 484.640            | 500.000           | -3.1  |
| Aroclor-1016-4       | 4.987 | 4.888     | 5.088 | 484.750            | 500.000           | -3.1  |
| Aroclor-1016-5       | 5.245 | 5.145     | 5.345 | 467.760            | 500.000           | -6.4  |
| Aroclor-1260-1       | 6.287 | 6.188     | 6.388 | 480.610            | 500.000           | -3.9  |
| Aroclor-1260-2       | 6.476 | 6.377     | 6.577 | 468.300            | 500.000           | -6.3  |
| Aroclor-1260-3       | 6.845 | 6.746     | 6.946 | 444.240            | 500.000           | -11.2 |
| Aroclor-1260-4       | 7.105 | 7.005     | 7.205 | 434.880            | 500.000           | -13.0 |
| Aroclor-1260-5       | 7.347 | 7.247     | 7.447 | 430.260            | 500.000           | -13.9 |
| Decachlorobiphenyl   | 8.756 | 8.657     | 8.857 | 39.220             | 50.000            | -21.6 |
| Tetrachloro-m-xylene | 3.696 | 3.598     | 3.798 | 47.820             | 50.000            | -4.4  |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/20/2025 02/20/2025

Client Sample No.: CCAL02 Date Analyzed: 03/06/2025

Lab Sample No.: AR1660CCC500 Data File : PO109662.D Time Analyzed: 16:11

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.778 | 4.678     | 4.878 | 536.050            | 500.000           | 7.2   |
| Aroclor-1016-2       | 4.797 | 4.697     | 4.897 | 543.930            | 500.000           | 8.8   |
| Aroclor-1016-3       | 4.973 | 4.872     | 5.072 | 540.440            | 500.000           | 8.1   |
| Aroclor-1016-4       | 5.015 | 4.914     | 5.114 | 451.810            | 500.000           | -9.6  |
| Aroclor-1016-5       | 5.228 | 5.127     | 5.327 | 521.700            | 500.000           | 4.3   |
| Aroclor-1260-1       | 6.261 | 6.161     | 6.361 | 512.490            | 500.000           | 2.5   |
| Aroclor-1260-2       | 6.449 | 6.348     | 6.548 | 510.220            | 500.000           | 2.0   |
| Aroclor-1260-3       | 6.603 | 6.502     | 6.702 | 498.850            | 500.000           | -0.2  |
| Aroclor-1260-4       | 7.074 | 6.974     | 7.174 | 483.020            | 500.000           | -3.4  |
| Aroclor-1260-5       | 7.315 | 7.214     | 7.414 | 492.120            | 500.000           | -1.6  |
| Decachlorobiphenyl   | 8.708 | 8.607     | 8.807 | 43.320             | 50.000            | -13.4 |
| Tetrachloro-m-xylene | 3.695 | 3.594     | 3.794 | 53.270             | 50.000            | 6.5   |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109662.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 16:11  
 Operator : YP/AJ  
 Sample : AR1660CCC500  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 AR1660CCC500

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
 Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 07 00:09:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|----------|----------|----------|
| -----                       |       |       |         |          |          |          |
| System Monitoring Compounds |       |       |         |          |          |          |
| 1) SA Tetrachlo...          | 3.696 | 3.695 | 452.6E6 | 278.8E6  | 47.815   | 53.270   |
| 2) SA Decachlor...          | 8.756 | 8.708 | 337.4E6 | 138.0E6  | 39.222   | 43.324   |
| Target Compounds            |       |       |         |          |          |          |
| 3) L1 AR-1016-1             | 4.791 | 4.778 | 149.3E6 | 83715846 | 484.122  | 536.054  |
| 4) L1 AR-1016-2             | 4.810 | 4.797 | 205.0E6 | 117.7E6  | 486.830  | 543.934  |
| 5) L1 AR-1016-3             | 4.867 | 4.973 | 143.4E6 | 64555649 | 484.642  | 540.435  |
| 6) L1 AR-1016-4             | 4.987 | 5.015 | 112.4E6 | 47020626 | 484.751  | 451.815  |
| 7) L1 AR-1016-5             | 5.245 | 5.228 | 120.8E6 | 71083131 | 467.765m | 521.698m |
| 31) L7 AR-1260-1            | 6.287 | 6.261 | 224.0E6 | 121.4E6  | 480.611  | 512.490  |
| 32) L7 AR-1260-2            | 6.476 | 6.449 | 264.6E6 | 140.4E6  | 468.298  | 510.221  |
| 33) L7 AR-1260-3            | 6.845 | 6.603 | 211.3E6 | 127.2E6  | 444.236  | 498.852  |
| 34) L7 AR-1260-4            | 7.105 | 7.074 | 187.7E6 | 99595618 | 434.880  | 483.023  |
| 35) L7 AR-1260-5            | 7.347 | 7.315 | 427.6E6 | 220.4E6  | 430.260  | 492.116  |
| -----                       |       |       |         |          |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109662.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 16:11  
Operator : YP/AJ  
Sample : AR1660CCC500  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

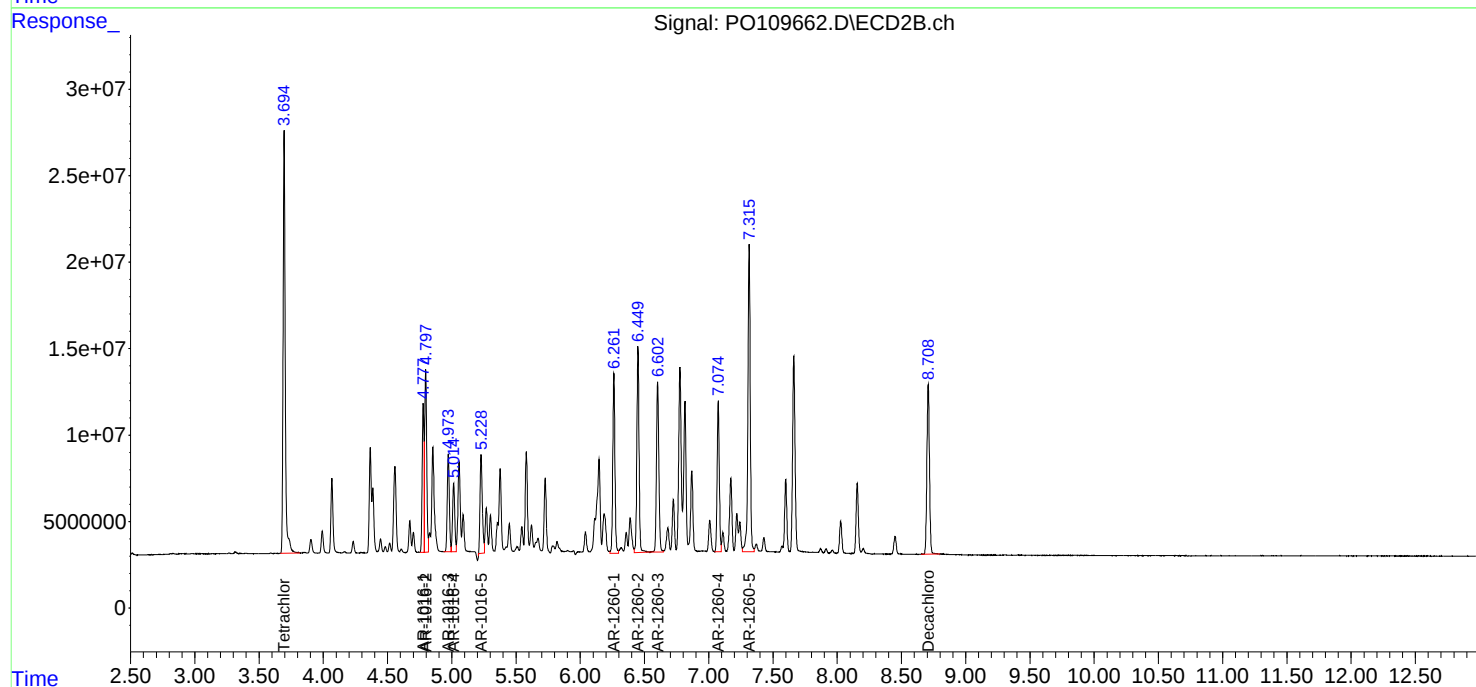
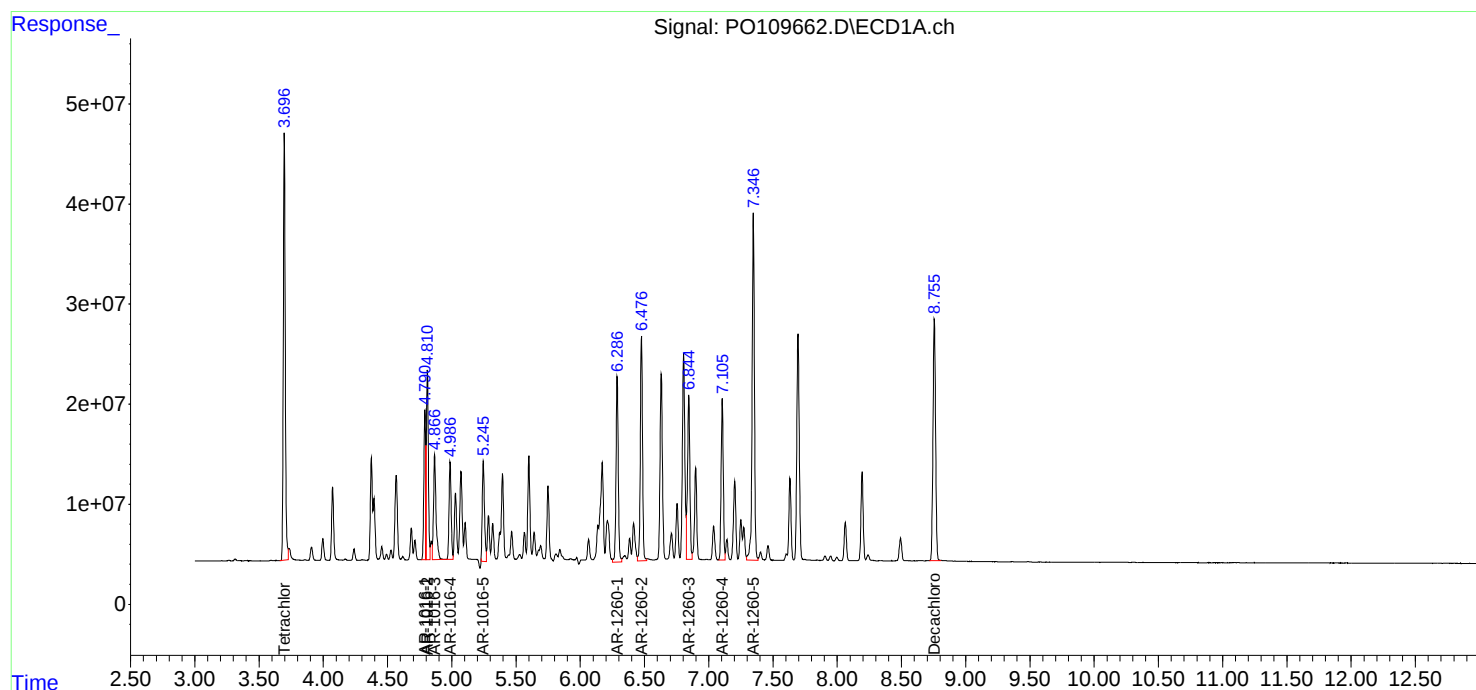
Instrument :  
ECD\_O  
ClientSampleId :  
AR1660CCC500

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/07/2025  
Supervised By :mohammad ahmed 03/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:09:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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



## Analytical Sequence

**Client:** ATC Group Services LLC

**SDG No.:** Q1498

**Project:** P.S. 29 Queens - 2022SCA425

**Instrument ID:** ECD\_O

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

**Inst. Calib. Date(s):** 02/20/2025 02/20/2025

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             | 02/20/2025       | 16:28            | PO109425.D | 8.76        | 3.70        |
| AR1660ICC1000            | AR1660ICC1000    | 02/20/2025       | 16:46            | PO109426.D | 8.76        | 3.70        |
| AR1660ICC750             | AR1660ICC750     | 02/20/2025       | 17:04            | PO109427.D | 8.76        | 3.70        |
| AR1660ICC500             | AR1660ICC500     | 02/20/2025       | 17:23            | PO109428.D | 8.76        | 3.70        |
| AR1660ICC250             | AR1660ICC250     | 02/20/2025       | 17:41            | PO109429.D | 8.76        | 3.70        |
| AR1660ICC050             | AR1660ICC050     | 02/20/2025       | 17:59            | PO109430.D | 8.76        | 3.70        |
| AR1221ICC500             | AR1221ICC500     | 02/20/2025       | 18:18            | PO109431.D | 8.76        | 3.70        |
| AR1232ICC500             | AR1232ICC500     | 02/20/2025       | 18:36            | PO109432.D | 8.76        | 3.70        |
| AR1242ICC1000            | AR1242ICC1000    | 02/20/2025       | 18:55            | PO109433.D | 8.76        | 3.70        |
| AR1242ICC750             | AR1242ICC750     | 02/20/2025       | 19:13            | PO109434.D | 8.76        | 3.70        |
| AR1242ICC500             | AR1242ICC500     | 02/20/2025       | 19:31            | PO109435.D | 8.76        | 3.70        |
| AR1242ICC250             | AR1242ICC250     | 02/20/2025       | 19:50            | PO109436.D | 8.76        | 3.70        |
| AR1242ICC050             | AR1242ICC050     | 02/20/2025       | 20:08            | PO109437.D | 8.76        | 3.70        |
| AR1248ICC1000            | AR1248ICC1000    | 02/20/2025       | 20:26            | PO109438.D | 8.76        | 3.70        |
| AR1248ICC750             | AR1248ICC750     | 02/20/2025       | 20:45            | PO109439.D | 8.76        | 3.70        |
| AR1248ICC500             | AR1248ICC500     | 02/20/2025       | 21:03            | PO109440.D | 8.76        | 3.70        |
| AR1248ICC250             | AR1248ICC250     | 02/20/2025       | 21:21            | PO109441.D | 8.76        | 3.70        |
| AR1248ICC050             | AR1248ICC050     | 02/20/2025       | 21:40            | PO109442.D | 8.75        | 3.70        |
| AR1254ICC1000            | AR1254ICC1000    | 02/20/2025       | 21:58            | PO109443.D | 8.75        | 3.70        |
| AR1254ICC750             | AR1254ICC750     | 02/20/2025       | 22:17            | PO109444.D | 8.76        | 3.70        |
| AR1254ICC500             | AR1254ICC500     | 02/20/2025       | 22:35            | PO109445.D | 8.76        | 3.70        |
| AR1254ICC250             | AR1254ICC250     | 02/20/2025       | 22:53            | PO109446.D | 8.76        | 3.70        |
| AR1254ICC050             | AR1254ICC050     | 02/20/2025       | 23:12            | PO109447.D | 8.76        | 3.70        |
| AR1262ICC500             | AR1262ICC500     | 02/20/2025       | 23:30            | PO109448.D | 8.75        | 3.70        |
| AR1268ICC1000            | AR1268ICC1000    | 02/20/2025       | 23:48            | PO109449.D | 8.76        | 3.70        |
| AR1268ICC750             | AR1268ICC750     | 02/21/2025       | 00:07            | PO109450.D | 8.76        | 3.70        |
| AR1268ICC500             | AR1268ICC500     | 02/21/2025       | 00:25            | PO109451.D | 8.75        | 3.70        |
| AR1268ICC250             | AR1268ICC250     | 02/21/2025       | 00:43            | PO109452.D | 8.76        | 3.70        |
| AR1268ICC050             | AR1268ICC050     | 02/21/2025       | 01:02            | PO109453.D | 8.75        | 3.70        |
| AR1660CCC500             | AR1660CCC500     | 03/06/2025       | 10:05            | PO109648.D | 8.76        | 3.70        |
| IBLK                     | IBLK             | 03/06/2025       | 11:20            | PO109652.D | 8.76        | 3.70        |
| PB167003BL               | PB167003BL       | 03/06/2025       | 12:29            | PO109653.D | 8.76        | 3.70        |
| PB167003BS               | PB167003BS       | 03/06/2025       | 12:47            | PO109654.D | 8.76        | 3.70        |
| 4A-4B-4C-1928 BLD-WINDOW | Q1498-01         | 03/06/2025       | 13:06            | PO109655.D | 8.76        | 3.70        |
| 5A-5B-5C-1985 BLDG       | Q1498-02         | 03/06/2025       | 13:24            | PO109656.D | 8.76        | 3.70        |
| 6A-6B-6C-1985            | Q1498-03         | 03/06/2025       | 13:43            | PO109657.D | 8.76        | 3.70        |
| 7A-7B-7C-ROOF-5          | Q1498-04         | 03/06/2025       | 14:01            | PO109658.D | 8.76        | 3.70        |
| 8A-8B-8C-ROOF-5          | Q1498-05         | 03/06/2025       | 14:20            | PO109659.D | 8.76        | 3.70        |
| 9A-9B-9C-ROOF-6          | Q1498-06         | 03/06/2025       | 14:37            | PO109660.D | 8.76        | 3.70        |
| 10A-10B-10C-ROOF-6       | Q1498-07         | 03/06/2025       | 14:55            | PO109661.D | 8.76        | 3.70        |
| AR1660CCC500             | AR1660CCC500     | 03/06/2025       | 16:11            | PO109662.D | 8.76        | 3.70        |
| IBLK                     | IBLK             | 03/06/2025       | 18:01            | PO109666.D | 8.76        | 3.70        |

## **Analytical Sequence**

---

## Analytical Sequence

|                                      |                                                                 |
|--------------------------------------|-----------------------------------------------------------------|
| Client: ATC Group Services LLC       | SDG No.: Q1498                                                  |
| Project: P.S. 29 Queens - 2022SCA425 | Instrument ID: ECD_O                                            |
| GC Column: ZB-MR2                    | ID: 0.32 (mm)    Inst. Calib. Date(s): 02/20/2025    02/20/2025 |

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             | 02/20/2025       | 16:28            | PO109425.D | 8.71        | 3.69        |
| AR1660ICC1000            | AR1660ICC1000    | 02/20/2025       | 16:46            | PO109426.D | 8.71        | 3.69        |
| AR1660ICC750             | AR1660ICC750     | 02/20/2025       | 17:04            | PO109427.D | 8.71        | 3.69        |
| AR1660ICC500             | AR1660ICC500     | 02/20/2025       | 17:23            | PO109428.D | 8.71        | 3.69        |
| AR1660ICC250             | AR1660ICC250     | 02/20/2025       | 17:41            | PO109429.D | 8.71        | 3.69        |
| AR1660ICC050             | AR1660ICC050     | 02/20/2025       | 17:59            | PO109430.D | 8.71        | 3.69        |
| AR1221ICC500             | AR1221ICC500     | 02/20/2025       | 18:18            | PO109431.D | 8.71        | 3.69        |
| AR1232ICC500             | AR1232ICC500     | 02/20/2025       | 18:36            | PO109432.D | 8.71        | 3.69        |
| AR1242ICC1000            | AR1242ICC1000    | 02/20/2025       | 18:55            | PO109433.D | 8.71        | 3.69        |
| AR1242ICC750             | AR1242ICC750     | 02/20/2025       | 19:13            | PO109434.D | 8.71        | 3.69        |
| AR1242ICC500             | AR1242ICC500     | 02/20/2025       | 19:31            | PO109435.D | 8.71        | 3.69        |
| AR1242ICC250             | AR1242ICC250     | 02/20/2025       | 19:50            | PO109436.D | 8.71        | 3.69        |
| AR1242ICC050             | AR1242ICC050     | 02/20/2025       | 20:08            | PO109437.D | 8.71        | 3.69        |
| AR1248ICC1000            | AR1248ICC1000    | 02/20/2025       | 20:26            | PO109438.D | 8.71        | 3.69        |
| AR1248ICC750             | AR1248ICC750     | 02/20/2025       | 20:45            | PO109439.D | 8.71        | 3.69        |
| AR1248ICC500             | AR1248ICC500     | 02/20/2025       | 21:03            | PO109440.D | 8.71        | 3.69        |
| AR1248ICC250             | AR1248ICC250     | 02/20/2025       | 21:21            | PO109441.D | 8.71        | 3.69        |
| AR1248ICC050             | AR1248ICC050     | 02/20/2025       | 21:40            | PO109442.D | 8.71        | 3.69        |
| AR1254ICC1000            | AR1254ICC1000    | 02/20/2025       | 21:58            | PO109443.D | 8.71        | 3.69        |
| AR1254ICC750             | AR1254ICC750     | 02/20/2025       | 22:17            | PO109444.D | 8.71        | 3.69        |
| AR1254ICC500             | AR1254ICC500     | 02/20/2025       | 22:35            | PO109445.D | 8.71        | 3.69        |
| AR1254ICC250             | AR1254ICC250     | 02/20/2025       | 22:53            | PO109446.D | 8.71        | 3.69        |
| AR1254ICC050             | AR1254ICC050     | 02/20/2025       | 23:12            | PO109447.D | 8.71        | 3.69        |
| AR1262ICC500             | AR1262ICC500     | 02/20/2025       | 23:30            | PO109448.D | 8.71        | 3.69        |
| AR1268ICC1000            | AR1268ICC1000    | 02/20/2025       | 23:48            | PO109449.D | 8.71        | 3.69        |
| AR1268ICC750             | AR1268ICC750     | 02/21/2025       | 00:07            | PO109450.D | 8.71        | 3.69        |
| AR1268ICC500             | AR1268ICC500     | 02/21/2025       | 00:25            | PO109451.D | 8.71        | 3.69        |
| AR1268ICC250             | AR1268ICC250     | 02/21/2025       | 00:43            | PO109452.D | 8.71        | 3.69        |
| AR1268ICC050             | AR1268ICC050     | 02/21/2025       | 01:02            | PO109453.D | 8.70        | 3.69        |
| AR1660CCC500             | AR1660CCC500     | 03/06/2025       | 10:05            | PO109648.D | 8.71        | 3.69        |
| IBLK                     | IBLK             | 03/06/2025       | 11:20            | PO109652.D | 8.71        | 3.69        |
| PB167003BL               | PB167003BL       | 03/06/2025       | 12:29            | PO109653.D | 8.71        | 3.69        |
| PB167003BS               | PB167003BS       | 03/06/2025       | 12:47            | PO109654.D | 8.71        | 3.69        |
| 4A-4B-4C-1928 BLD-WINDOW | Q1498-01         | 03/06/2025       | 13:06            | PO109655.D | 8.71        | 3.69        |
| 5A-5B-5C-1985 BLDG       | Q1498-02         | 03/06/2025       | 13:24            | PO109656.D | 8.71        | 3.69        |
| 6A-6B-6C-1985            | Q1498-03         | 03/06/2025       | 13:43            | PO109657.D | 8.71        | 3.70        |
| 7A-7B-7C-ROOF-5          | Q1498-04         | 03/06/2025       | 14:01            | PO109658.D | 8.71        | 3.70        |
| 8A-8B-8C-ROOF-5          | Q1498-05         | 03/06/2025       | 14:20            | PO109659.D | 8.71        | 3.70        |
| 9A-9B-9C-ROOF-6          | Q1498-06         | 03/06/2025       | 14:37            | PO109660.D | 8.71        | 3.69        |
| 10A-10B-10C-ROOF-6       | Q1498-07         | 03/06/2025       | 14:55            | PO109661.D | 8.71        | 3.70        |
| AR1660CCC500             | AR1660CCC500     | 03/06/2025       | 16:11            | PO109662.D | 8.71        | 3.70        |
| IBLK                     | IBLK             | 03/06/2025       | 18:01            | PO109666.D | 8.71        | 3.69        |

