

**DATA PACKAGE**  
**GC SEMI-VOLATILES**

**PROJECT NAME : R36704**

**TETRA TECH, EMI**  
**240 Continental Drive, Suite 200**

**Newark, DE - 19713**  
**Phone No: 302-738-7551**

**ORDER ID : P4601**  
**ATTENTION : Ava Heiss**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** P4601

**Project ID :** R36704

**Client :** Tetra Tech, EMI

### Lab Sample Number

P4601-19  
P4601-20  
P4601-21  
P4601-22  
P4601-23  
P4601-24  
P4601-25  
P4601-26  
P4601-27  
P4601-28  
P4601-29  
P4601-30  
P4601-31  
P4601-32  
P4601-33  
P4601-34  
P4601-35  
P4601-36  
P4601-37  
P4601-38

### Client Sample Number

C0PI0  
C0PI2  
C0PI6  
C0PI8  
C0PI9  
CC0P1  
CC0P3  
CC0P5  
CC0P7  
CC0P9  
CC0Q1  
CC0Q6  
CC0Q8  
CC0R3  
CC0R4  
CC0R5  
CC0R6  
CC0R7  
CC0R7MS  
CC0R7MSD

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

Signature : \_\_\_\_\_

Date: 11/13/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**Tetra Tech, EMI**

**Project Name: R36704**

**Project # N/A**

**Chemtech Project # P4601**

**Test Name: Herbicide**

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

20 Solid samples were received on 10/29/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Herbicide. This data package contains results for Herbicide.

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

The analysis was performed on instrument ECD\_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of Herbicides was based on method 8151A and extraction was done based on method 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {P4601-37MS} with File ID: PS028403.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[147%], 2,4-D[147%] and Dinoseb[0%] due to matrix interference.

The MSD {P4601-38MSD} with File ID: PS028404.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[146%], 2,4-D[153%] and Dinoseb[0%] due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .



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Phone: 908 789 8900 Fax: 908 789 8922

**E. Additional Comments:**

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

**F. Manual Integration Comments:**

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

---

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

Signature\_\_\_\_\_

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## DATA REPORTING QUALIFIERS- ORGANIC

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

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value     | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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

CHEMTECH PROJECT NUMBER: P4601

MATRIX: /Water

METHOD: 8151A/3510

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NA | NO | YES |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 1. | Chromatograms Labeled/Compounds Identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |    | ✓   |
| 2. | Standard Summary Submitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |    | ✓   |
| 3. | Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD.<br><br>The Initial Calibration met the requirements .<br>The Continuous Calibration met the requirements .                                                                                                                                                                                                                                                                                                                                               |    |    | ✓   |
| 4. | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    | ✓  |     |
| 5. | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |    | ✓   |
| 6. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The MS {P4601-37MS} with File ID: PS028403.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[147%], 2,4-D[147%] and Dinoseb[0%] due to matrix interference.<br><br>The MSD {P4601-38MSD} with File ID: PS028404.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[146%], 2,4-D[153%] and Dinoseb[0%] due to matrix interference.<br><br>The Blank Spike met requirements for all samples .<br>The RPD met criteria . |    | ✓  |     |
| 7. | Retention Time Shift Meet Criteria (if applicable)<br><br>Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    | ✓   |
| 8. | Extraction Holding Time Met<br><br>If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    | ✓   |



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

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

**ADDITIONAL COMMENTS:**

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

\_\_\_\_\_  
QA REVIEW

\_\_\_\_\_  
Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4601

Completed

For thorough review, the report must have the following:

**GENERAL:**

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

**COVER PAGE:**

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

✓

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

✓

**CHAIN OF CUSTODY:**

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

**ANALYTICAL:**

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/13/2024

## LAB CHRONICLE

|                 |                 |                   |                        |
|-----------------|-----------------|-------------------|------------------------|
| <b>OrderID:</b> | P4601           | <b>OrderDate:</b> | 10/29/2024 10:35:00 AM |
| <b>Client:</b>  | Tetra Tech, EMI | <b>Project:</b>   | R36704                 |
| <b>Contact:</b> | Ava Heiss       | <b>Location:</b>  | K31                    |

| LabID           | ClientID     | Matrix      | Test      | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|--------------|-------------|-----------|--------|-----------------|-----------|-----------|-----------------|
| <b>P4601-19</b> | <b>C0PI0</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-20</b> | <b>C0PI2</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-21</b> | <b>C0PI6</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-22</b> | <b>C0PI8</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-23</b> | <b>C0PI9</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-24</b> | <b>CC0P1</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-25</b> | <b>CC0P3</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-26</b> | <b>CC0P5</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-27</b> | <b>CC0P7</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-28</b> | <b>CC0P9</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/07/24  | <b>10/29/24</b> |
| <b>P4601-29</b> | <b>CC0Q1</b> | <b>SOIL</b> | Herbicide | 8151A  | <b>10/22/24</b> | 10/31/24  | 11/11/24  | <b>10/29/24</b> |
| <b>P4601-30</b> | <b>CC0Q6</b> | <b>SOIL</b> |           |        | <b>10/22/24</b> |           |           | <b>10/29/24</b> |

### LAB CHRONICLE

|                 |              |             |           |       |                 |          |          |                 |
|-----------------|--------------|-------------|-----------|-------|-----------------|----------|----------|-----------------|
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-31</b> | <b>CC0Q8</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-32</b> | <b>CC0R3</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-33</b> | <b>CC0R4</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-34</b> | <b>CC0R5</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-35</b> | <b>CC0R6</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |
| <b>P4601-36</b> | <b>CC0R7</b> | <b>SOIL</b> |           |       | <b>10/23/24</b> |          |          | <b>10/29/24</b> |
|                 |              |             | Herbicide | 8151A |                 | 10/31/24 | 11/11/24 |                 |



**Hit Summary Sheet**  
SW-846

**SDG No.:** P4601

**Order ID:** P4601

**Client:** Tetra Tech, EMI

**Project ID:** R36704

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

Client ID :

**Total Concentration: 0.000**



# QC SUMMARY

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### Surrogate Summary

SDG No.: **P4601**

Client: **Tetra Tech, EMI**

Analytical Method: **8151A**

| Lab Sample ID    | Client ID        | Parameter | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|-----------|--------|-------|--------|-----|------|--------|------|
|                  |                  |           |        |       |        |     |      | Low    | High |
| I.BLK-PS028252.D | PIBLK-PS028252.D | 2,4-DCAA  | 1      | 500   | 489    | 98  |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 491    | 98  |      | 39     | 175  |
| I.BLK-PS028283.D | PIBLK-PS028283.D | 2,4-DCAA  | 1      | 500   | 529    | 106 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 516    | 103 |      | 39     | 175  |
| PB164559BL       | PB164559BL       | 2,4-DCAA  | 1      | 500   | 560    | 112 |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 516    | 103 |      | 10     | 141  |
| PB164559BS       | PB164559BS       | 2,4-DCAA  | 1      | 500   | 552    | 110 |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 517    | 103 |      | 10     | 141  |
| I.BLK-PS028296.D | PIBLK-PS028296.D | 2,4-DCAA  | 1      | 500   | 530    | 106 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 508    | 102 |      | 39     | 175  |
| P4601-19         | C0PI0            | 2,4-DCAA  | 1      | 500   | 475    | 95  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 436    | 87  |      | 10     | 141  |
| P4601-20         | C0PI2            | 2,4-DCAA  | 1      | 500   | 213    | 43  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 179    | 36  |      | 10     | 141  |
| P4601-21         | C0PI6            | 2,4-DCAA  | 1      | 500   | 419    | 84  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 370    | 74  |      | 10     | 141  |
| P4601-22         | C0PI8            | 2,4-DCAA  | 1      | 500   | 251    | 50  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 208    | 42  |      | 10     | 141  |
| P4601-23         | C0PI9            | 2,4-DCAA  | 1      | 500   | 467    | 93  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 413    | 83  |      | 10     | 141  |
| P4601-24         | CC0P1            | 2,4-DCAA  | 1      | 500   | 461    | 92  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 377    | 75  |      | 10     | 141  |
| P4601-25         | CC0P3            | 2,4-DCAA  | 1      | 500   | 337    | 67  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 281    | 56  |      | 10     | 141  |
| P4601-26         | CC0P5            | 2,4-DCAA  | 1      | 500   | 379    | 76  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 297    | 59  |      | 10     | 141  |
| P4601-27         | CC0P7            | 2,4-DCAA  | 1      | 500   | 214    | 43  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 162    | 32  |      | 10     | 141  |
| P4601-28         | CC0P9            | 2,4-DCAA  | 1      | 500   | 231    | 46  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 196    | 39  |      | 10     | 141  |
| I.BLK-PS028308.D | PIBLK-PS028308.D | 2,4-DCAA  | 1      | 500   | 526    | 105 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 489    | 98  |      | 39     | 175  |
| I.BLK-PS028355.D | PIBLK-PS028355.D | 2,4-DCAA  | 1      | 500   | 501    | 100 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 503    | 101 |      | 39     | 175  |
| I.BLK-PS028393.D | PIBLK-PS028393.D | 2,4-DCAA  | 1      | 500   | 511    | 102 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 472    | 94  |      | 39     | 175  |
| P4601-29         | CC0Q1            | 2,4-DCAA  | 1      | 500   | 261    | 52  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 206    | 41  |      | 10     | 141  |
| P4601-30         | CC0Q6            | 2,4-DCAA  | 1      | 500   | 251    | 50  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 211    | 42  |      | 10     | 141  |
| P4601-31         | CC0Q8            | 2,4-DCAA  | 1      | 500   | 227    | 45  |      | 10     | 141  |

### Surrogate Summary

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

| Lab Sample ID    | Client ID        | Parameter | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|------------------|-----------|--------|-------|--------|-----|------|--------|------|
|                  |                  |           |        |       |        |     |      | Low    | High |
| P4601-31         | CC0Q8            | 2,4-DCAA  | 2      | 500   | 163    | 33  |      | 10     | 141  |
| P4601-32         | CC0R3            | 2,4-DCAA  | 1      | 500   | 326    | 65  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 277    | 55  |      | 10     | 141  |
| P4601-33         | CC0R4            | 2,4-DCAA  | 1      | 500   | 386    | 77  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 328    | 66  |      | 10     | 141  |
| P4601-34         | CC0R5            | 2,4-DCAA  | 1      | 500   | 423    | 85  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 331    | 66  |      | 10     | 141  |
| P4601-35         | CC0R6            | 2,4-DCAA  | 1      | 500   | 299    | 60  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 219    | 44  |      | 10     | 141  |
| P4601-36         | CC0R7            | 2,4-DCAA  | 1      | 500   | 442    | 88  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 378    | 76  |      | 10     | 141  |
| P4601-37MS       | CC0R7MS          | 2,4-DCAA  | 1      | 500   | 619    | 124 |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 517    | 103 |      | 10     | 141  |
| P4601-38MSD      | CC0R7MSD         | 2,4-DCAA  | 1      | 500   | 617    | 123 |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 516    | 103 |      | 10     | 141  |
| I.BLK-PS028405.D | PIBLK-PS028405.D | 2,4-DCAA  | 1      | 500   | 511    | 102 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 472    | 94  |      | 39     | 175  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028403.D

| Lab Sample ID:                  | Parameter        | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|---------------------------------|------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| Client Sample ID:<br>P4601-37MS | CC0R7MS          |       |               |        |       |     |          |     |          |     |             |     |
|                                 | DICAMBA          | 204.7 | 0             | 165    | ug/Kg | 81  |          |     |          | 10  | 112         |     |
|                                 | DICHLORPROP      | 204.7 | 0             | 175    | ug/Kg | 85  |          |     |          | 10  | 113         |     |
|                                 | 2,4-D            | 204.7 | 0             | 301    | ug/Kg | 147 | *        |     |          | 10  | 144         |     |
|                                 | 2,4,5-TP(Silvex) | 204.7 | 0             | 300    | ug/Kg | 147 | *        |     |          | 10  | 114         |     |
|                                 | 2,4,5-T          | 204.7 | 0             | 182    | ug/Kg | 89  |          |     |          | 10  | 115         |     |
|                                 | 2,4-DB           | 204.7 | 0             | 180    | ug/Kg | 88  |          |     |          | 10  | 140         |     |
|                                 | Dinoseb          | 204.7 | 0             | 0      | ug/Kg | 0   | *        |     |          | 10  | 118         |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

DataFile : PS028404.D

| Lab Sample ID:                   | Parameter        | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| Client Sample ID:<br>P4601-38MSD | CC0R7MSD         |       |               |        |       |     |          |     |          |     |             |     |
|                                  | DICAMBA          | 204.6 | 0             | 164    | ug/Kg | 80  |          | 1   |          | 10  | 112         | 20  |
|                                  | DICHLORPROP      | 204.6 | 0             | 173    | ug/Kg | 85  |          | 0   |          | 10  | 113         | 20  |
|                                  | 2,4-D            | 204.6 | 0             | 313    | ug/Kg | 153 | *        | 4   |          | 10  | 144         | 20  |
|                                  | 2,4,5-TP(Silvex) | 204.6 | 0             | 298    | ug/Kg | 146 | *        | 1   |          | 10  | 114         | 20  |
|                                  | 2,4,5-T          | 204.6 | 0             | 180    | ug/Kg | 88  |          | 1   |          | 10  | 115         | 20  |
|                                  | 2,4-DB           | 204.6 | 0             | 177    | ug/Kg | 87  |          | 1   |          | 10  | 140         | 20  |
|                                  | Dinoseb          | 204.6 | 0             | 0      | ug/Kg | 0   | *        | 0   |          | 10  | 118         | 20  |

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

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A Datafile : PS028295.D

| Lab Sample ID | Parameter        | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|------------------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |                  |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB164559BS    | DICAMBA          | 166.5 | 170    | ug/Kg | 102 |     |      |      | 72  | 129    |  |     |
|               | DICHLORPROP      | 166.5 | 173    | ug/Kg | 104 |     |      |      | 77  | 135    |  |     |
|               | 2,4-D            | 166.5 | 174    | ug/Kg | 105 |     |      |      | 65  | 144    |  |     |
|               | 2,4,5-TP(Silvex) | 166.5 | 178    | ug/Kg | 107 |     |      |      | 74  | 146    |  |     |
|               | 2,4,5-T          | 166.5 | 177    | ug/Kg | 106 |     |      |      | 77  | 134    |  |     |
|               | 2,4-DB           | 166.5 | 173    | ug/Kg | 104 |     |      |      | 72  | 122    |  |     |
|               | Dinoseb          | 166.5 | 172    | ug/Kg | 103 |     |      |      | 74  | 132    |  |     |

4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164559BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: P4601

SAS No.: P4601 SDG NO.: P4601

Lab Sample ID: PB164559BL

Lab File ID: PS028294.D

Matrix: (soil/water) Solid

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

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/31/2024

Date Analyzed (1): 11/07/2024

Date Analyzed (2): 11/07/2024

Time Analyzed (1): 03:28

Time Analyzed (2): 03:28

Instrument ID (1): ECD\_S

Instrument ID (2): ECD\_S

GC Column (1): RTX-CLP ID: 0.32 (mm)

GC Column (2): RTX-CLP2 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 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB164559BS        | PB164559BS       | PS028295.D     | 11/07/2024         | 11/07/2024         |
| COPI0             | P4601-19         | PS028298.D     | 11/07/2024         | 11/07/2024         |
| COPI2             | P4601-20         | PS028299.D     | 11/07/2024         | 11/07/2024         |
| COPI6             | P4601-21         | PS028300.D     | 11/07/2024         | 11/07/2024         |
| COPI8             | P4601-22         | PS028301.D     | 11/07/2024         | 11/07/2024         |
| COPI9             | P4601-23         | PS028302.D     | 11/07/2024         | 11/07/2024         |
| CC0P1             | P4601-24         | PS028303.D     | 11/07/2024         | 11/07/2024         |
| CC0P3             | P4601-25         | PS028304.D     | 11/07/2024         | 11/07/2024         |
| CC0P5             | P4601-26         | PS028305.D     | 11/07/2024         | 11/07/2024         |
| CC0P7             | P4601-27         | PS028306.D     | 11/07/2024         | 11/07/2024         |
| CC0P9             | P4601-28         | PS028307.D     | 11/07/2024         | 11/07/2024         |
| CC0Q1             | P4601-29         | PS028395.D     | 11/11/2024         | 11/11/2024         |
| CC0Q6             | P4601-30         | PS028396.D     | 11/11/2024         | 11/11/2024         |
| CC0Q8             | P4601-31         | PS028397.D     | 11/11/2024         | 11/11/2024         |
| CC0R3             | P4601-32         | PS028398.D     | 11/11/2024         | 11/11/2024         |
| CC0R4             | P4601-33         | PS028399.D     | 11/11/2024         | 11/11/2024         |
| CC0R5             | P4601-34         | PS028400.D     | 11/11/2024         | 11/11/2024         |
| CC0R6             | P4601-35         | PS028401.D     | 11/11/2024         | 11/11/2024         |
| CC0R7             | P4601-36         | PS028402.D     | 11/11/2024         | 11/11/2024         |
| CC0R7MS           | P4601-37MS       | PS028403.D     | 11/11/2024         | 11/11/2024         |
| CC0R7MSD          | P4601-38MSD      | PS028404.D     | 11/11/2024         | 11/11/2024         |

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





# SAMPLE DATA

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

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | C0PI0           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-19        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 70.7      |
| Sample Wt/Vol:     | 30.06           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028298.D        | 1         | 10/31/24 10:00 | 11/07/24 05:28 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 94.6  | U         | 12.2     | 94.6       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 94.6  | U         | 13.5     | 94.6       | ug/Kg             |
| 94-75-7           | 2,4-D             | 94.6  | U         | 17.1     | 94.6       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 94.6  | U         | 13.3     | 94.6       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 94.6  | U         | 14.3     | 94.6       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 94.6  | U         | 25.8     | 94.6       | ug/Kg             |
| 88-85-7           | DINOSEB           | 94.6  | U         | 17.5     | 94.6       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 475   |           | 10 - 141 | 95%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028298.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 05:28  
Operator : AR\AJ  
Sample : P4601-19  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI0

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:09:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|---------|---------|----------|
| -----                       |       |       |          |         |         |          |
| System Monitoring Compounds |       |       |          |         |         |          |
| 4) S 2,4-DCAA               | 7.257 | 7.762 | 1217.0E6 | 759.0E6 | 475.140 | 435.768m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028298.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 05:28  
Operator : AR\AJ  
Sample : P4601-19  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

C0PI0

## Manual Integrations

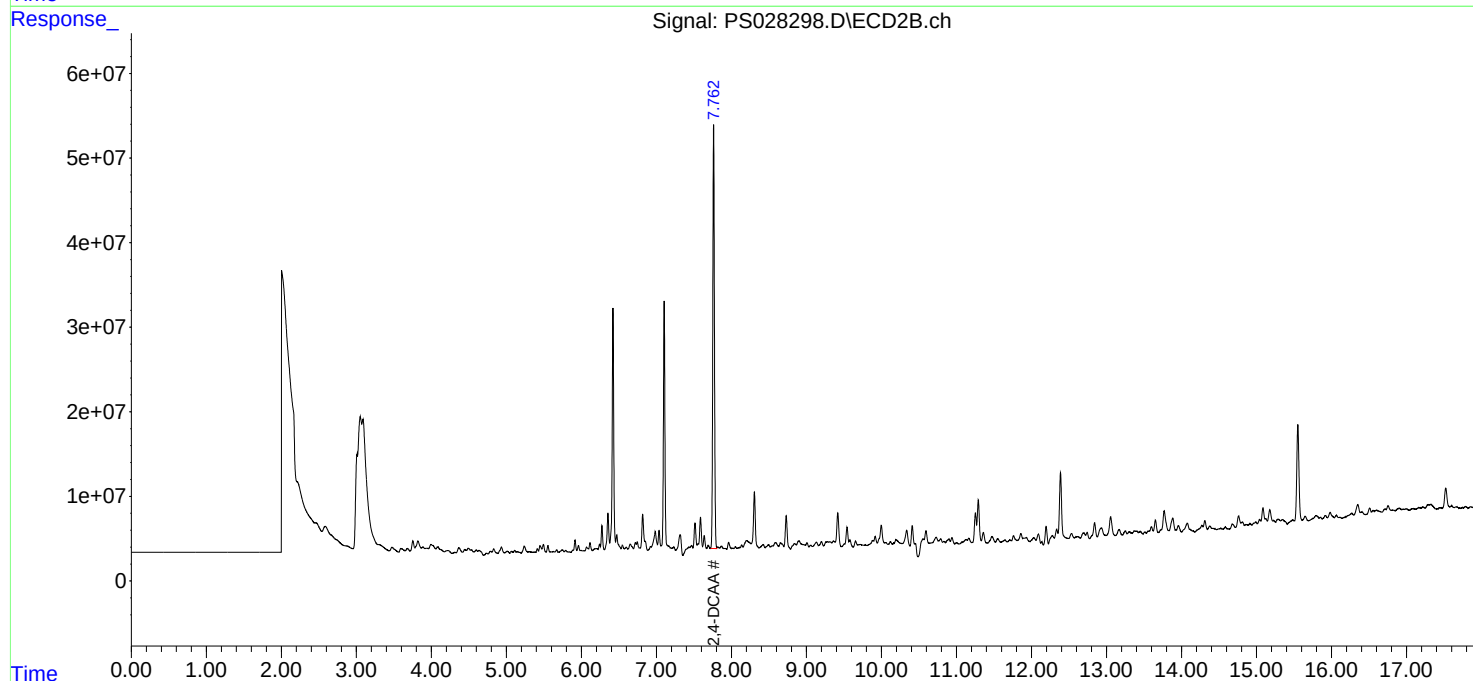
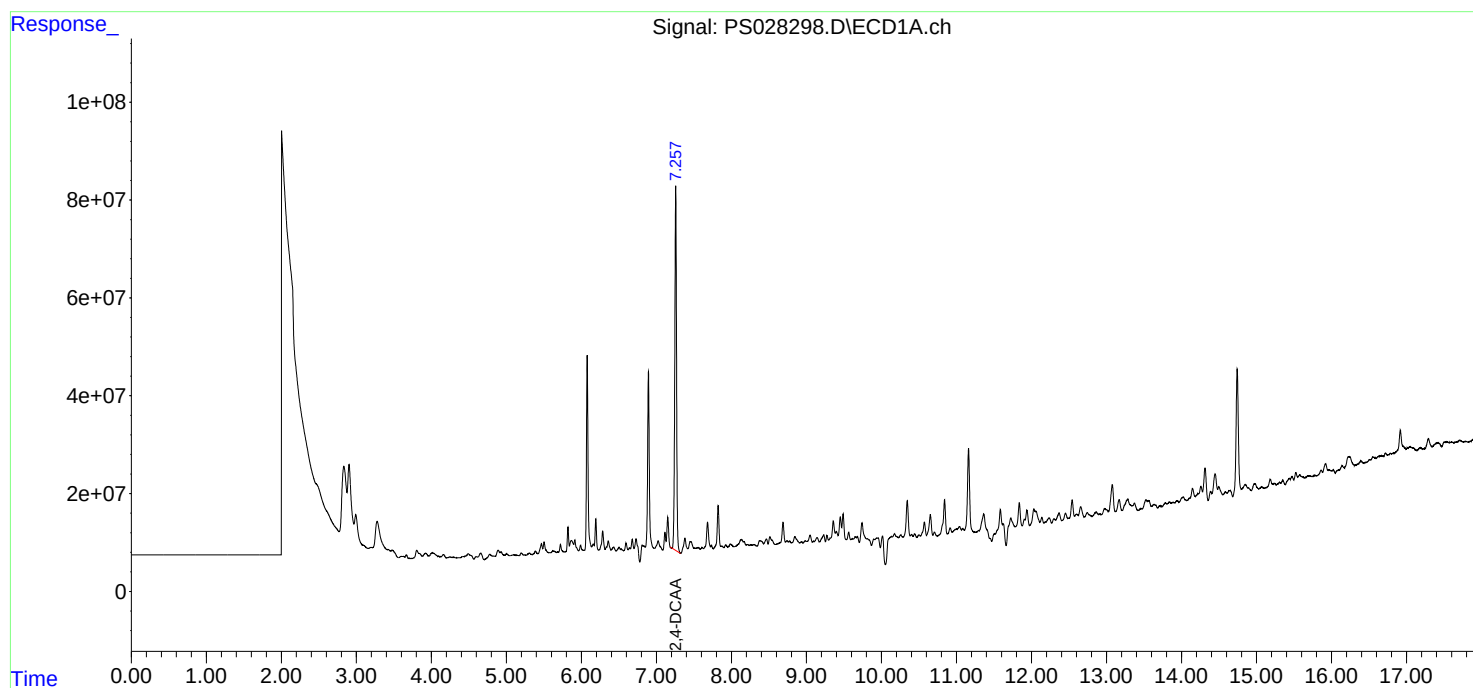
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:09:33 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_

Signal: PS028298.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.257 min

Delta R.T.: -0.005 min

Response: 1217029712

Conc: 475.14 ng/ml

Instrument :

ECD\_S

ClientSampleId :

C0PI0

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028298.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.762 min

Delta R.T.: -0.003 min

Response: 759011308

Conc: 435.77 ng/ml m

Time

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | C0PI2           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-20        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 94.7      |
| Sample Wt/Vol:     | 30.02           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028299.D        | 1         | 10/31/24 10:00 | 11/07/24 05:52 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 70.7  | U         | 9.10     | 70.7       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 70.7  | U         | 10.1     | 70.7       | ug/Kg             |
| 94-75-7           | 2,4-D             | 70.7  | U         | 12.8     | 70.7       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 70.7  | U         | 9.90     | 70.7       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 70.7  | U         | 10.7     | 70.7       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 70.7  | U         | 19.3     | 70.7       | ug/Kg             |
| 88-85-7           | DINOSEB           | 70.7  | U         | 13.1     | 70.7       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 213   |           | 10 - 141 | 43%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028299.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 05:52  
Operator : AR\AJ  
Sample : P4601-20  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI2