## **Analytical Sequence**

---



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

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167003BS

Contract: ATCE02

Lab Code: CHEM Case No.: Q1498 SAS No.: Q1498 SDG NO.: Q1498

Lab Sample ID: PB167003BS Date(s) Analyzed: 03/06/2025 03/06/2025

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

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

Data file PO109654.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 4.791 | 4.741     | 4.841 | 168           | 168                   | 2.93 |
| COLUMN 1     | 2   | 4.81  | 4.76      | 4.86  | 171           |                       |      |
|              | 3   | 4.867 | 4.817     | 4.917 | 168           |                       |      |
|              | 4   | 4.987 | 4.937     | 5.037 | 170           |                       |      |
|              | 5   | 5.245 | 5.195     | 5.295 | 161           |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 4.778 | 4.728     | 4.828 | 175           | 173                   |      |
|              | 2   | 4.797 | 4.747     | 4.847 | 179           |                       |      |
|              | 3   | 4.973 | 4.923     | 5.023 | 177           |                       |      |
|              | 4   | 5.015 | 4.965     | 5.065 | 168           |                       |      |
|              | 5   | 5.228 | 5.178     | 5.278 | 166           |                       |      |
| Aroclor-1260 | 1   | 6.288 | 6.238     | 6.338 | 172           | 160                   | 6.06 |
| COLUMN 1     | 2   | 6.477 | 6.427     | 6.527 | 172           |                       |      |
|              | 3   | 6.845 | 6.795     | 6.895 | 149           |                       |      |
|              | 4   | 7.105 | 7.055     | 7.155 | 153           |                       |      |
|              | 5   | 7.347 | 7.297     | 7.397 | 156           |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 6.261 | 6.211     | 6.311 | 176           | 170                   |      |
|              | 2   | 6.449 | 6.399     | 6.499 | 178           |                       |      |
|              | 3   | 6.602 | 6.552     | 6.652 | 179           |                       |      |
|              | 4   | 7.074 | 7.024     | 7.124 | 156           |                       |      |
|              | 5   | 7.315 | 7.265     | 7.365 | 161           |                       |      |
|              |     |       |           |       |               |                       |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                             |                    |                    |
|--------------------|-----------------------------|--------------------|--------------------|
| Client:            | ATC Group Services LLC      | Date Collected:    |                    |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     |                    |
| Client Sample ID:  | PB167003BL                  | SDG No.:           | Q1498              |
| Lab Sample ID:     | PB167003BL                  | Matrix:            | SOIL               |
| Analytical Method: | SW8082A                     | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.02      Units:    g      | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                          | Test:              | PCB Group1         |
| Extraction Type:   |                             | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :               |                    |                    |
| Prep Method :      | SW3541B                     |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109653.D        | 1         | 03/06/25 08:23 | 03/06/25 12:29 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 6.40  | U         | 6.40     | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 7.90  | U         | 7.90     | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 2.70  | U         | 2.70     | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 4.60  | U         | 4.60     | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 2.90  | U         | 2.90     | 17.0       | ug/kg             |
| Total PCBs        | Total PCBs           | 7.90  | U         | 7.90     | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 23.4  |           | 32 - 144 | 117%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 23.2  |           | 32 - 175 | 116%       | SPK: 20           |

**Comments:**

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
Data File : P0109653.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 12:29  
Operator : YP/AJ  
Sample : PB167003BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB167003BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:42:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 218.0E6 | 122.7E6  | 23.027 | 23.448 |
| 2) SA Decachlor...          | 8.758 | 8.708 | 189.8E6 | 73945705 | 22.061 | 23.222 |

Target Compounds

-----

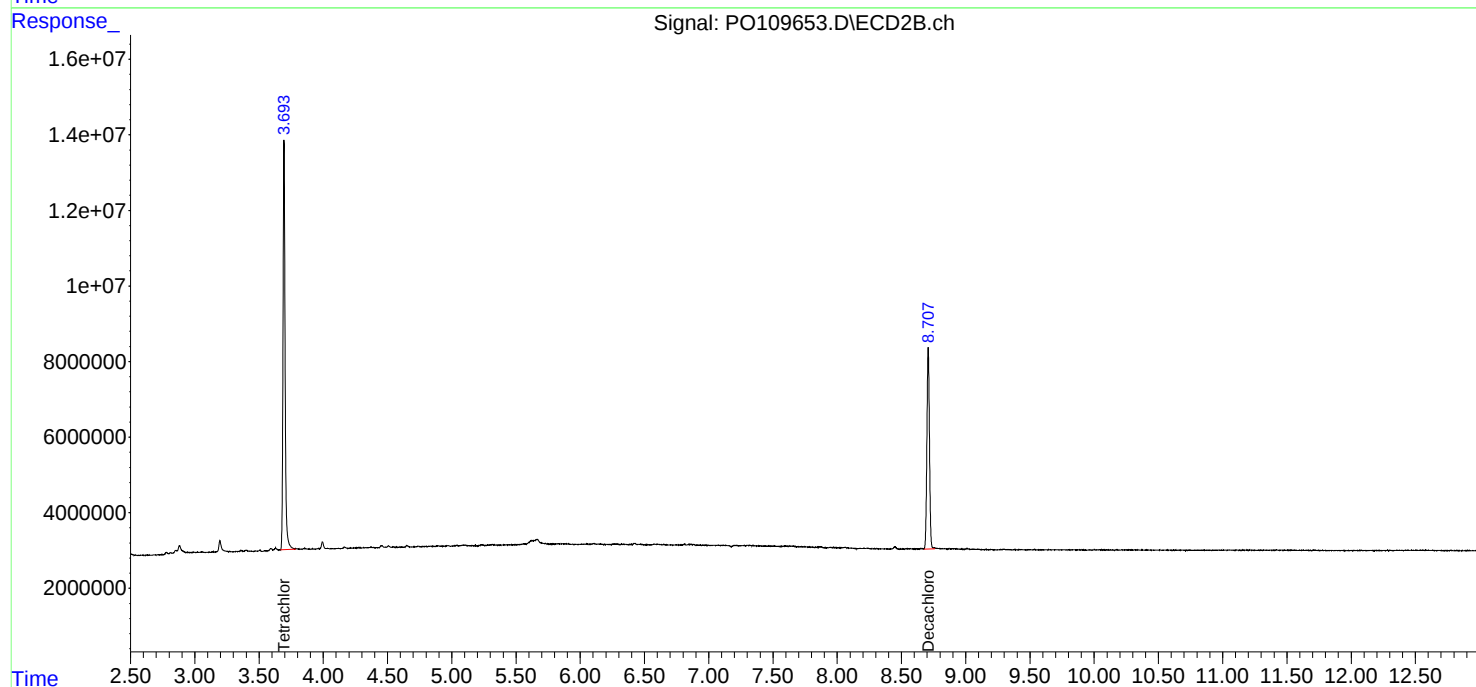
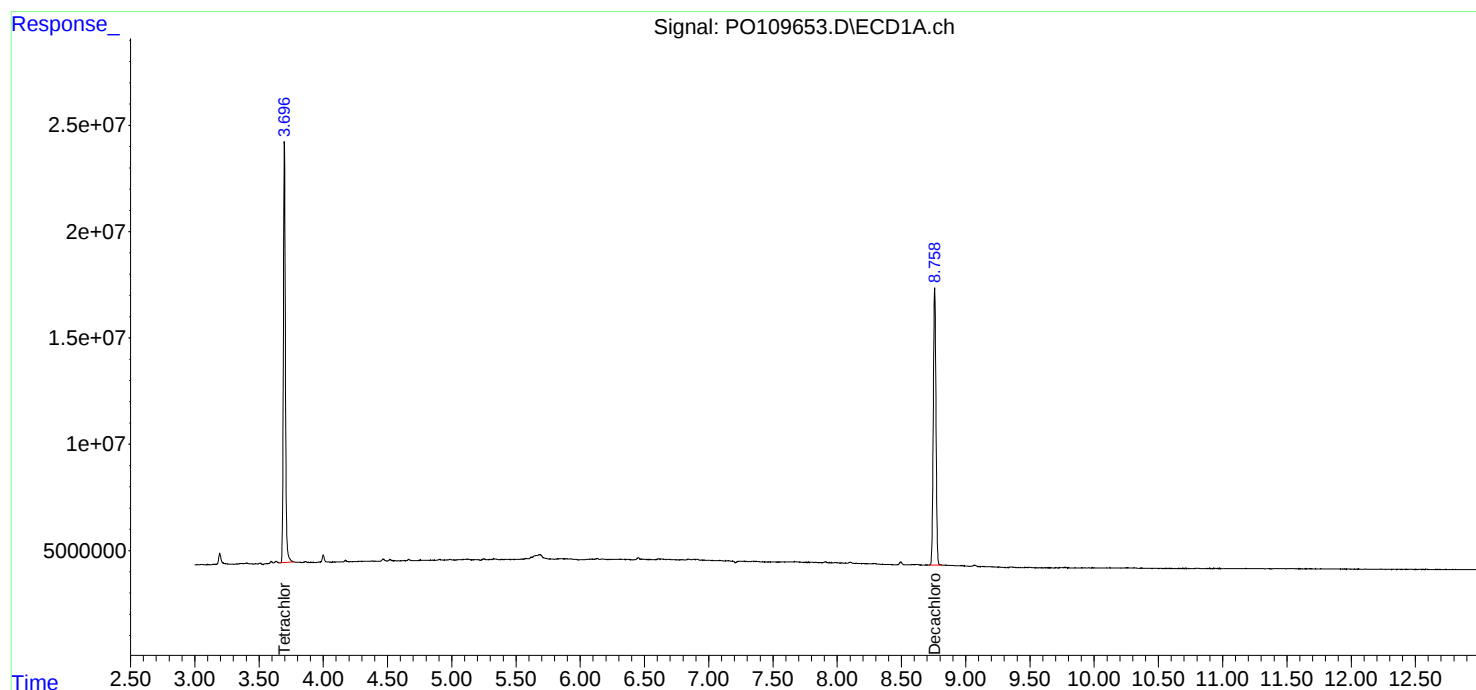
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

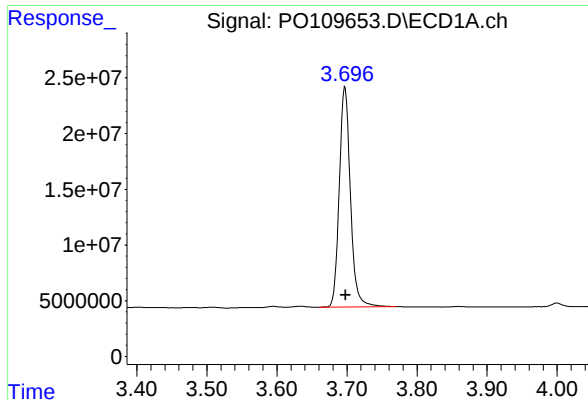
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109653.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 12:29  
Operator : YP/AJ  
Sample : PB167003BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB167003BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:42:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

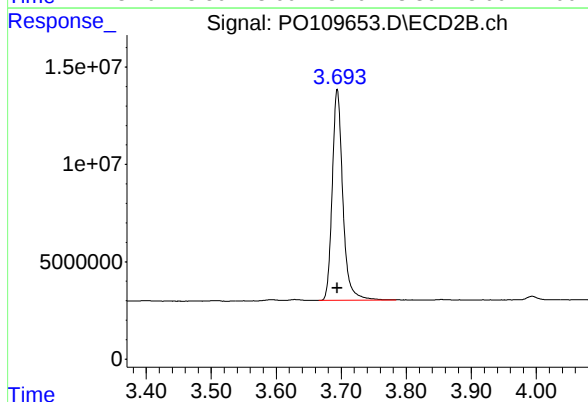




## #1 Tetrachloro-m-xylene

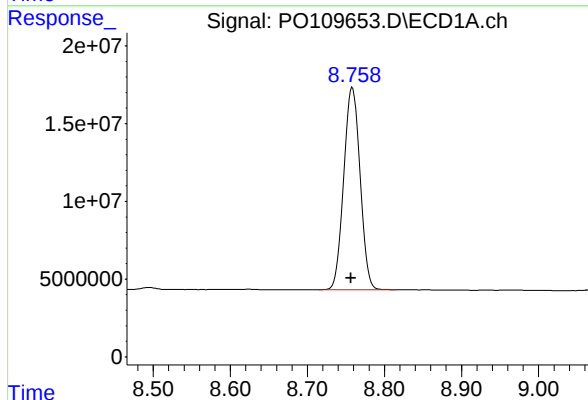
R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 217951061  
Conc: 23.03 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
PB167003BL



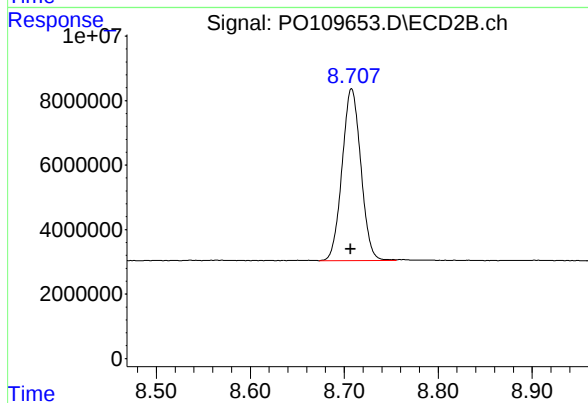
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 122729841  
Conc: 23.45 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: 0.002 min  
Response: 189767191  
Conc: 22.06 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.708 min  
Delta R.T.: 0.001 min  
Response: 73945705  
Conc: 23.22 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 02/20/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 02/20/25   |
| Client Sample ID:  | PIBLK-PO109425.D            | SDG No.:           | Q1498      |
| Lab Sample ID:     | I.BLK-PO109425.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 Group1 |
| GPC Factor :       | 1.0                         | Injection Volume : |            |
| Prep Method :      | 5030                        |                    |            |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109425.D        | 1         |           | 02/20/25      | PO022025      |

| 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 | 24.1  |           | 60 - 140 | 121%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 25.3  |           | 60 - 140 | 126%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
 Data File : PO109425.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2025 16:28  
 Operator : YP/AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 04:42:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 239.0E6 | 126.2E6  | 25.246 | 24.105 |
| 2) SA Decachlor...          | 8.755 | 8.707 | 217.3E6 | 81112838 | 25.266 | 25.473 |

Target Compounds

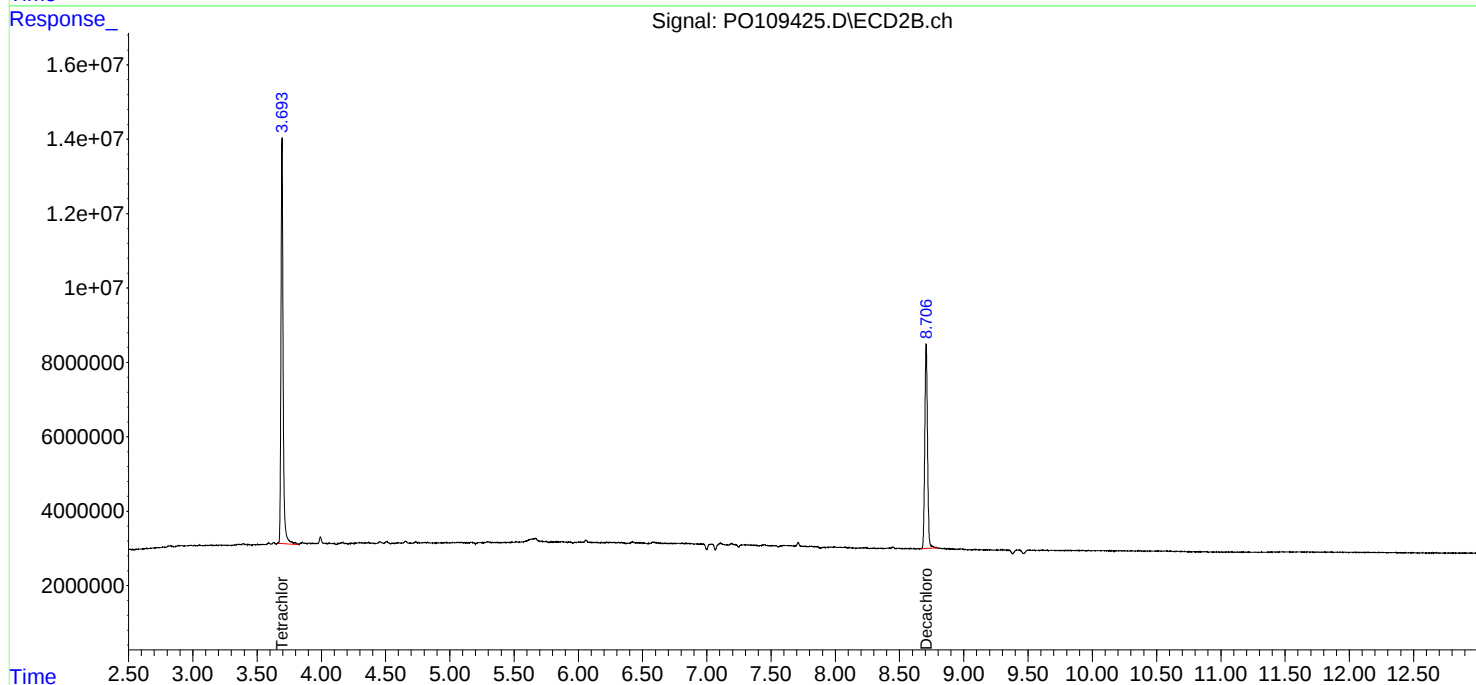
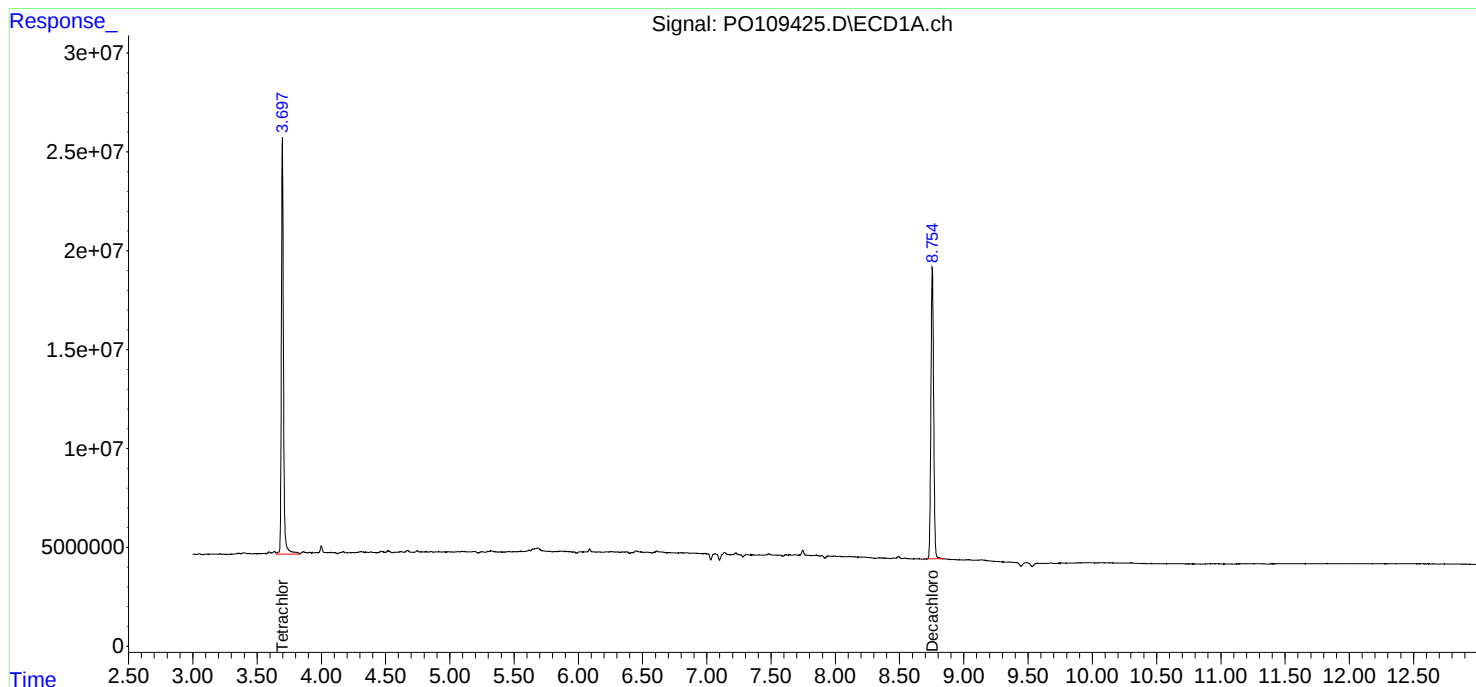
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

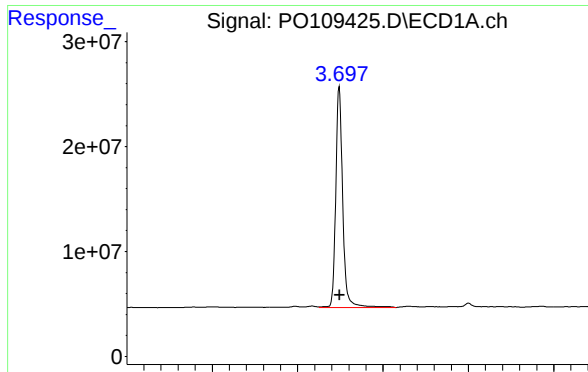
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO022025\  
Data File : PO109425.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2025 16:28  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 21 04:42:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

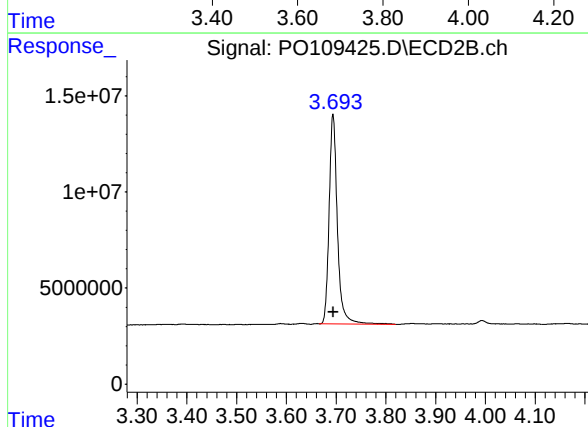




## #1 Tetrachloro-m-xylene

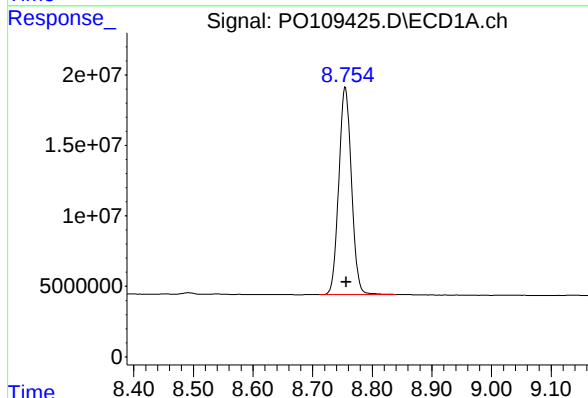
R.T.: 3.697 min  
Delta R.T.: 0.000 min  
Response: 238952889  
Conc: 25.25 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



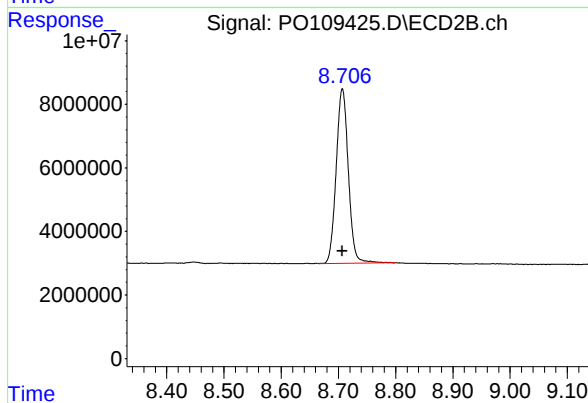
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 126170966  
Conc: 24.11 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.755 min  
Delta R.T.: -0.002 min  
Response: 217333363  
Conc: 25.27 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.707 min  
Delta R.T.: 0.000 min  
Response: 81112838  
Conc: 25.47 ng/ml

## Report of Analysis

|                    |                             |                    |            |
|--------------------|-----------------------------|--------------------|------------|
| Client:            | ATC Group Services LLC      | Date Collected:    | 03/06/25   |
| Project:           | P.S. 29 Queens - 2022SCA425 | Date Received:     | 03/06/25   |
| Client Sample ID:  | PIBLK-PO109652.D            | SDG No.:           | Q1498      |
| Lab Sample ID:     | I.BLK-PO109652.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 Group1 |
| GPC Factor :       | 1.0                         | Injection Volume : |            |
| Prep Method :      | 5030                        |                    |            |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109652.D        | 1         |           | 03/06/25      | PO030625      |

| 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 | 20.3  |           | 60 - 140 | 101%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 19.1  |           | 60 - 140 | 96%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109652.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 11:20  
 Operator : YP/AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 13:41:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.699 | 3.694 | 192.0E6 | 112.5E6  | 20.281 | 21.487 |
| 2) SA Decachlor...          | 8.758 | 8.708 | 164.4E6 | 65031994 | 19.111 | 20.423 |

Target Compounds

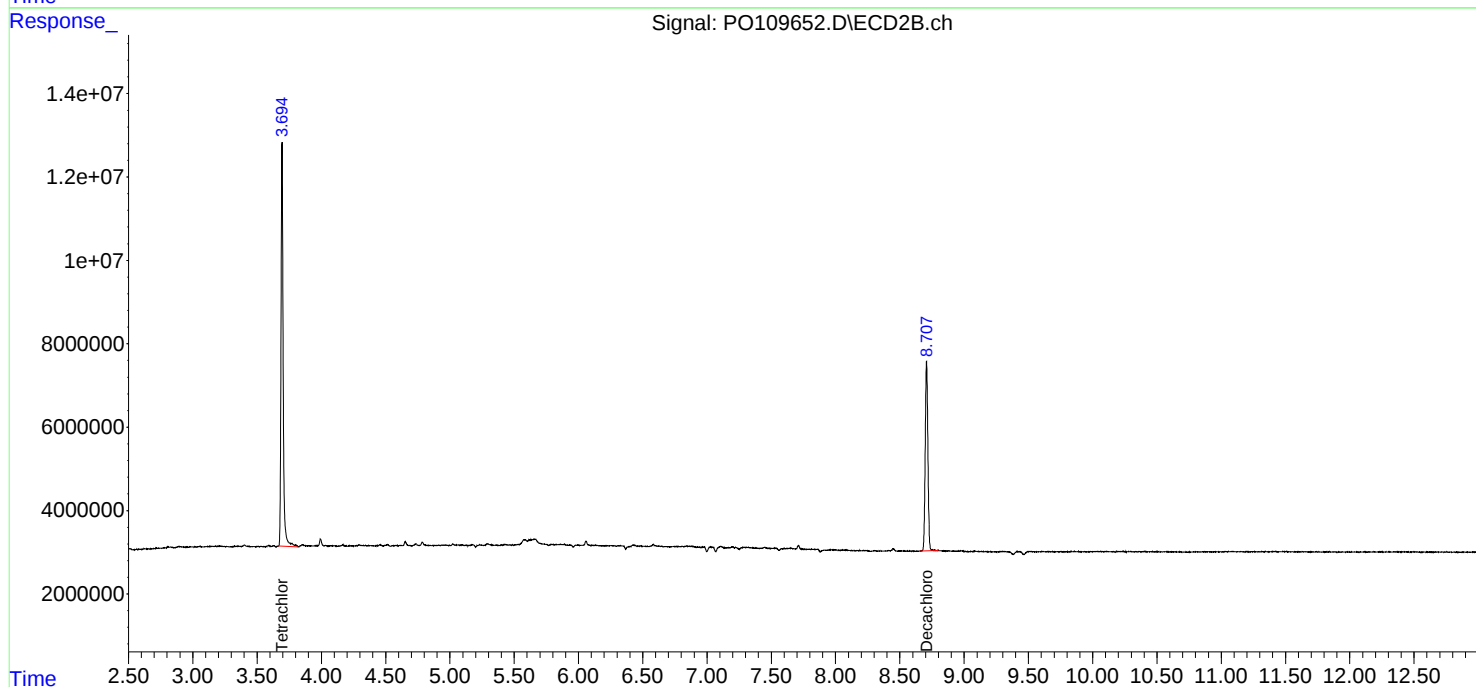
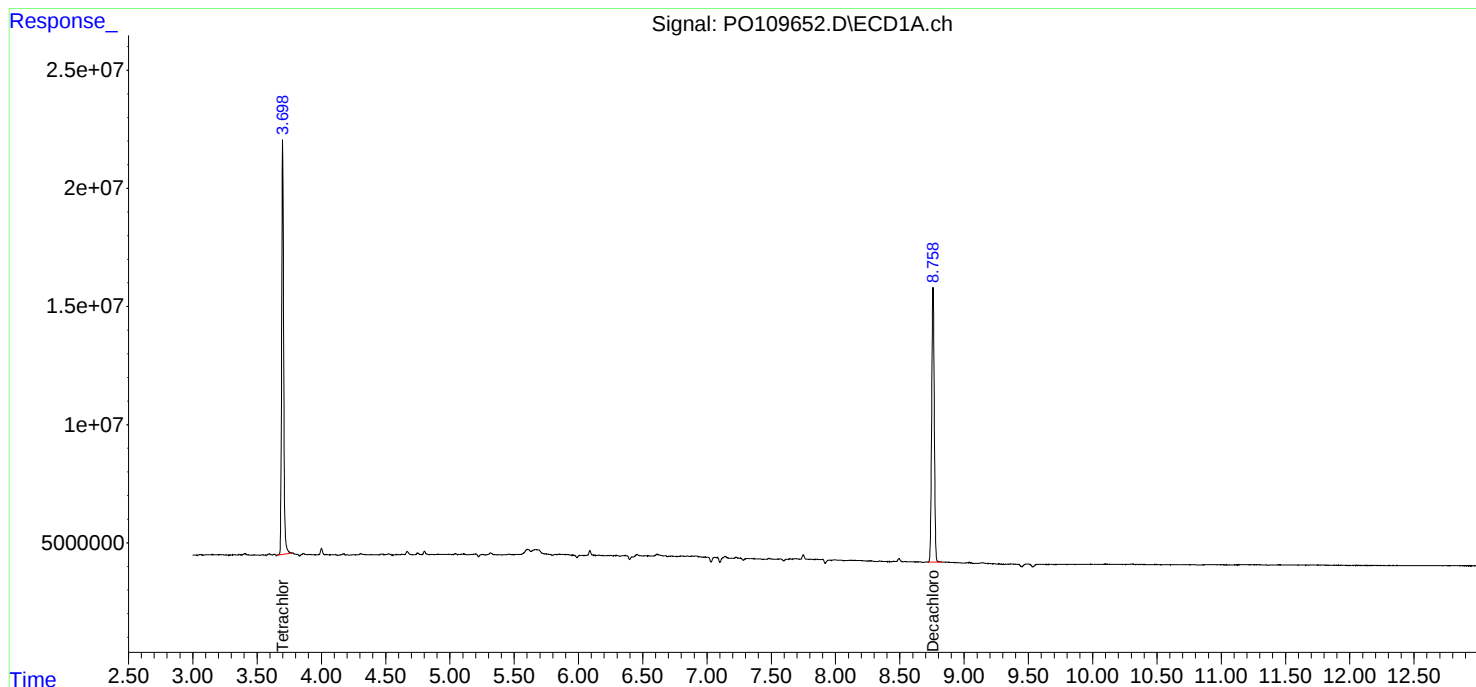
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

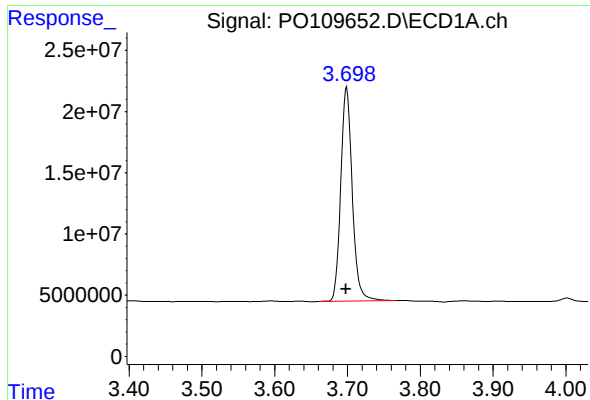
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109652.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 11:20  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:41:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

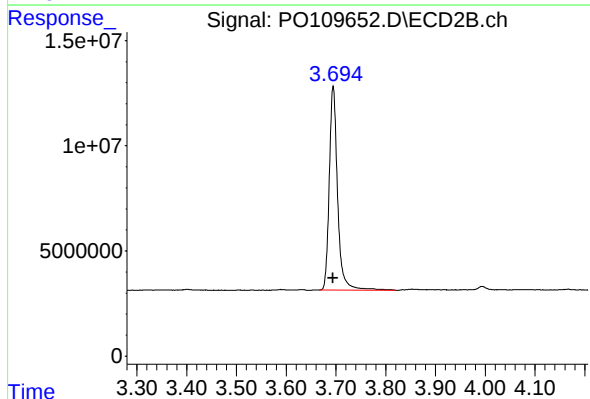




## #1 Tetrachloro-m-xylene

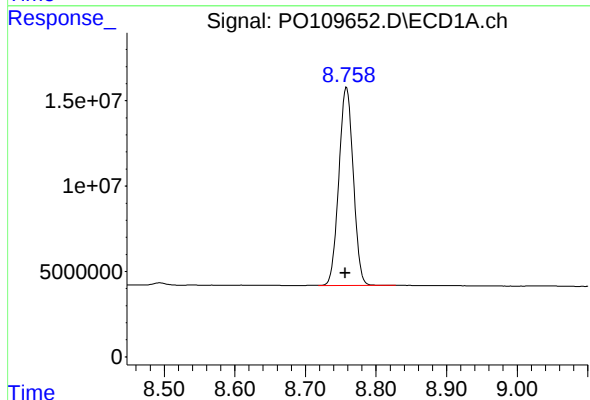
R.T.: 3.699 min  
Delta R.T.: 0.000 min  
Response: 191958461  
Conc: 20.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



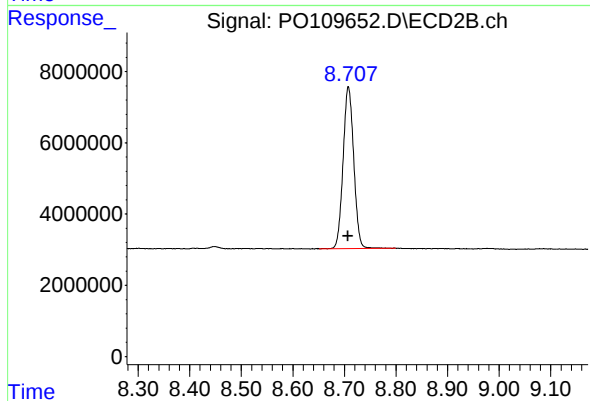
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 112468016  
Conc: 21.49 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.758 min  
Delta R.T.: 0.002 min  
Response: 164392919  
Conc: 19.11 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.708 min  
Delta R.T.: 0.000 min  
Response: 65031994  
Conc: 20.42 ng/ml

## Report of Analysis

|                    |                             |           |                    |            |           |
|--------------------|-----------------------------|-----------|--------------------|------------|-----------|
| Client:            | ATC Group Services LLC      |           | Date Collected:    | 03/06/25   |           |
| Project:           | P.S. 29 Queens - 2022SCA425 |           | Date Received:     | 03/06/25   |           |
| Client Sample ID:  | PIBLK-PO109666.D            |           | SDG No.:           | Q1498      |           |
| Lab Sample ID:     | I.BLK-PO109666.D            |           | Matrix:            | WATER      |           |
| Analytical Method: | SW8082A                     |           | % Solid:           | 0          | Decanted: |
| Sample Wt/Vol:     | 1000                        | Units: mL | Final Vol:         | 10000      | uL        |
| Soil Aliquot Vol:  |                             | uL        | Test:              | PCB Group1 |           |
| Extraction Type:   |                             |           | Injection Volume : |            |           |
| GPC Factor :       | 1.0                         | PH :      |                    |            |           |
| Prep Method :      | 5030                        |           |                    |            |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109666.D        | 1         |           | 03/06/25      | PO030625      |

| 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 | 17.7  |           | 60 - 140 | 89%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 16.1  |           | 60 - 140 | 80%        | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109666.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 18:01  
 Operator : YP/AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 07 00:10:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-------|-------|---------|----------|--------|--------|
| -----                       |       |       |         |          |        |        |
| System Monitoring Compounds |       |       |         |          |        |        |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 167.8E6 | 99000704 | 17.726 | 18.914 |
| 2) SA Decachlor...          | 8.756 | 8.707 | 138.1E6 | 56757931 | 16.051 | 17.825 |

Target Compounds

-----

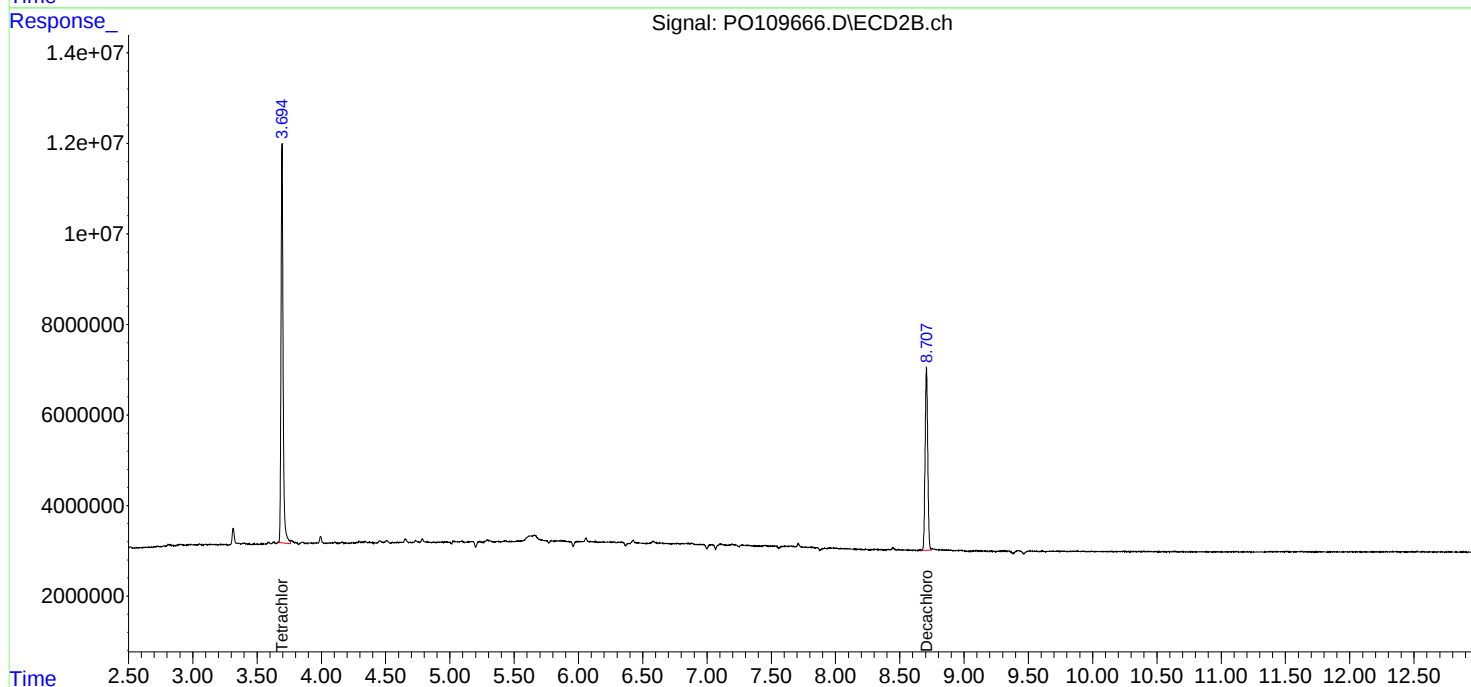
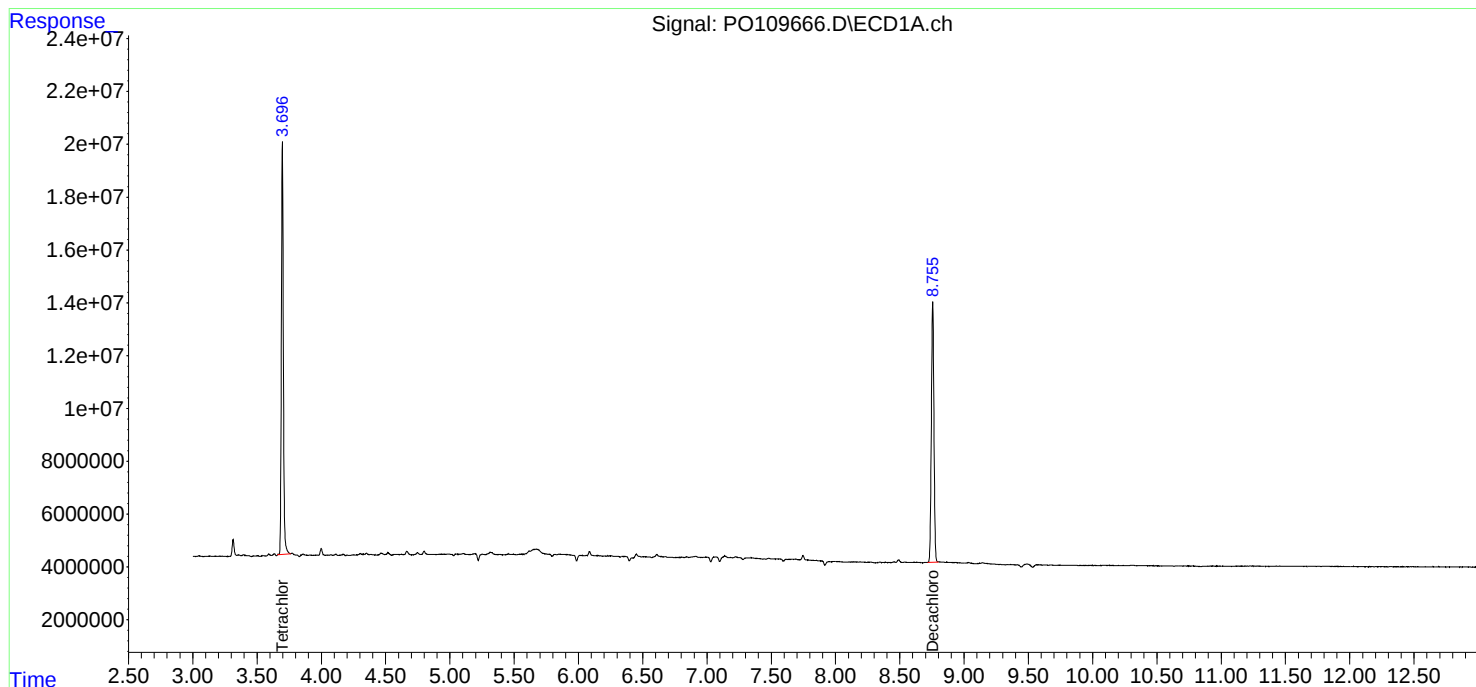
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