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:10:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.255 | 7.763 | 544.7E6 | 311.5E6 | 212.645m | 178.856m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028299.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 05:52  
Operator : AR\AJ  
Sample : P4601-20  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

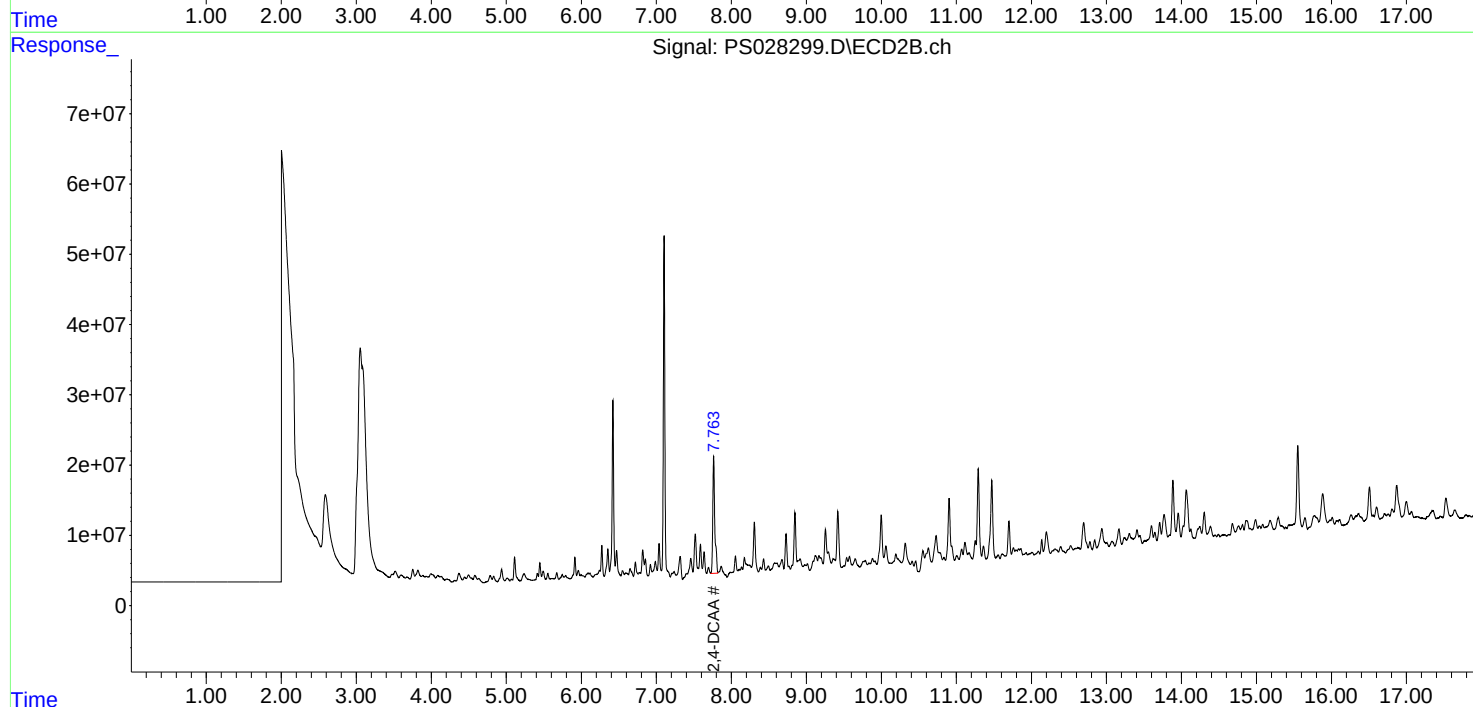
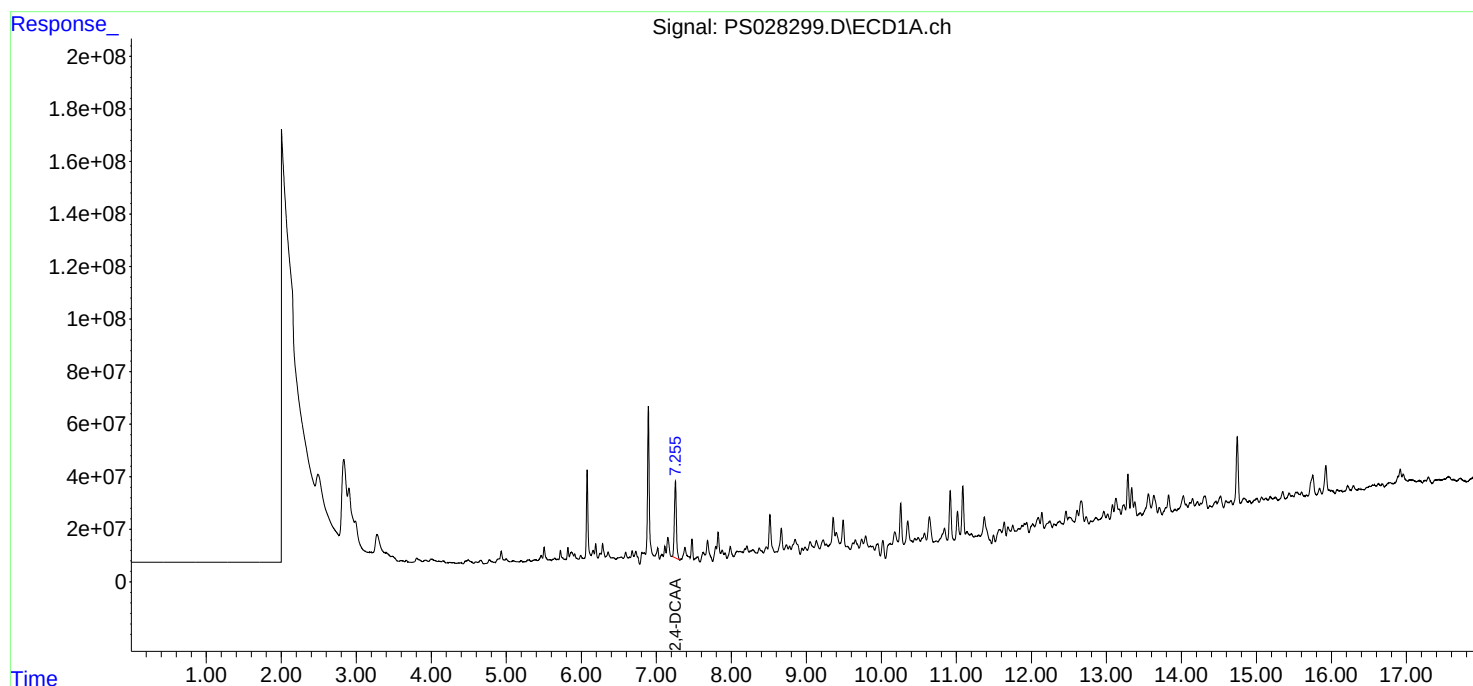
Instrument :  
ECD\_S  
ClientSampleId :  
C0PI2

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:10:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

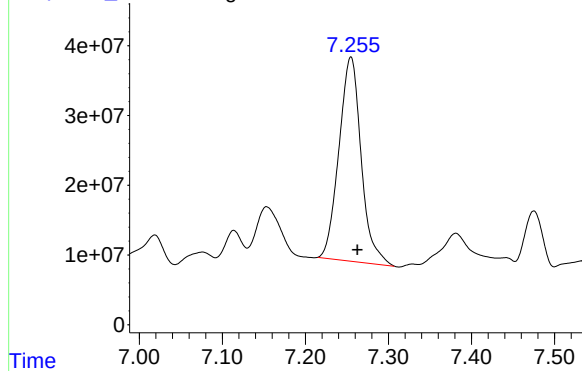




Response\_

Signal: PS028299.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.255 min  
Delta R.T.: -0.008 min  
Response: 544670850  
Conc: 212.64 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
C0P12

Manual Integrations  
APPROVED

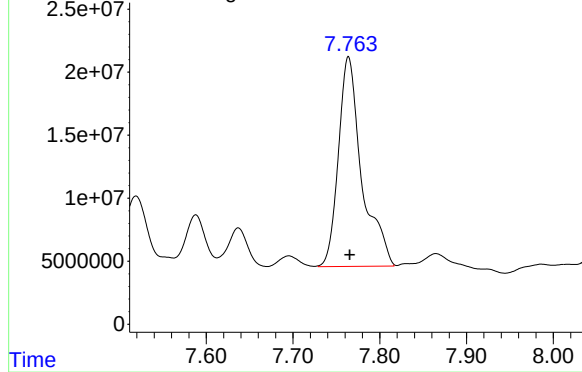
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response

Signal: PS028299.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.763 min  
Delta R.T.: -0.002 min  
Response: 311527978  
Conc: 178.86 ng/ml m

Time

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | C0PI6           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-21        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 85.5      |
| Sample Wt/Vol:     | 30.07           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028300.D        | 1         | 10/31/24 10:00 | 11/07/24 06:16 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 78.2  | U         | 10.1     | 78.2       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 78.2  | U         | 11.1     | 78.2       | ug/Kg             |
| 94-75-7           | 2,4-D             | 78.2  | U         | 14.1     | 78.2       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 78.2  | U         | 11.0     | 78.2       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 78.2  | U         | 11.8     | 78.2       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 78.2  | U         | 21.4     | 78.2       | ug/Kg             |
| 88-85-7           | DINOSEB           | 78.2  | U         | 14.5     | 78.2       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 419   |           | 10 - 141 | 84%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028300.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 06:16  
Operator : AR\AJ  
Sample : P4601-21  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI6

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:35:22 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| -----                       |       |       |          |         |          |          |
| System Monitoring Compounds |       |       |          |         |          |          |
| 4) S 2,4-DCAA               | 7.256 | 7.763 | 1073.0E6 | 643.9E6 | 418.903m | 369.667m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028300.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 06:16  
Operator : AR\AJ  
Sample : P4601-21  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

C0PI6

## Manual Integrations

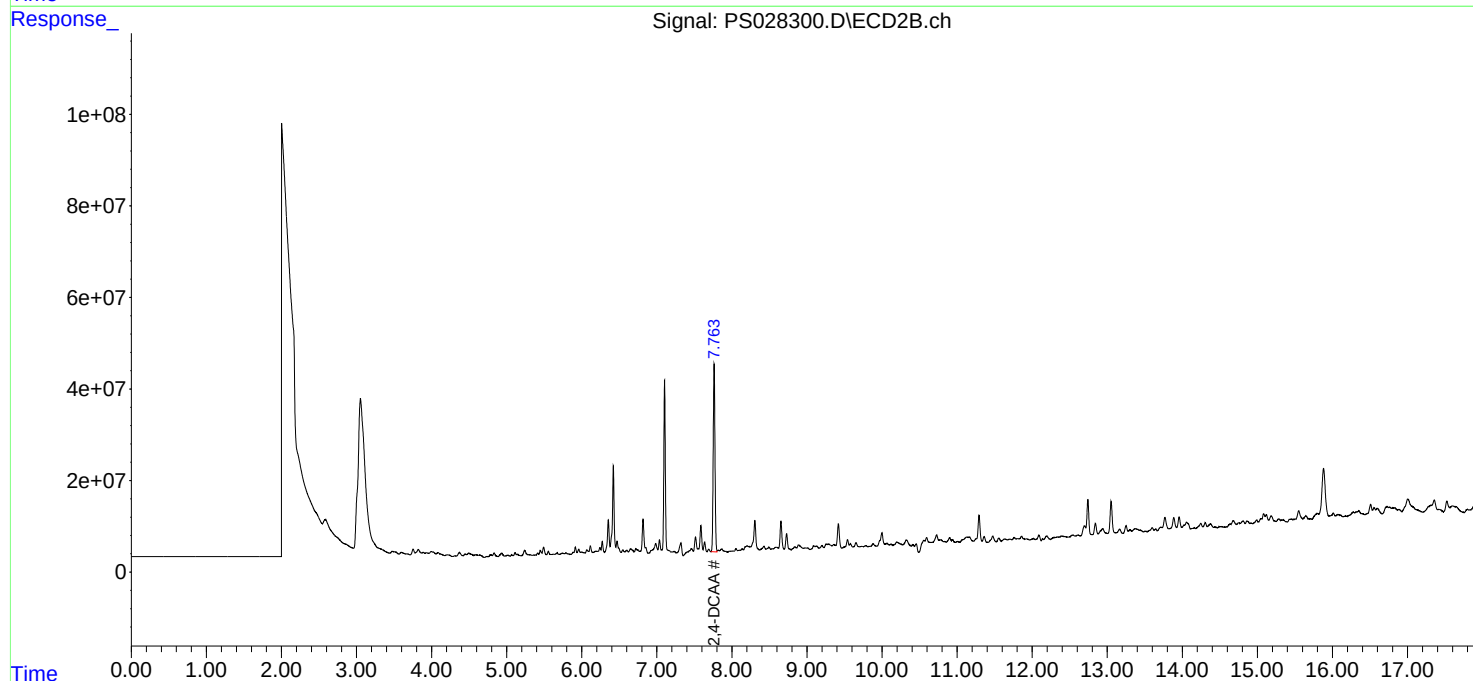
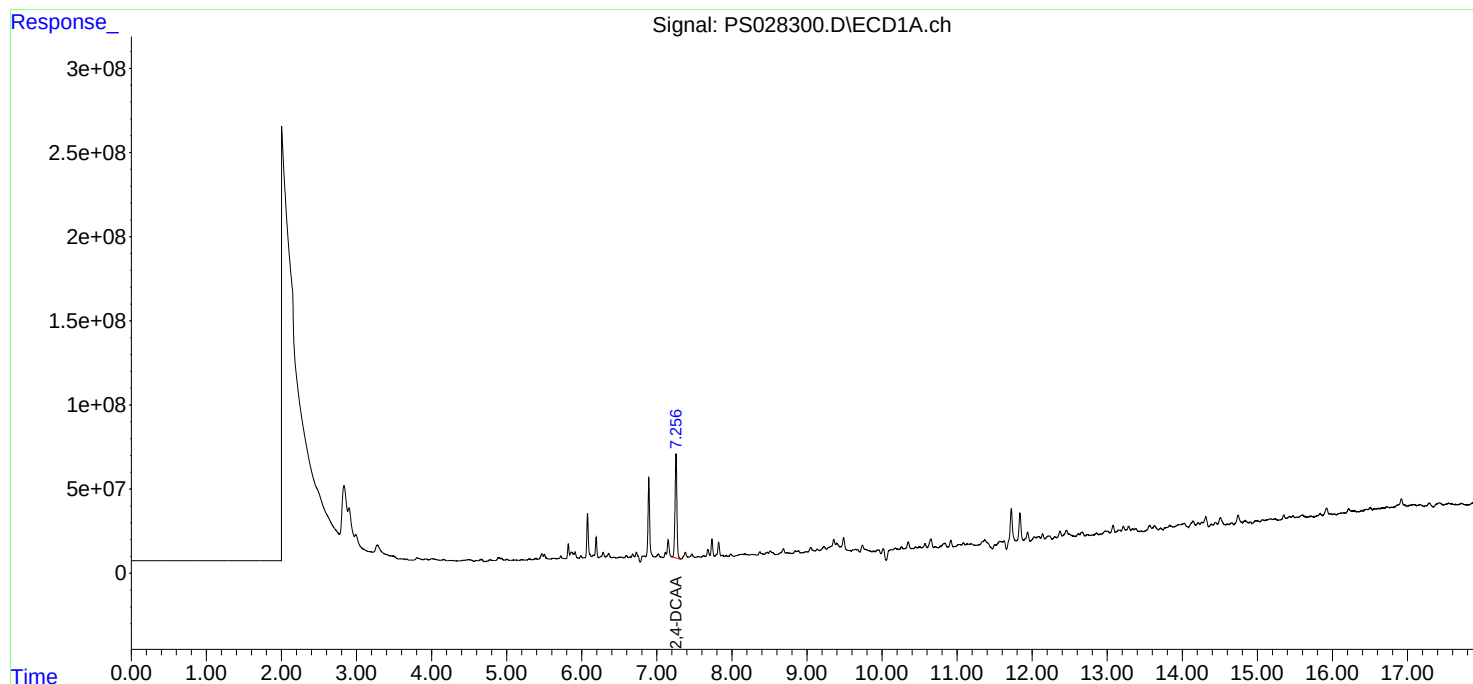
APPROVED

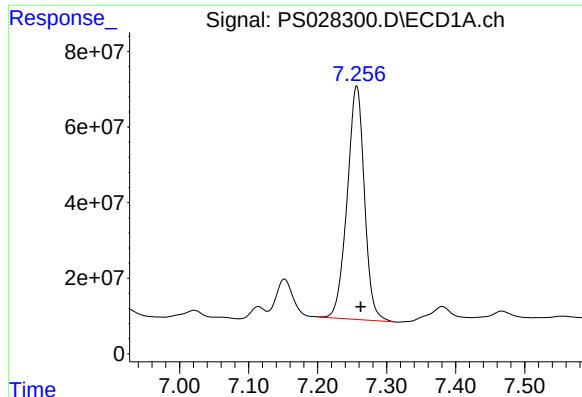
Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 06:35:22 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





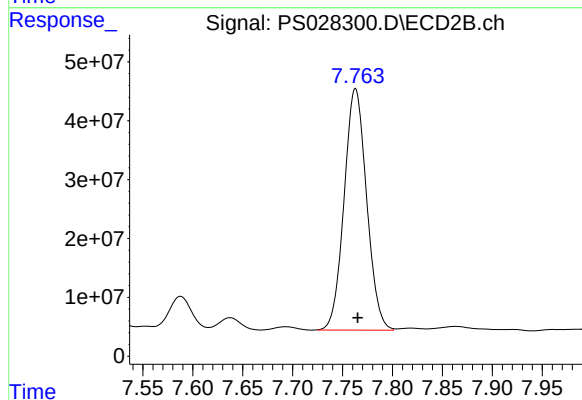
#4 2,4-DCAA

R.T.: 7.256 min  
Delta R.T.: -0.006 min  
Response: 1072984094  
Conc: 418.90 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI6

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.763 min  
Delta R.T.: -0.003 min  
Response: 643878487  
Conc: 369.67 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | C0PI8           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-22        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 81        |
| Sample Wt/Vol:     | 30.09           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028301.D        | 1         | 10/31/24 10:00 | 11/07/24 06:40 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 82.5  | U         | 10.7     | 82.5       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 82.5  | U         | 11.7     | 82.5       | ug/Kg             |
| 94-75-7           | 2,4-D             | 82.5  | U         | 14.9     | 82.5       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 82.5  | U         | 11.6     | 82.5       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 82.5  | U         | 12.4     | 82.5       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 82.5  | U         | 22.5     | 82.5       | ug/Kg             |
| 88-85-7           | DINOSEB           | 82.5  | U         | 15.3     | 82.5       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 251   |           | 10 - 141 | 50%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028301.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 06:40  
Operator : AR\AJ  
Sample : P4601-22  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI8

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 07:13:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.257 | 7.761 | 642.6E6 | 362.9E6 | 250.887m | 208.327m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028301.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 06:40  
Operator : AR\AJ  
Sample : P4601-22  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

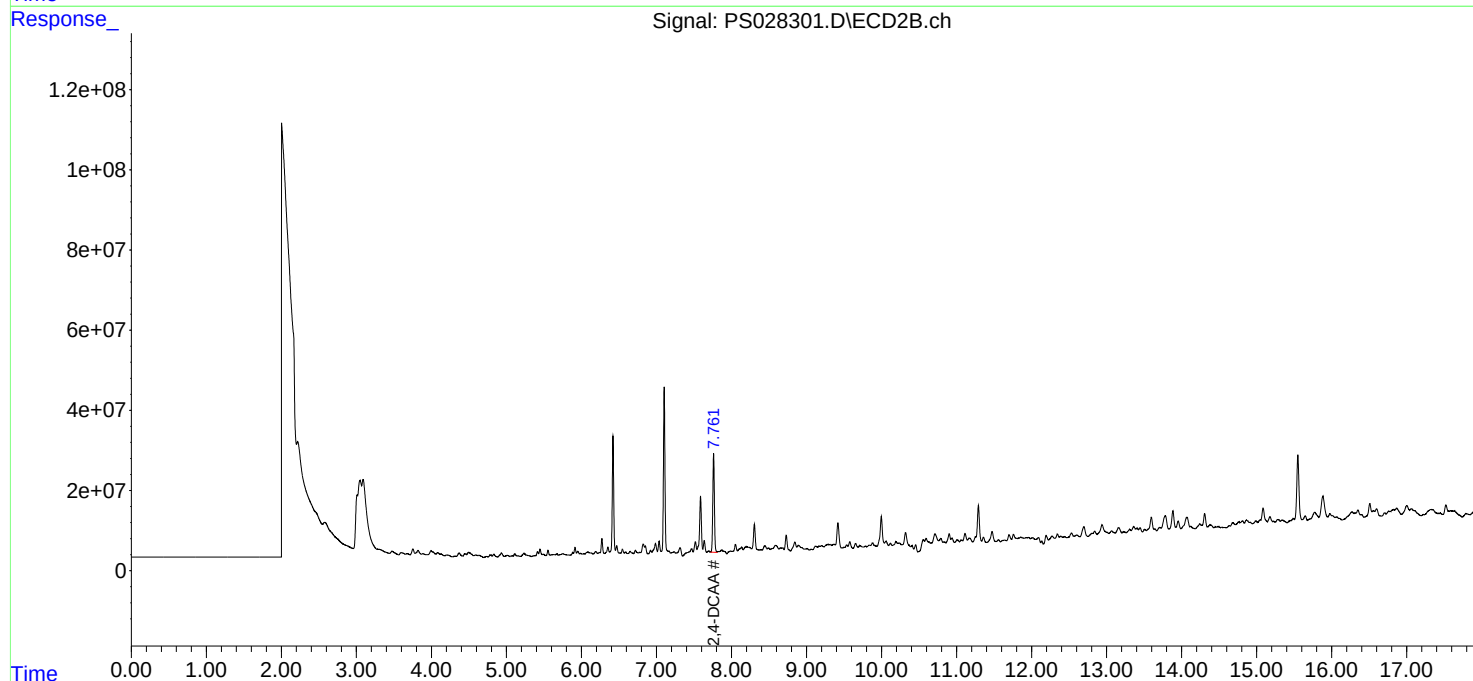
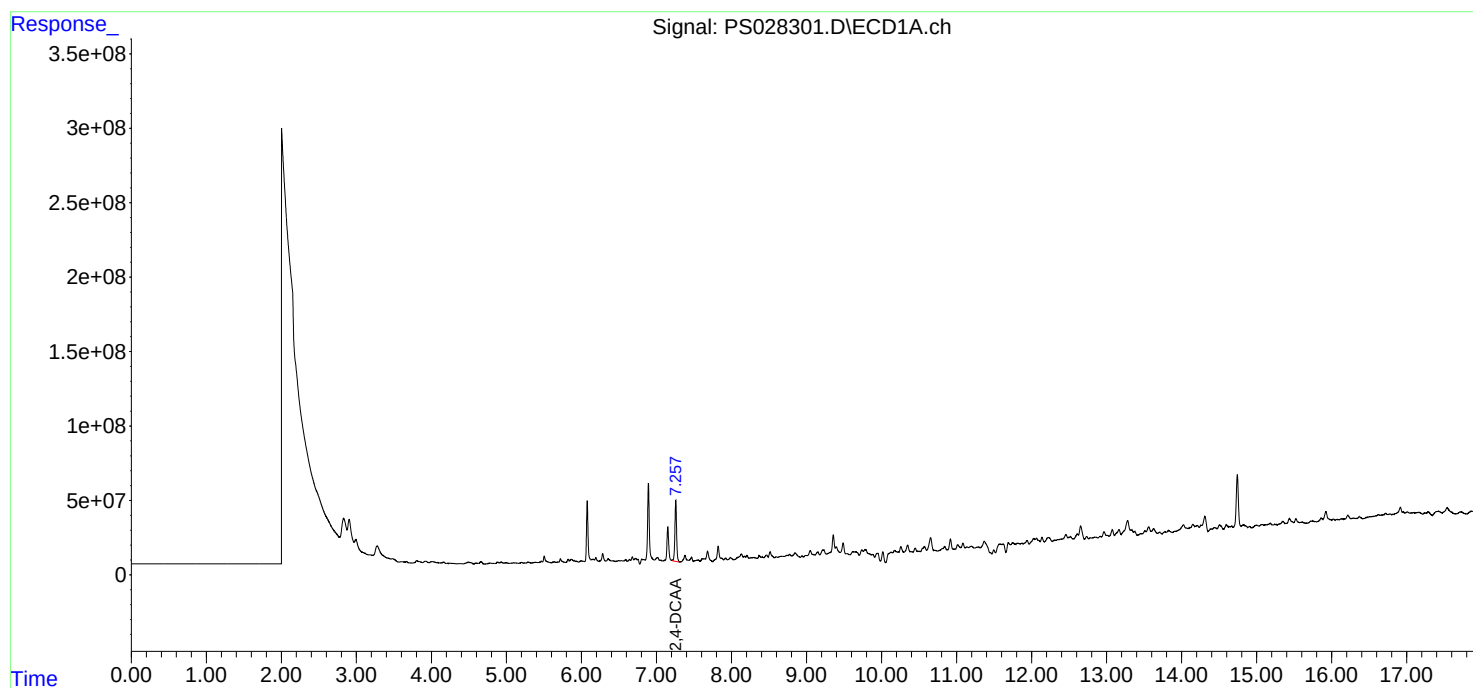
Instrument :  
ECD\_S  
ClientSampleId :  
C0PI8