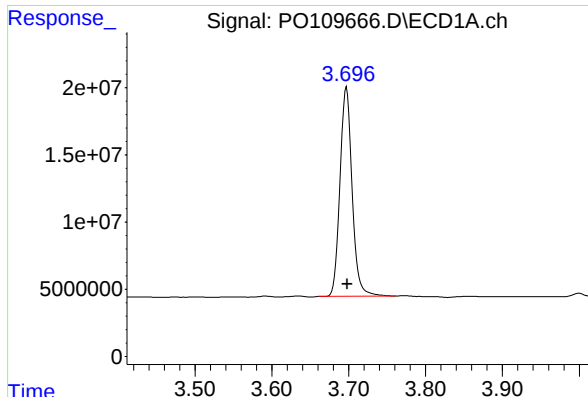
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109666.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 18:01  
Operator : YP/AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 07 00:10:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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

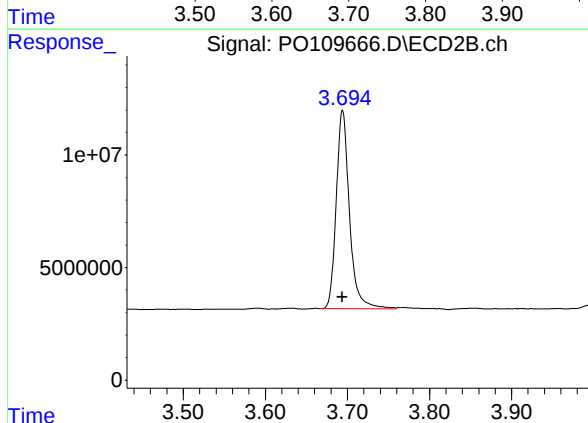




## #1 Tetrachloro-m-xylene

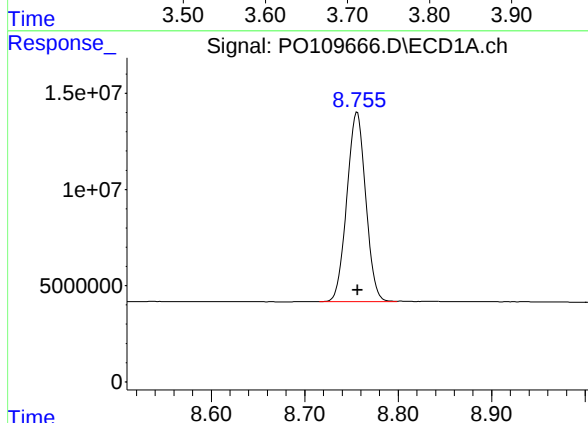
R.T.: 3.697 min  
Delta R.T.: -0.001 min  
Response: 167776036  
Conc: 17.73 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
I.BLK



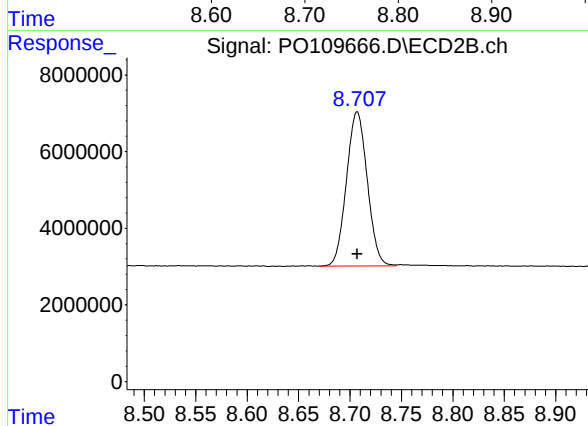
## #1 Tetrachloro-m-xylene

R.T.: 3.694 min  
Delta R.T.: 0.000 min  
Response: 99000704  
Conc: 18.91 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.756 min  
Delta R.T.: 0.000 min  
Response: 138067257  
Conc: 16.05 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.707 min  
Delta R.T.: 0.000 min  
Response: 56757931  
Conc: 17.82 ng/ml

## Report of Analysis

|                    |                             |          |                    |            |           |
|--------------------|-----------------------------|----------|--------------------|------------|-----------|
| Client:            | ATC Group Services LLC      |          | Date Collected:    |            |           |
| Project:           | P.S. 29 Queens - 2022SCA425 |          | Date Received:     |            |           |
| Client Sample ID:  | PB167003BS                  |          | SDG No.:           | Q1498      |           |
| Lab Sample ID:     | PB167003BS                  |          | Matrix:            | SOIL       |           |
| Analytical Method: | SW8082A                     |          | % Solid:           | 100        | Decanted: |
| Sample Wt/Vol:     | 30.01                       | Units: g | Final Vol:         | 10000      | uL        |
| Soil Aliquot Vol:  |                             | uL       | Test:              | PCB Group1 |           |
| Extraction Type:   |                             |          | Injection Volume : |            |           |
| GPC Factor :       | 1.0                         | PH :     |                    |            |           |
| Prep Method :      | SW3541B                     |          |                    |            |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109654.D        | 1         | 03/06/25 08:23 | 03/06/25 12:47 | PB167003      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |          |            |                   |
| 12674-11-2        | Aroclor-1016         | 173   |           | 3.40     | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 6.40  | U         | 6.40     | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 7.90  | U         | 7.90     | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 2.70  | U         | 2.70     | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 4.60  | U         | 4.60     | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.40  | U         | 3.40     | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 170   |           | 2.90     | 17.0       | ug/kg             |
| Total PCBs        | Total PCBs           | 343   |           | 6.30     | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |          |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 23.5  |           | 32 - 144 | 118%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 24.3  |           | 32 - 175 | 121%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0030625\  
 Data File : P0109654.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Mar 2025 12:47  
 Operator : YP/AJ  
 Sample : PB167003BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 PB167003BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 06 13:43:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|----------|---------|---------|
| -----                       |       |       |         |          |         |         |
| System Monitoring Compounds |       |       |         |          |         |         |
| 1) SA Tetrachlo...          | 3.697 | 3.694 | 220.3E6 | 123.0E6  | 23.279  | 23.506  |
| 2) SA Decachlor...          | 8.758 | 8.707 | 200.8E6 | 77213430 | 23.345  | 24.248  |
| Target Compounds            |       |       |         |          |         |         |
| 3) L1 AR-1016-1             | 4.791 | 4.778 | 155.5E6 | 82036092 | 504.302 | 525.298 |
| 4) L1 AR-1016-2             | 4.810 | 4.797 | 215.7E6 | 116.0E6  | 512.423 | 535.859 |
| 5) L1 AR-1016-3             | 4.867 | 4.973 | 149.2E6 | 63418418 | 504.501 | 530.915 |
| 6) L1 AR-1016-4             | 4.987 | 5.015 | 118.0E6 | 52328591 | 509.241 | 502.818 |
| 7) L1 AR-1016-5             | 5.245 | 5.228 | 124.7E6 | 68054428 | 482.924 | 499.469 |
| 31) L7 AR-1260-1            | 6.288 | 6.261 | 240.7E6 | 125.4E6  | 516.373 | 529.359 |
| 32) L7 AR-1260-2            | 6.477 | 6.449 | 291.9E6 | 147.0E6  | 516.615 | 534.375 |
| 33) L7 AR-1260-3            | 6.845 | 6.602 | 212.7E6 | 137.4E6  | 447.117 | 538.528 |
| 34) L7 AR-1260-4            | 7.105 | 7.074 | 197.9E6 | 96612440 | 458.618 | 468.555 |
| 35) L7 AR-1260-5            | 7.347 | 7.315 | 466.2E6 | 216.8E6  | 469.087 | 484.234 |
| -----                       |       |       |         |          |         |         |

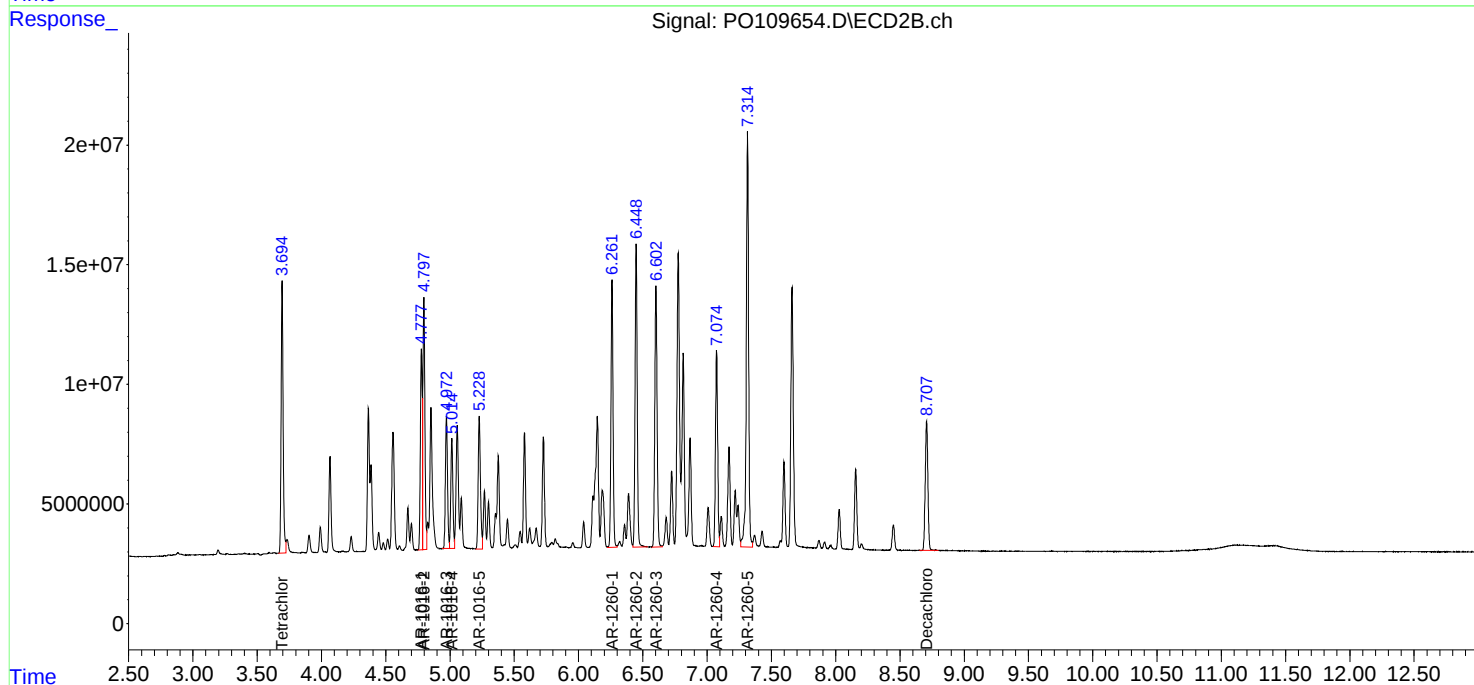
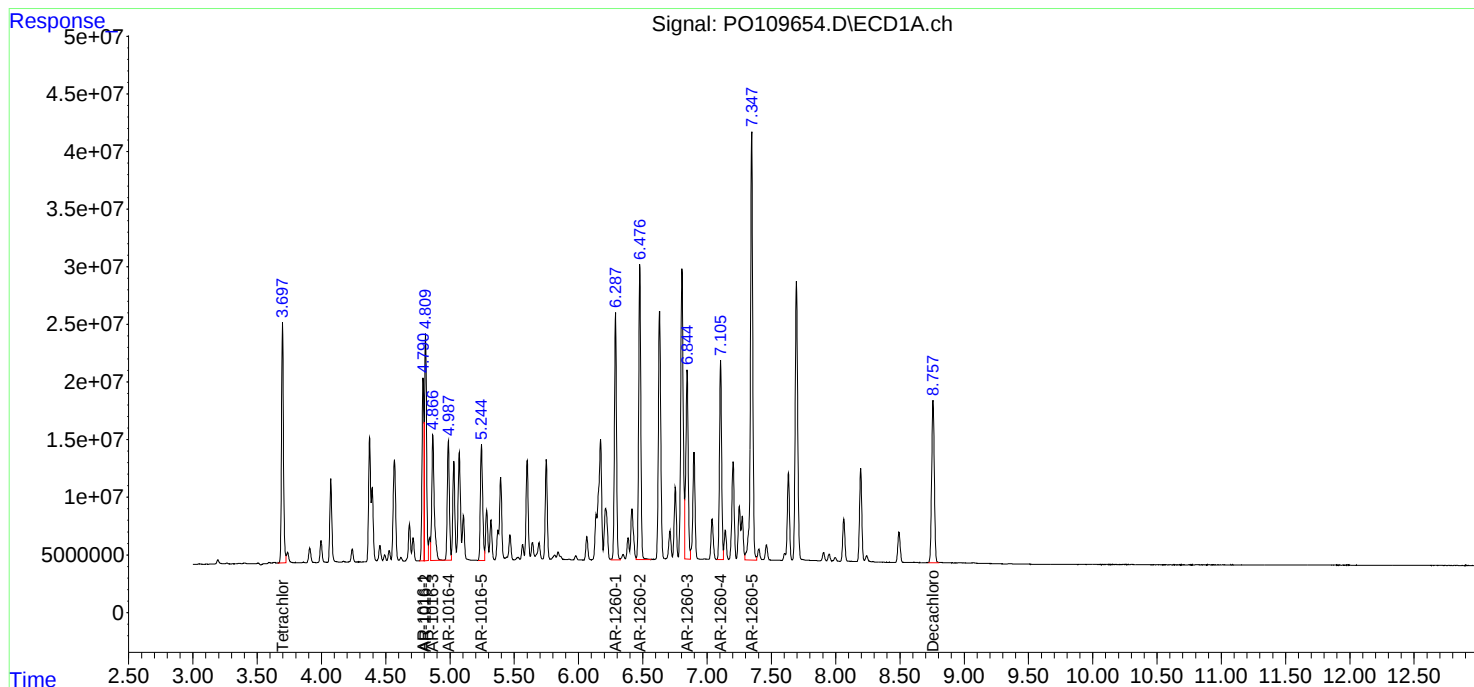
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO030625\  
Data File : PO109654.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Mar 2025 12:47  
Operator : YP/AJ  
Sample : PB167003BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
PB167003BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 06 13:43:09 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 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



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO022025 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|--------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1242ICC050 | PO109437.D | AR-1242-5    | yogesh    | 2/21/2025 8:09:35 AM | Ankita        | 2/21/2025 9:30:25 | Peak Integrated by Software |
| AR1242ICC050 | PO109437.D | AR-1242-5 #2 | yogesh    | 2/21/2025 8:09:35 AM | Ankita        | 2/21/2025 9:30:25 | Peak Integrated by Software |
| AR1248ICC050 | PO109442.D | AR-1248-4    | yogesh    | 2/21/2025 8:09:37 AM | Ankita        | 2/21/2025 9:30:26 | Peak Integrated by Software |
| AR1248ICC050 | PO109442.D | AR-1248-4 #2 | yogesh    | 2/21/2025 8:09:37 AM | Ankita        | 2/21/2025 9:30:26 | Peak Integrated by Software |
| AR1248ICC050 | PO109442.D | AR-1248-5    | yogesh    | 2/21/2025 8:09:37 AM | Ankita        | 2/21/2025 9:30:26 | Peak Integrated by Software |
| AR1248ICC050 | PO109442.D | AR-1248-5 #2 | yogesh    | 2/21/2025 8:09:37 AM | Ankita        | 2/21/2025 9:30:26 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-1    | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-1 #2 | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-2    | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-2 #2 | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-3    | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-3 #2 | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | AR-1254-4    | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PO022025

Instrument

ECD\_o

| Sample ID    | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1254ICC050 | PO109447.D | AR-1254-4 #2         | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |
| AR1254ICC050 | PO109447.D | Tetrachloro-m-xylene | yogesh    | 2/21/2025 8:09:39 AM | Ankita        | 2/21/2025 9:30:28 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO030625 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter               | Review By | Review On           | Supervised By | Supervised On    | Reason                      |
|--------------|------------|-------------------------|-----------|---------------------|---------------|------------------|-----------------------------|
| AR1660CCC500 | PO109648.D | AR-1016-5               | yogesh    | 3/7/2025 7:30:27 AM | mohammad      | 3/8/2025 4:30:17 | Peak Integrated by Software |
| AR1660CCC500 | PO109648.D | AR-1016-5 #2            | yogesh    | 3/7/2025 7:30:27 AM | mohammad      | 3/8/2025 4:30:17 | Peak Integrated by Software |
| Q1498-01     | PO109655.D | Decachlorobiphenyl #2   | yogesh    | 3/7/2025 7:30:29 AM | mohammad      | 3/8/2025 4:30:19 | Peak Integrated by Software |
| Q1498-01     | PO109655.D | Tetrachloro-m-xylene    | yogesh    | 3/7/2025 7:30:29 AM | mohammad      | 3/8/2025 4:30:19 | Peak Integrated by Software |
| Q1498-01     | PO109655.D | Tetrachloro-m-xylene #2 | yogesh    | 3/7/2025 7:30:29 AM | mohammad      | 3/8/2025 4:30:19 | Peak Integrated by Software |
| Q1498-02     | PO109656.D | Decachlorobiphenyl      | yogesh    | 3/7/2025 7:30:30 AM | mohammad      | 3/8/2025 4:30:21 | Peak Integrated by Software |
| Q1498-02     | PO109656.D | Decachlorobiphenyl #2   | yogesh    | 3/7/2025 7:30:30 AM | mohammad      | 3/8/2025 4:30:21 | Peak Integrated by Software |
| Q1498-02     | PO109656.D | Tetrachloro-m-xylene    | yogesh    | 3/7/2025 7:30:30 AM | mohammad      | 3/8/2025 4:30:21 | Peak Integrated by Software |
| Q1498-02     | PO109656.D | Tetrachloro-m-xylene #2 | yogesh    | 3/7/2025 7:30:30 AM | mohammad      | 3/8/2025 4:30:21 | Peak Integrated by Software |
| Q1498-04     | PO109658.D | Decachlorobiphenyl      | yogesh    | 3/7/2025 7:30:32 AM | mohammad      | 3/8/2025 4:30:24 | Peak Integrated by Software |
| Q1498-04     | PO109658.D | Decachlorobiphenyl #2   | yogesh    | 3/7/2025 7:30:32 AM | mohammad      | 3/8/2025 4:30:24 | Peak Integrated by Software |
| Q1498-07     | PO109661.D | Decachlorobiphenyl      | yogesh    | 3/7/2025 7:30:34 AM | mohammad      | 3/8/2025 4:30:26 | Peak Integrated by Software |
| Q1498-07     | PO109661.D | Decachlorobiphenyl #2   | yogesh    | 3/7/2025 7:30:34 AM | mohammad      | 3/8/2025 4:30:26 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PO030625

Instrument

ECD\_o

| Sample ID    | File ID    | Parameter    | Review By | Review On           | Supervised By | Supervised On    | Reason                      |
|--------------|------------|--------------|-----------|---------------------|---------------|------------------|-----------------------------|
| AR1660CCC500 | PO109662.D | AR-1016-5    | yogesh    | 3/7/2025 7:30:36 AM | mohammad      | 3/8/2025 4:30:28 | Peak Integrated by Software |
| AR1660CCC500 | PO109662.D | AR-1016-5 #2 | yogesh    | 3/7/2025 7:30:36 AM | mohammad      | 3/8/2025 4:30:28 | Peak Integrated by Software |
| AR1660CCC500 | PO109677.D | AR-1016-5    | yogesh    | 3/7/2025 7:30:43 AM | mohammad      | 3/8/2025 4:30:39 | Peak Integrated by Software |
| AR1660CCC500 | PO109677.D | AR-1016-5 #2 | yogesh    | 3/7/2025 7:30:43 AM | mohammad      | 3/8/2025 4:30:39 | Peak Integrated by Software |
| AR1660CCC500 | PO109692.D | AR-1016-5    | yogesh    | 3/7/2025 7:30:54 AM | mohammad      | 3/8/2025 4:30:58 | Peak Integrated by Software |
| AR1660CCC500 | PO109692.D | AR-1016-5 #2 | yogesh    | 3/7/2025 7:30:54 AM | mohammad      | 3/8/2025 4:30:58 | Peak Integrated by Software |
| AR1254CCC500 | PO109695.D | AR-1254-1 #2 | yogesh    | 3/7/2025 7:30:56 AM | mohammad      | 3/8/2025 4:31:01 | Peak Integrated by Software |
| AR1254CCC500 | PO109695.D | AR-1254-2 #2 | yogesh    | 3/7/2025 7:30:56 AM | mohammad      | 3/8/2025 4:31:01 | Peak Integrated by Software |
| AR1254CCC500 | PO109695.D | AR-1254-3 #2 | yogesh    | 3/7/2025 7:30:56 AM | mohammad      | 3/8/2025 4:31:01 | Peak Integrated by Software |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO022025**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 2/21/2025 8:09:53 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 2/21/2025 9:30:37 AM          |
| SubDirectory             | PO022025                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| <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        | PO109424.D     | 20 Feb 2025 16:09 | YP/AJ    | Ok     |
| 2   | I.BLK         | PO109425.D     | 20 Feb 2025 16:28 | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | PO109426.D     | 20 Feb 2025 16:46 | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | PO109427.D     | 20 Feb 2025 17:04 | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | PO109428.D     | 20 Feb 2025 17:23 | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | PO109429.D     | 20 Feb 2025 17:41 | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | PO109430.D     | 20 Feb 2025 17:59 | YP/AJ    | Ok     |
| 8   | AR1221ICC500  | PO109431.D     | 20 Feb 2025 18:18 | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | PO109432.D     | 20 Feb 2025 18:36 | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | PO109433.D     | 20 Feb 2025 18:55 | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | PO109434.D     | 20 Feb 2025 19:13 | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | PO109435.D     | 20 Feb 2025 19:31 | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | PO109436.D     | 20 Feb 2025 19:50 | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | PO109437.D     | 20 Feb 2025 20:08 | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | PO109438.D     | 20 Feb 2025 20:26 | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | PO109439.D     | 20 Feb 2025 20:45 | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | PO109440.D     | 20 Feb 2025 21:03 | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | PO109441.D     | 20 Feb 2025 21:21 | YP/AJ    | Ok     |
| 19  | AR1248ICC050  | PO109442.D     | 20 Feb 2025 21:40 | YP/AJ    | Ok,M   |
| 20  | AR1254ICC1000 | PO109443.D     | 20 Feb 2025 21:58 | YP/AJ    | Ok     |
| 21  | AR1254ICC750  | PO109444.D     | 20 Feb 2025 22:17 | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO022025**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 2/21/2025 8:09:53 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                          | Supervise On      | 2/21/2025 9:30:37 AM          |
| SubDirectory             | PO022025                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |                |            |                   |       |      |
|----|----------------|------------|-------------------|-------|------|
| 22 | AR1254ICC500   | PO109445.D | 20 Feb 2025 22:35 | YP/AJ | Ok   |
| 23 | AR1254ICC250   | PO109446.D | 20 Feb 2025 22:53 | YP/AJ | Ok   |
| 24 | AR1254ICC050   | PO109447.D | 20 Feb 2025 23:12 | YP/AJ | Ok,M |
| 25 | AR1262ICC500   | PO109448.D | 20 Feb 2025 23:30 | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | PO109449.D | 20 Feb 2025 23:48 | YP/AJ | Ok   |
| 27 | AR1268ICC750   | PO109450.D | 21 Feb 2025 00:07 | YP/AJ | Ok   |
| 28 | AR1268ICC500   | PO109451.D | 21 Feb 2025 00:25 | YP/AJ | Ok   |
| 29 | AR1268ICC250   | PO109452.D | 21 Feb 2025 00:43 | YP/AJ | Ok   |
| 30 | AR1268ICC050   | PO109453.D | 21 Feb 2025 01:02 | YP/AJ | Ok   |
| 31 | PO022025ICV500 | PO109454.D | 21 Feb 2025 01:20 | YP/AJ | Ok   |
| 32 | AR1242ICV500   | PO109455.D | 21 Feb 2025 01:38 | YP/AJ | Ok   |
| 33 | AR1248ICV500   | PO109456.D | 21 Feb 2025 01:57 | YP/AJ | Ok   |
| 34 | AR1254ICV500   | PO109457.D | 21 Feb 2025 02:15 | YP/AJ | Ok   |
| 35 | AR1268ICV500   | PO109458.D | 21 Feb 2025 02:34 | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/6/2025 10:53:50 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory             | PO030625                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| <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       | PO109647.D     | 06 Mar 2025 09:28 | YP/AJ    | Ok     |
| 2   | AR1660CCC500 | PO109648.D     | 06 Mar 2025 10:05 | YP/AJ    | Ok,M   |
| 3   | AR1242CCC500 | PO109649.D     | 06 Mar 2025 10:24 | YP/AJ    | Ok     |
| 4   | AR1248CCC500 | PO109650.D     | 06 Mar 2025 10:42 | YP/AJ    | Ok     |
| 5   | AR1254CCC500 | PO109651.D     | 06 Mar 2025 11:00 | YP/AJ    | Ok     |
| 6   | I.BLK        | PO109652.D     | 06 Mar 2025 11:20 | YP/AJ    | Ok     |
| 7   | PB167003BL   | PO109653.D     | 06 Mar 2025 12:29 | YP/AJ    | Ok     |
| 8   | PB167003BS   | PO109654.D     | 06 Mar 2025 12:47 | YP/AJ    | Ok     |
| 9   | Q1498-01     | PO109655.D     | 06 Mar 2025 13:06 | YP/AJ    | Ok,M   |
| 10  | Q1498-02     | PO109656.D     | 06 Mar 2025 13:24 | YP/AJ    | Ok,M   |
| 11  | Q1498-03     | PO109657.D     | 06 Mar 2025 13:43 | YP/AJ    | Ok     |
| 12  | Q1498-04     | PO109658.D     | 06 Mar 2025 14:01 | YP/AJ    | Ok,M   |
| 13  | Q1498-05     | PO109659.D     | 06 Mar 2025 14:20 | YP/AJ    | Ok     |
| 14  | Q1498-06     | PO109660.D     | 06 Mar 2025 14:37 | YP/AJ    | Ok     |
| 15  | Q1498-07     | PO109661.D     | 06 Mar 2025 14:55 | YP/AJ    | Ok,M   |
| 16  | AR1660CCC500 | PO109662.D     | 06 Mar 2025 16:11 | YP/AJ    | Ok,M   |
| 17  | AR1242CCC500 | PO109663.D     | 06 Mar 2025 16:47 | YP/AJ    | Ok     |
| 18  | AR1248CCC500 | PO109664.D     | 06 Mar 2025 17:06 | YP/AJ    | Ok     |
| 19  | AR1254CCC500 | PO109665.D     | 06 Mar 2025 17:24 | YP/AJ    | Ok     |
| 20  | I.BLK        | PO109666.D     | 06 Mar 2025 18:01 | YP/AJ    | Ok     |
| 21  | PB167009BL   | PO109667.D     | 06 Mar 2025 18:19 | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/6/2025 10:53:50 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory             | PO030625                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| 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 | PB167009BS   | PO109668.D | 06 Mar 2025 18:38 | YP/AJ | Ok       |
| 23 | PB167009BSD  | PO109669.D | 06 Mar 2025 18:56 | YP/AJ | Ok       |
| 24 | Q1488-13     | PO109670.D | 06 Mar 2025 19:15 | YP/AJ | Ok       |
| 25 | Q1488-14     | PO109671.D | 06 Mar 2025 19:33 | YP/AJ | Ok       |
| 26 | Q1494-01     | PO109672.D | 06 Mar 2025 19:51 | YP/AJ | Ok       |
| 27 | Q1437-07     | PO109673.D | 06 Mar 2025 20:10 | YP/AJ | Dilution |
| 28 | Q1437-10     | PO109674.D | 06 Mar 2025 20:28 | YP/AJ | Ok,M     |
| 29 | Q1438-03     | PO109675.D | 06 Mar 2025 20:47 | YP/AJ | Dilution |
| 30 | Q1438-05     | PO109676.D | 06 Mar 2025 21:04 | YP/AJ | Dilution |
| 31 | AR1660CCC500 | PO109677.D | 06 Mar 2025 22:19 | YP/AJ | Ok,M     |
| 32 | AR1242CCC500 | PO109678.D | 06 Mar 2025 22:56 | YP/AJ | Ok       |
| 33 | AR1248CCC500 | PO109679.D | 06 Mar 2025 23:14 | YP/AJ | Ok       |
| 34 | AR1254CCC500 | PO109680.D | 06 Mar 2025 23:33 | YP/AJ | Ok       |
| 35 | I.BLK        | PO109681.D | 07 Mar 2025 00:09 | YP/AJ | Ok       |
| 36 | PB167022BL   | PO109682.D | 07 Mar 2025 00:28 | YP/AJ | Ok       |
| 37 | PB167022BS   | PO109683.D | 07 Mar 2025 00:46 | YP/AJ | Ok       |
| 38 | Q1433-03     | PO109684.D | 07 Mar 2025 01:05 | YP/AJ | Ok,M     |
| 39 | Q1433-06     | PO109685.D | 07 Mar 2025 01:23 | YP/AJ | Dilution |
| 40 | Q1433-09     | PO109686.D | 07 Mar 2025 01:41 | YP/AJ | Dilution |
| 41 | Q1434-02     | PO109687.D | 07 Mar 2025 02:00 | YP/AJ | Dilution |
| 42 | Q1434-02MS   | PO109688.D | 07 Mar 2025 02:18 | YP/AJ | Ok,M     |
| 43 | Q1434-02MSD  | PO109689.D | 07 Mar 2025 02:37 | YP/AJ | Ok,M     |
| 44 | Q1434-05     | PO109690.D | 07 Mar 2025 02:55 | YP/AJ | Dilution |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/6/2025 10:53:50 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory             | PO030625                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |          |
|----|--------------|------------|-------------------|-------|----------|
| 45 | Q1434-07     | PO109691.D | 07 Mar 2025 03:13 | YP/AJ | Dilution |
| 46 | AR1660CCC500 | PO109692.D | 07 Mar 2025 04:29 | YP/AJ | Ok,M     |
| 47 | AR1242CCC500 | PO109693.D | 07 Mar 2025 05:05 | YP/AJ | Ok       |
| 48 | AR1248CCC500 | PO109694.D | 07 Mar 2025 05:24 | YP/AJ | Ok       |
| 49 | AR1254CCC500 | PO109695.D | 07 Mar 2025 05:42 | YP/AJ | Ok,M     |
| 50 | I.BLK        | PO109696.D | 07 Mar 2025 06:19 | YP/AJ | Ok       |

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO022025**

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 2/21/2025 8:09:53 AM          |
| Supervise By | Ankita   | Supervise On      | 2/21/2025 9:30:37 AM          |
| SubDirectory | PO022025 | HP Acquire Method | HP Processing Method PO022025 |

| 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        | PO109424.D     | 20 Feb 2025 16:09 |         | YP/AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PO109425.D     | 20 Feb 2025 16:28 |         | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PO109426.D     | 20 Feb 2025 16:46 |         | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | AR1660ICC750  | PO109427.D     | 20 Feb 2025 17:04 |         | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | AR1660ICC500  | PO109428.D     | 20 Feb 2025 17:23 |         | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PO109429.D     | 20 Feb 2025 17:41 |         | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | AR1660ICC050  | PO109430.D     | 20 Feb 2025 17:59 |         | YP/AJ    | Ok     |
| 8   | AR1221ICC500  | AR1221ICC500  | PO109431.D     | 20 Feb 2025 18:18 |         | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | AR1232ICC500  | PO109432.D     | 20 Feb 2025 18:36 |         | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | AR1242ICC1000 | PO109433.D     | 20 Feb 2025 18:55 |         | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | AR1242ICC750  | PO109434.D     | 20 Feb 2025 19:13 |         | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | AR1242ICC500  | PO109435.D     | 20 Feb 2025 19:31 |         | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | AR1242ICC250  | PO109436.D     | 20 Feb 2025 19:50 |         | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | AR1242ICC050  | PO109437.D     | 20 Feb 2025 20:08 |         | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | AR1248ICC1000 | PO109438.D     | 20 Feb 2025 20:26 |         | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | AR1248ICC750  | PO109439.D     | 20 Feb 2025 20:45 |         | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | AR1248ICC500  | PO109440.D     | 20 Feb 2025 21:03 |         | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | AR1248ICC250  | PO109441.D     | 20 Feb 2025 21:21 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO022025**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 2/21/2025 8:09:53 AM          |
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                  | Supervise On      | 2/21/2025 9:30:37 AM          |
| SubDirectory             | PO022025                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO022025 |
| <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      | PO109442.D | 20 Feb 2025 21:40 |  | YP/AJ | Ok,M |
| 20 | AR1254ICC1000  | AR1254ICC1000     | PO109443.D | 20 Feb 2025 21:58 |  | YP/AJ | Ok   |
| 21 | AR1254ICC750   | AR1254ICC750      | PO109444.D | 20 Feb 2025 22:17 |  | YP/AJ | Ok   |
| 22 | AR1254ICC500   | AR1254ICC500      | PO109445.D | 20 Feb 2025 22:35 |  | YP/AJ | Ok   |
| 23 | AR1254ICC250   | AR1254ICC250      | PO109446.D | 20 Feb 2025 22:53 |  | YP/AJ | Ok   |
| 24 | AR1254ICC050   | AR1254ICC050      | PO109447.D | 20 Feb 2025 23:12 |  | YP/AJ | Ok,M |
| 25 | AR1262ICC500   | AR1262ICC500      | PO109448.D | 20 Feb 2025 23:30 |  | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | AR1268ICC1000     | PO109449.D | 20 Feb 2025 23:48 |  | YP/AJ | Ok   |
| 27 | AR1268ICC750   | AR1268ICC750      | PO109450.D | 21 Feb 2025 00:07 |  | YP/AJ | Ok   |
| 28 | AR1268ICC500   | AR1268ICC500      | PO109451.D | 21 Feb 2025 00:25 |  | YP/AJ | Ok   |
| 29 | AR1268ICC250   | AR1268ICC250      | PO109452.D | 21 Feb 2025 00:43 |  | YP/AJ | Ok   |
| 30 | AR1268ICC050   | AR1268ICC050      | PO109453.D | 21 Feb 2025 01:02 |  | YP/AJ | Ok   |
| 31 | PO022025ICV500 | ICVPO022025       | PO109454.D | 21 Feb 2025 01:20 |  | YP/AJ | Ok   |
| 32 | AR1242ICV500   | ICVPO022025AR1242 | PO109455.D | 21 Feb 2025 01:38 |  | YP/AJ | Ok   |
| 33 | AR1248ICV500   | ICVPO022025AR1248 | PO109456.D | 21 Feb 2025 01:57 |  | YP/AJ | Ok   |
| 34 | AR1254ICV500   | ICVPO022025AR1254 | PO109457.D | 21 Feb 2025 02:15 |  | YP/AJ | Ok   |
| 35 | AR1268ICV500   | ICVPO022025AR1268 | PO109458.D | 21 Feb 2025 02:34 |  | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

|              |          |                   |                               |
|--------------|----------|-------------------|-------------------------------|
| Review By    | yogesh   | Review On         | 3/6/2025 10:53:50 AM          |
| Supervise By | mohammad | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory | PO030625 | HP Acquire Method | HP Processing Method PO022025 |

| 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              | PO109647.D     | 06 Mar 2025 09:28 |         | YP/AJ    | Ok     |
| 2   | AR1660CCC500 | AR1660CCC500        | PO109648.D     | 06 Mar 2025 10:05 |         | YP/AJ    | Ok,M   |
| 3   | AR1242CCC500 | AR1242CCC500        | PO109649.D     | 06 Mar 2025 10:24 |         | YP/AJ    | Ok     |
| 4   | AR1248CCC500 | AR1248CCC500        | PO109650.D     | 06 Mar 2025 10:42 |         | YP/AJ    | Ok     |
| 5   | AR1254CCC500 | AR1254CCC500        | PO109651.D     | 06 Mar 2025 11:00 |         | YP/AJ    | Ok     |
| 6   | I.BLK        | I.BLK               | PO109652.D     | 06 Mar 2025 11:20 |         | YP/AJ    | Ok     |
| 7   | PB167003BL   | PB167003BL          | PO109653.D     | 06 Mar 2025 12:29 |         | YP/AJ    | Ok     |
| 8   | PB167003BS   | PB167003BS          | PO109654.D     | 06 Mar 2025 12:47 |         | YP/AJ    | Ok     |
| 9   | Q1498-01     | 4A-4B-4C-1928 BLD-W | PO109655.D     | 06 Mar 2025 13:06 |         | YP/AJ    | Ok,M   |
| 10  | Q1498-02     | 5A-5B-5C-1985 BLDG  | PO109656.D     | 06 Mar 2025 13:24 |         | YP/AJ    | Ok,M   |
| 11  | Q1498-03     | 6A-6B-6C-1985       | PO109657.D     | 06 Mar 2025 13:43 |         | YP/AJ    | Ok     |
| 12  | Q1498-04     | 7A-7B-7C-ROOF-5     | PO109658.D     | 06 Mar 2025 14:01 |         | YP/AJ    | Ok,M   |
| 13  | Q1498-05     | 8A-8B-8C-ROOF-5     | PO109659.D     | 06 Mar 2025 14:20 |         | YP/AJ    | Ok     |
| 14  | Q1498-06     | 9A-9B-9C-ROOF-6     | PO109660.D     | 06 Mar 2025 14:37 |         | YP/AJ    | Ok     |
| 15  | Q1498-07     | 10A-10B-10C-ROOF-6  | PO109661.D     | 06 Mar 2025 14:55 |         | YP/AJ    | Ok,M   |
| 16  | AR1660CCC500 | AR1660CCC500        | PO109662.D     | 06 Mar 2025 16:11 |         | YP/AJ    | Ok,M   |
| 17  | AR1242CCC500 | AR1242CCC500        | PO109663.D     | 06 Mar 2025 16:47 |         | YP/AJ    | Ok     |
| 18  | AR1248CCC500 | AR1248CCC500        | PO109664.D     | 06 Mar 2025 17:06 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/6/2025 10:53:50 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory             | PO030625                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PO022025 |
| 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 | AR1254CCC500 | AR1254CCC500 | PO109665.D | 06 Mar 2025 17:24 |                                        | YP/AJ | Ok       |
| 20 | I.BLK        | I.BLK        | PO109666.D | 06 Mar 2025 18:01 |                                        | YP/AJ | Ok       |
| 21 | PB167009BL   | PB167009BL   | PO109667.D | 06 Mar 2025 18:19 |                                        | YP/AJ | Ok       |
| 22 | PB167009BS   | PB167009BS   | PO109668.D | 06 Mar 2025 18:38 |                                        | YP/AJ | Ok       |
| 23 | PB167009BSD  | PB167009BSD  | PO109669.D | 06 Mar 2025 18:56 |                                        | YP/AJ | Ok       |
| 24 | Q1488-13     | ENV-102-GW01 | PO109670.D | 06 Mar 2025 19:15 |                                        | YP/AJ | Ok       |
| 25 | Q1488-14     | ENV-104-GW01 | PO109671.D | 06 Mar 2025 19:33 |                                        | YP/AJ | Ok       |
| 26 | Q1494-01     | PURGE-WATER  | PO109672.D | 06 Mar 2025 19:51 |                                        | YP/AJ | Ok       |
| 27 | Q1437-07     | K084-13B     | PO109673.D | 06 Mar 2025 20:10 | AR1254 + AR1268 Hit, Need 5x Dilution  | YP/AJ | Dilution |
| 28 | Q1437-10     | K084-14B     | PO109674.D | 06 Mar 2025 20:28 | AR1254 + AR1268 Hit                    | YP/AJ | Ok,M     |
| 29 | Q1438-03     | K084-15C     | PO109675.D | 06 Mar 2025 20:47 | AR1254 + AR1268 Hit, Need 20x Dilution | YP/AJ | Dilution |
| 30 | Q1438-05     | K084-16C     | PO109676.D | 06 Mar 2025 21:04 | AR1254 + AR1268 Hit, Need 10x Dilution | YP/AJ | Dilution |
| 31 | AR1660CCC500 | AR1660CCC500 | PO109677.D | 06 Mar 2025 22:19 |                                        | YP/AJ | Ok,M     |
| 32 | AR1242CCC500 | AR1242CCC500 | PO109678.D | 06 Mar 2025 22:56 |                                        | YP/AJ | Ok       |
| 33 | AR1248CCC500 | AR1248CCC500 | PO109679.D | 06 Mar 2025 23:14 |                                        | YP/AJ | Ok       |
| 34 | AR1254CCC500 | AR1254CCC500 | PO109680.D | 06 Mar 2025 23:33 |                                        | YP/AJ | Ok       |
| 35 | I.BLK        | I.BLK        | PO109681.D | 07 Mar 2025 00:09 |                                        | YP/AJ | Ok       |
| 36 | PB167022BL   | PB167022BL   | PO109682.D | 07 Mar 2025 00:28 |                                        | YP/AJ | Ok       |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO030625**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/6/2025 10:53:50 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/8/2025 4:31:13 AM           |
| SubDirectory             | PO030625                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PO022025 |
| 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             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |              |              |            |                   |                                                                |       |          |
|----|--------------|--------------|------------|-------------------|----------------------------------------------------------------|-------|----------|
| 37 | PB167022BS   | PB167022BS   | PO109683.D | 07 Mar 2025 00:46 |                                                                | YP/AJ | Ok       |
| 38 | Q1433-03     | K084-1C      | PO109684.D | 07 Mar 2025 01:05 | AR1254 + AR1268 Hit                                            | YP/AJ | Ok,M     |
| 39 | Q1433-06     | K084-2C      | PO109685.D | 07 Mar 2025 01:23 | AR1254 + AR1268 Hit, Need 2x Dilution                          | YP/AJ | Dilution |
| 40 | Q1433-09     | K084-3C      | PO109686.D | 07 Mar 2025 01:41 | AR1254 + AR1268 Hit, Need 4x dilution                          | YP/AJ | Dilution |
| 41 | Q1434-02     | K084-4C      | PO109687.D | 07 Mar 2025 02:00 | AR1254 + AR1268 Hit, Need 5x dilution                          | YP/AJ | Dilution |
| 42 | Q1434-02MS   | K084-4CMS    | PO109688.D | 07 Mar 2025 02:18 | AR1660 Recovery Fai                                            | YP/AJ | Ok,M     |
| 43 | Q1434-02MSD  | K084-4CMSD   | PO109689.D | 07 Mar 2025 02:37 |                                                                | YP/AJ | Ok,M     |
| 44 | Q1434-05     | K084-5C      | PO109690.D | 07 Mar 2025 02:55 | AR1254 + AR1268 Hit, Need 5x dilution                          | YP/AJ | Dilution |
| 45 | Q1434-07     | K084-6C      | PO109691.D | 07 Mar 2025 03:13 | AR1254 + AR1268 Hit, need 4x dilution, DCB High in both column | YP/AJ | Dilution |
| 46 | AR1660CCC500 | AR1660CCC500 | PO109692.D | 07 Mar 2025 04:29 |                                                                | YP/AJ | Ok,M     |
| 47 | AR1242CCC500 | AR1242CCC500 | PO109693.D | 07 Mar 2025 05:05 |                                                                | YP/AJ | Ok       |
| 48 | AR1248CCC500 | AR1248CCC500 | PO109694.D | 07 Mar 2025 05:24 |                                                                | YP/AJ | Ok       |
| 49 | AR1254CCC500 | AR1254CCC500 | PO109695.D | 07 Mar 2025 05:42 |                                                                | YP/AJ | Ok,M     |
| 50 | I.BLK        | I.BLK        | PO109696.D | 07 Mar 2025 06:19 |                                                                | YP/AJ | Ok       |