Manual Integrations  
**APPROVED**

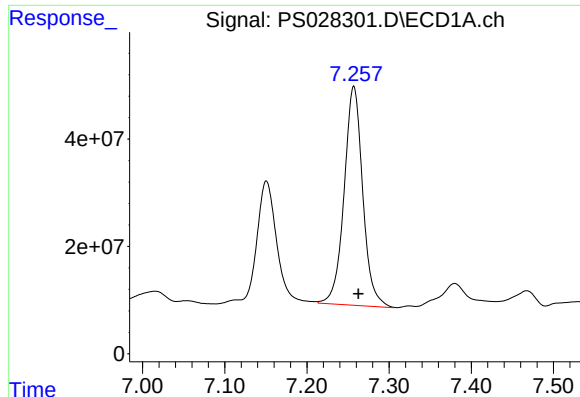
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 07:13:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







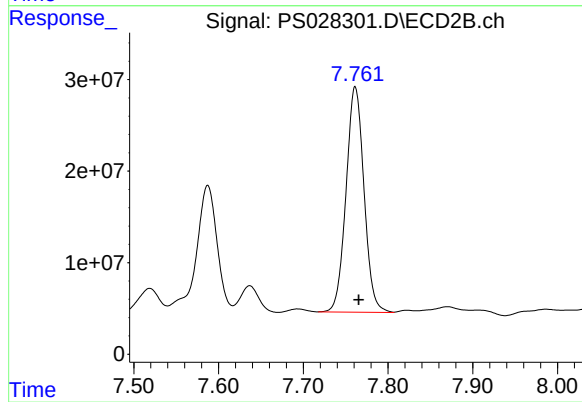
#4 2,4-DCAA

R.T.: 7.257 min  
Delta R.T.: -0.006 min  
Response: 642624959  
Conc: 250.89 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
C0P18

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.761 min  
Delta R.T.: -0.004 min  
Response: 362860223  
Conc: 208.33 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | C0PI9           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-23        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 86.9      |
| Sample Wt/Vol:     | 30.01           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028302.D        | 1         | 10/31/24 10:00 | 11/07/24 07:04 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 77.1  | U         | 10.0     | 77.1       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 77.1  | U         | 11.0     | 77.1       | ug/Kg             |
| 94-75-7           | 2,4-D             | 77.1  | U         | 13.9     | 77.1       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 77.1  | U         | 10.8     | 77.1       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 77.1  | U         | 11.6     | 77.1       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 77.1  | U         | 21.1     | 77.1       | ug/Kg             |
| 88-85-7           | DINOSEB           | 77.1  | U         | 14.3     | 77.1       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 467   |           | 10 - 141 | 93%        | SPK: 500          |

### 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\_S\Data\PS110624\  
 Data File : PS028302.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 07:04  
 Operator : AR\AJ  
 Sample : P4601-23  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 C0PI9

**Manual Integrations**  
**APPROVED**

Reviewed By :Abdul Mirza 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 07 07:14:38 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| -----                       |       |       |          |         |          |          |
| System Monitoring Compounds |       |       |          |         |          |          |
| 4) S 2,4-DCAA               | 7.256 | 7.761 | 1196.6E6 | 720.0E6 | 467.148m | 413.396m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028302.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 07:04  
Operator : AR\AJ  
Sample : P4601-23  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

C0PI9

## Manual Integrations

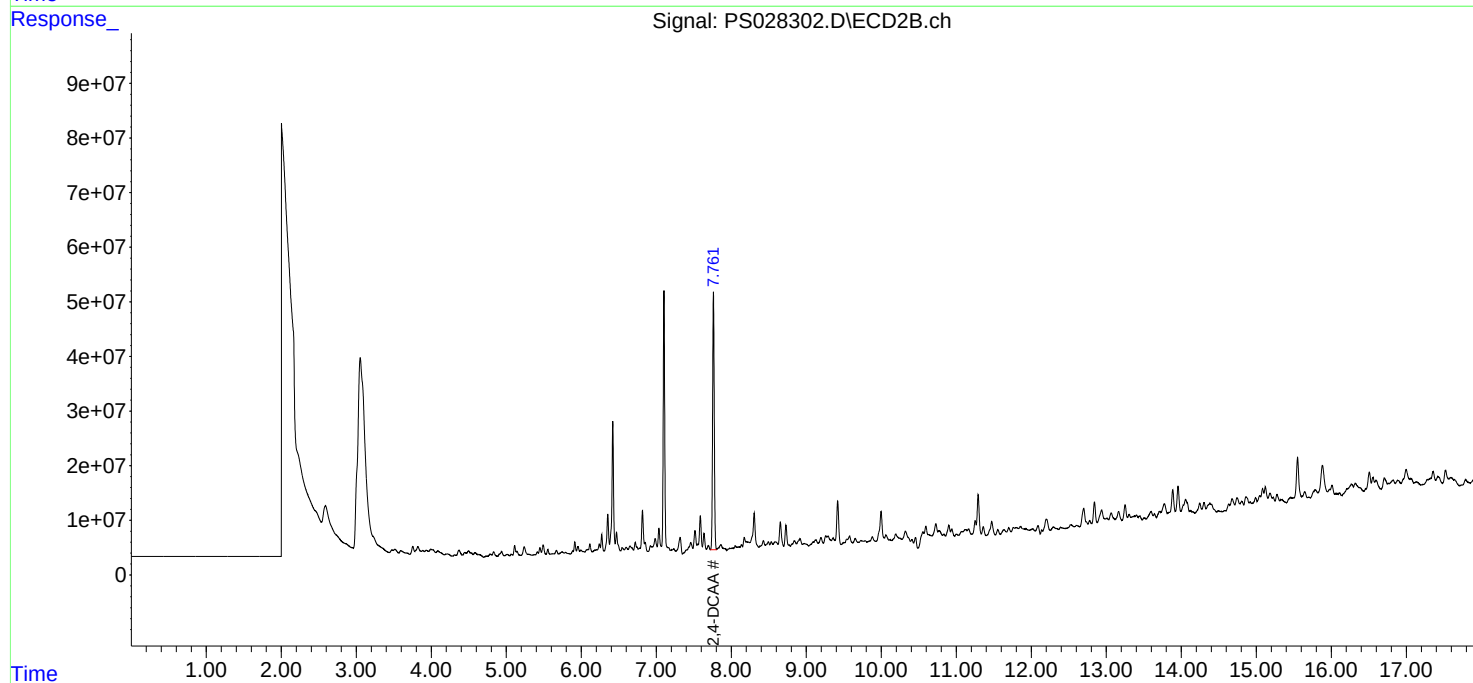
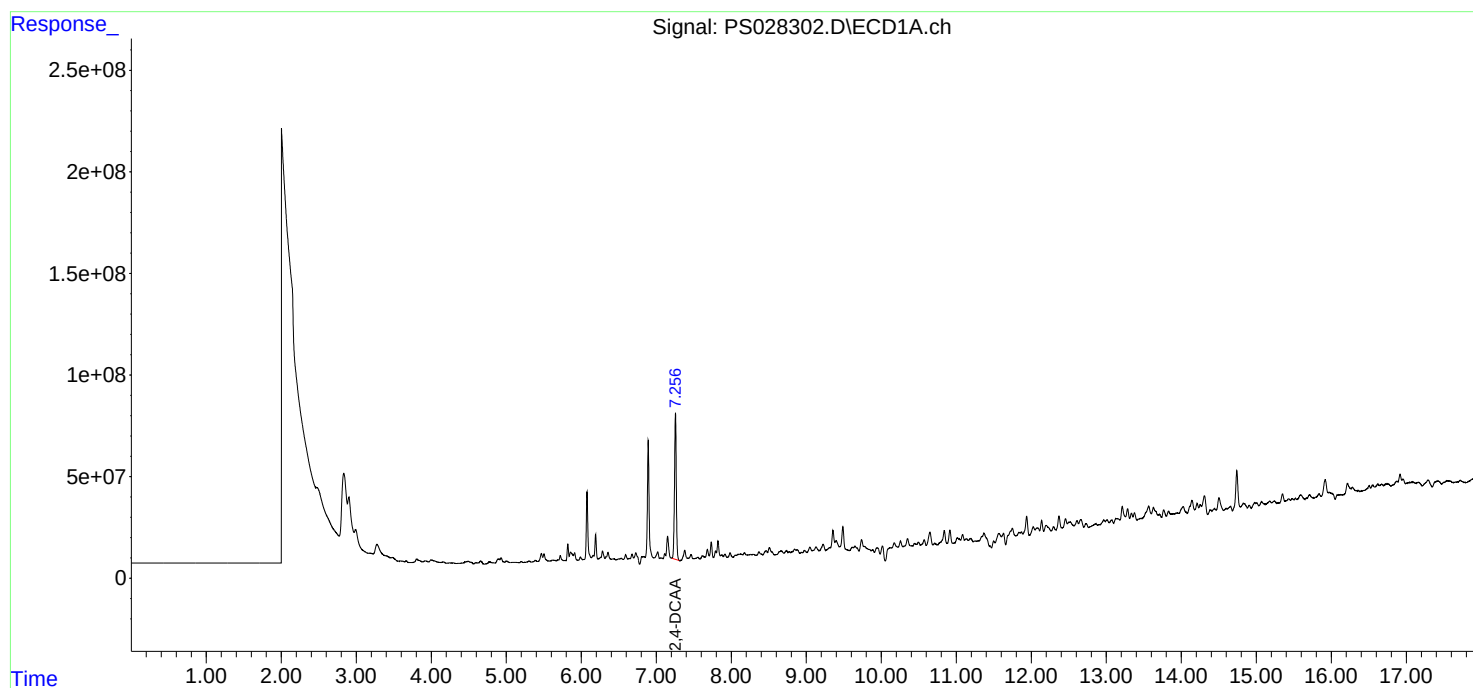
APPROVED

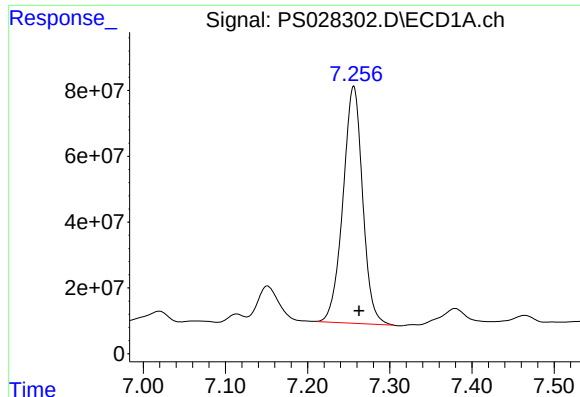
Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 07:14:38 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





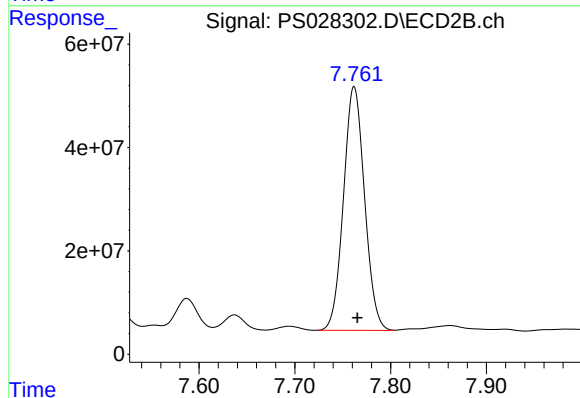
#4 2,4-DCAA

R.T.: 7.256 min  
Delta R.T.: -0.007 min  
Response: 1196559320  
Conc: 467.15 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
C0PI9

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.761 min  
Delta R.T.: -0.004 min  
Response: 720044406  
Conc: 413.40 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0P1           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-24        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 95.3      |
| Sample Wt/Vol:     | 30.1            | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028303.D        | 1         | 10/31/24 10:00 | 11/07/24 07:28 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 70.1  | U         | 9.10     | 70.1       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 70.1  | U         | 10.0     | 70.1       | ug/Kg             |
| 94-75-7           | 2,4-D             | 70.1  | U         | 12.7     | 70.1       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 70.1  | U         | 9.80     | 70.1       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 70.1  | U         | 10.6     | 70.1       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 70.1  | U         | 19.1     | 70.1       | ug/Kg             |
| 88-85-7           | DINOSEB           | 70.1  | U         | 13.0     | 70.1       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 461   |           | 10 - 141 | 92%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028303.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 07:28  
Operator : AR\AJ  
Sample : P4601-24  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0P1

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:02:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|---------|---------|----------|
| -----                       |       |       |          |         |         |          |
| System Monitoring Compounds |       |       |          |         |         |          |
| 4) S 2,4-DCAA               | 7.256 | 7.760 | 1181.8E6 | 656.9E6 | 461.374 | 377.134m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028303.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 07:28  
Operator : AR\AJ  
Sample : P4601-24  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

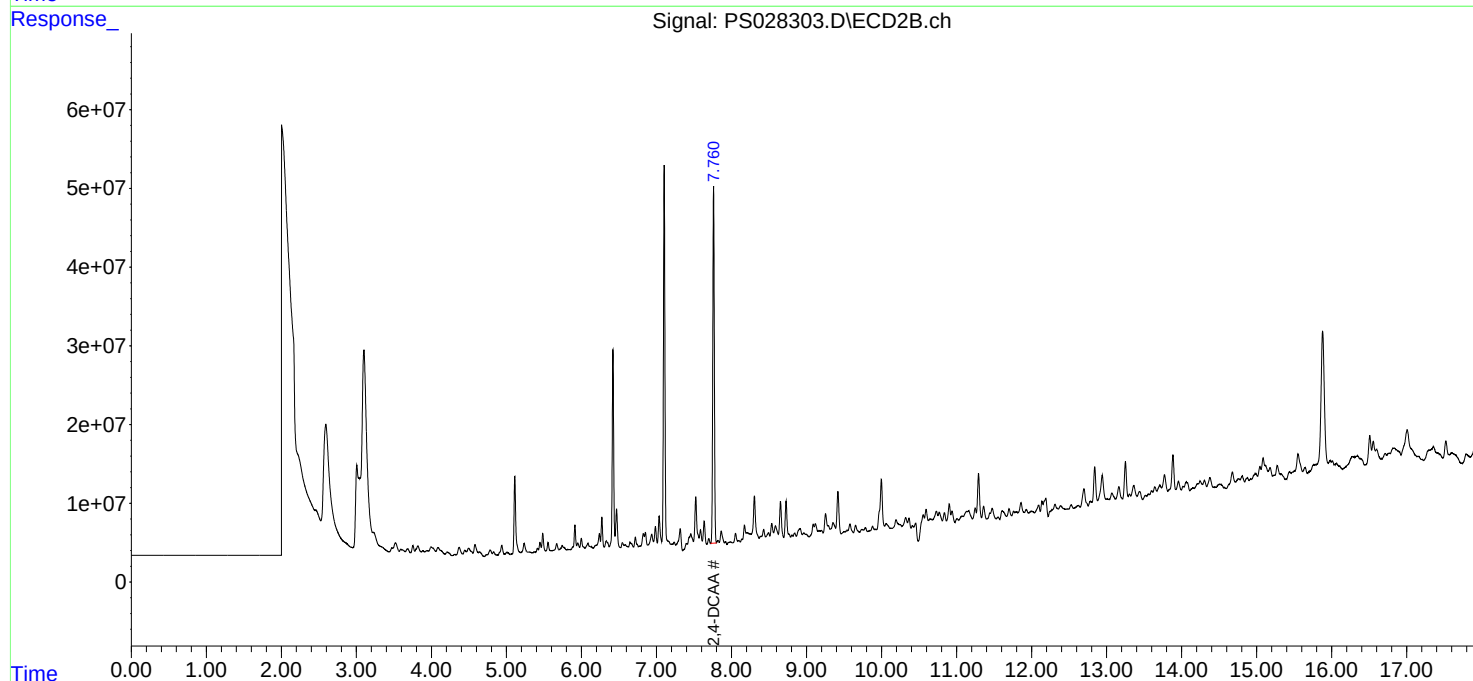
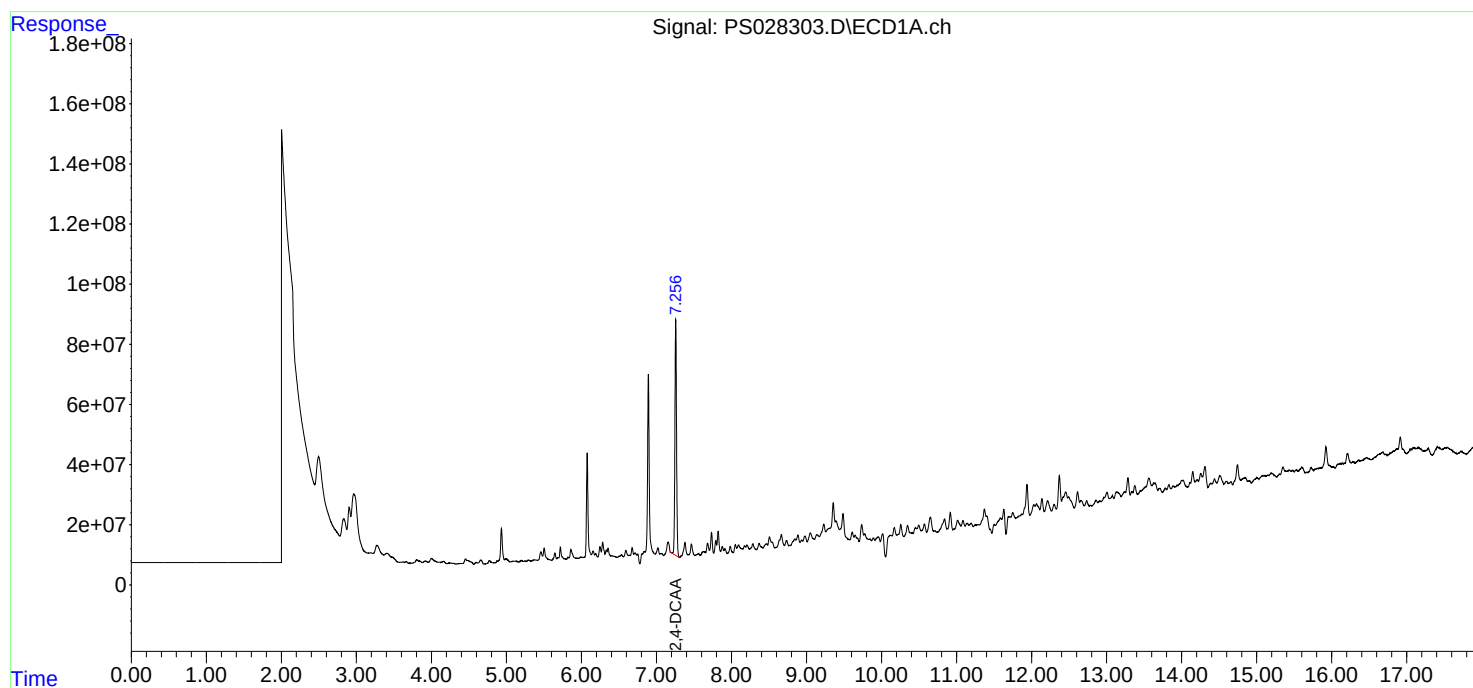
Instrument :  
ECD\_S  
ClientSampleId :  
CC0P1

Manual Integrations  
**APPROVED**

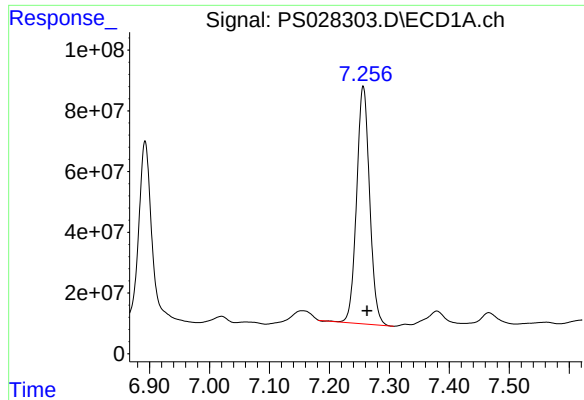
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:02:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







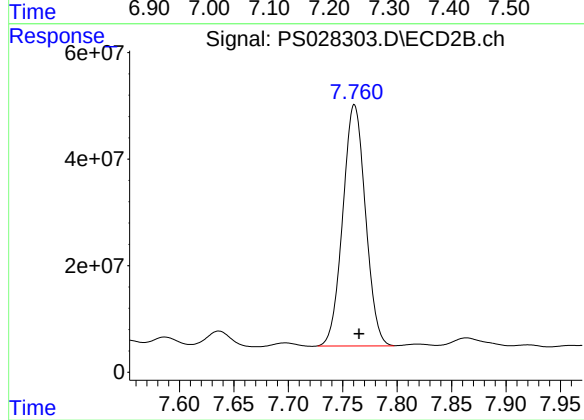
#4 2,4-DCAA

R.T.: 7.256 min  
Delta R.T.: -0.006 min  
Response: 1181770689  
Conc: 461.37 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0P1

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.760 min  
Delta R.T.: -0.005 min  
Response: 656884904  
Conc: 377.13 ng/ml m

## Report of Analysis

|                    |                        |                    |                     |
|--------------------|------------------------|--------------------|---------------------|
| Client:            | Tetra Tech, EMI        | Date Collected:    | 10/22/24            |
| Project:           | R36704                 | Date Received:     | 10/29/24            |
| Client Sample ID:  | CC0P3                  | SDG No.:           | P4601               |
| Lab Sample ID:     | P4601-25               | Matrix:            | SOIL                |
| Analytical Method: | SW8151A                | % Solid:           | 87.7      Decanted: |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:         | 10000      uL       |
| Soil Aliquot Vol:  | uL                     | Test:              | Herbicide           |
| Extraction Type:   |                        | Injection Volume : |                     |
| GPC Factor :       | 1.0      PH :          |                    |                     |
| Prep Method :      | 8151A                  |                    |                     |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028304.D        | 1         | 10/31/24 10:00 | 11/07/24 07:52 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 76.3  | U         | 9.90     | 76.3       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 76.3  | U         | 10.9     | 76.3       | ug/Kg             |
| 94-75-7           | 2,4-D             | 76.3  | U         | 13.8     | 76.3       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 76.3  | U         | 10.7     | 76.3       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 76.3  | U         | 11.5     | 76.3       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 76.3  | U         | 20.8     | 76.3       | ug/Kg             |
| 88-85-7           | DINOSEB           | 76.3  | U         | 14.1     | 76.3       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 337   |           | 10 - 141 | 67%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028304.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 07:52  
Operator : AR\AJ  
Sample : P4601-25  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0P3

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:03:44 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.255 | 7.761 | 863.1E6 | 488.9E6 | 336.976m | 280.715m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028304.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 07:52  
Operator : AR\AJ  
Sample : P4601-25  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