M : Manual Integration



# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 3/6/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:10  
In Date: 03/05/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:19  
Out Date: 03/06/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB134906

| Lab ID   | Client SampleID             | Dish # | Dish Wt (g) (A) | Sample Wt (g) | Dish + Sample Wt (g) (B) | Dish+Dry Sample Wt (g) (C) | % Solid | Comments |
|----------|-----------------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|----------|
| Q1490-01 | CLAY-SLUDGE-DRUMS           | 1      | 1.17            | 8.68          | 9.85                     | 7.58                       | 73.8    |          |
| Q1492-01 | RHL1PXI                     | 2      | 1.15            | 8.43          | 9.58                     | 8.97                       | 92.8    |          |
| Q1494-02 | ASPHALT                     | 10     | 1.15            | 8.61          | 9.76                     | 9.46                       | 96.5    |          |
| Q1494-03 | ASPHALT-SOIL                | 11     | 1.16            | 8.68          | 9.84                     | 9.26                       | 93.3    |          |
| Q1494-05 | SOIL                        | 12     | 1.15            | 8.81          | 9.96                     | 9.05                       | 89.7    |          |
| Q1494-07 | SOIL-COMP                   | 13     | 1.17            | 8.55          | 9.72                     | 9.17                       | 93.6    |          |
| Q1498-01 | 4A-4B-4C-1928<br>BLD-WINDOW | 3      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-02 | 5A-5B-5C-1985 BLDG          | 4      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-03 | 6A-6B-6C-1985               | 5      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-04 | 7A-7B-7C-ROOF-5             | 6      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-05 | 8A-8B-8C-ROOF-5             | 7      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-06 | 9A-9B-9C-ROOF-6             | 8      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |
| Q1498-07 | 10A-10B-10C-ROOF-6          | 9      | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk    |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

UP 134906

WorkList Name : %1-030525

WorkList ID : 188019

Department : Wet-Chemistry

Date : 03-05-2025 08:16:55

| Sample   | Customer Sample          | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|--------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q1490-01 | CLAY-SLUDGE-DRUMS        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | I21                         | 03/05/2025   | Chemtech -SO |
| Q1492-01 | RHL1PXI                  | Solid  | Percent Solids | Cool 4 deg C | GENV01   | I21                         | 03/05/2025   | Chemtech -SO |
| Q1494-02 | ASPHALT                  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | Chemtech -SO |
| Q1494-03 | ASPHALT-SOIL             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | Chemtech -SO |
| Q1494-05 | SOIL                     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | Chemtech -SO |
| Q1494-07 | SOIL-COMP                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | Chemtech -SO |
| Q1498-01 | 4A-4B-4C-1928 BLD-WINDOW | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-02 | 5A-5B-5C-1985 BLDG       | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-03 | 6A-6B-6C-1985            | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-04 | 7A-7B-7C-ROOF-5          | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-05 | 8A-8B-8C-ROOF-5          | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-06 | 9A-9B-9C-ROOF-6          | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |
| Q1498-07 | 10A-10B-10C-ROOF-6       | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | F11                         | 03/02/2025   | Chemtech -SO |

Date/Time 03/05/25 15:35

Raw Sample Received by: Al San

Raw Sample Relinquished by: Al San

Date/Time 03/05/25

Raw Sample Received by: Al San

Raw Sample Relinquished by: Al San

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** Acid Cleanup **Extraction Start Date :** 03/06/2025

**Matrix :** Solid **Extraction Start Time :** 08:23

**Welgh By:** EH **Extraction By:** RJ **Extraction End Date :** 03/06/2025

**Balance check:** RJ **Filter By:** RJ **Extraction End Time :** 11:25

**Balance ID:** EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

**pH Strip Lot#:** N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

**Extraction Method:** ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5000 PPB            | PP24209             |
| 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 |
|--------------------|----------------|------------|
| Hexane/Acetone/1:1 | N/A            | EP2592     |
| Baked Na2SO4       | N/A            | EP2590     |
| Sand               | N/A            | E2865      |
| H2SO4 1:1          | N/A            | EP2565     |
| Hexane             | N/A            | E3877      |
| 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. No MS/MSD Performed as samples are caulk matrix with Limited volume.

**KD Bath ID:** N/A **Envap ID:** NEVAP-02

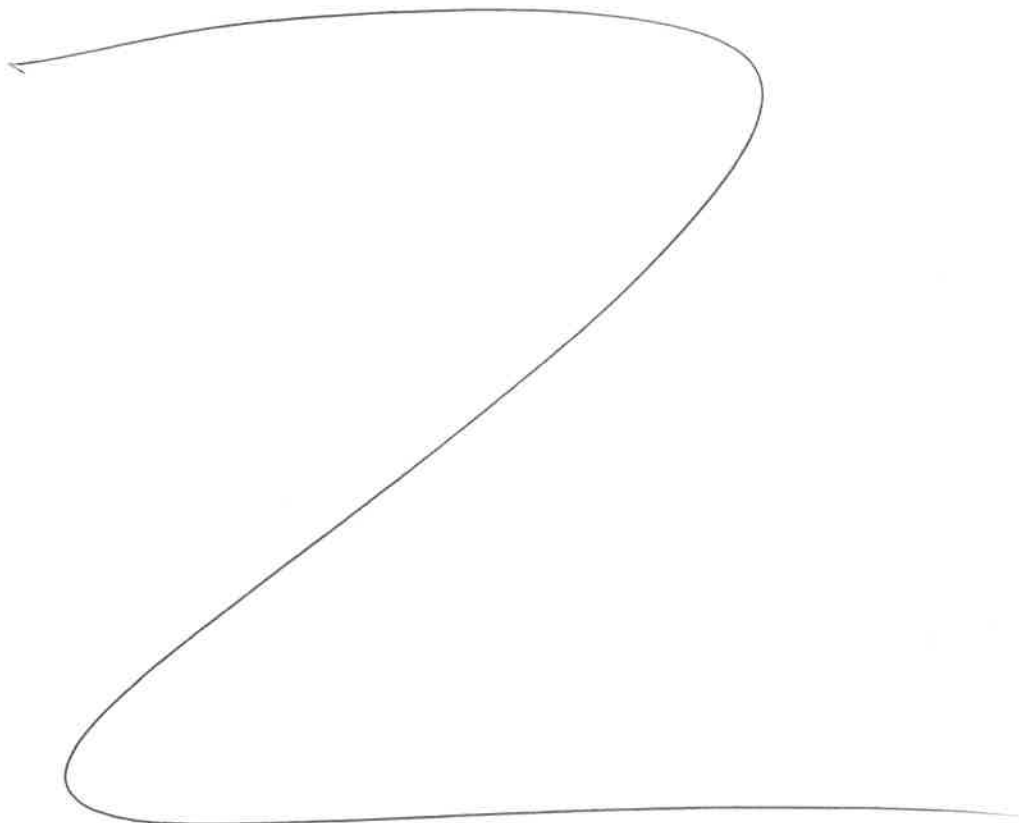
**KD Bath Temperature:** N/A **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Recelved By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/6/25      | RS (Ext Lab)                            | Yr Pestilce          |
| 11:30       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/05/2025

| Sample ID  | Client Sample ID            | Test       | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments   | Prep<br>Pos |
|------------|-----------------------------|------------|-------|-----|----------------|------------|--------------------|-------|------------|-------------|
|            |                             |            |       |     | AddedBy        | VerifiedBy |                    |       |            |             |
| PB167003BL | ABLK003                     | PCB Group1 | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |            | U7-1        |
| PB167003BS | ALCS003                     | PCB Group1 | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |            | 2           |
| Q1498-01   | 4A-4B-4C-1928<br>BLD-WINDOW | PCB Group1 | 7.28  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 3           |
| Q1498-02   | 5A-5B-5C-1985 BLDG          | PCB Group1 | 1.86  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 4           |
| Q1498-03   | 6A-6B-6C-1985               | PCB Group1 | 2.24  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 5           |
| Q1498-04   | 7A-7B-7C-ROOF-5             | PCB Group1 | 3.29  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 6           |
| Q1498-05   | 8A-8B-8C-ROOF-5             | PCB Group1 | 4.84  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | U6-1        |
| Q1498-06   | 9A-9B-9C-ROOF-6             | PCB Group1 | 3.30  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 2           |
| Q1498-07   | 10A-10B-10C-ROOF-6          | PCB Group1 | 5.79  | N/A | ritesh         | Evelyn     | 10                 |       | Caulk Mat. | 3           |



RS  
3/6

17409  
609471  
8:21

WORKLIST(Hardcopy Internal Chain)

| WorkList Name : Q1498 |                          | WorkList ID : 188058 |            | Department : Extraction |          | Date : 03-06-2025 08:21:44  |              |        |
|-----------------------|--------------------------|----------------------|------------|-------------------------|----------|-----------------------------|--------------|--------|
| Sample                | Customer Sample          | Matrix               | Test       | Preservative            | Customer | Raw Sample Storage Location | Collect Date | Method |
| Q1498-01              | 4A-4B-4C-1928 BLD-WINDOW | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-02              | 5A-5B-5C-1985 BLDG       | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-03              | 6A-6B-6C-1985            | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-04              | 7A-7B-7C-ROOF-5          | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-05              | 8A-8B-8C-ROOF-5          | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-06              | 9A-9B-9C-ROOF-6          | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |
| Q1498-07              | 10A-10B-10C-ROOF-6       | Solid                | PCB Group1 | Cool 4 deg C            | ATCE02   | F11                         | 03/02/2025   | 8082A  |

Date/Time 03/06/25 8:21  
Raw Sample Received by: RJ (Edt-Vab)  
Raw Sample Relinquished by: RJ SR

Date/Time 03/06/25 8:35  
Raw Sample Received by: RJ SR  
Raw Sample Relinquished by: RJ (Edt-Vab)

## Prep Standard - Chemical Standard Summary

**Order ID :** Q1498

**Test :** PCB Group1

**Prepbatch ID :** PB167003,

**Sequence ID/Qc Batch ID:** PO030625,

**Standard ID :**

EP2565,EP2590,EP2592,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,PP24123,PP24209,

**Chemical ID :**

E2865,E3551,E3804,E3805,E3825,E3846,E3876,E3877,M5173,P10483,P10500,P11507,P11512,P11521,P11581,P11587,P11590,P11597,P12698,P12929,P12934,P12947,P12948,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="#">EP2590</a> | 02/26/2025       | 07/01/2025             | RUPESHKUMAR SHAH   | Extraction_SC ALE_2<br>(EX-SC-2) | None             | Riteshkumar Patel<br>02/26/2025 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

## 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>            |
|------------------|-------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|---------------------------------|
| 230              | 1:1ACETONE/HEXANE | <a href="#">EP2592</a> | 02/27/2025       | 08/12/2025             | RUPESHKUMAR SHAH   | None           | None             | Riteshkumar Patel<br>02/27/2025 |

**FROM** 4000.00000ml of E3876 + 4000.00000ml of E3877 = Final Quantity: 8000.000 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>       |
|------------------|---------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 84               | Pest/PCB Surrogate Stock 20 PPM | <a href="#">PP23733</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 1.00000ml of P13350 + 9.00000ml of E3805 = Final Quantity: 10.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 202              | AR1660 1000/100 ppb working solution 1st source | <a href="#">PP23735</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P10483 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 203              | AR1660 750 PPB STD | <a href="#">PP23736</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23735 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 204              | AR1660 500 PPB STD | <a href="#">PP23737</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23735 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 205              | AR1660 250 PPB STD | <a href="#">PP23738</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23735 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 206              | AR1660 50 PPB STD | <a href="#">PP23739</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23737 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 213              | AR1221 1000 PPB WORKING SOLUTION | <a href="#">PP23740</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P11581 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1079             | AR1221 750 PPB STD | <a href="#">PP23741</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23740 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 222              | AR1221 500 PPB STD | <a href="#">PP23742</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23740 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1080             | AR1221 250 PPB STD | <a href="#">PP23743</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23740 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1081             | AR1221 50 PPB STD | <a href="#">PP23744</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23742 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 214              | AR1232 1000 PPB WORKING SOLUTION | <a href="#">PP23745</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P11587 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1063             | AR1232 750 PPB STD | <a href="#">PP23747</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23745 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 223              | AR1232 500 PPB STD | <a href="#">PP23748</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23745 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1064             | AR1232 250 PPB STD | <a href="#">PP23749</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23745 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1065             | AR1232 50 PPB STD | <a href="#">PP23750</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23748 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 215              | AR1242 1000 PPB WORKING STD | <a href="#">PP23751</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P12929 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1067             | AR1242 750 PPB STD | <a href="#">PP23752</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23751 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 224              | AR1242 500 PPB STD | <a href="#">PP23753</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23751 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1068             | AR1242 250 PPB STD | <a href="#">PP23754</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23751 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1069             | AR1242 50 PPB STD | <a href="#">PP23755</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23753 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 216              | AR1248 1000 PPB WORKING STD | <a href="#">PP23756</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P12934 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1075             | AR1248 750 PPB STD | <a href="#">PP23757</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23756 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 225              | AR1248 500 PPB STD | <a href="#">PP23758</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23756 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1076             | AR1248 250 PPB STD | <a href="#">PP23759</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23756 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1077             | AR1248 50 PPB STD | <a href="#">PP23760</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23758 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 217              | AR1254 1000 PPB WORKING STD | <a href="#">PP23761</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P11590 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1071             | AR1254 750 PPB STD | <a href="#">PP23762</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23761 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 226              | AR1254 500 PPB STD | <a href="#">PP23763</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23761 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1072             | AR1254 250 PPB STD | <a href="#">PP23764</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23761 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1073             | AR1254 50 PPB STD | <a href="#">PP23765</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23763 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1529             | AR1262 1000 PPB Working Solution | <a href="#">PP23766</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P10500 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3753             | AR1262 750 PPB STD | <a href="#">PP23767</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23766 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1530             | AR1262 500 PPB STD | <a href="#">PP23768</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23766 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3754             | AR1262 250 PPB STD | <a href="#">PP23769</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23766 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3755             | AR1262 50 PPB STD | <a href="#">PP23770</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23768 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1532             | AR1268 1000 PPB Working Solution | <a href="#">PP23771</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                  |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P11597 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3820             | AR1268 750 PPB STD | <a href="#">PP23772</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.25000ml of E3805 + 0.75000ml of PP23771 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1533             | AR1268 500 PPB STD | <a href="#">PP23773</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23771 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3821             | AR1268 250 PPB STD | <a href="#">PP23774</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.75000ml of E3805 + 0.25000ml of PP23771 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>       | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3822             | AR1268 50 PPB STD | <a href="#">PP23775</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                   |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.90000ml of E3805 + 0.10000ml of PP23773 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 404              | AR1660 100 PPM Stock Solution<br>2nd Source | <a href="#">PP23776</a> | 10/03/2024       | 04/01/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 405              | AR1660 1000/100 PPB ICV STD | <a href="#">PP23777</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 98.50000ml of E3805 + 0.50000ml of PP23733 + 1.00000ml of PP23776 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 406              | AR1660 500 PPB ICV | <a href="#">PP23778</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23777 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                     | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3789             | AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT) | <a href="#">PP23779</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                                 |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P13372 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3790             | AR1221 500 PPB ICV(AGILENT) | <a href="#">PP23780</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                             |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23779 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1887             | AR1232 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23781</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                            |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P12698 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1889             | AR1242 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23782</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 1.00000ml of P11507 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u>       |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 1888             | AR1232 500 PPB ICV | <a href="#">PP23783</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>10/03/2024 |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23781 = Final Quantity: 1.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1891             | AR1242 500 PPB ICV | <a href="#">PP23784</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23782 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1890             | AR1248 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23785</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                            |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P11512 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1892             | AR1248 500 PPB ICV | <a href="#">PP23786</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23785 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1893             | AR1254 1000 PPB Working Sol.<br>2nd Source | <a href="#">PP23787</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                            |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 1.00000ml of P12957 + 98.50000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>        | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|--------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1894             | AR1254 500 PPB ICV | <a href="#">PP23788</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                    |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23787 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                    | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3757             | AR1262 1000 PPB Working Solution second source | <a href="#">PP23789</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                                |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.10000ml of P13033 + 99.40000ml of E3805 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3758             | AR1262 500 PPB STD ICV | <a href="#">PP23790</a> | 10/03/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                        |                         |                  |                        |                    |                |                  | 10/03/2024           |

**FROM** 0.50000ml of E3805 + 0.50000ml of PP23789 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                                 | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3817             | AR1268 1000 ppb Working Soln.<br>2nd source | <a href="#">PP23946</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                                             |                         |                  |                        |                    |                |                  | 11/13/2024           |

**FROM** 1.00000ml of P11521 + 98.50000ml of E3825 + 0.50000ml of PP23733 = Final Quantity: 100.000 ml

## Pest/Pcb STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u>            | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3823             | AR1268 500 PPB STD ICV | <a href="#">PP23947</a> | 11/07/2024       | 03/30/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel         |
|                  |                        |                         |                  |                        |                    |                |                  | 11/13/2024           |

**FROM** 0.50000ml of E3825 + 0.50000ml of PP23946 = Final Quantity: 1.000 ml

| <u>Recipe ID</u> | <u>NAME</u>                      | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|----------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 465              | 200 PPB Pest/PCB Surrogate Spike | <a href="#">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



| <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="#">PP24209</a> | 02/27/2025       | 08/27/2025             | Ankita Jodhani     | None           | None             | Yogesh Patel<br>03/06/2025 |
| <b><u>FROM</u></b> 0.50000ml of P12948 + 99.50000ml of E3876 = Final Quantity: 100.000 ml |                                        |                         |                  |                        |                    |                |                  |                            |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 06/30/2025      | 04/30/2020 / RAJESH     | 04/28/2020 / RAJESH         | E2865          |

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

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

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

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

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 06/26/2025      | 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-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H2762008 | 08/25/2025      | 02/25/2025 /            | 02/12/2025 / Rajesh         | E3876          |

| Supplier         | ItemCode / ItemName                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 243570 | 08/12/2025      | 02/12/2025 / Rajesh     | 02/12/2025 / Rajesh         | E3877          |

| Supplier         | ItemCode / ItemName                                     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-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. | 20064 / Aroclor 1016/1260 | 022023 | 08/27/2025      | 02/27/2025 / Ankita     | 12/20/2023 / Yogesh         | P12948         |

| Supplier                 | ItemCode / ItemName | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | / Aroclor 1254      | 121823 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P12957         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                | ItemCode / ItemName  | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------------|----------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc | 90165 / Aroclor 1262 | 112322 | 04/03/2025      | 10/03/2024 / Ankita     | 12/20/2023 / Yogesh         | P13033         |

| Supplier | ItemCode / ItemName                                                                | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL | A0206810 | 04/03/2025      | 10/03/2024 / Ankita     | 04/22/2024 / Abdul          | P13350         |

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

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

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

Sand  
Purified  
Washed and Ignited



Material No.: 3382-05  
Batch No.: 0000243821  
Manufactured Date: 2018/04/09  
Retest Date: 2025/04/07  
Revision No: 1

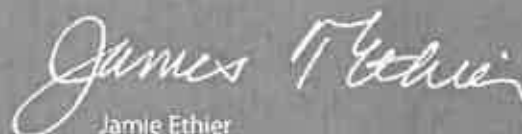
## Certificate of Analysis

| Test                      | Specification | Result |
|---------------------------|---------------|--------|
| Substances Soluble in HCl | $\leq 0.16\%$ | 0.01   |

For Laboratory, Research or Manufacturing Use  
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US  
Packaging Site: Paris Mfg Ctr & DC

E 2865

  
Jamie Ethier  
Vice President Global Quality

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

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MEXICO  
CP 64070  
TEL +52 81 13 52 57 57  
www.pqm.com.mx

## CERTIFICATE OF ANALYSIS

|                        |                                   |               |                                 |
|------------------------|-----------------------------------|---------------|---------------------------------|
| PRODUCT :              | SODIUM SULFATE CRYSTALS ANHYDROUS |               |                                 |
| QUALITY :              | ACS (CODE RMB3375)                | FORMULA :     | Na <sub>2</sub> SO <sub>4</sub> |
| SPECIFICATION NUMBER : | 6399                              | RELEASE DATE: | ABR/21/2023                     |
| LOT NUMBER :           | 313201                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.7 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.1         |
| Insoluble matter                         | Max. 0.01%     | 0.005 %     |
| Loss on ignition                         | Max. 0.5%      | 0.1 %       |
| Chloride (Cl)                            | Max. 0.001%    | <0.001 %    |
| Nitrogen compounds (as N)                | Max. 5 ppm     | <5 ppm      |
| Phosphate (PO <sub>4</sub> )             | Max. 0.001%    | <0.001 %    |
| Heavy metals (as Pb)                     | Max. 5 ppm     | <5 ppm      |
| Iron (Fe)                                | Max. 0.001%    | <0.001 %    |
| Calcium (Ca)                             | Max. 0.01%     | 0.002 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.003 %     |
| Extraction-concentration suitability     | Passes test    | Passes test |
| Appearance                               | Passes test    | Passes test |
| Identification                           | Passes test    | Passes test |
| Solubility and foreign matter            | Passes test    | Passes test |
| Retained on US Standard No. 10 sieve     | Max. 1%        | 0.1 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 97.3 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 2.5 %       |
| Through US Standard No. 100 sieve        | Max. 10%       | 0.1 %       |

### COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05  
Batch No.: 24E0761004  
Manufactured Date: 2024-05-02  
Retest Date: 2029-05-01  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.5 %      | 99.8 %      |
| Color (APHA)                                                            | ≤ 10          | < 5         |
| Residue after Evaporation                                               | ≤ 5 ppm       | < 1 ppm     |
| Titration Acid (μeq/g)                                                  | ≤ 0.3         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.5         | 0.1         |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.1 %       |
| Solubility in H <sub>2</sub> O                                          | Passes Test   | Passes Test |
| Chloride (Cl)                                                           | ≤ 0.2 ppm     | < 0.2 ppm   |
| Phosphate (PO <sub>4</sub> )                                            | ≤ 0.05 ppm    | < 0.05 ppm  |
| Trace Impurities – Aluminum (Al)                                        | ≤ 50.0 ppb    | < 5.0 ppb   |
| Arsenic and Antimony (as As)                                            | ≤ 5.0 ppb     | < 5.0 ppb   |
| Trace Impurities – Barium (Ba)                                          | ≤ 20.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Beryllium (Be)                                       | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Bismuth (Bi)                                         | ≤ 20.0 ppb    | < 10.0 ppb  |
| Trace Impurities – Boron (B)                                            | ≤ 10.0 ppb    | < 5.0 ppb   |
| Trace Impurities – Cadmium (Cd)                                         | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Calcium (Ca)                                         | ≤ 25.0 ppb    | 3.6 ppb     |
| Trace Impurities – Chromium (Cr)                                        | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Cobalt (Co)                                          | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Copper (Cu)                                          | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Gallium (Ga)                                         | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Germanium (Ge)                                       | ≤ 10.0 ppb    | < 10.0 ppb  |
| Trace Impurities – Gold (Au)                                            | ≤ 20 ppb      | < 5 ppb     |
| Trace Impurities – Iron (Fe)                                            | ≤ 20.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Lead (Pb)                                            | ≤ 10.0 ppb    | < 10.0 ppb  |
| Trace Impurities – Lithium (Li)                                         | ≤ 10.0 ppb    | < 1.0 ppb   |
| Trace Impurities – Magnesium (Mg)                                       | ≤ 20 ppb      | < 1 ppb     |
| Trace Impurities – Manganese (Mn)                                       | ≤ 10.0 ppb    | < 1.0 ppb   |