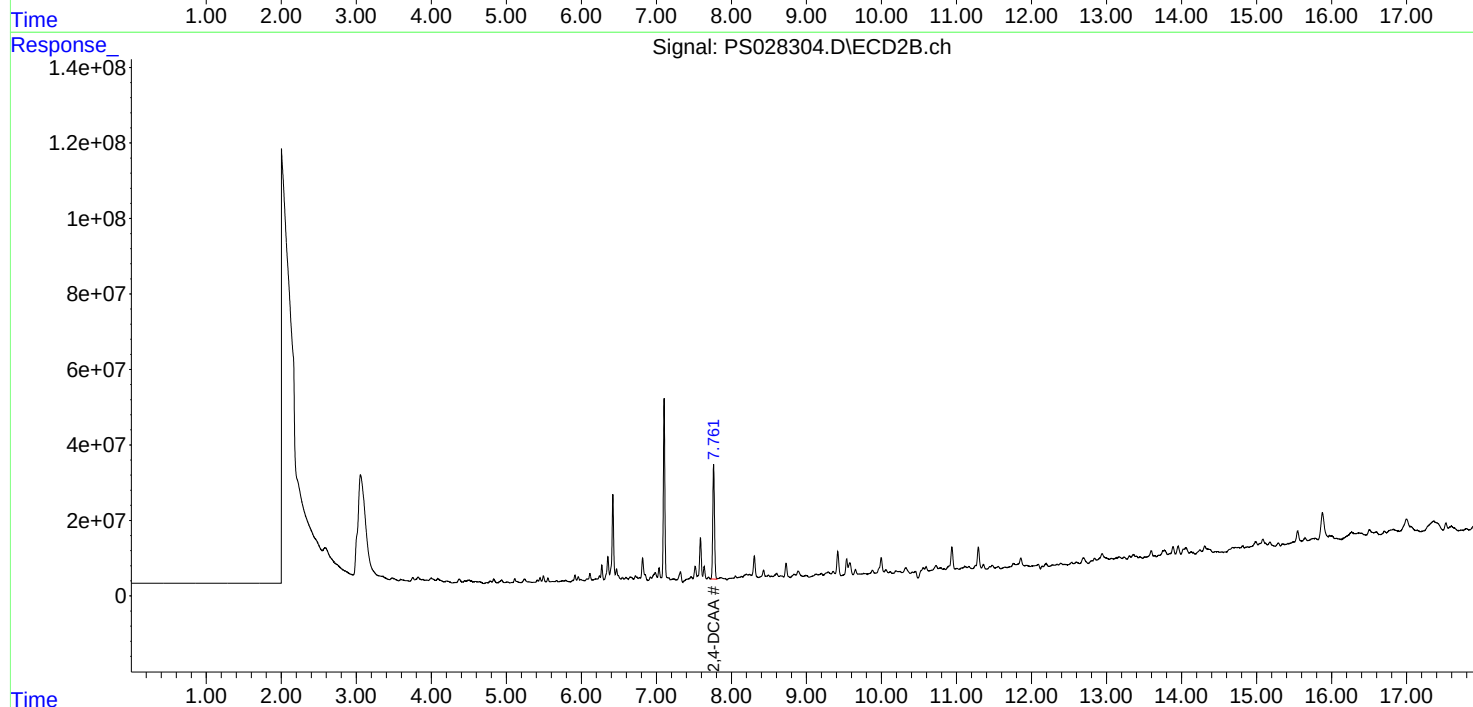
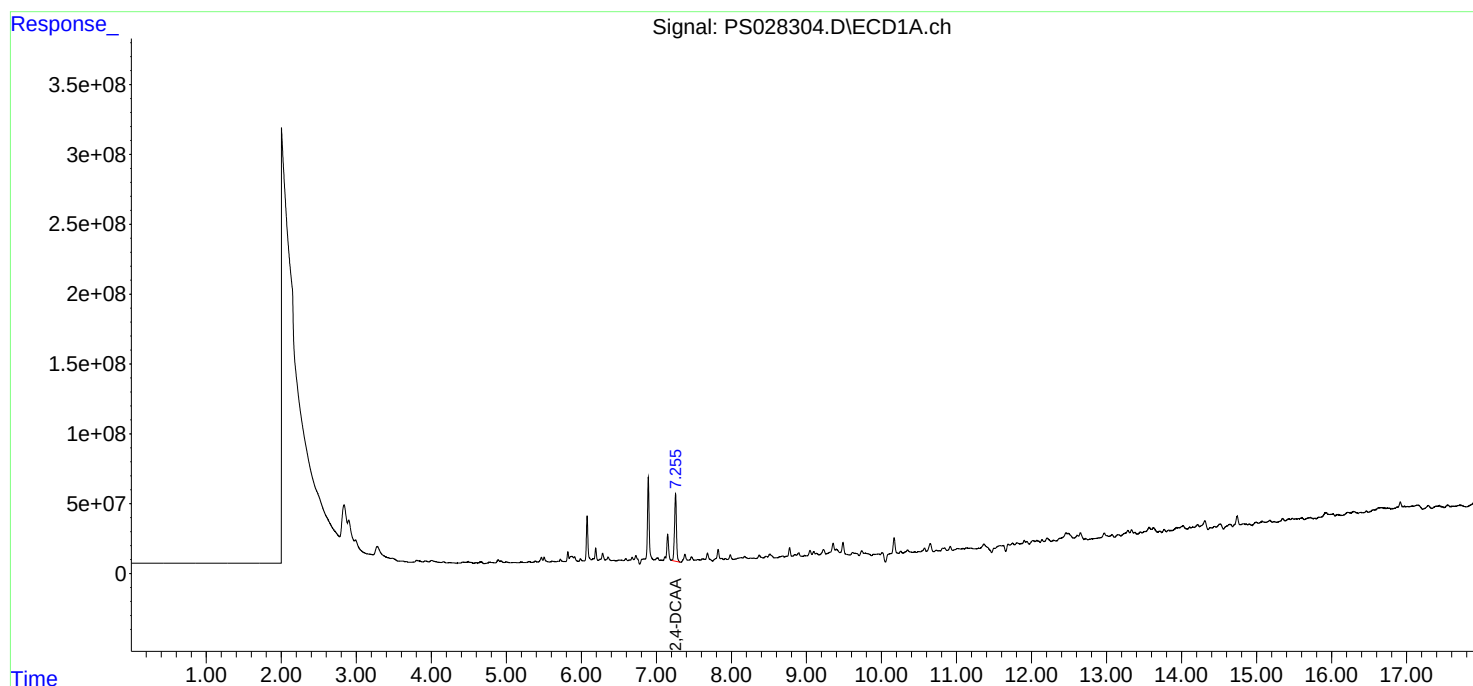
Instrument :  
ECD\_S  
ClientSampleId :  
CC0P3

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 11/08/2024  
Supervised By : Ankita Jodhani 11/08/2024

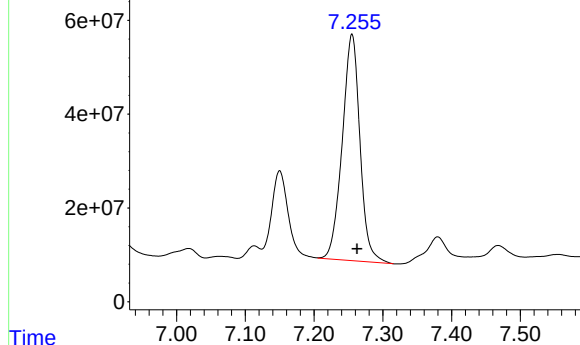
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:03:44 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028304.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.255 min  
Delta R.T.: -0.008 min  
Response: 863136032  
Conc: 336.98 ng/ml

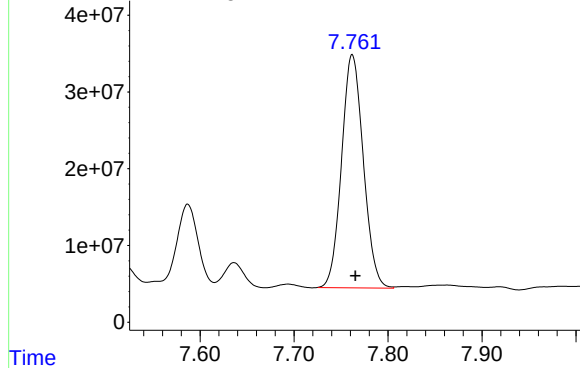
Instrument :  
ECD\_S  
ClientSampleId :  
CC0P3

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028304.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.761 min  
Delta R.T.: -0.004 min  
Response: 488944532  
Conc: 280.72 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0P5           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-26        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 88.9      |
| Sample Wt/Vol:     | 30.06           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028305.D        | 1         | 10/31/24 10:00 | 11/07/24 08:16 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 75.2  | U         | 9.70     | 75.2       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 75.2  | U         | 10.7     | 75.2       | ug/Kg             |
| 94-75-7           | 2,4-D             | 75.2  | U         | 13.6     | 75.2       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 75.2  | U         | 10.5     | 75.2       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 75.2  | U         | 11.3     | 75.2       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 75.2  | U         | 20.5     | 75.2       | ug/Kg             |
| 88-85-7           | DINOSEB           | 75.2  | U         | 13.9     | 75.2       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 379   |           | 10 - 141 | 76%        | SPK: 500          |

### 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\_S\Data\PS110624\  
 Data File : PS028305.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 08:16  
 Operator : AR\AJ  
 Sample : P4601-26  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 CC0P5

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 03:04:43 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.255 | 7.762 | 970.2E6 | 516.5E6 | 378.775m | 296.525m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028305.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 08:16  
Operator : AR\AJ  
Sample : P4601-26  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0P5

## Manual Integrations

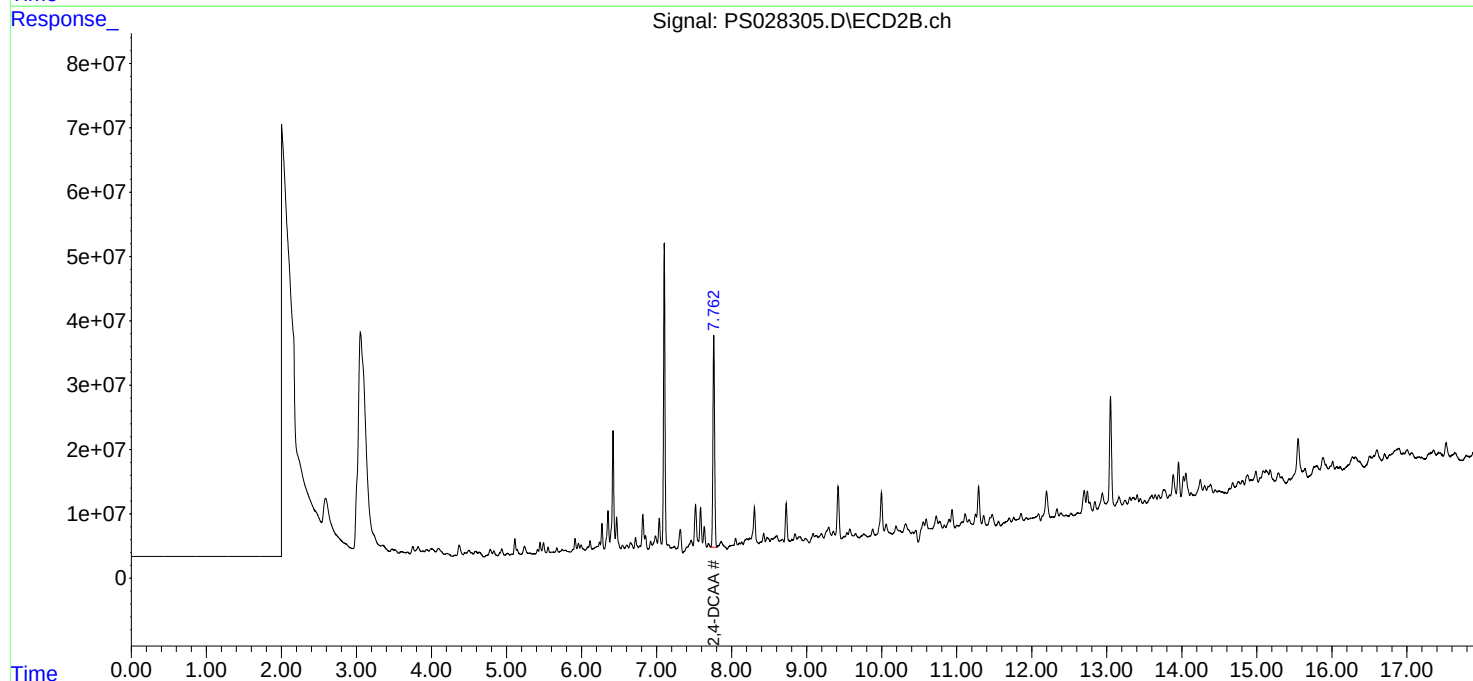
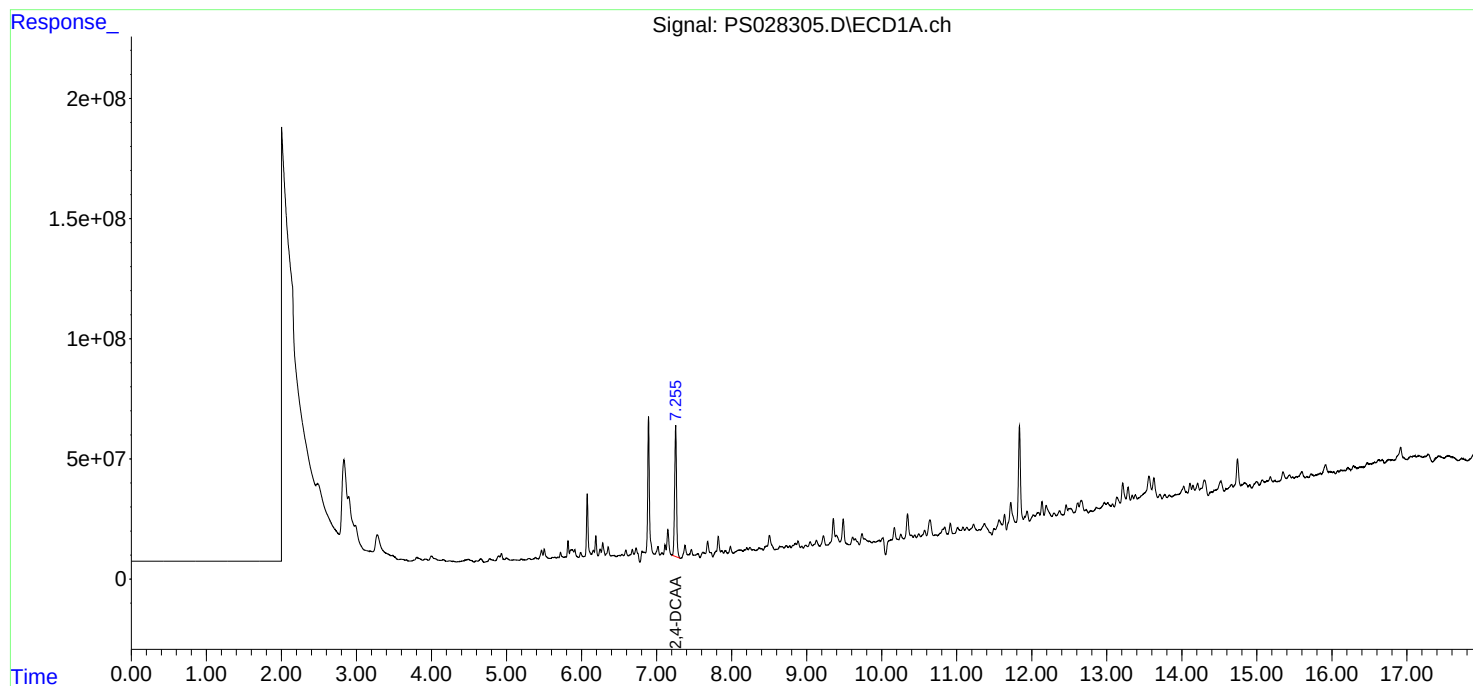
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:04:43 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

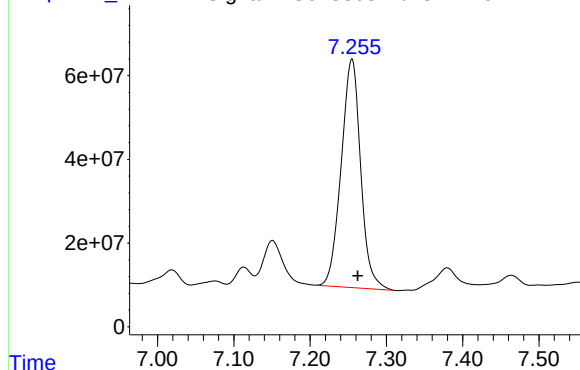
Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Signal: PS028305.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.255 min  
Delta R.T.: -0.008 min  
Response: 970198713  
Conc: 378.77 ng/ml

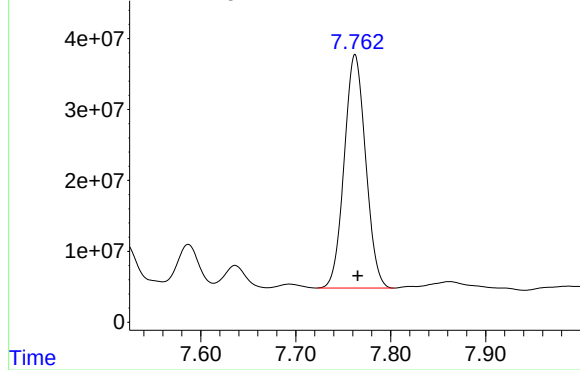
Instrument :  
ECD\_S  
ClientSampleId :  
CC0P5

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Signal: PS028305.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.762 min  
Delta R.T.: -0.003 min  
Response: 516480944  
Conc: 296.52 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0P7           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-27        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 88        |
| Sample Wt/Vol:     | 30.09           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | Injection Volume : |           |
| Prep Method :      | 8151A           |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028306.D        | 1         | 10/31/24 10:00 | 11/07/24 08:40 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 75.9  | U         | 9.80     | 75.9       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 75.9  | U         | 10.8     | 75.9       | ug/Kg             |
| 94-75-7           | 2,4-D             | 75.9  | U         | 13.7     | 75.9       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 75.9  | U         | 10.6     | 75.9       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 75.9  | U         | 11.4     | 75.9       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 75.9  | U         | 20.7     | 75.9       | ug/Kg             |
| 88-85-7           | DINOSEB           | 75.9  | U         | 14.0     | 75.9       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 214   |           | 10 - 141 | 43%        | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028306.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 08:40  
Operator : AR\AJ  
Sample : P4601-27  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0P7

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:05:42 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.255 | 7.760 | 547.6E6 | 281.6E6 | 213.797m | 161.646m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028306.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 08:40  
Operator : AR\AJ  
Sample : P4601-27  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0P7

## Manual Integrations

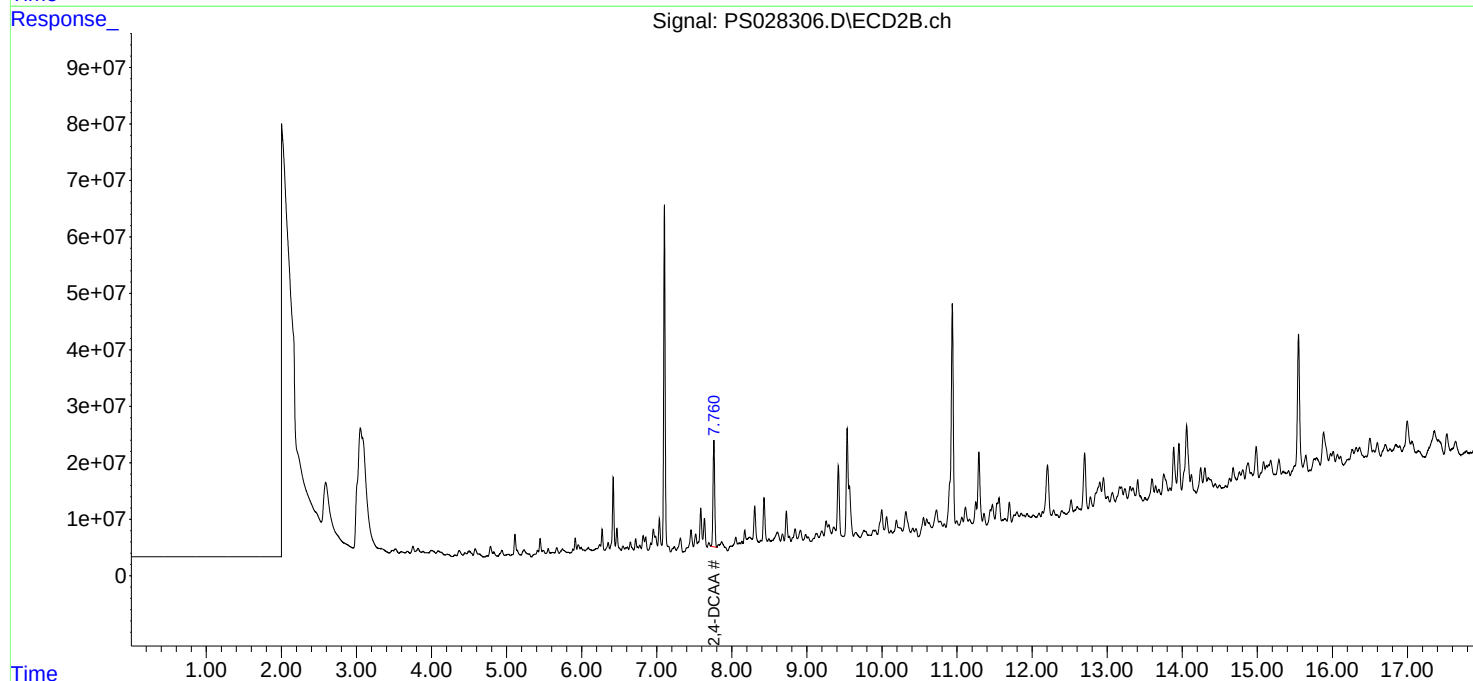
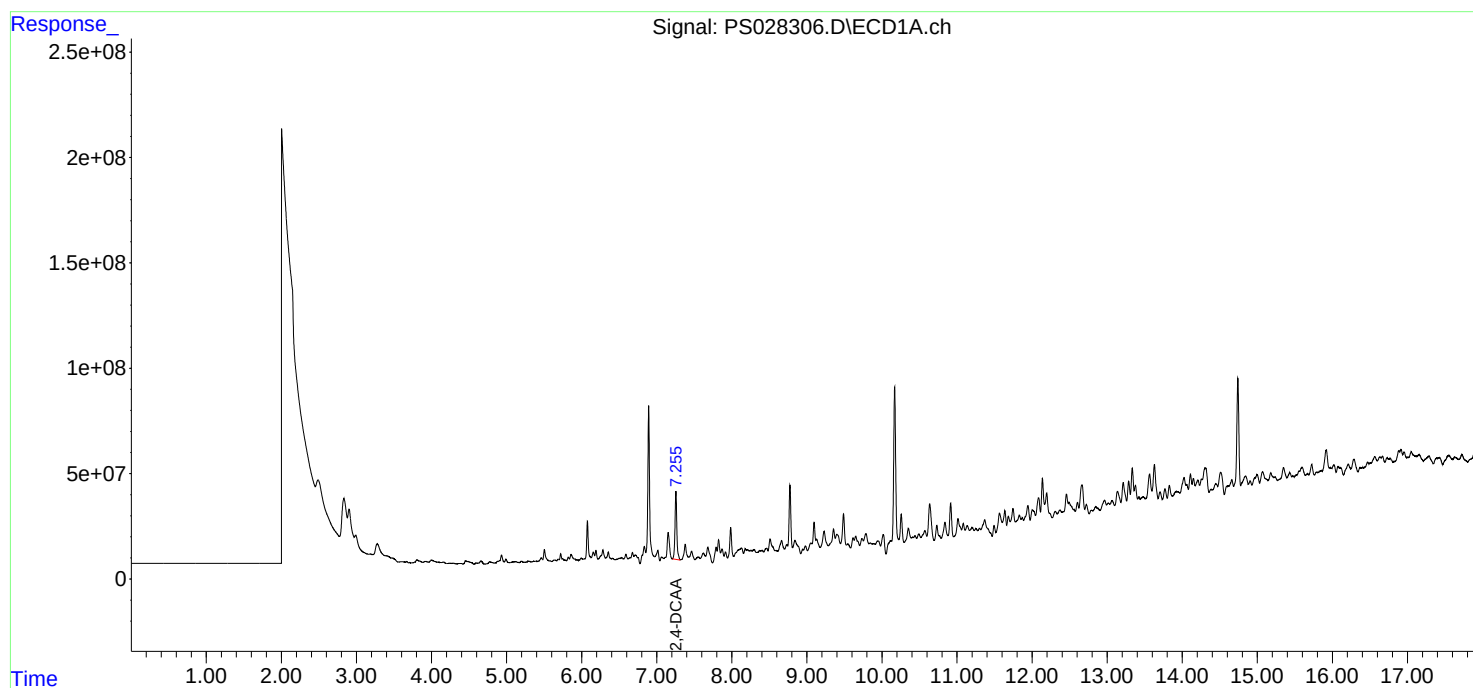
APPROVED

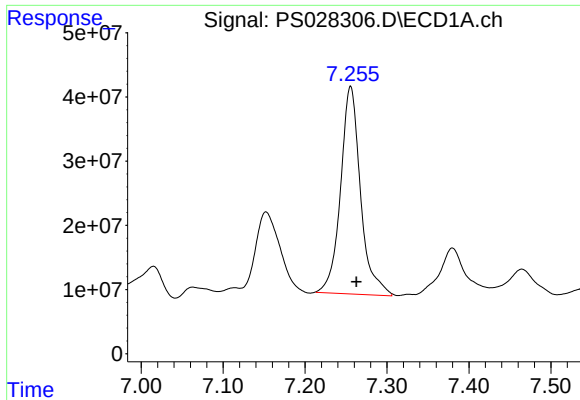
Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:05:42 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





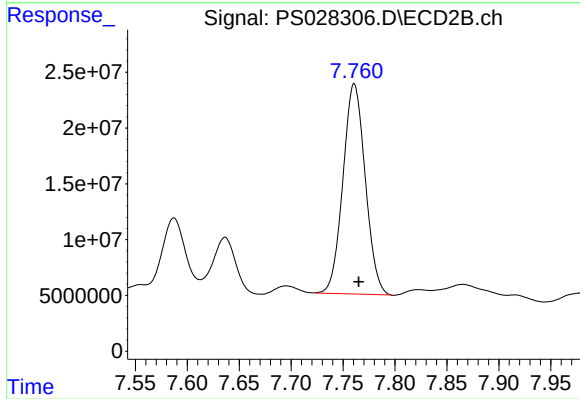
#4 2,4-DCAA

R.T.: 7.255 min  
Delta R.T.: -0.007 min  
Response: 547623270  
Conc: 213.80 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0P7

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.760 min  
Delta R.T.: -0.005 min  
Response: 281552636  
Conc: 161.65 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/22/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0P9           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-28        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 88.3      |
| Sample Wt/Vol:     | 30.01           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028307.D        | 1         | 10/31/24 10:00 | 11/07/24 09:04 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 75.9  | U         | 9.80     | 75.9       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 75.9  | U         | 10.8     | 75.9       | ug/Kg             |
| 94-75-7           | 2,4-D             | 75.9  | U         | 13.7     | 75.9       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 75.9  | U         | 10.6     | 75.9       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 75.9  | U         | 11.4     | 75.9       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 75.9  | U         | 20.7     | 75.9       | ug/Kg             |
| 88-85-7           | DINOSEB           | 75.9  | U         | 14.0     | 75.9       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 231   |           | 10 - 141 | 46%        | SPK: 500          |

### 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\_S\Data\PS110624\  
 Data File : PS028307.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 09:04  
 Operator : AR\AJ  
 Sample : P4601-28  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 CC0P9

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 03:06:39 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|---------|---------|----------|----------|
| -----                       |       |       |         |         |          |          |
| System Monitoring Compounds |       |       |         |         |          |          |
| 4) S 2,4-DCAA               | 7.256 | 7.760 | 592.9E6 | 340.9E6 | 231.476m | 195.724m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028307.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 09:04  
Operator : AR\AJ  
Sample : P4601-28  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

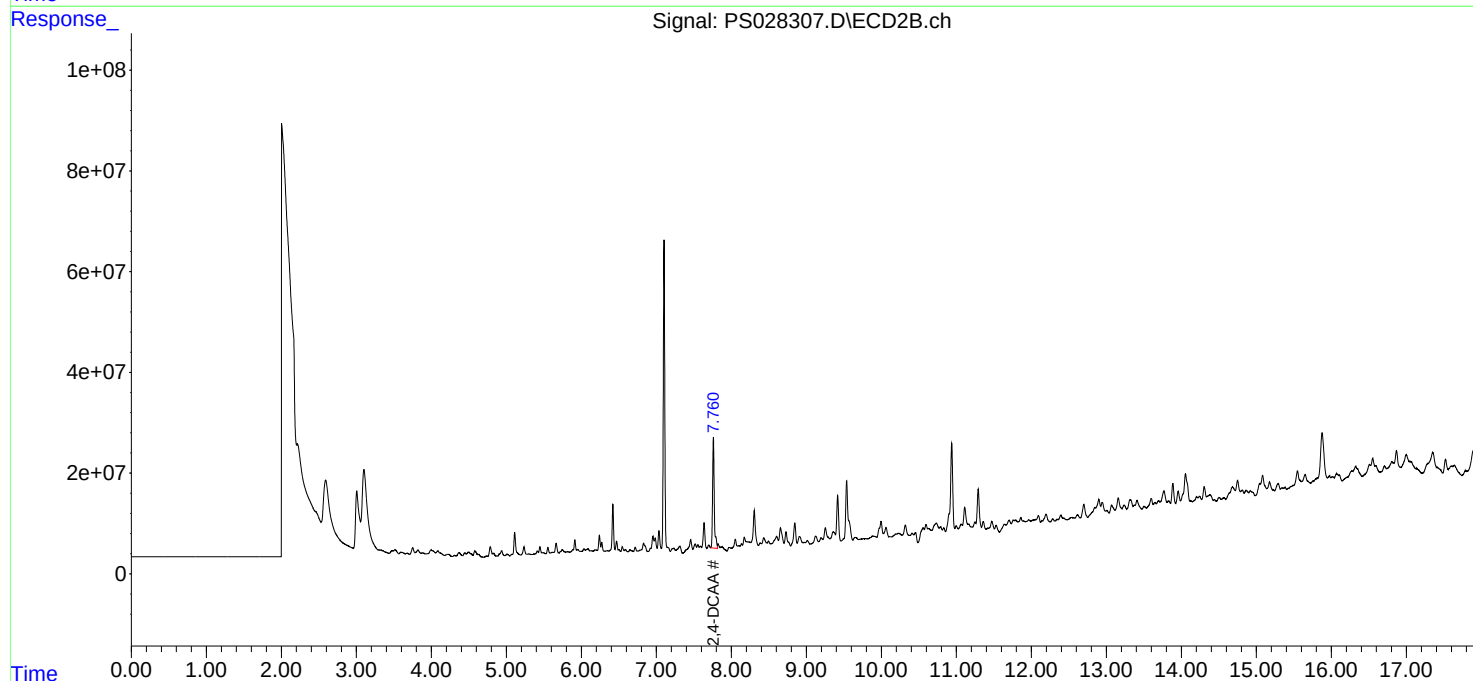
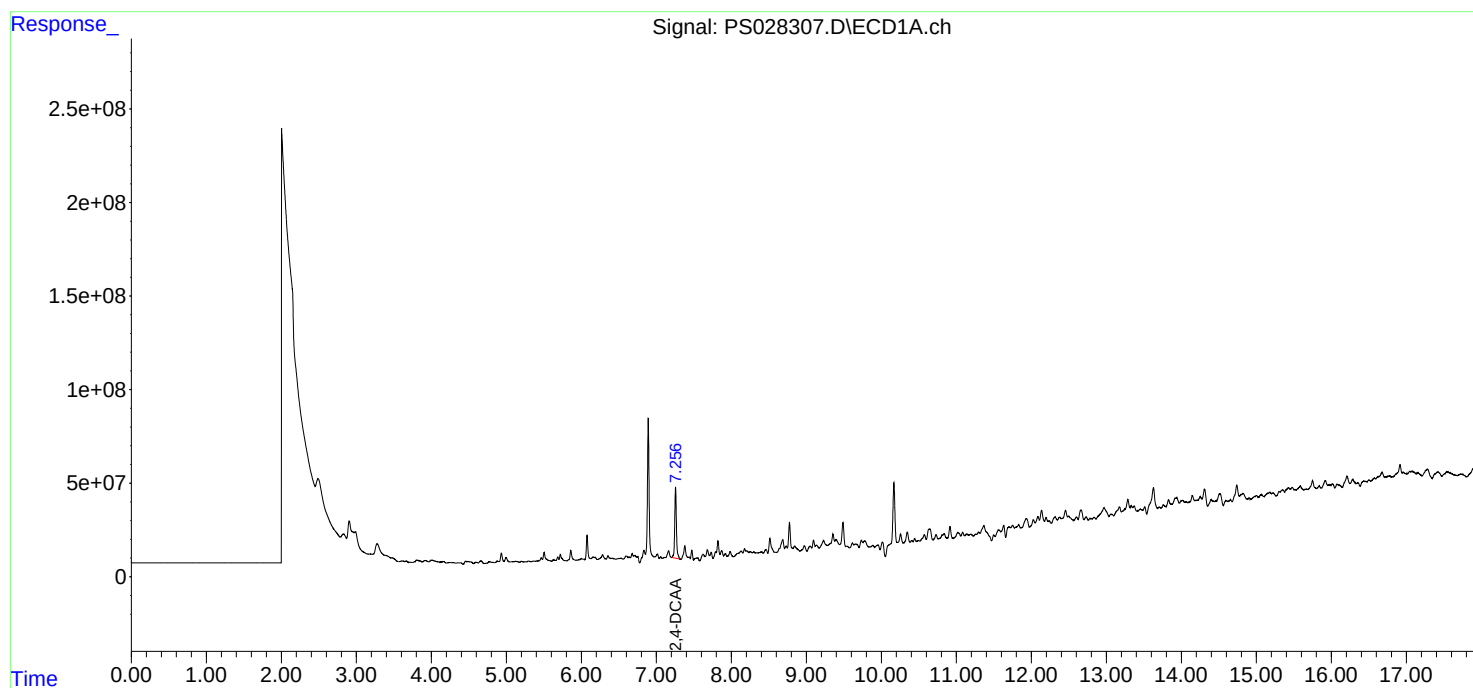
Instrument :  
ECD\_S  
ClientSampleId :  
CC0P9

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 03:06:39 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Response\_

Signal: PS028307.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.256 min

Delta R.T.: -0.007 min

Response: 592905966

Conc: 231.48 ng/ml

Instrument :

ECD\_S

ClientSampleId :

CC0P9

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028307.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.760 min

Delta R.T.: -0.005 min

Response: 340908591

Conc: 195.72 ng/ml m

Time

## Report of Analysis

|                    |                 |          |                    |           |           |
|--------------------|-----------------|----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI |          | Date Collected:    | 10/22/24  |           |
| Project:           | R36704          |          | Date Received:     | 10/29/24  |           |
| Client Sample ID:  | CC0Q1           |          | SDG No.:           | P4601     |           |
| Lab Sample ID:     | P4601-29        |          | Matrix:            | SOIL      |           |
| Analytical Method: | SW8151A         |          | % Solid:           | 88        | Decanted: |
| Sample Wt/Vol:     | 30.07           | Units: g | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | Herbicide |           |
| Extraction Type:   |                 |          | Injection Volume : |           |           |
| GPC Factor :       | 1.0             | PH :     |                    |           |           |
| Prep Method :      | 8151A           |          |                    |           |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028395.D        | 1         | 10/31/24 10:00 | 11/11/24 12:05 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 76.0  | U         | 9.80     | 76.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 76.0  | U         | 10.8     | 76.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 76.0  | U         | 13.7     | 76.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 76.0  | U         | 10.6     | 76.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 76.0  | U         | 11.5     | 76.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 76.0  | U         | 20.7     | 76.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 76.0  | U         | 14.1     | 76.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 261   |           | 10 - 141 | 52%        | SPK: 500          |

### 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\_S\Data\PS111124\  
Data File : PS028395.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:05  
Operator : AR\AJ  
Sample : P4601-29  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:10:09 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 4) S 2,4-DCAA               | 7.247 | 7.750 | 719.9E6 | 328.6E6 | 260.757 | 206.198 |

Target Compounds  
-----

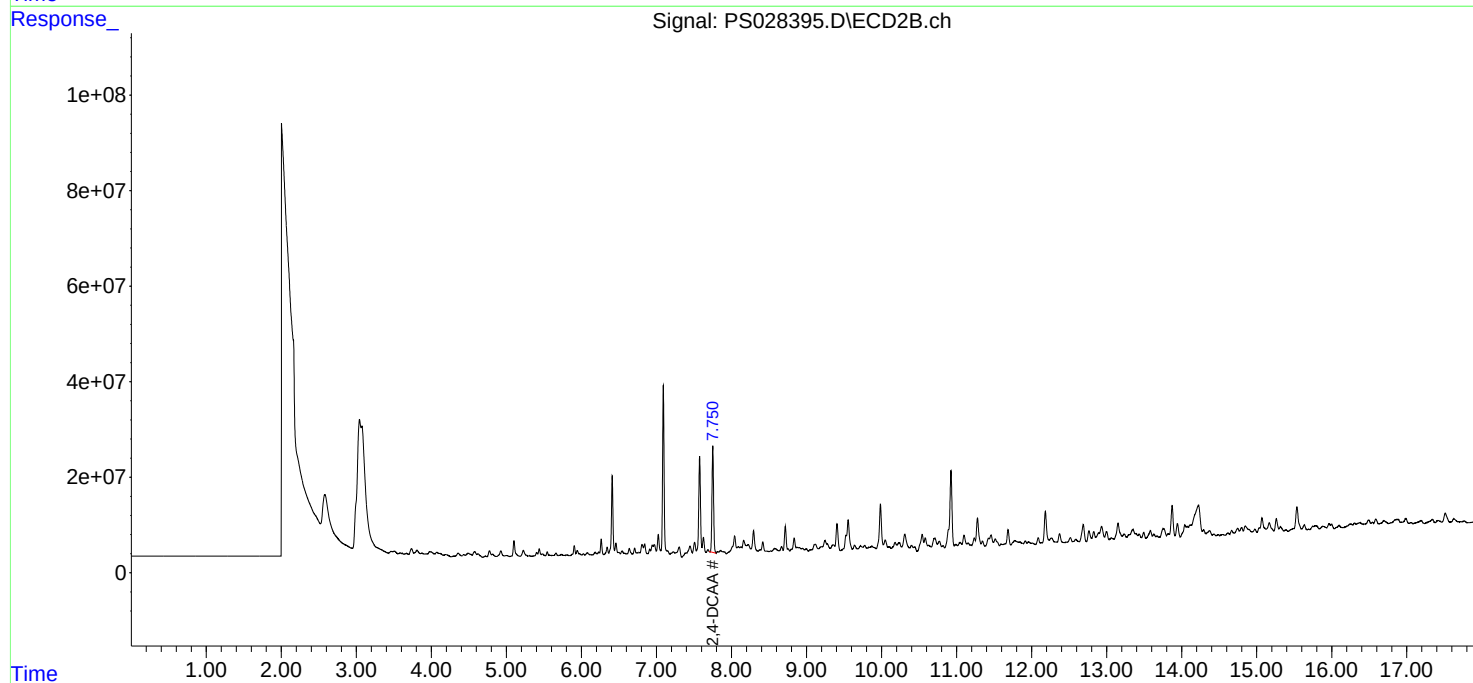
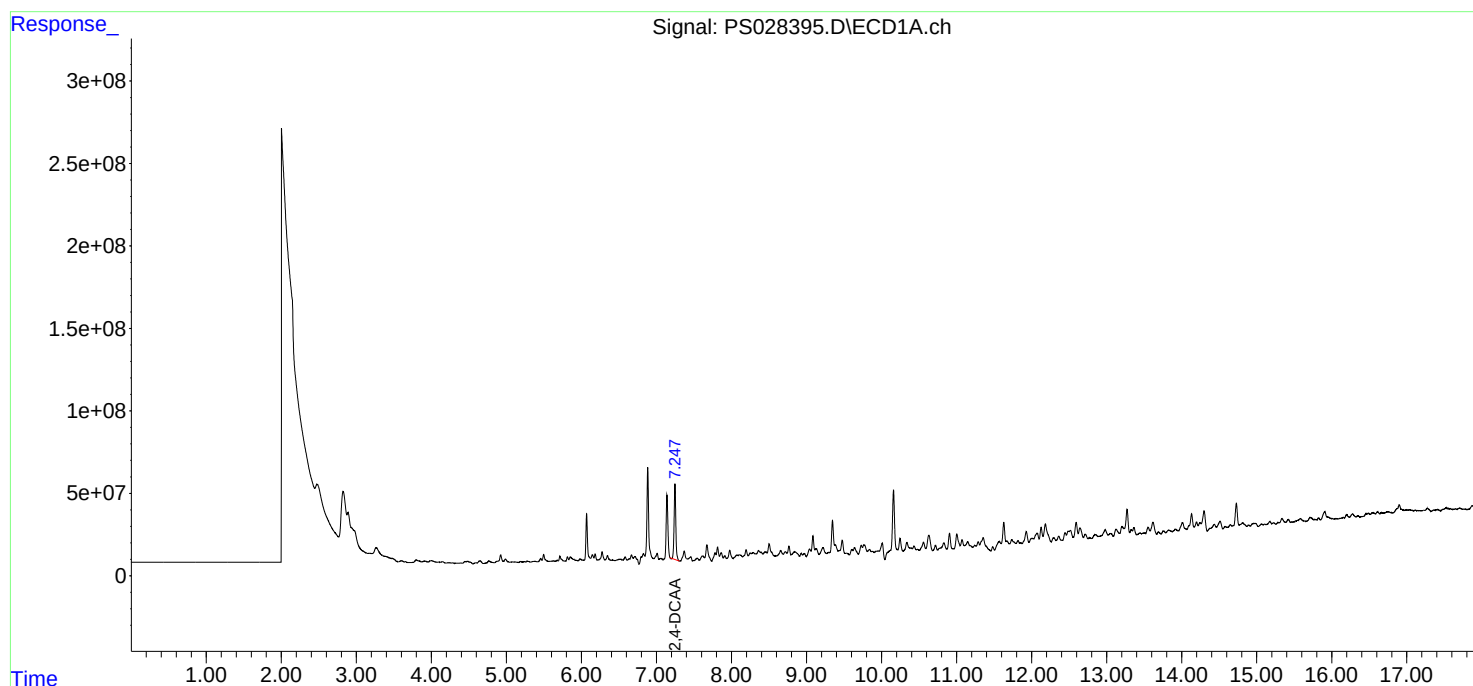
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028395.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:05  
Operator : AR\AJ  
Sample : P4601-29  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q1

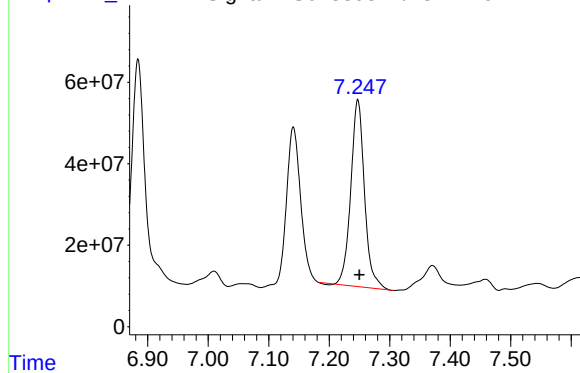
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:10:09 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028395.D\ECD1A.ch

#4 2,4-DCAA

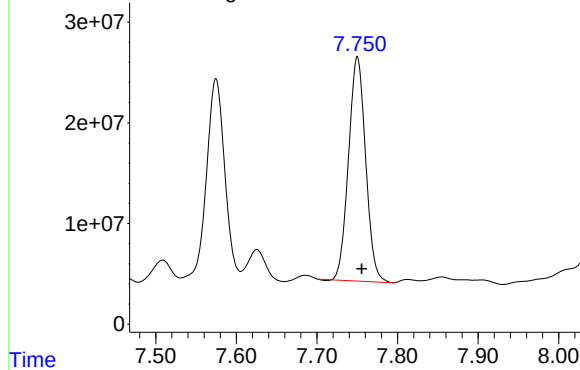


R.T.: 7.247 min  
Delta R.T.: -0.003 min  
Response: 719885100  
Conc: 260.76 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q1

Signal: PS028395.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.750 min  
Delta R.T.: -0.005 min  
Response: 328559730  
Conc: 206.20 ng/ml

## Report of Analysis

|                    |                 |        |    |                    |           |           |
|--------------------|-----------------|--------|----|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI |        |    | Date Collected:    | 10/22/24  |           |
| Project:           | R36704          |        |    | Date Received:     | 10/29/24  |           |
| Client Sample ID:  | CC0Q6           |        |    | SDG No.:           | P4601     |           |
| Lab Sample ID:     | P4601-30        |        |    | Matrix:            | SOIL      |           |
| Analytical Method: | SW8151A         |        |    | % Solid:           | 92.8      | Decanted: |
| Sample Wt/Vol:     | 30.03           | Units: | g  | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                 |        | uL | Test:              | Herbicide |           |
| Extraction Type:   |                 |        |    | Injection Volume : |           |           |
| GPC Factor :       | 1.0             | PH :   |    |                    |           |           |
| Prep Method :      | 8151A           |        |    |                    |           |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028396.D        | 1         | 10/31/24 10:00 | 11/11/24 12:29 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 72.1  | U         | 9.30     | 72.1       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 72.1  | U         | 10.3     | 72.1       | ug/Kg             |
| 94-75-7           | 2,4-D             | 72.1  | U         | 13.0     | 72.1       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 72.1  | U         | 10.1     | 72.1       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 72.1  | U         | 10.9     | 72.1       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 72.1  | U         | 19.7     | 72.1       | ug/Kg             |
| 88-85-7           | DINOSEB           | 72.1  | U         | 13.3     | 72.1       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 251   |           | 10 - 141 | 50%        | SPK: 500          |

### 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\_S\Data\PS111124\  
Data File : PS028396.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:29  
Operator : AR\AJ  
Sample : P4601-30  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q6

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:10:55 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 4) S 2,4-DCAA               | 7.246 | 7.752 | 694.2E6 | 336.3E6 | 251.462 | 211.046 |

Target Compounds  
-----

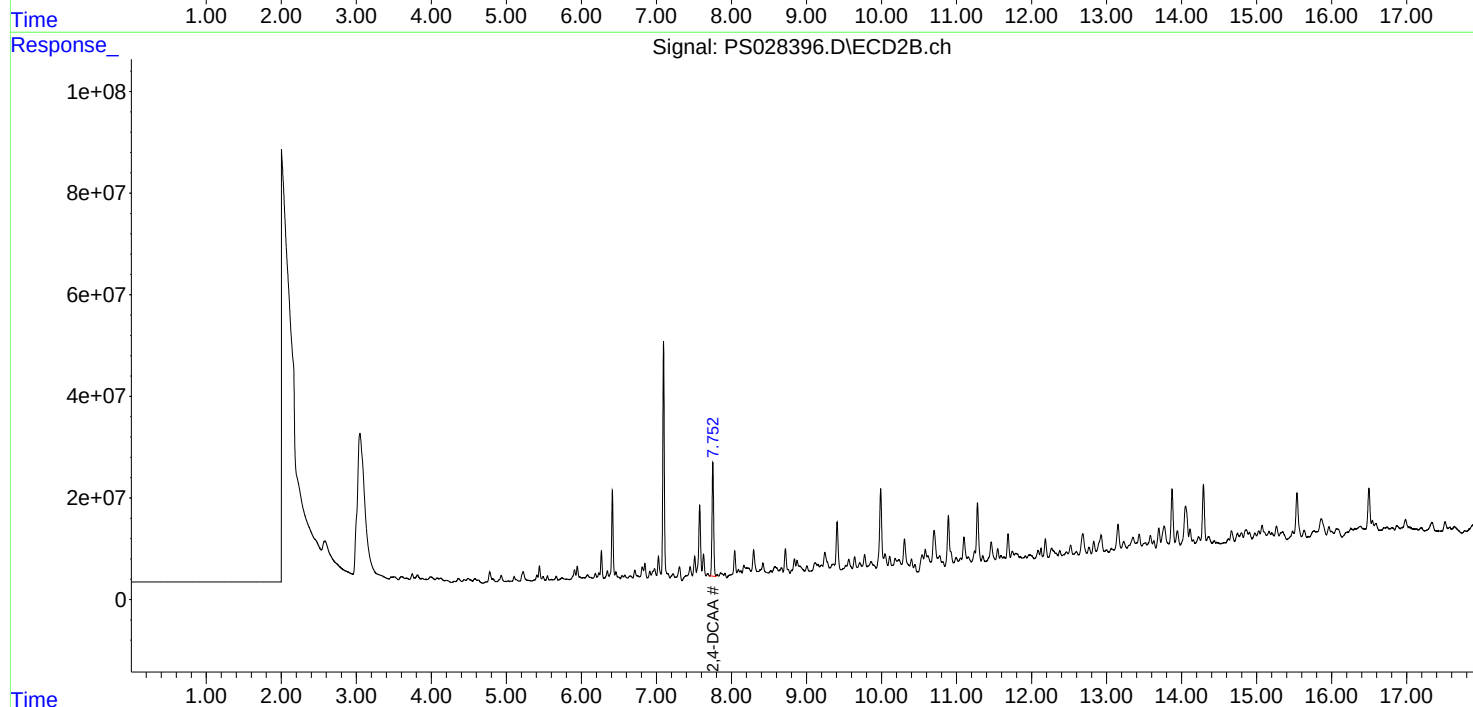
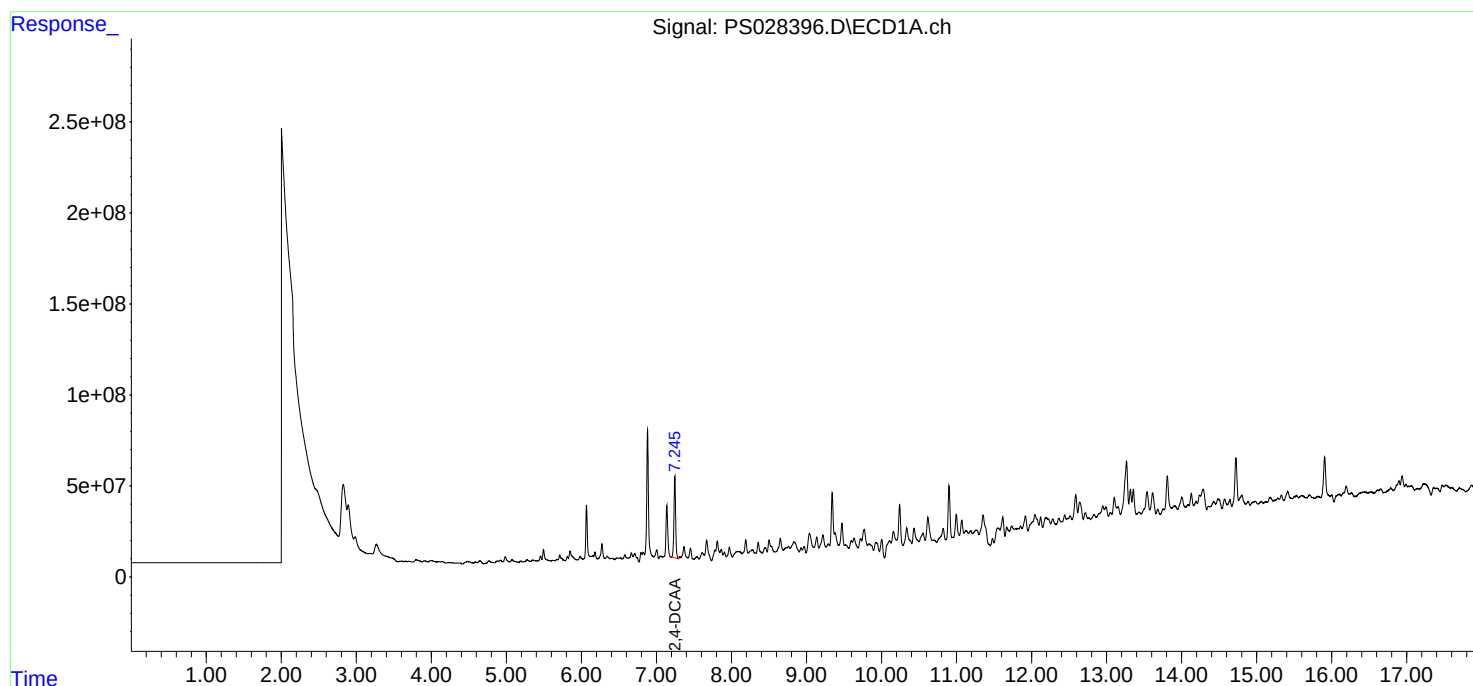
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028396.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:29  
Operator : AR\AJ  
Sample : P4601-30  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q6

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:10:55 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

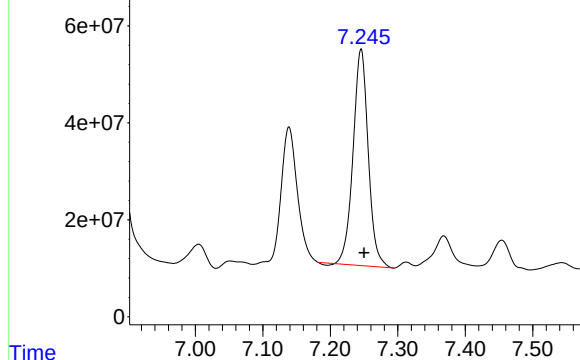
Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Signal: PS028396.D\ECD1A.ch