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone  
CMOS

 **avantor™**



Material No.: 9005-05  
Batch No.: 24E0761004

| Test                                              | Specification | Result     |
|---------------------------------------------------|---------------|------------|
| Trace Impurities – Molybdenum (Mo)                | ≤ 10.0 ppb    | < 5.0 ppb  |
| Trace Impurities – Nickel (Ni)                    | ≤ 10.0 ppb    | < 5.0 ppb  |
| Trace Impurities – Niobium (Nb)                   | ≤ 50.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Potassium (K)                  | ≤ 10.0 ppb    | < 10.0 ppb |
| Trace Impurities – Silicon (Si)                   | ≤ 50 ppb      | < 10 ppb   |
| Trace Impurities – Silver (Ag)                    | ≤ 10.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Sodium (Na)                    | ≤ 10.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Strontium (Sr)                 | ≤ 10.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Tantalum (Ta)                  | ≤ 50.0 ppb    | < 5.0 ppb  |
| Trace Impurities – Thallium (Tl)                  | ≤ 10.0 ppb    | < 5.0 ppb  |
| Trace Impurities – Tin (Sn)                       | ≤ 20.0 ppb    | < 10.0 ppb |
| Trace Impurities – Titanium (Ti)                  | ≤ 10.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Vanadium (V)                   | ≤ 10.0 ppb    | < 1.0 ppb  |
| Trace Impurities – Zinc (Zn)                      | ≤ 20.0 ppb    | 7.9 ppb    |
| Trace Impurities – Zirconium (Zr)                 | ≤ 10.0 ppb    | < 1.0 ppb  |
| Particle Count – 0.5 µm and greater (Rion KS42AF) | ≤ 100 par/ml  | 8 par/ml   |
| Particle Count – 1.0 µm and greater (Rion KS42AF) | ≤ 8 par/ml    | 2 par/ml   |

>>> Continued on page 3 >>>

Acetone  
CMOS

 **avantor™**



Material No.: 9005-05  
Batch No.: 24E0761004

| Test | Specification | Result |
|------|---------------|--------|
|------|---------------|--------|

For Microelectronic Use

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



Michelle Bales  
Sr. Manager, Quality Assurance

Hexanes (95% n-hexane)  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

avantor™



Material No.: 9262-03  
Batch No.: 24C1862008  
Manufactured Date: 2024-01-30  
Expiration Date: 2025-04-30  
Revision No.: 0

## Certificate of Analysis

| Test                                                                            | Specification | Result      |
|---------------------------------------------------------------------------------|---------------|-------------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)            | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)            | ≤ 10          | 1           |
| ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL) | ≤ 5           | 1           |
| Assay (Total Saturated C <sub>6</sub> Isomers) (by GC, corrected for water)     | ≥ 99.5 %      | 99.7 %      |
| Assay (as n-Hexane) (by GC, corrected for water)                                | ≥ 95 %        | 98 %        |
| Color (APHA)                                                                    | ≤ 10          | 5           |
| Residue after Evaporation                                                       | ≤ 1.0 ppm     | 0.4 ppm     |
| Substances Darkened by H <sub>2</sub> SO <sub>4</sub>                           | Passes Test   | Passes Test |
| Water (by KF, coulometric)                                                      | ≤ 0.05 %      | < 0.01 %    |

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

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

Recd. by RP on 9/25/24

E 3805

Jamie Croak  
Director Quality Operations, Bioscience Production

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

 **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

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

Recd. by RP on 2/12/25

E 3876



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

## Certificate of Analysis

1 Reagent Lane  
 Fair Lawn, NJ 07410  
 201.796.7100 tel  
 201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System  
 Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

|                   |                                                                                                                                                                                                   |                             |            |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|
| Catalog Number    | H303                                                                                                                                                                                              | Quality Test / Release Date | 11/07/2024 |
| Lot Number        | 243570                                                                                                                                                                                            |                             |            |
| Description       | HEXANES - OPTIMA                                                                                                                                                                                  |                             |            |
| Country of Origin | United States                                                                                                                                                                                     | Suggested Retest Date       | Nov/2029   |
| Chemical Origin   | Organic - non animal                                                                                                                                                                              |                             |            |
| BSE/TSE Comment   | No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product. |                             |            |

| N/A                         |            |                                 |                         |
|-----------------------------|------------|---------------------------------|-------------------------|
| Result Name                 | Units      | Specifications                  | Test Value              |
| APPEARANCE                  |            | REPORT                          | Clear, colorless liquid |
| ASSAY (N-HEXANE)            | %          | >= 60                           | 69                      |
| ASSAY (SUM C6 HYDROCARBONS) | %          | >= 99.9                         | >99.9                   |
| COLOR                       | APHA       | <= 5                            | <5                      |
| DENSITY AT 25 DEGREES C     | GM/ML      | Inclusive Between 0.653 - 0.673 | 0.669                   |
| EVAPORATION RESIDUE         | ppm        | <= 1                            | <1                      |
| FLUORESCENCE BACKGROUND     | ppb        | <= 1                            | <1                      |
| IDENTIFICATION              | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| OPTICAL ABS AT 195 NM       | ABS. UNITS | <= 1                            | 0.74                    |
| OPTICAL ABS AT 210 NM       | ABS. UNITS | <= 0.25                         | 0.17                    |
| OPTICAL ABS AT 220 NM       | ABS. UNITS | <= 0.07                         | 0.05                    |
| OPTICAL ABS AT 254 NM       | ABS. UNITS | <= 0.005                        | 0.001                   |
| PESTICIDE RESIDUE ANALYSIS  | NG/L       | <= 10                           | <10                     |
| REFRACTIVE INDEX @ 25 DEG C |            | Inclusive Between 1.375 - 1.385 | 1.379                   |
| SUITABILITY FOR GC/MS       |            | = PASS TEST                     | PASS TEST               |
| SULFUR COMPOUNDS            | %          | <= 0.005                        | <0.005                  |
| THIOPHENE                   | PASS/FAIL  | = PASS TEST                     | PASS TEST               |
| WATER (H2O)                 | %          | <= 0.01                         | <0.01                   |
| WATER-SOLUBLE TITRABLE ACID | MEQ/G      | <= 0.0003                       | 0.0001                  |

Recd. by RP on 2/12/25

*Harout Sahagian* **E3877**

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.

If there are any questions with this certificate, please call at (800) 227-6701.

\*Based on suggested storage condition.

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:**

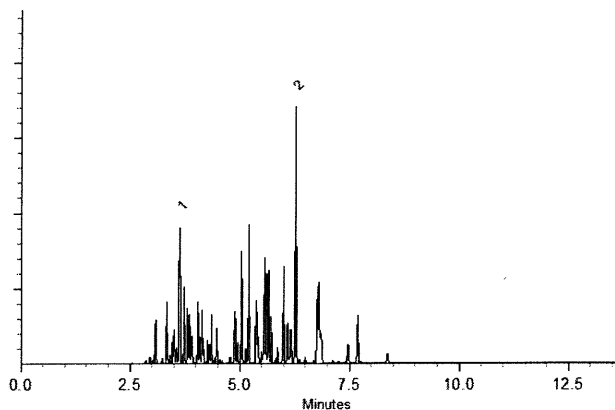
250°C

**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

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

www.restek.com

## Certificate of Analysis



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

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

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

### CERTIFIED VALUES

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

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

P10496  
↓  
P10500

AJ  
09/19/21

**Column:**

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

**Carrier Gas:**

helium-constant pressure 20 psi.

**Temp. Program:**

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

**Inj. Temp:**

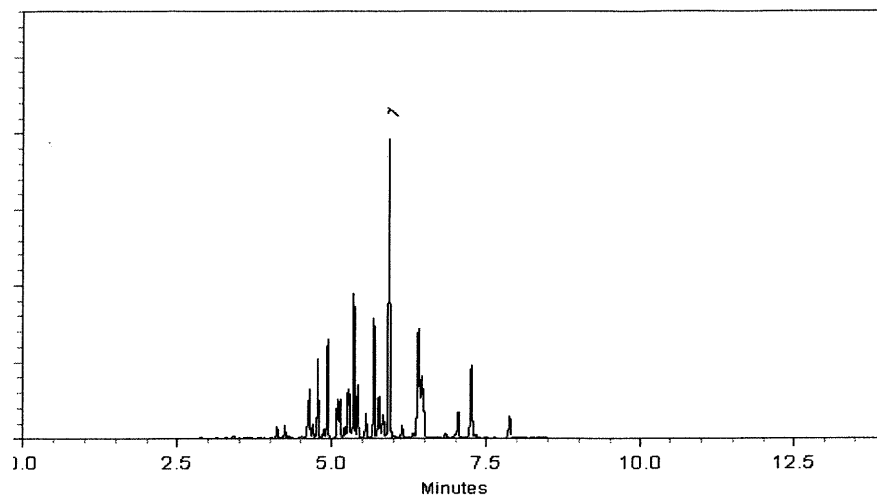
250°C

**Det. Temp:**

300°C

**Det. Type:**

ECD



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

*Sam Moodler*  
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

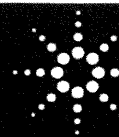
Balance: B707717271

*Marlene Cowan*  
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-2021

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

ISO 17034



Agilent

Trusted Answers

## Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

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

Expiration Date: 31-Jan-2027

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

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

**Description:**

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

**Traceability:**

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

**Homogeneity:**

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

**Instructions for Use:**

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

**Safety:**

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

**Intended Use:**

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

**Expiration of Certification:**

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

P11503  
↓  
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

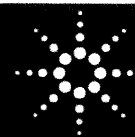
[www.agilent.com/quality/](http://www.agilent.com/quality/)

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

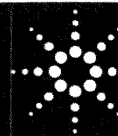
↓

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.

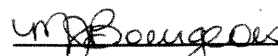
**Expiration of Certification:**

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

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

### CERTIFIED VALUES

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

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

P 11578  
↓  
P 11582 / (S)

AR  
04/30/22

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

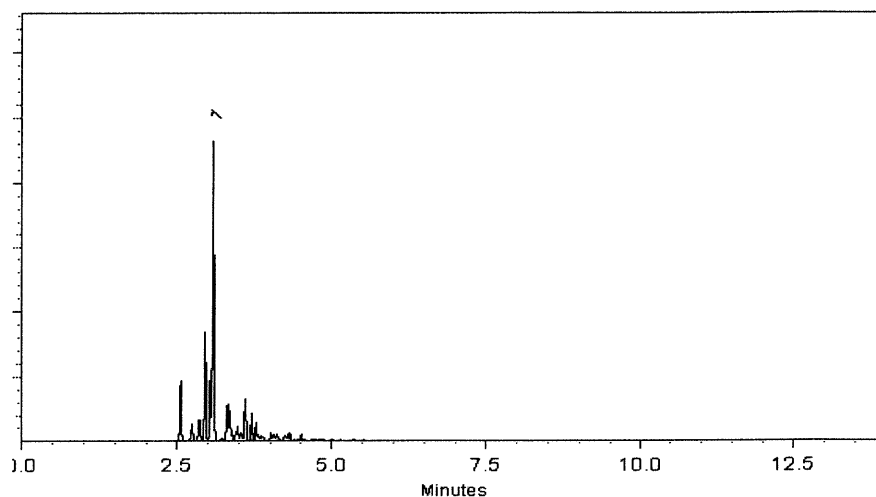
**Carrier Gas:**  
helium-constant pressure 20 psi.

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

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



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

*Sam Moodler*  
Sam Moodler - Operations Tech I

**Date Mixed:** 16-Aug-2021      **Balance:** B442140311

*Marlene Cowan*  
Marlene Cowan - Operations Tech I

**Date Passed:** 18-Aug-2021

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

P11578  
↓  
P11582 / (S)

AR  
04/30/22



CERTIFIED REFERENCE MATERIAL

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

### CERTIFIED VALUES

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

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

P11583  
↓  
P11587 / (S)

AR  
04/30/22

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

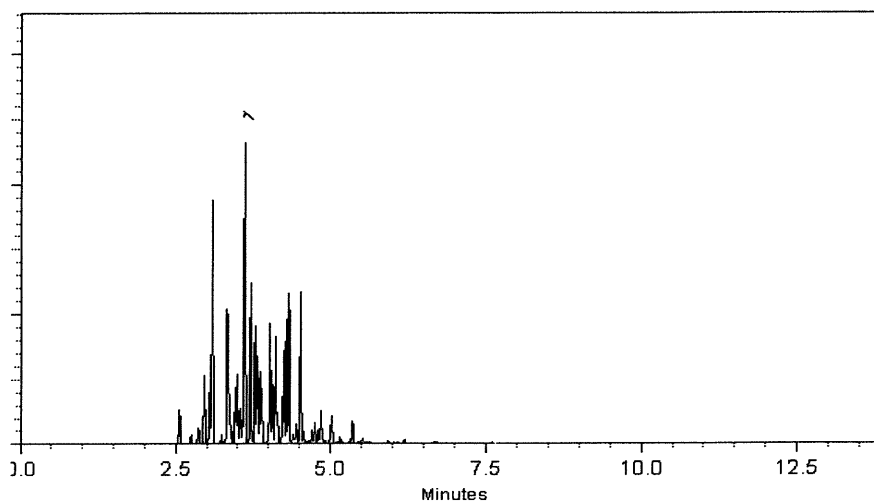
**Carrier Gas:**  
helium-constant pressure 20 psi.

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

**Inj. Temp:**  
250°C

**Det. Temp:**  
300°C

**Det. Type:**  
ECD



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

*Sam Moodler*  
Sam Moodler - Operations Tech I

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

**Balance:** B442140311

*Alexis Shelow*  
Alexis Shelow - Operations Tech I

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

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

P11583  
↓  
P11587

AR  
04/30/22



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. :** 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:**

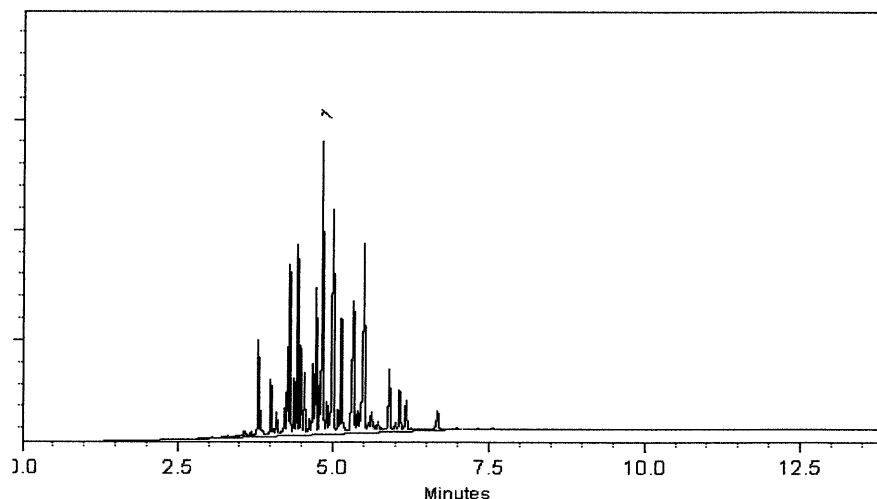
250°C

**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

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. : 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:**

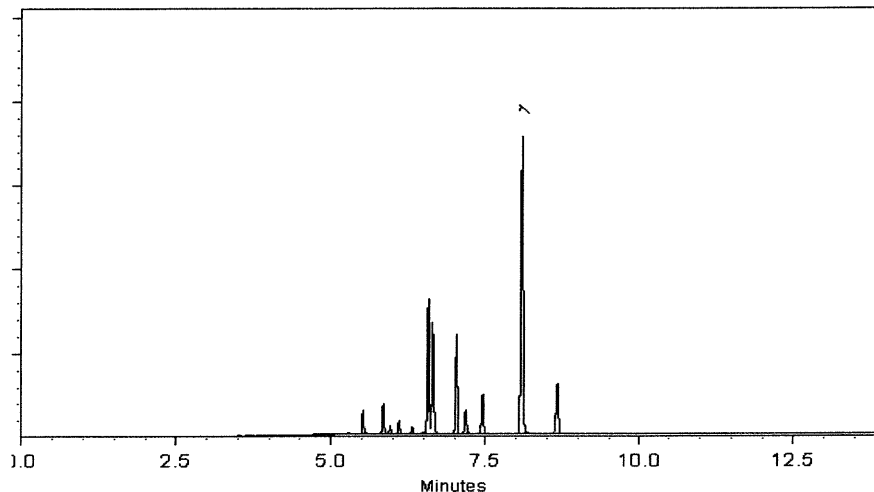
250°C

**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

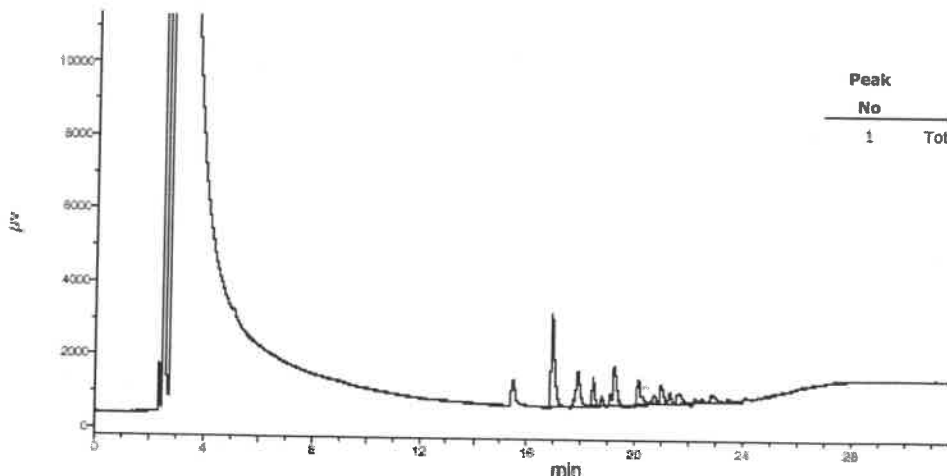
Weight(s) shown below were combined and diluted to (mL): **100.0**  
 5E-05 Balance Uncertainty  
 0.057 Flask Uncertainty

| 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





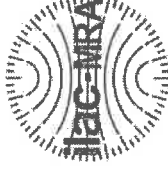
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

[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:**

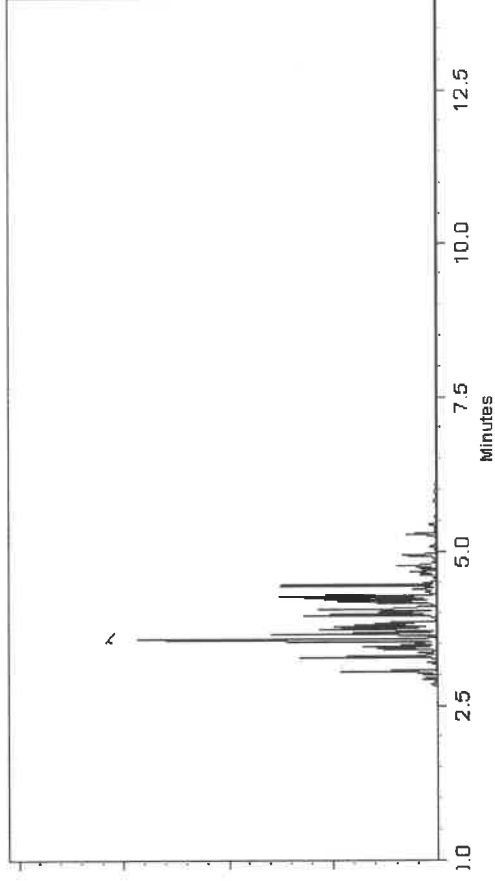
ECD

**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



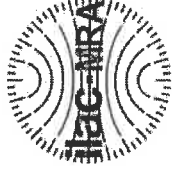
110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

[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

*P1219697*  
*P1219697*  
*AF*  
*12104123*

### 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:**

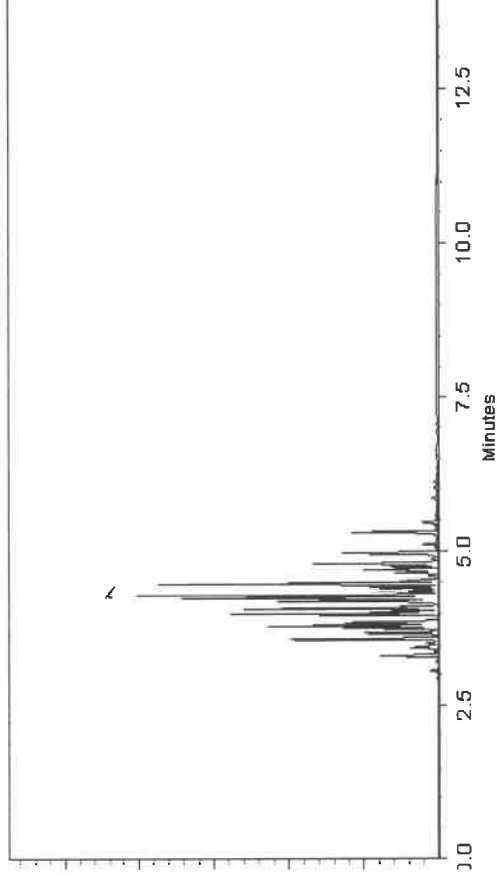
ECD

**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 - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial #

1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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