#4 2,4-DCAA

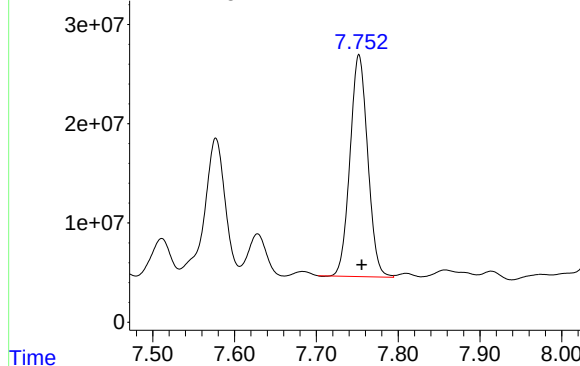


R.T.: 7.246 min  
Delta R.T.: -0.005 min  
Response: 694225023  
Conc: 251.46 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q6

Signal: PS028396.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.752 min  
Delta R.T.: -0.003 min  
Response: 336285038  
Conc: 211.05 ng/ml

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0Q8           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-31        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 84.6      |
| Sample Wt/Vol:     | 30.08           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028397.D        | 1         | 10/31/24 10:00 | 11/11/24 12:56 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 79.0  | U         | 10.2     | 79.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 79.0  | U         | 11.2     | 79.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 79.0  | U         | 14.3     | 79.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 79.0  | U         | 11.1     | 79.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 79.0  | U         | 11.9     | 79.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 79.0  | U         | 21.6     | 79.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 79.0  | U         | 14.6     | 79.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 227   |           | 10 - 141 | 45%        | SPK: 500          |

### 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\_S\Data\PS111124\  
Data File : PS028397.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:56  
Operator : AR\AJ  
Sample : P4601-31  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q8

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:11:46 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml     |
|-----------------------------|-------|-------|---------|---------|---------|-----------|
| -----                       |       |       |         |         |         |           |
| System Monitoring Compounds |       |       |         |         |         |           |
| 4) S 2,4-DCAA               | 7.247 | 7.753 | 625.8E6 | 259.9E6 | 226.678 | 163.096 # |

Target Compounds  
-----

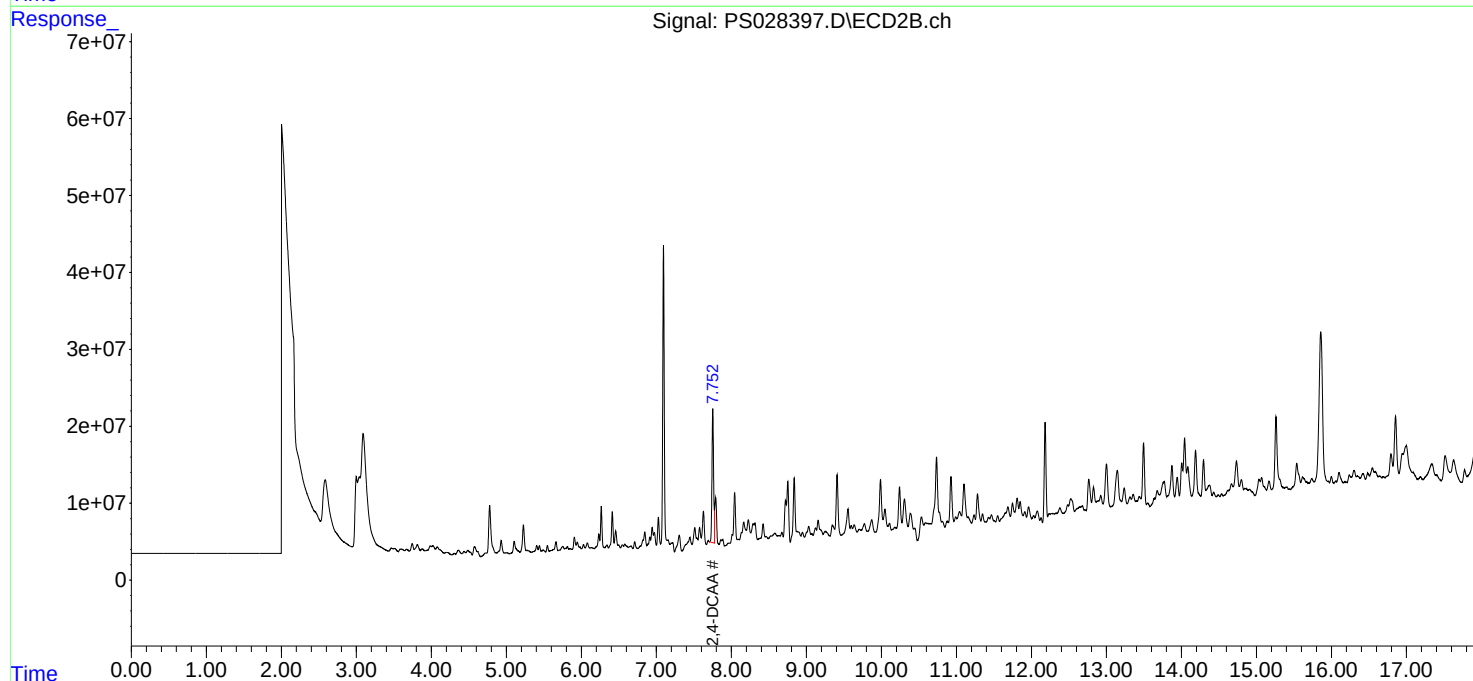
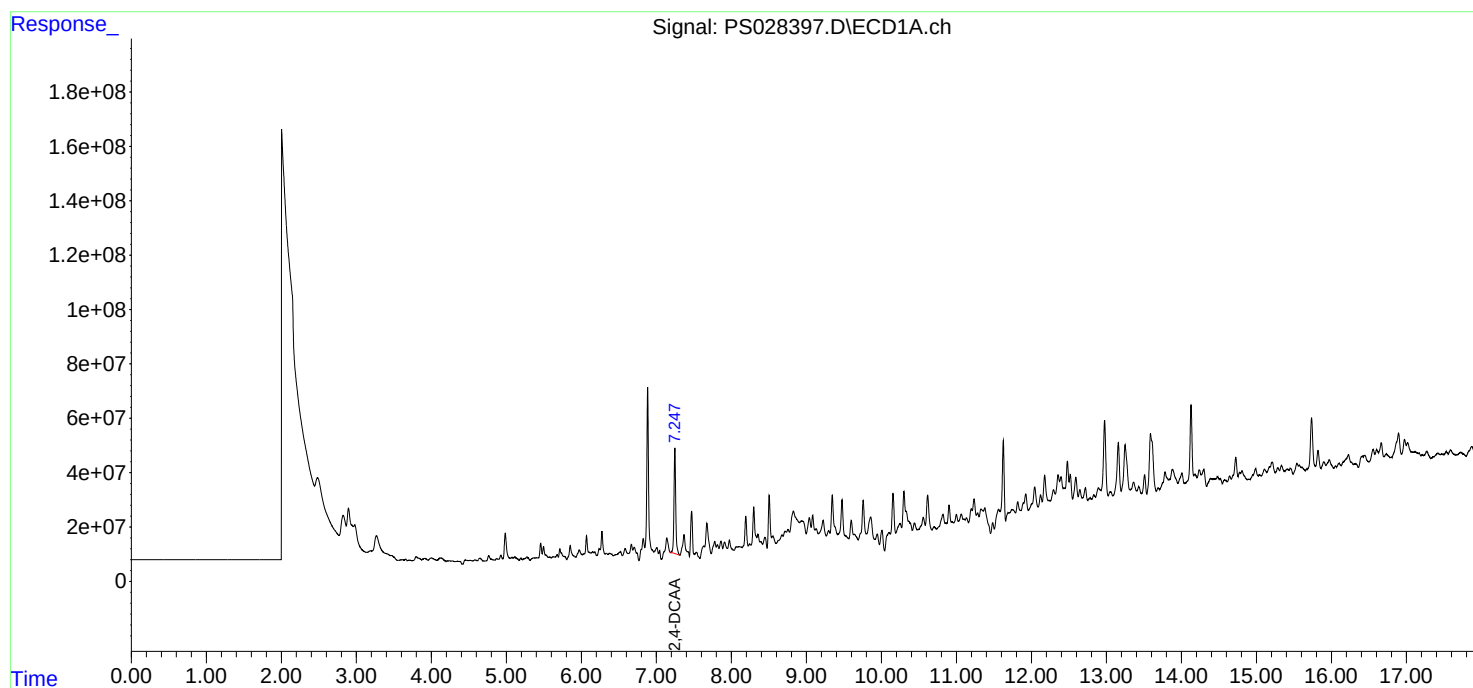
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

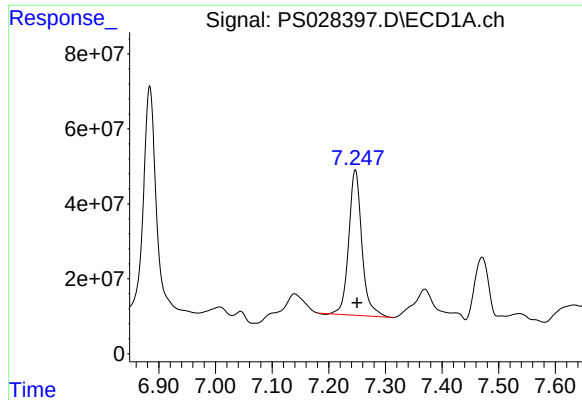
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028397.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 12:56  
Operator : AR\AJ  
Sample : P4601-31  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q8

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:11:46 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

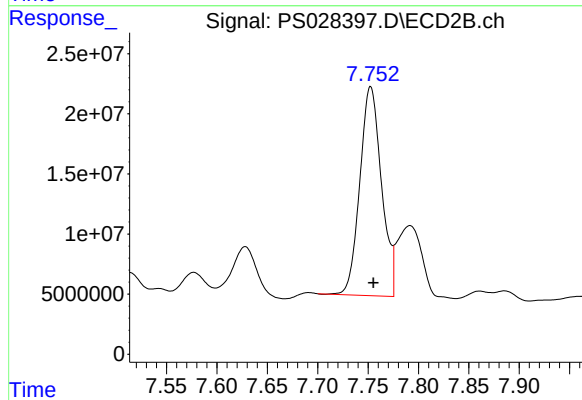




#4 2,4-DCAA

R.T.: 7.247 min  
Delta R.T.: -0.003 min  
Response: 625802045  
Conc: 226.68 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0Q8



#4 2,4-DCAA

R.T.: 7.753 min  
Delta R.T.: -0.003 min  
Response: 259881389  
Conc: 163.10 ng/ml

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R3           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-32        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 77.9      |
| Sample Wt/Vol:     | 30.05           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028398.D        | 1         | 10/31/24 10:00 | 11/11/24 13:20 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 85.9  | U         | 11.1     | 85.9       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 85.9  | U         | 12.2     | 85.9       | ug/Kg             |
| 94-75-7           | 2,4-D             | 85.9  | U         | 15.5     | 85.9       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 85.9  | U         | 12.0     | 85.9       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 85.9  | U         | 12.9     | 85.9       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 85.9  | U         | 23.5     | 85.9       | ug/Kg             |
| 88-85-7           | DINOSEB           | 85.9  | U         | 15.9     | 85.9       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 326   |           | 10 - 141 | 65%        | SPK: 500          |

### 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\_S\Data\PS111124\  
Data File : PS028398.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 13:20  
Operator : AR\AJ  
Sample : P4601-32  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R3

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:12:36 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 4) S 2,4-DCAA               | 7.246 | 7.752 | 899.9E6 | 440.9E6 | 325.974 | 276.711 |

Target Compounds

-----

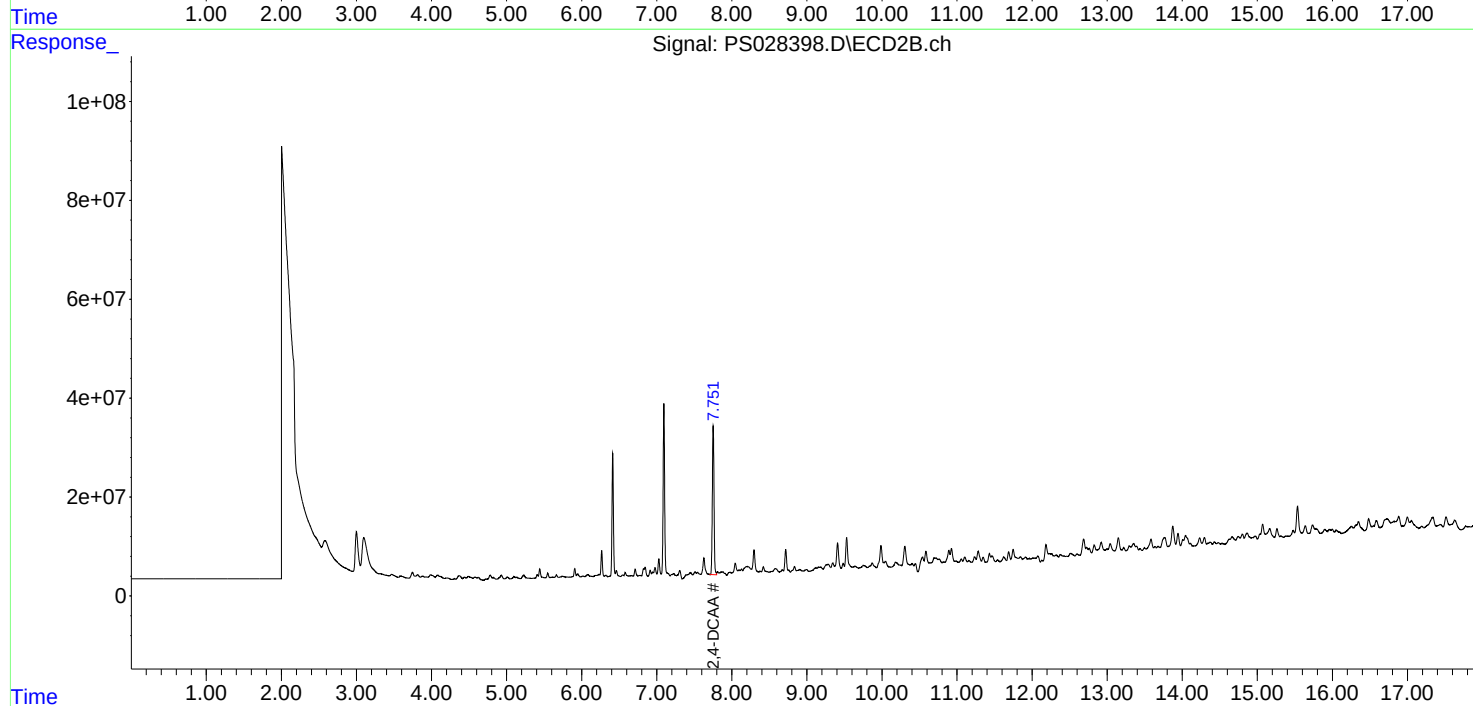
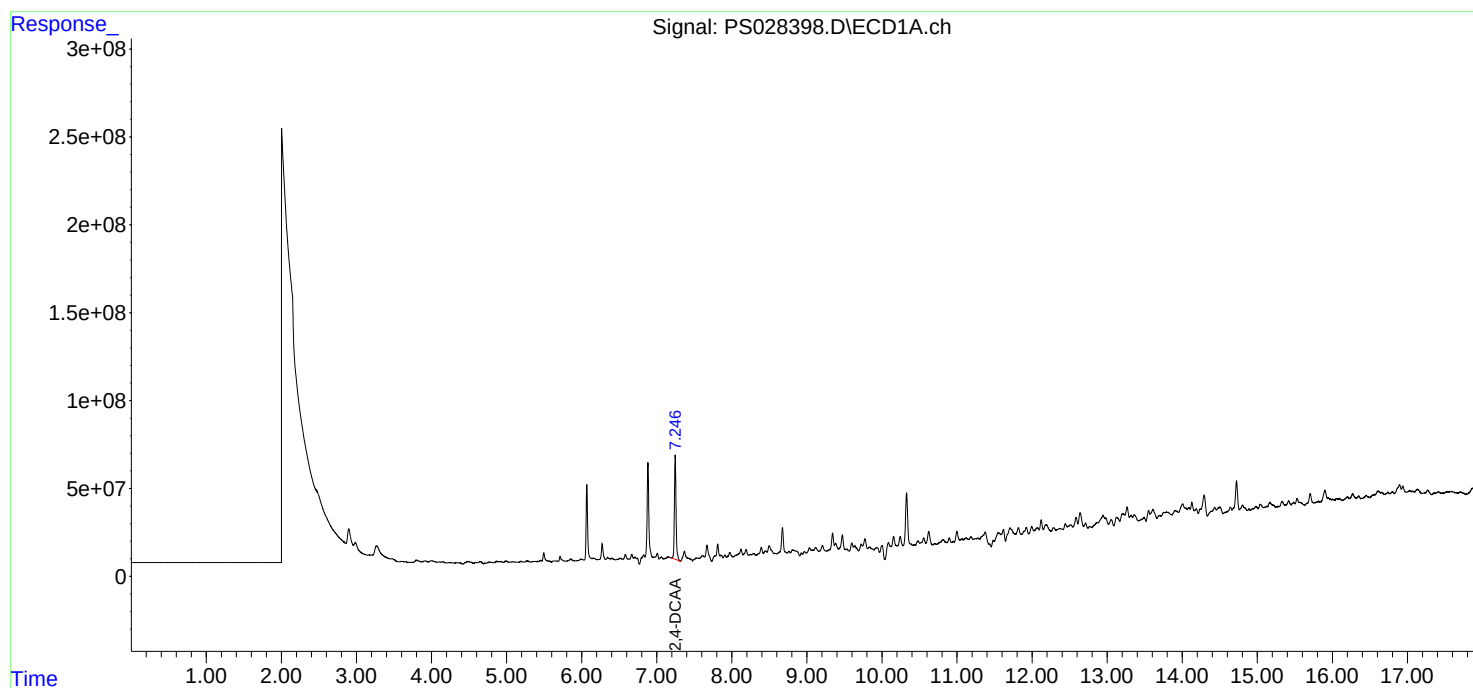
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028398.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 13:20  
Operator : AR\AJ  
Sample : P4601-32  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

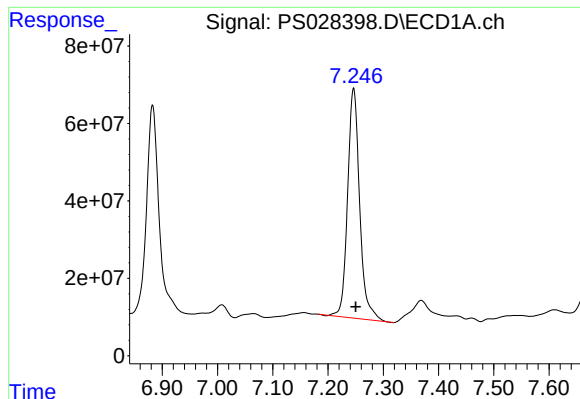
Instrument :  
ECD\_S  
ClientSampleId :  
CC0R3

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:12:36 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



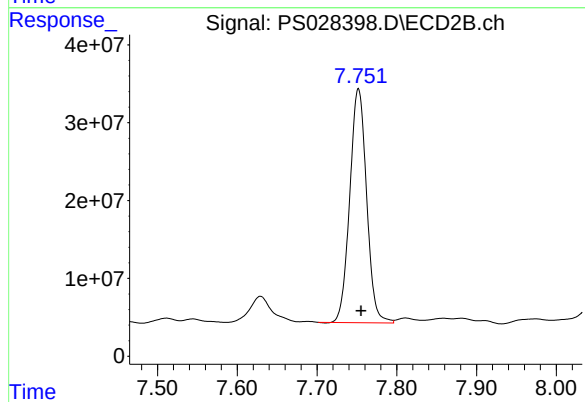




#4 2,4-DCAA

R.T.: 7.246 min  
Delta R.T.: -0.004 min  
Response: 899934646  
Conc: 325.97 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R3



#4 2,4-DCAA

R.T.: 7.752 min  
Delta R.T.: -0.003 min  
Response: 440917750  
Conc: 276.71 ng/ml

## Report of Analysis

|                    |                 |          |                    |           |           |
|--------------------|-----------------|----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI |          | Date Collected:    | 10/23/24  |           |
| Project:           | R36704          |          | Date Received:     | 10/29/24  |           |
| Client Sample ID:  | CC0R4           |          | SDG No.:           | P4601     |           |
| Lab Sample ID:     | P4601-33        |          | Matrix:            | SOIL      |           |
| Analytical Method: | SW8151A         |          | % Solid:           | 71.6      | Decanted: |
| Sample Wt/Vol:     | 30.02           | Units: g | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | Herbicide |           |
| Extraction Type:   |                 |          | Injection Volume : |           |           |
| GPC Factor :       | 1.0             | PH :     |                    |           |           |
| Prep Method :      | 8151A           |          |                    |           |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028399.D        | 1         | 10/31/24 10:00 | 11/11/24 13:44 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 93.5  | U         | 12.1     | 93.5       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 93.5  | U         | 13.3     | 93.5       | ug/Kg             |
| 94-75-7           | 2,4-D             | 93.5  | U         | 16.9     | 93.5       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 93.5  | U         | 13.1     | 93.5       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 93.5  | U         | 14.1     | 93.5       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 93.5  | U         | 25.5     | 93.5       | ug/Kg             |
| 88-85-7           | DINOSEB           | 93.5  | U         | 17.3     | 93.5       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 386   |           | 10 - 141 | 77%        | SPK: 500          |

### 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\_S\Data\PS111124\  
Data File : PS028399.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 13:44  
Operator : AR\AJ  
Sample : P4601-33  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:13:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|---------|---------|----------|
| -----                       |       |       |          |         |         |          |
| System Monitoring Compounds |       |       |          |         |         |          |
| 4) S 2,4-DCAA               | 7.246 | 7.752 | 1065.9E6 | 522.4E6 | 386.099 | 327.850m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028399.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 13:44  
Operator : AR\AJ  
Sample : P4601-33  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0R4

## Manual Integrations

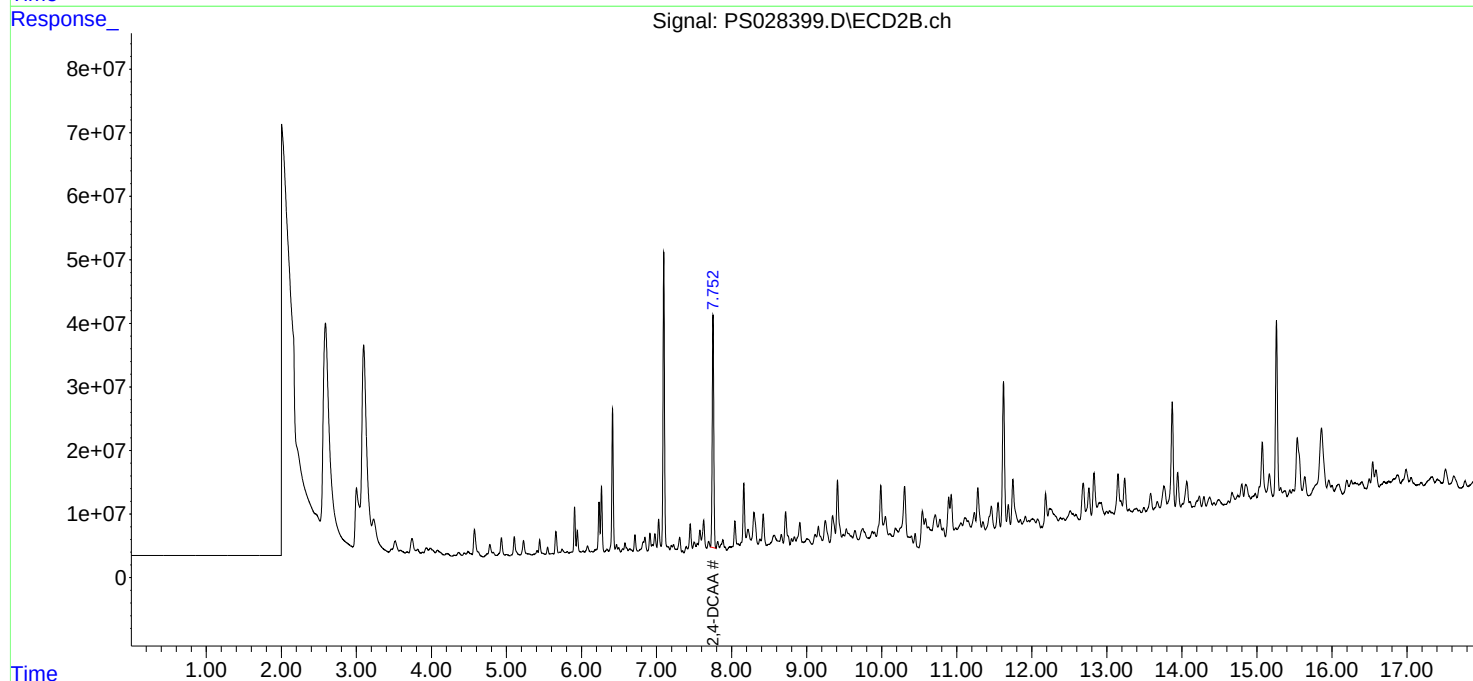
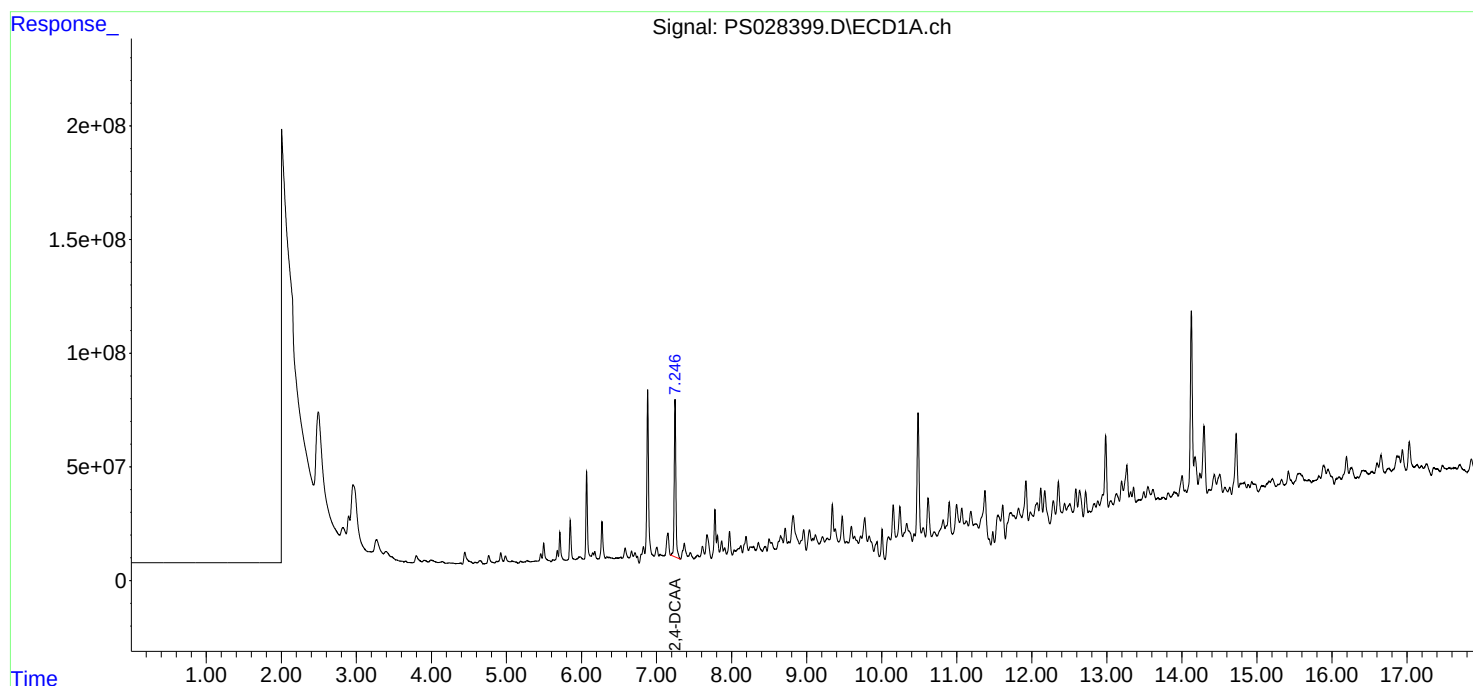
APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:13:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response