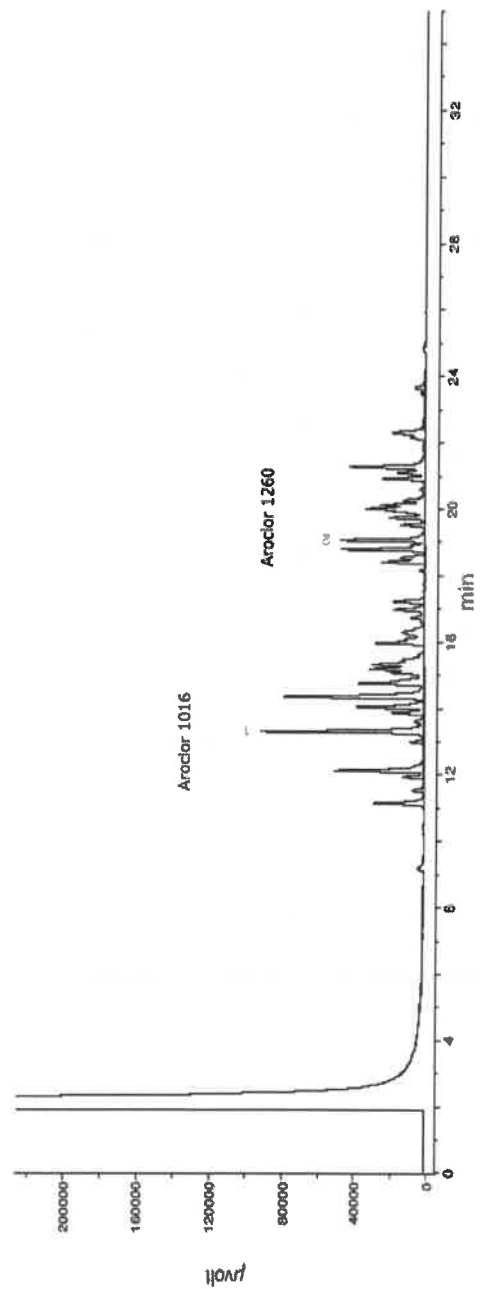
Balance Uncertainty  
0.010

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 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

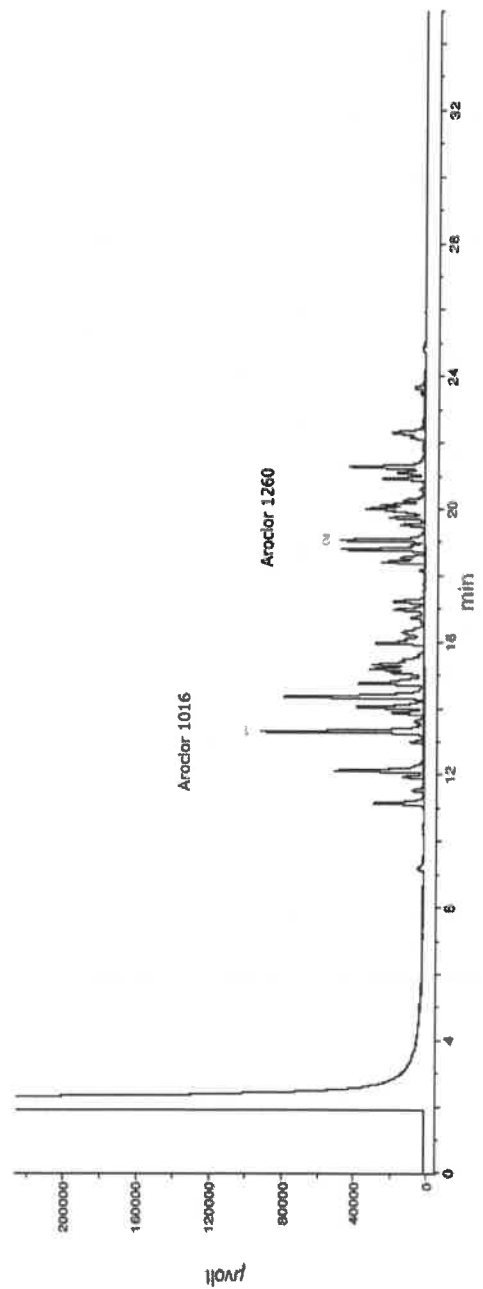
Balance Uncertainty  
0.010

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 |

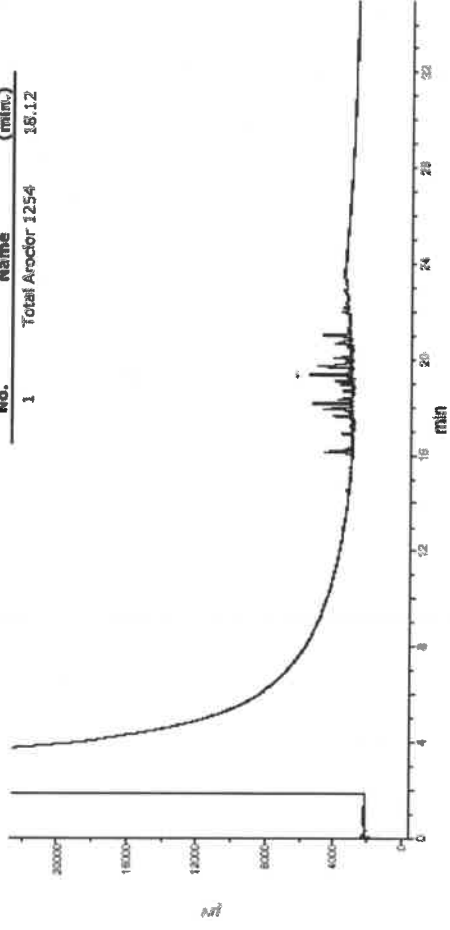
P12956 / Y.P.  
12/18/23  
P12957

| 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# | OSHA PEL (TWA) LD50 |
| 1. Aroclor 1254 | 79100       | 121823     | 0.10            | 2.00              | 0.017               | 0.017        | 1003.3        | 100.1                 | 1.8                 | 11097-69-1                         | 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 = Etdaq Channel 1  
Standard injection = 1.5µL, Range=3

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







**Certified Reference Material CRM**



**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

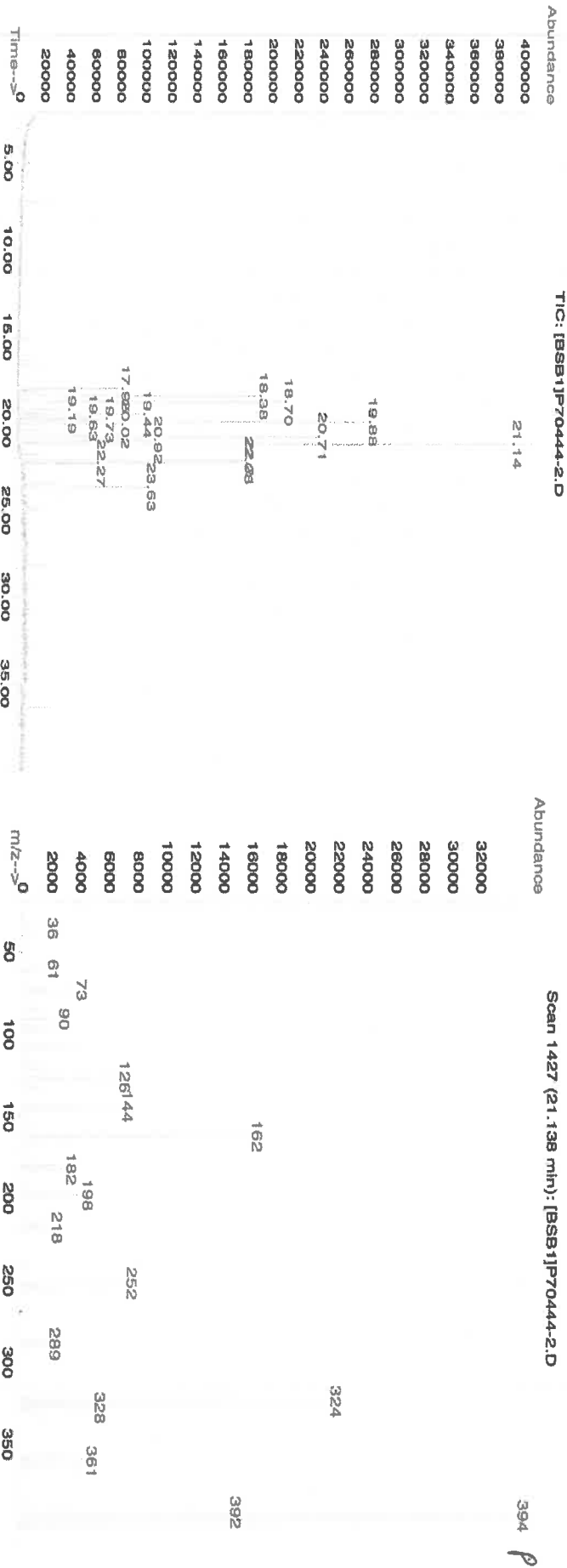
SE-05 Balance Uncertainty  
0.005 Flask Uncertainty

|                |                  |        |      |
|----------------|------------------|--------|------|
| 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).

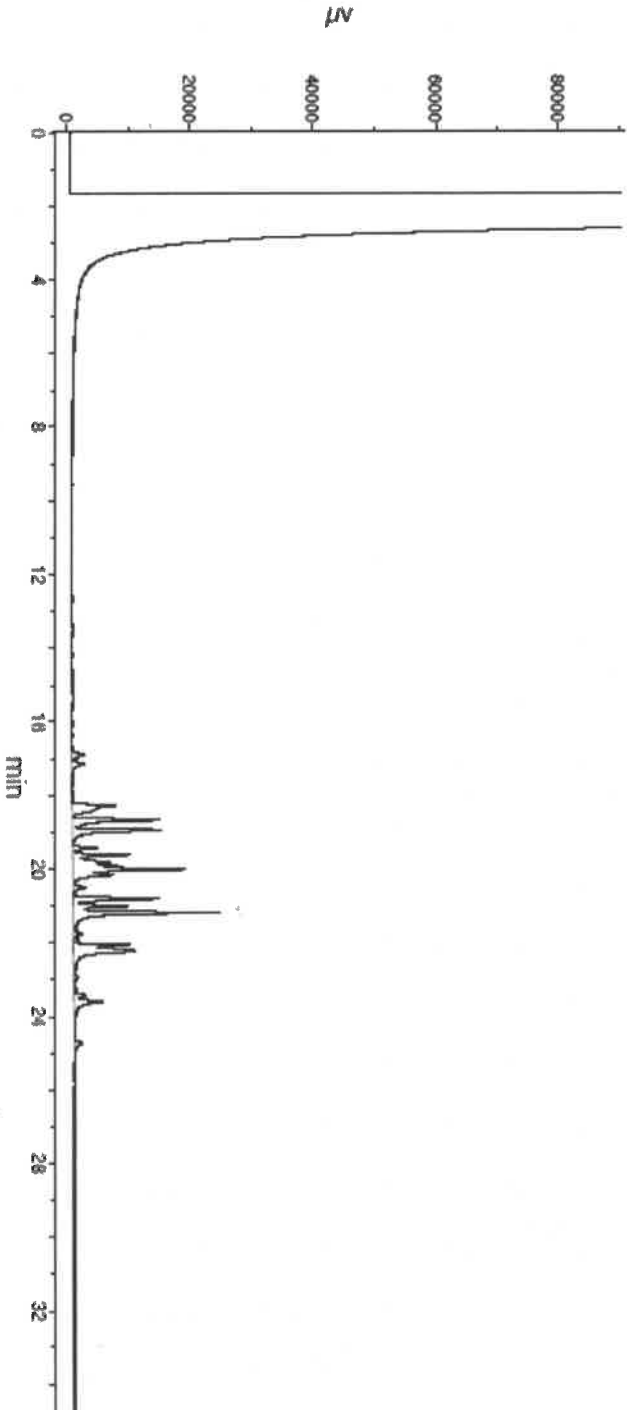


# Run 20, "P90165 L112322 [1000µg/mL in hexane]"

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  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



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

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

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348  
↓  
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:**

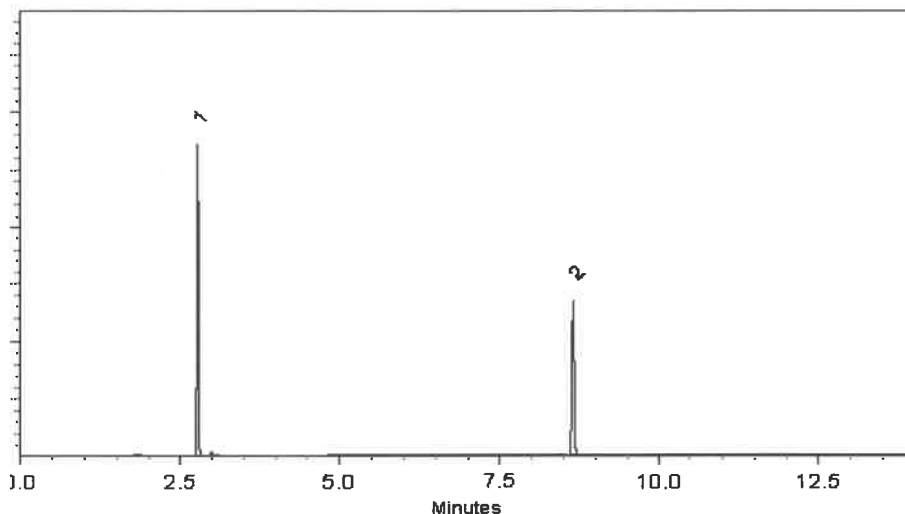
ECD

**Split Vent:**

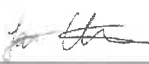
10 ml/min.

**Inj. Vol**

1µl

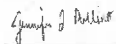


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
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



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

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



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

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

**Catalog No. :** 32000 **Lot No.:** A0206810

**Description :** Pesticide Surrogate Mix  
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2030 **Storage:** 10°C or colder

**Handling:** Contains PCBs - sonicate prior to use. **Ship:** Ambient

P13348  
↓  
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:**

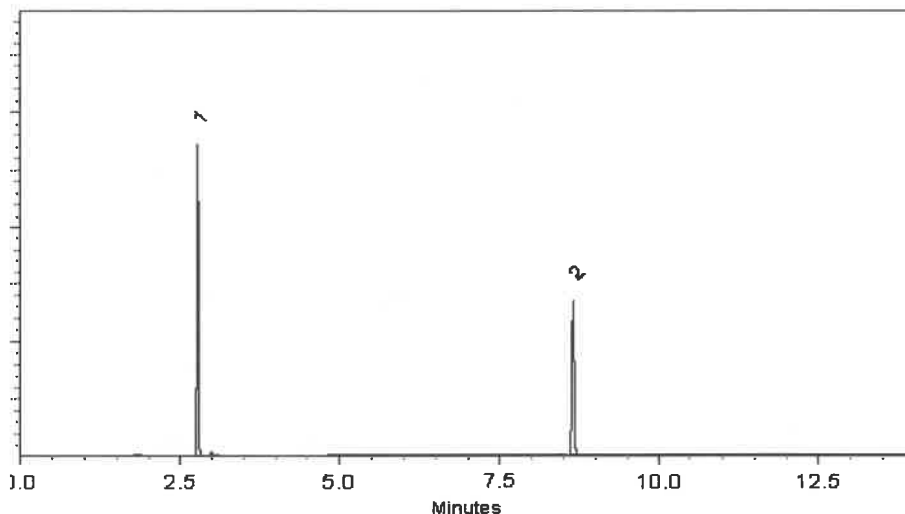
ECD

**Split Vent:**

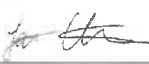
10 ml/min.

**Inj. Vol**

1µl

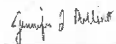


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024

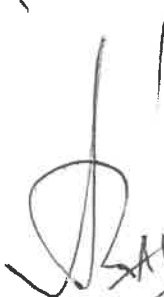
Balance Serial # 1128360905

  
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

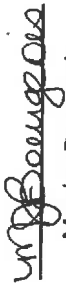
250 Smith Street North Kingstown, Rhode Island 02852 [www.agilent.com/quality](http://www.agilent.com/quality)



**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



## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
www.chemtech.net

Chemtech Project Number

Q1498

COC Number

## CLIENT INFORMATION

Report to be sent to:

COMPANY: ATC Group Services  
ADDRESS: 104 East 25th Street, N.Y.  
CITY: NY STATE: NY ZIP: 10010  
ATTENTION: Olga Selcines  
PHONE: 646-812-8352 FAX: ---

## PROJECT INFORMATION

PROJECT NAME: 2022 PCA 425 PJ 29 Q408  
PROJECT #: 2022 PCA 425 LOCATION: QUEEN  
PROJECT MANAGER: Olga Selcines  
E-MAIL: Olga.Selcines@atcgroup.com  
PHONE: 646-812-8352 FAX: COM

## BILLING INFORMATION

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

## DATA TURNAROUND INFORMATION

FAX (RUSH) 5 days (thru) DAYS\*  
HARDCOPY (DATA PACKAGE) \_\_\_\_\_ DAYS\*  
EDD: \_\_\_\_\_ DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

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

## ANALYSIS



## PRESERVATIVES

## COMMENTS

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION   | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |         | # of Bottles | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS<br><- Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|------------------------------------|------------------|----------------|------|----------------------|---------|--------------|---------------|---|---|---|---|---|---|---|---|-----------------------------------------------------------------------------------------|
|                          |                                    |                  | COMP           | GRAB | DATE                 | TIME    |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                         |
| 1.                       | 4A4B4C - 1928 Bldg - Window sill   | caulk            | ✓              |      | 3/2/15               | 8 AM    | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 2.                       | 5A5B5C - 1985 Bldg - Concrete wall | caulk            | ✓              |      | 3/2/15               | 8:30 AM | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 3.                       | 6A6B6C - 1985 Bldg - Concrete wall | caulk            | ✓              |      | 3/2/15               | 8:45 AM | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 4.                       | 7A7B7C - Roo/5 - Metal wall        | caulk            | ✓              |      | 3/2/15               | 9 AM    | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 5.                       | 8A8B8C - Roo/45 - Concrete wall    | caulk            | ✓              |      | 3/2/15               | 9 AM    | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 6.                       | 9A9B9C - Roo/46 - Concrete wall    | caulk            | ✓              |      | 3/2/15               | 9:30 AM | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 7.                       | 10A10B10C - Roo/6 - Concrete wall  | caulk            | ✓              |      | 3/2/15               | 9:45 AM | 1            |               |   |   |   |   |   |   |   |   |                                                                                         |
| 8.                       |                                    |                  |                |      |                      |         |              |               |   |   |   |   |   |   |   |   |                                                                                         |
| 9.                       |                                    |                  |                |      |                      |         |              |               |   |   |   |   |   |   |   |   |                                                                                         |
| 10.                      |                                    |                  |                |      |                      |         |              |               |   |   |   |   |   |   |   |   |                                                                                         |

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

|                                                    |                            |                                 |                                                                                                                                                                           |
|----------------------------------------------------|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER<br>1. <u>Olga Selcines</u> | DATE/TIME<br><u>3/3/25</u> | RECEIVED BY<br>1. _____         | Conditions of bottles or collars at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>16.1°C</u> |
| RELINQUISHED BY<br>2. _____                        | DATE/TIME<br><u>1310</u>   | RECEIVED BY<br>2. <u>Chen</u>   | Comments: _____<br>_____                                                                                                                                                  |
| RELINQUISHED BY<br>3. _____                        | DATE/TIME<br><u>3-5-25</u> | RECEIVED FOR LAB BY<br>3. _____ |                                                                                                                                                                           |

Page \_\_\_\_\_ of \_\_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other: \_\_\_\_\_

CHEMTECH: ☐ Picked Up

Shipment Complete  
☐ YES ☐ NO

10/2021

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

## Laboratory Composite Sample log

Lab Project number: Q1498Date: 3-5-25Client Name: ATC Group Services LLCClient Project Name: P.S. 29 Queens-2022SCA425Instructions: Composite samples (3:1)Sample Custodian: CR

| Client Sample ID | Weight /Volume used | New ID                      | Sample Description | Sample Composite time | Comments             |
|------------------|---------------------|-----------------------------|--------------------|-----------------------|----------------------|
| 4A               | 2.43g               | 1928<br>4A-4B-4C-BID-Window | Gray Caulk         | 14:00 CP              | Total weight (7.30g) |
| 4B               | 2.41g               | I                           | I                  | I                     | I                    |
| 4C               | 2.46g               | I                           | I                  | I                     | I                    |
| 5A               | 0.62g               | 5A-5B-5C-1985 BLDG          | I                  | 14:05 CP              | Total weight (1.88g) |
| 5B               | 0.61g               | I                           | I                  | I                     | I                    |
| 5C               | 0.65g               | I                           | I                  | I                     | I                    |
| 6A               | 0.74g               | 6A-6B-6C-1985               | I                  | 14:10 CP              | Total weight (2.24g) |
| 6B               | 0.73g               | I                           | I                  | I                     | I                    |
| 6C               | 0.77g               | I                           | I                  | I                     | I                    |
| 7A               | 1.09g               | 7A-7B-7C-ROOF-5             | I                  | 14:15 CP              | Total weight (3.28g) |
| 7B               | 1.11g               | I                           | I                  | I                     | I                    |

## Laboratory Composite Sample log

Lab Project number: Q1498Date: 3-5-25Client Name: ATC Group Services LLCClient Project Name: P.S. 29 Queens - 2022 SCA 425Instructions: Composite Samples (3:1)Sample Custodian: CPer

| Client Sample ID | Weigh / Volume used | New ID             | Sample Description | Sample Composite time                | Comments            |
|------------------|---------------------|--------------------|--------------------|--------------------------------------|---------------------|
| 7C               | 1.08g               | 7A-7B-7C-ROOF-5    | Gray Caulk         | 14 <sup>CP</sup><br><del>14:15</del> | Total weight (3.28) |
| 8A               | 1.59g               | 8A-8B-8C-ROOF-5    |                    | 14 <sup>CP</sup><br><del>14:20</del> | Total weight (4.77) |
| 8B               | 1.16g               | ↓                  |                    | ↓                                    | ↓                   |
| 8C               | 1.57g               | ↓                  |                    | ↓                                    | ↓                   |
| 9A               | 1.10g               | 9A-9B-9C-ROOF-6    |                    | 14 <sup>CP</sup><br><del>14:25</del> | Total weight (3.32) |
| 9B               | 1.09g               | ↓                  |                    | ↓                                    | ↓                   |
| 9C               | 1.13g               | ↓                  |                    | ↓                                    | ↓                   |
| 10A              | 1.91g               | 10A-10B-10C-ROOF-6 |                    | 14:30                                | Total weight (5.71) |
| 10B              | 1.93g               | ↓                  |                    | ↓                                    | ↓                   |
| 10C              | 1.90g               | ↓                  |                    | ↓                                    | ↓                   |

### 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       |