Signal: PS028399.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.246 min

Delta R.T.: -0.004 min

Response: 1065925278

Conc: 386.10 ng/ml

Instrument :

ECD\_S

ClientSampleId :

CC0R4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Time

Response\_

Signal: PS028399.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.752 min

Delta R.T.: -0.004 min

Response: 522403173

Conc: 327.85 ng/ml m

Time

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R5           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-34        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 95.4      |
| Sample Wt/Vol:     | 30.09           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028400.D        | 1         | 10/31/24 10:00 | 11/11/24 14:08 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 70.0  | U         | 9.10     | 70.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 70.0  | U         | 10.0     | 70.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 70.0  | U         | 12.6     | 70.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 70.0  | U         | 9.80     | 70.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 70.0  | U         | 10.6     | 70.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 70.0  | U         | 19.1     | 70.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 70.0  | U         | 13.0     | 70.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 423   |           | 10 - 141 | 85%        | SPK: 500          |

### 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\_S\Data\PS111124\  
 Data File : PS028400.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 14:08  
 Operator : AR\AJ  
 Sample : P4601-34  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 CC0R5

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:14:20 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|---------|---------|----------|
| -----                       |       |       |          |         |         |          |
| System Monitoring Compounds |       |       |          |         |         |          |
| 4) S 2,4-DCAA               | 7.246 | 7.753 | 1168.2E6 | 526.8E6 | 423.153 | 330.636m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028400.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 14:08  
Operator : AR\AJ  
Sample : P4601-34  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0R5

## Manual Integrations

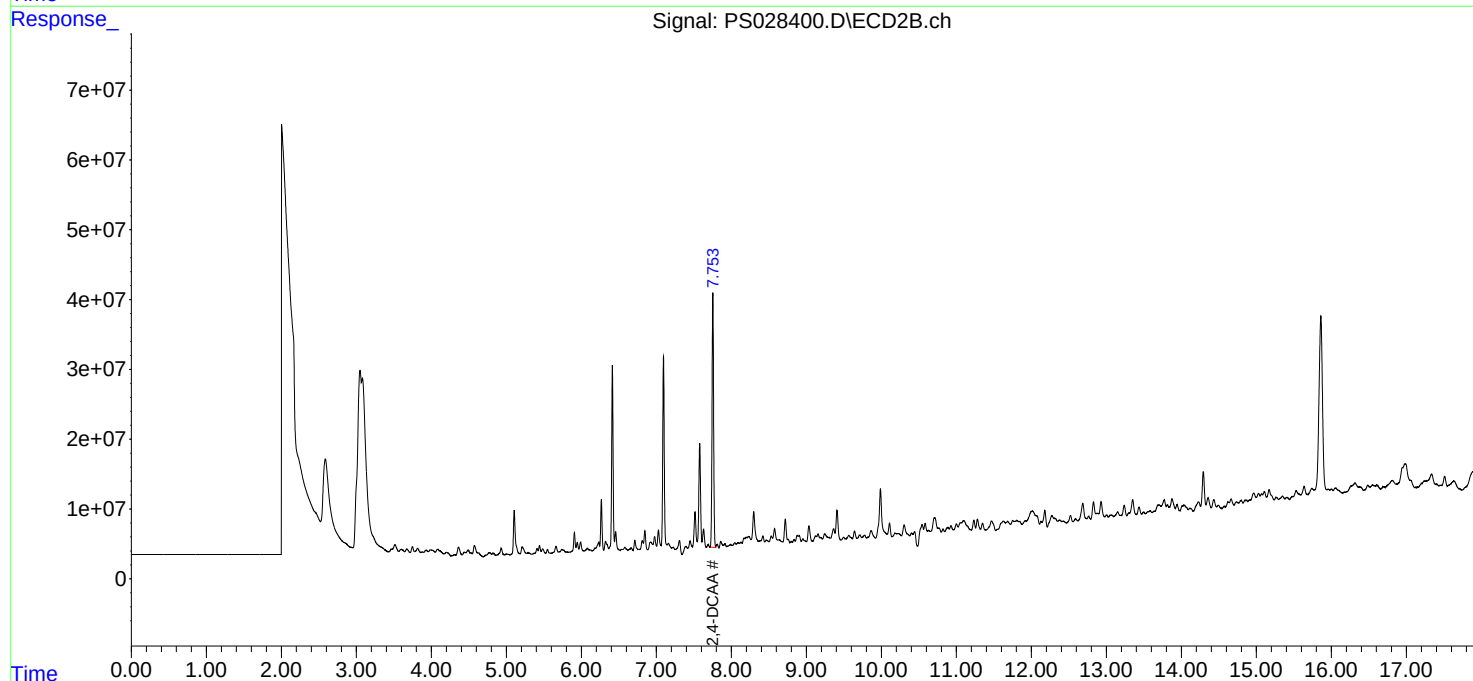
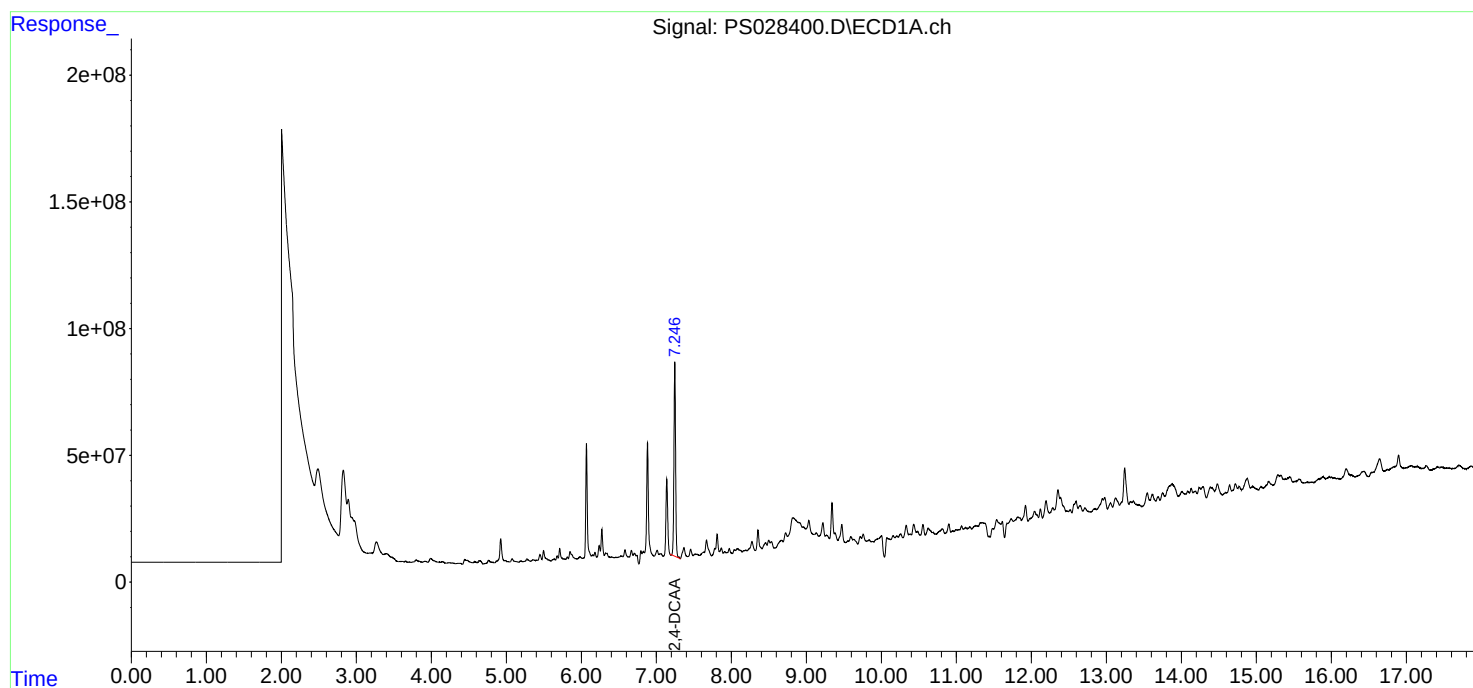
APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:14:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

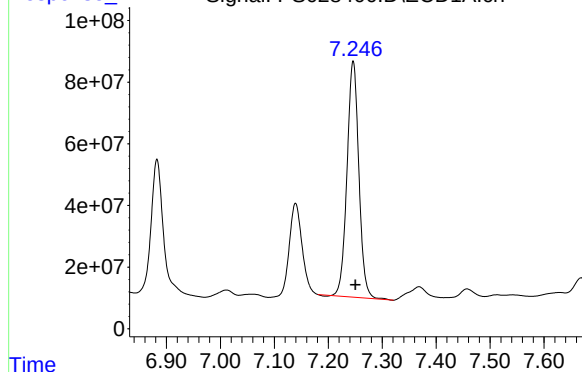
Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Signal: PS028400.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.246 min  
Delta R.T.: -0.004 min  
Response: 1168220469  
Conc: 423.15 ng/ml

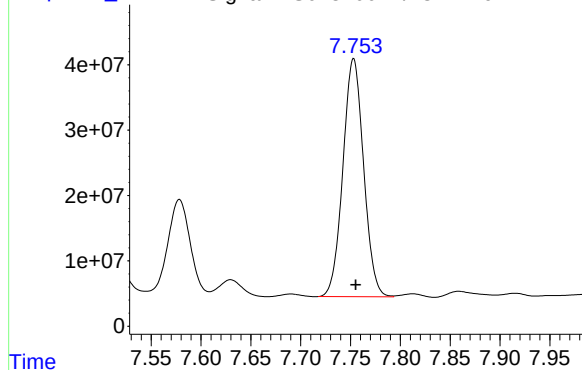
Instrument :  
ECD\_S  
ClientSampleId :  
CC0R5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Signal: PS028400.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.753 min  
Delta R.T.: -0.003 min  
Response: 526843307  
Conc: 330.64 ng/ml m

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R6           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-35        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 94.1      |
| Sample Wt/Vol:     | 30.09           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028401.D        | 1         | 10/31/24 10:00 | 11/11/24 14:32 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 71.0  | U         | 9.20     | 71.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 71.0  | U         | 10.1     | 71.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 71.0  | U         | 12.8     | 71.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 71.0  | U         | 9.90     | 71.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 71.0  | U         | 10.7     | 71.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 71.0  | U         | 19.4     | 71.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 71.0  | U         | 13.1     | 71.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 299   |           | 10 - 141 | 60%        | SPK: 500          |

### 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\_S\Data\PS111124\  
 Data File : PS028401.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 14:32  
 Operator : AR\AJ  
 Sample : P4601-35  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 CC0R6

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:15:19 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml    | ng/ml     |
|-----------------------------|-------|-------|---------|---------|----------|-----------|
| -----                       |       |       |         |         |          |           |
| System Monitoring Compounds |       |       |         |         |          |           |
| 4) S 2,4-DCAA               | 7.245 | 7.753 | 825.6E6 | 349.3E6 | 299.051m | 219.241 # |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028401.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 14:32  
Operator : AR\AJ  
Sample : P4601-35  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0R6

## Manual Integrations

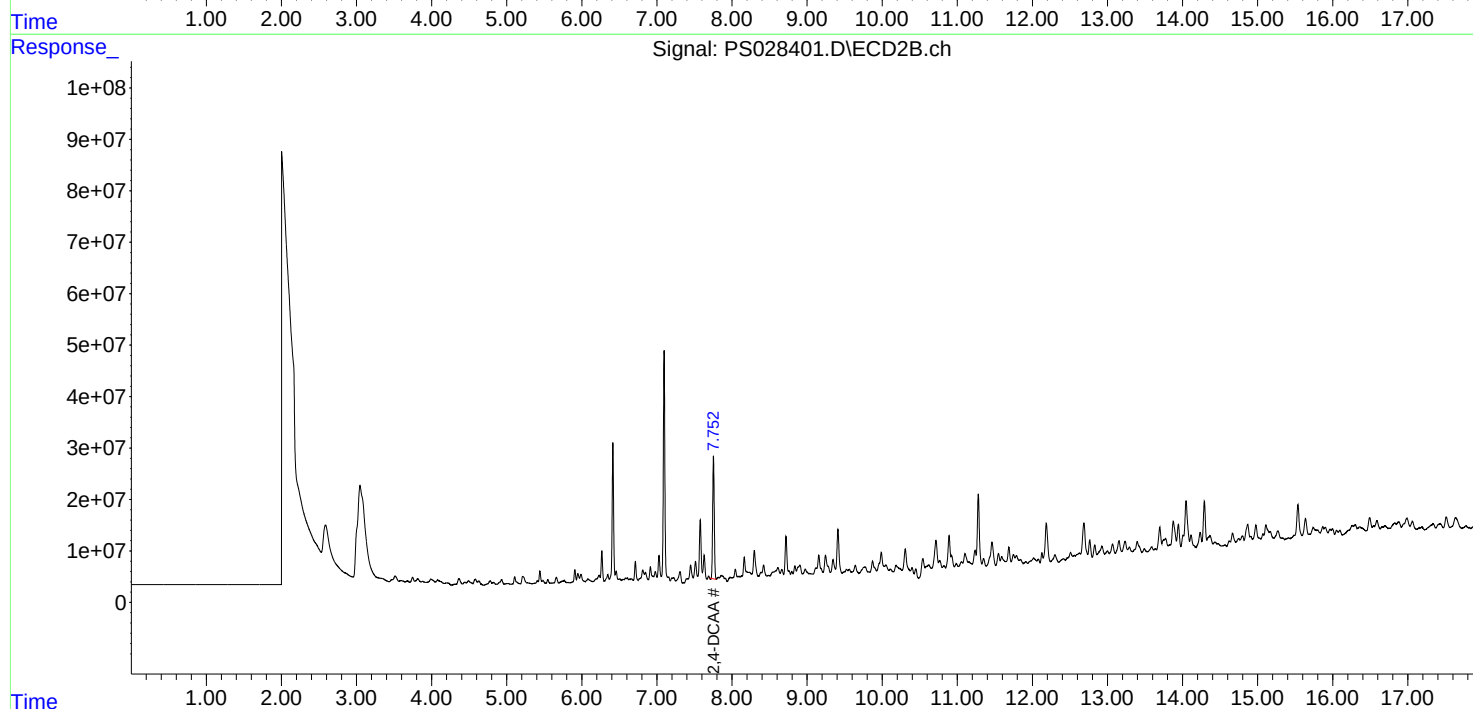
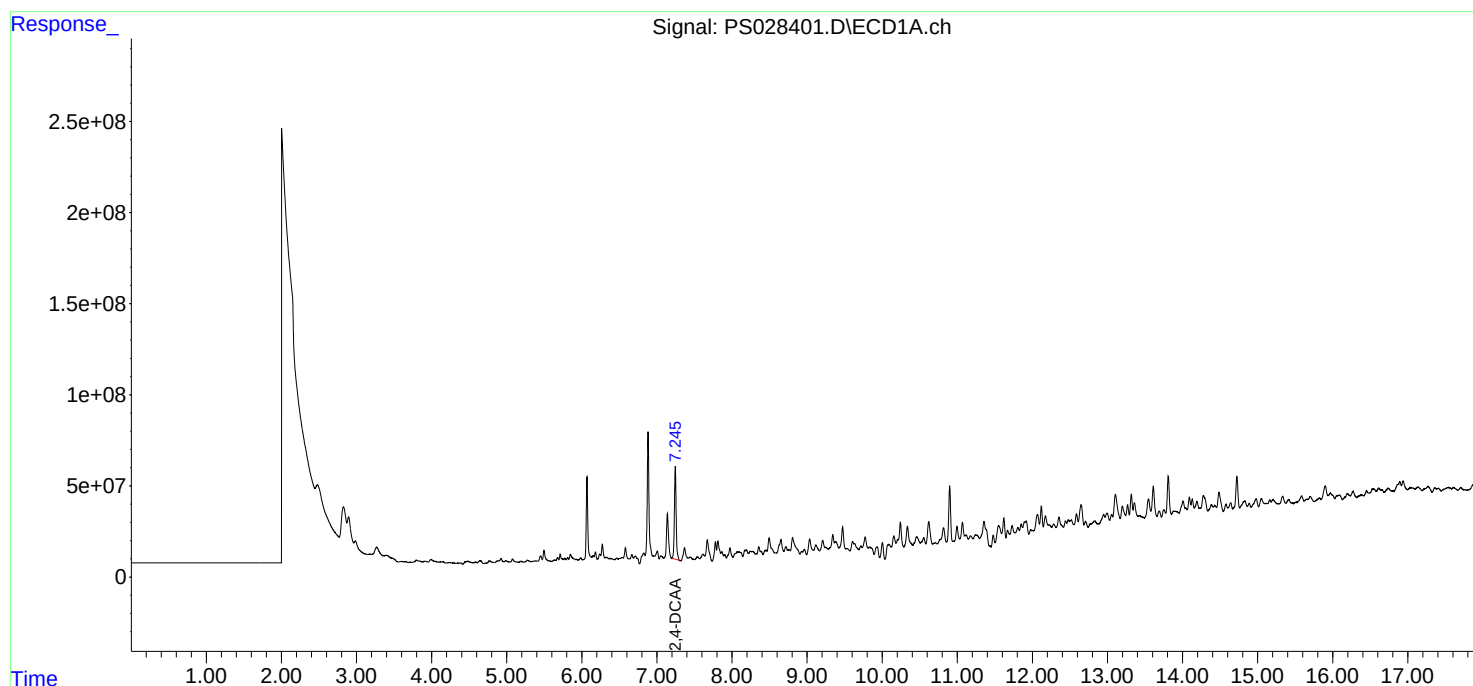
APPROVED

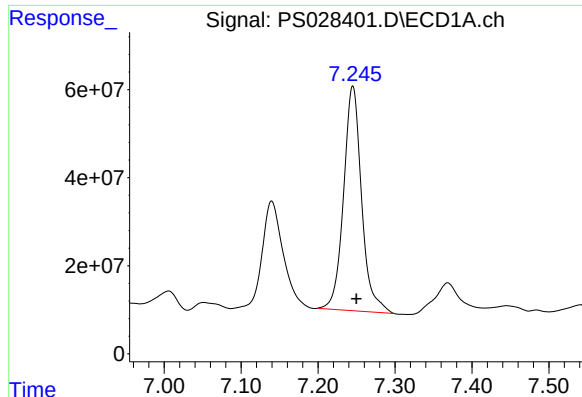
Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:15:19 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





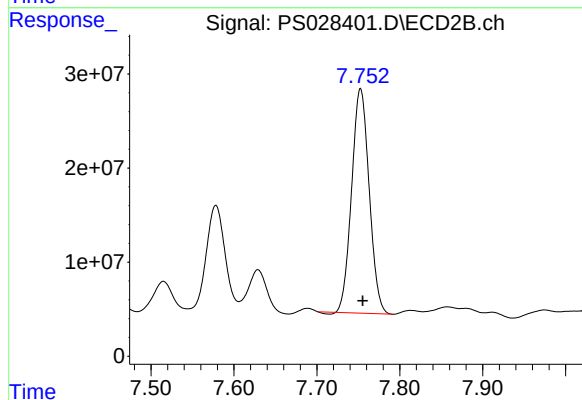
#4 2,4-DCAA

R.T.: 7.245 min  
Delta R.T.: -0.005 min  
Response: 825605275  
Conc: 299.05 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



#4 2,4-DCAA

R.T.: 7.753 min  
Delta R.T.: -0.003 min  
Response: 349343498  
Conc: 219.24 ng/ml

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R7           | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-36        | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 81.2      |
| Sample Wt/Vol:     | 30.04           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028402.D        | 1         | 10/31/24 10:00 | 11/11/24 14:57 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 82.4  | U         | 10.7     | 82.4       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 82.4  | U         | 11.7     | 82.4       | ug/Kg             |
| 94-75-7           | 2,4-D             | 82.4  | U         | 14.9     | 82.4       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 82.4  | U         | 11.5     | 82.4       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 82.4  | U         | 12.4     | 82.4       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 82.4  | U         | 22.5     | 82.4       | ug/Kg             |
| 88-85-7           | DINOSEB           | 82.4  | U         | 15.3     | 82.4       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 442   |           | 10 - 141 | 88%        | SPK: 500          |

### 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\_S\Data\PS111124\  
 Data File : PS028402.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 14:57  
 Operator : AR\AJ  
 Sample : P4601-36  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 CC0R7

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:16:24 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml    |
|-----------------------------|-------|-------|----------|---------|---------|----------|
| -----                       |       |       |          |         |         |          |
| System Monitoring Compounds |       |       |          |         |         |          |
| 4) S 2,4-DCAA               | 7.246 | 7.753 | 1219.9E6 | 601.7E6 | 441.860 | 377.588m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028402.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 14:57  
Operator : AR\AJ  
Sample : P4601-36  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

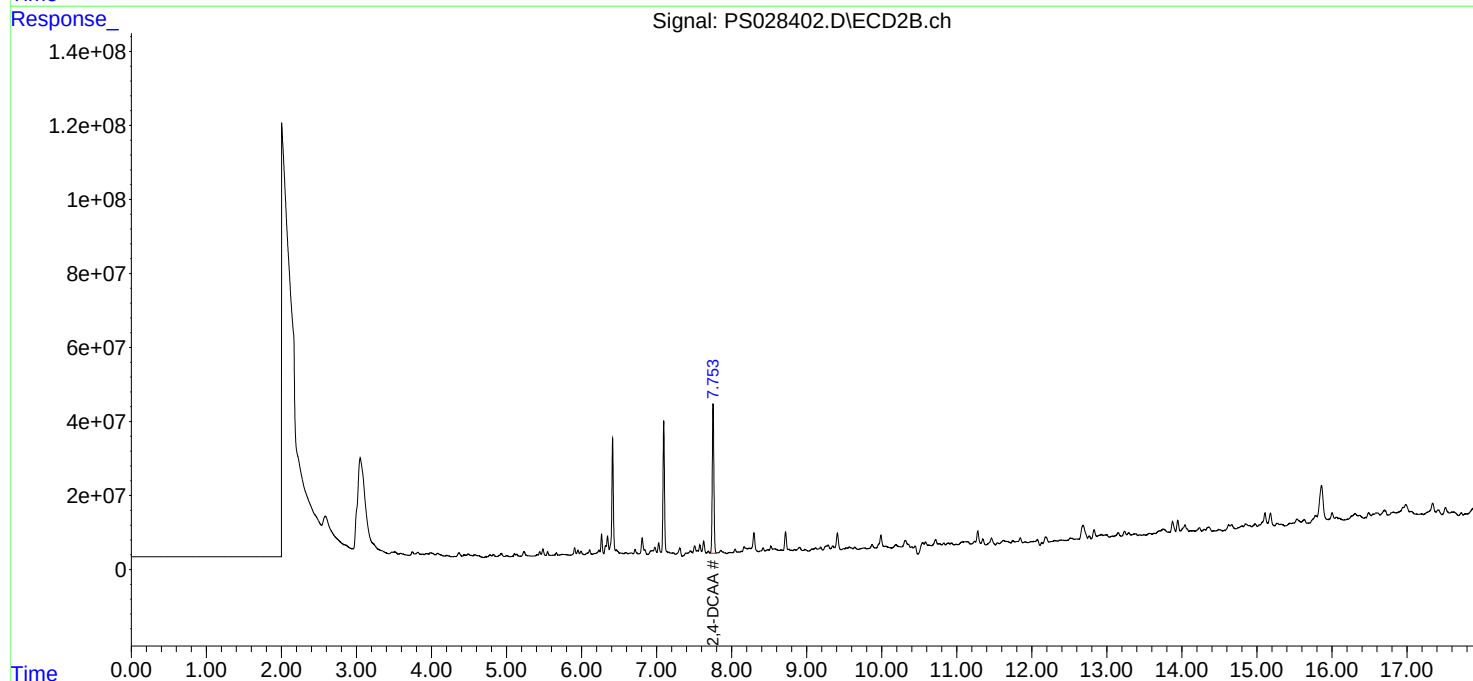
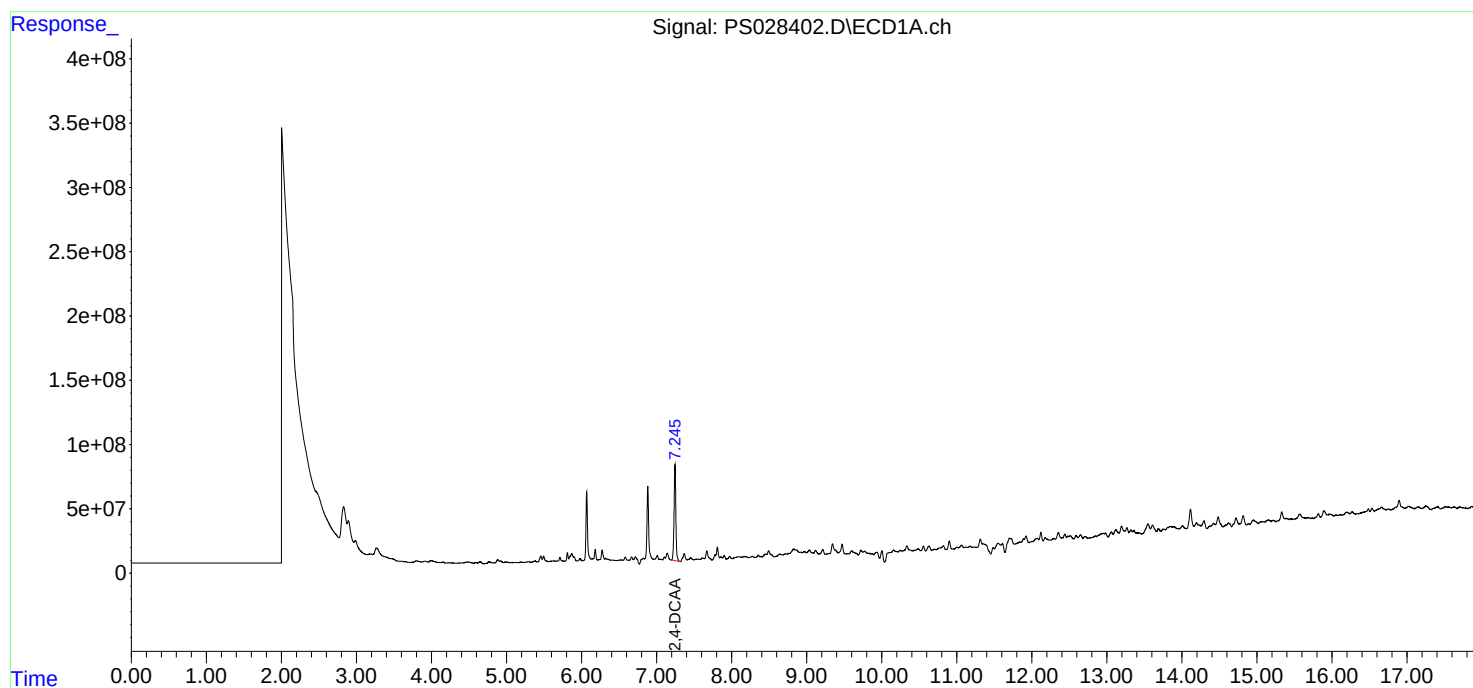
Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:16:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

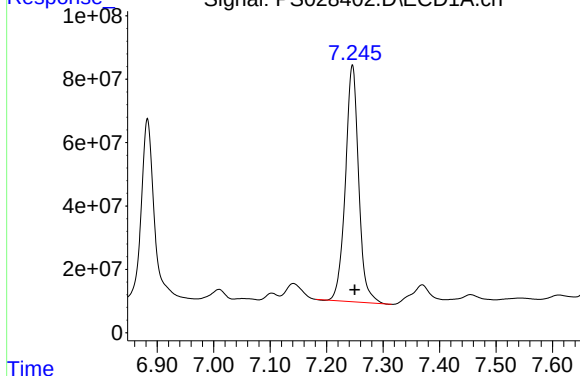




Response

Signal: PS028402.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.246 min  
Delta R.T.: -0.004 min  
Response: 1219866600  
Conc: 441.86 ng/ml

Instrument :

ECD\_S

ClientSampleId :

CC0R7

Manual Integrations

APPROVED

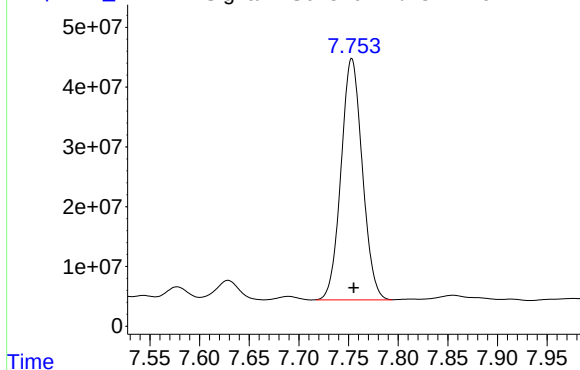
Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Time

Response\_

Signal: PS028402.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.753 min  
Delta R.T.: -0.003 min  
Response: 601656367  
Conc: 377.59 ng/ml m



# CALIBRATION SUMMARY

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

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/06/2024 11/06/2024  
**Calibration Times:** 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

|                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| LAB FILE ID:               | RT 200 = <u>PS028253.D</u>  | RT 500 = <u>PS028254.D</u>  |
| RT 750 = <u>PS028255.D</u> | RT 1000 = <u>PS028256.D</u> | RT 1500 = <u>PS028257.D</u> |

| COMPOUND         | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN<br>RT | RT WINDOW |       |
|------------------|--------|--------|--------|---------|---------|------------|-----------|-------|
|                  |        |        |        |         |         |            | FROM      | TO    |
| 2,4,5-T          | 9.57   | 9.57   | 9.57   | 9.57    | 9.57    | 9.57       | 9.47      | 9.67  |
| 2,4,5-TP(Silvex) | 9.28   | 9.28   | 9.28   | 9.28    | 9.28    | 9.28       | 9.18      | 9.38  |
| 2,4-D            | 8.39   | 8.39   | 8.39   | 8.39    | 8.39    | 8.39       | 8.29      | 8.49  |
| 2,4-DB           | 10.15  | 10.15  | 10.15  | 10.15   | 10.15   | 10.15      | 10.05     | 10.25 |
| 2,4-DCAA         | 7.26   | 7.26   | 7.26   | 7.26    | 7.26    | 7.26       | 7.16      | 7.36  |
| DICAMBA          | 7.45   | 7.45   | 7.45   | 7.45    | 7.45    | 7.45       | 7.35      | 7.55  |
| DICHLORPROP      | 8.16   | 8.16   | 8.16   | 8.16    | 8.16    | 8.16       | 8.06      | 8.26  |
| Dinoseb          | 11.36  | 11.37  | 11.36  | 11.37   | 11.36   | 11.36      | 11.26     | 11.46 |

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/06/2024 11/06/2024  
**Calibration Times:** 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

|                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| LAB FILE ID:               | RT 200 = <u>PS028253.D</u>  | RT 500 = <u>PS028254.D</u>  |
| RT 750 = <u>PS028255.D</u> | RT 1000 = <u>PS028256.D</u> | RT 1500 = <u>PS028257.D</u> |

| COMPOUND         | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN<br>RT | RT WINDOW |       |
|------------------|--------|--------|--------|---------|---------|------------|-----------|-------|
|                  |        |        |        |         |         |            | FROM      | TO    |
| 2,4,5-T          | 10.35  | 10.34  | 10.34  | 10.34   | 10.34   | 10.34      | 10.24     | 10.44 |
| 2,4,5-TP(Silvex) | 9.92   | 9.92   | 9.92   | 9.92    | 9.92    | 9.92       | 9.82      | 10.02 |
| 2,4-D            | 9.02   | 9.02   | 9.02   | 9.02    | 9.02    | 9.02       | 8.92      | 9.12  |
| 2,4-DB           | 10.91  | 10.91  | 10.91  | 10.91   | 10.91   | 10.91      | 10.81     | 11.01 |
| 2,4-DCAA         | 7.77   | 7.77   | 7.77   | 7.77    | 7.77    | 7.76       | 7.66      | 7.86  |
| DICAMBA          | 7.97   | 7.97   | 7.97   | 7.97    | 7.97    | 7.97       | 7.87      | 8.07  |
| DICHLORPROP      | 8.68   | 8.68   | 8.68   | 8.68    | 8.68    | 8.68       | 8.58      | 8.78  |
| Dinoseb          | 11.29  | 11.29  | 11.29  | 11.29   | 11.29   | 11.29      | 11.19     | 11.39 |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/06/2024 11/06/2024  
**Calibration Times:** 09:48 11:24  
**GC Column:** RTX-CLP **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |             | <b>CF 200 =</b> <u>PS028253.D</u>  |             | <b>CF 500 =</b> <u>PS028254.D</u>  |             |             |       |
|-----------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|-------------|-------|
| <b>CF 750 =</b> <u>PS028255.D</u> |             | <b>CF 1000 =</b> <u>PS028256.D</u> |             | <b>CF 1500 =</b> <u>PS028257.D</u> |             |             |       |
| COMPOUND                          | CF 200      | CF 500                             | CF 750      | CF 1000                            | CF 1500     | CF          | % RSD |
| 2,4,5-T                           | 18605000000 | 17699100000                        | 17397600000 | 16764700000                        | 16211200000 | 17335500000 | 5     |
| 2,4,5-TP(Silvex)                  | 18381400000 | 17393400000                        | 17071400000 | 16437600000                        | 15844400000 | 17025600000 | 6     |
| 2,4-D                             | 3499520000  | 3198390000                         | 3124710000  | 3013570000                         | 2944350000  | 3156110000  | 7     |
| 2,4-DB                            | 2953740000  | 2827030000                         | 2824430000  | 2764350000                         | 2763120000  | 2826530000  | 3     |
| 2,4-DCAA                          | 2911600000  | 2530960000                         | 2546610000  | 2432090000                         | 2385800000  | 2561410000  | 8     |
| DICAMBA                           | 11781800000 | 11346100000                        | 11291200000 | 10963200000                        | 10760300000 | 11228500000 | 3     |
| DICHLORPROP                       | 3148380000  | 2853420000                         | 2784160000  | 2683190000                         | 2627250000  | 2819280000  | 7     |
| Dinoseb                           | 15121200000 | 14574900000                        | 14554700000 | 14126500000                        | 13917700000 | 14459000000 | 3     |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/06/2024 11/06/2024  
**Calibration Times:** 09:48 11:24  
**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |             | <b>CF 200 =</b> <u>PS028253.D</u>  |             | <b>CF 500 =</b> <u>PS028254.D</u>  |             |             |       |
|-----------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|-------------|-------|
| <b>CF 750 =</b> <u>PS028255.D</u> |             | <b>CF 1000 =</b> <u>PS028256.D</u> |             | <b>CF 1500 =</b> <u>PS028257.D</u> |             |             |       |
| COMPOUND                          | CF 200      | CF 500                             | CF 750      | CF 1000                            | CF 1500     | CF          | % RSD |
| 2,4,5-T                           | 12788400000 | 12436700000                        | 12406800000 | 12012600000                        | 11689500000 | 12266800000 | 3     |
| 2,4,5-TP(Silvex)                  | 12950900000 | 12612000000                        | 12578800000 | 12192000000                        | 11879700000 | 12442700000 | 3     |
| 2,4-D                             | 2348170000  | 2233230000                         | 2226180000  | 2175820000                         | 2167290000  | 2230140000  | 3     |
| 2,4-DB                            | 1594690000  | 1565870000                         | 1590090000  | 1575360000                         | 1598480000  | 1584900000  | 1     |
| 2,4-DCAA                          | 1855960000  | 1741220000                         | 1731630000  | 1690270000                         | 1689820000  | 1741780000  | 4     |
| DICAMBA                           | 7963390000  | 8019410000                         | 8155900000  | 8026840000                         | 7997280000  | 8032560000  | 1     |
| DICHLORPROP                       | 2102670000  | 2006780000                         | 2002310000  | 1963630000                         | 1970820000  | 2009240000  | 3     |
| Dinoseb                           | 8938980000  | 8771400000                         | 8800740000  | 8588540000                         | 8508600000  | 8721650000  | 2     |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028253.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 09:48  
Operator : AR\AJ  
Sample : HSTDICC200  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:36:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:36:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|----------|----------|---------|---------|
| -----                       |              |        |        |          |          |         |         |
| System Monitoring Compounds |              |        |        |          |          |         |         |
| 4) S                        | 2,4-DCAA     | 7.262  | 7.765  | 582.3E6  | 371.2E6  | 223.512 | 211.533 |
| Target Compounds            |              |        |        |          |          |         |         |
| 1) T                        | Dalapon      | 2.653  | 2.711  | 642.4E6  | 562.1E6  | 181.633 | 189.953 |
| 2) T                        | 3,5-DICHL... | 6.429  | 6.716  | 776.6E6  | 497.7E6  | 203.432 | 195.199 |
| 3) T                        | 4-Nitroph... | 7.062  | 7.291  | 321.8E6  | 224.2E6  | 193.828 | 194.321 |
| 5) T                        | DICAMBA      | 7.451  | 7.966  | 2215.0E6 | 1497.1E6 | 195.228 | 186.177 |
| 6) T                        | MCPD         | 7.631  | 8.064  | 125.9E6  | 109.8E6  | 16.918  | 18.245  |
| 7) T                        | MCPA         | 7.780  | 8.309  | 187.1E6  | 163.1E6  | 18.066  | 19.509  |
| 8) T                        | DICHLORPROP  | 8.162  | 8.684  | 591.9E6  | 395.3E6  | 206.431 | 195.806 |
| 9) T                        | 2,4-D        | 8.394  | 9.015  | 657.9E6  | 441.5E6  | 205.017 | 196.565 |
| 10) T                       | Pentachlo... | 8.693  | 9.547  | 8878.0E6 | 5945.0E6 | 203.188 | 199.509 |
| 11) T                       | 2,4,5-TP ... | 9.276  | 9.923  | 3492.5E6 | 2460.7E6 | 201.633 | 195.549 |
| 12) T                       | 2,4,5-T      | 9.569  | 10.345 | 3534.9E6 | 2429.8E6 | 200.660 | 195.776 |
| 13) T                       | 2,4-DB       | 10.147 | 10.912 | 561.2E6  | 303.0E6  | 197.443 | 191.585 |
| 14) T                       | DINOSEB      | 11.364 | 11.292 | 2842.8E6 | 1680.5E6 | 194.787 | 191.515 |
| 15) T                       | Picloram     | 11.169 | 12.392 | 5567.6E6 | 3307.4E6 | 190.816 | 182.953 |
| 16) T                       | DCPA         | 11.656 | 12.339 | 4826.0E6 | 2771.8E6 | 200.001 | 195.462 |
| -----                       |              |        |        |          |          |         |         |

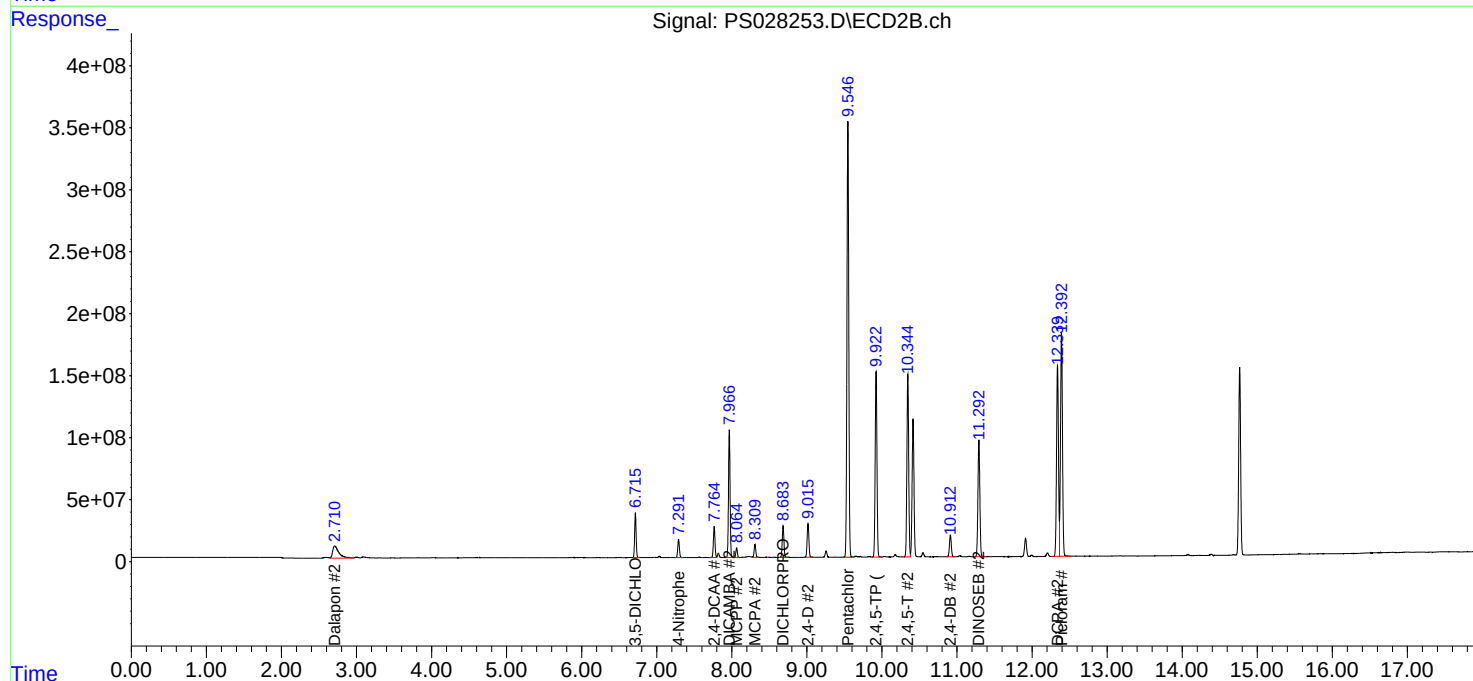
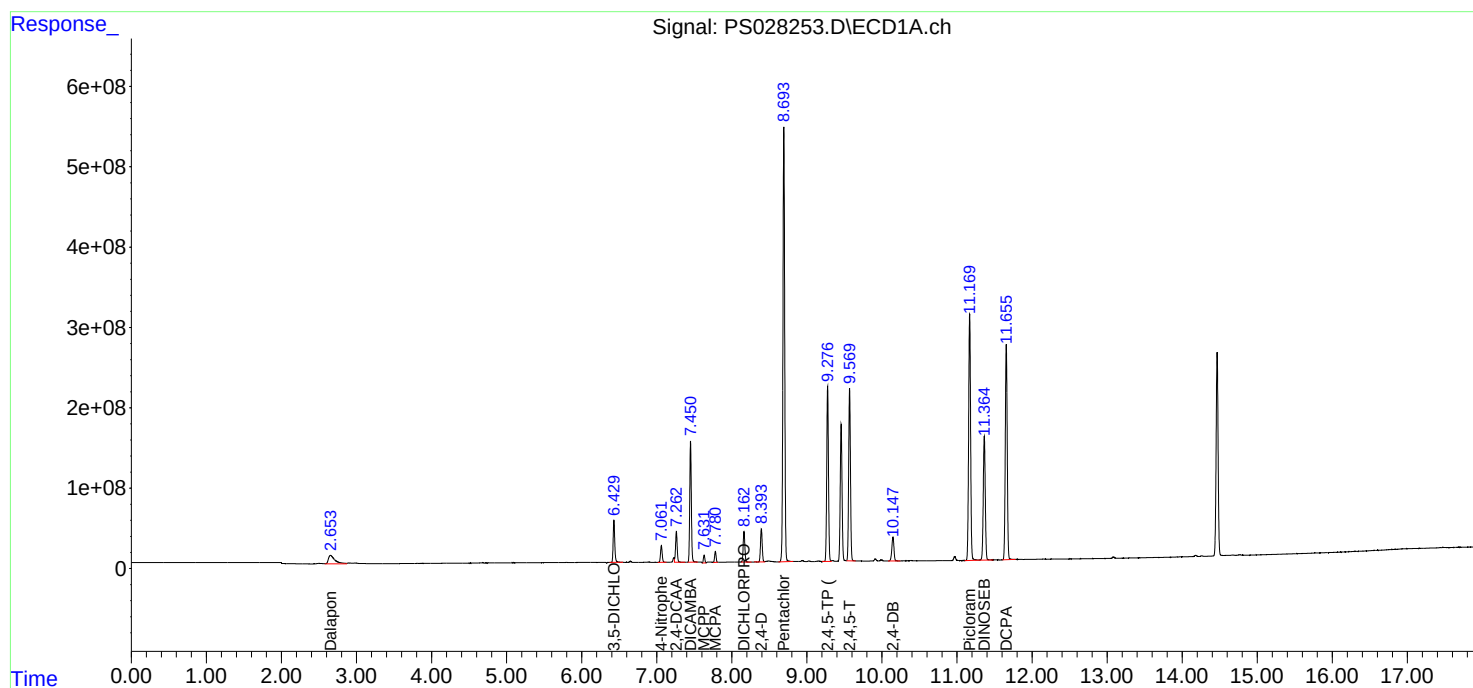
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028253.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 09:48  
Operator : AR\AJ  
Sample : HSTDICC200  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

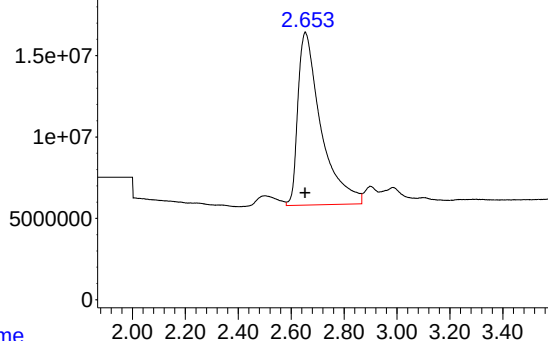
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:36:54 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:36:47 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Response\_ Signal: PS028253.D\ECD1A.ch

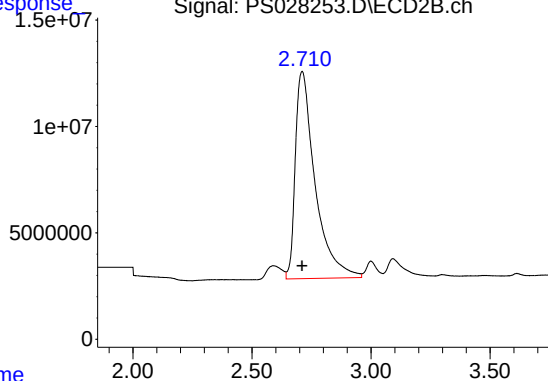


#1 Dalapon

R.T.: 2.653 min  
Delta R.T.: 0.000 min  
Response: 642355079  
Conc: 181.63 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

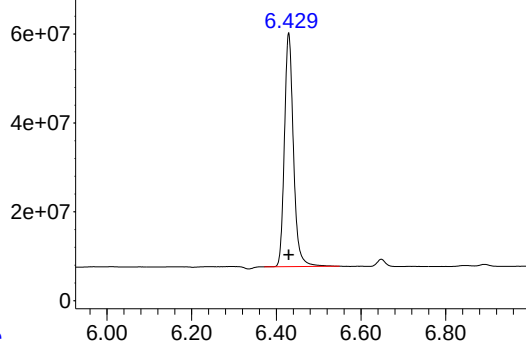
Time Response\_ Signal: PS028253.D\ECD2B.ch



#1 Dalapon

R.T.: 2.711 min  
Delta R.T.: 0.000 min  
Response: 562114992  
Conc: 189.95 ng/ml

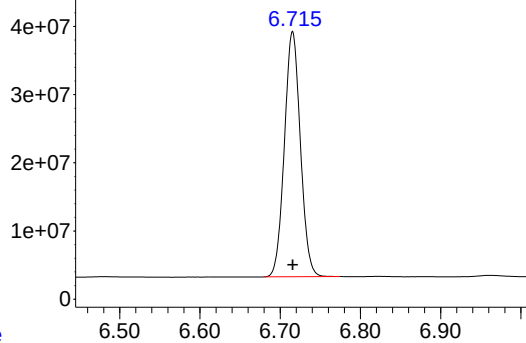
Time Response\_ Signal: PS028253.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

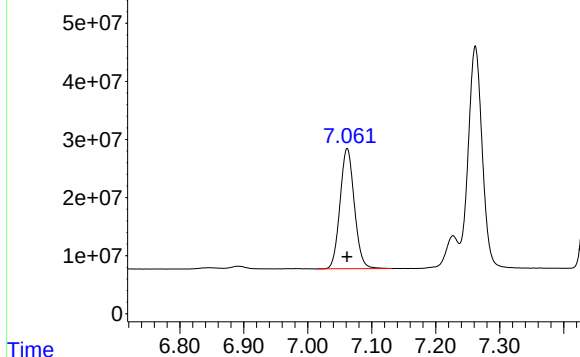
R.T.: 6.429 min  
Delta R.T.: 0.000 min  
Response: 776591468  
Conc: 203.43 ng/ml

Time Response\_ Signal: PS028253.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 497741373  
Conc: 195.20 ng/ml



R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 321799911  
Conc: 193.83 ng/ml

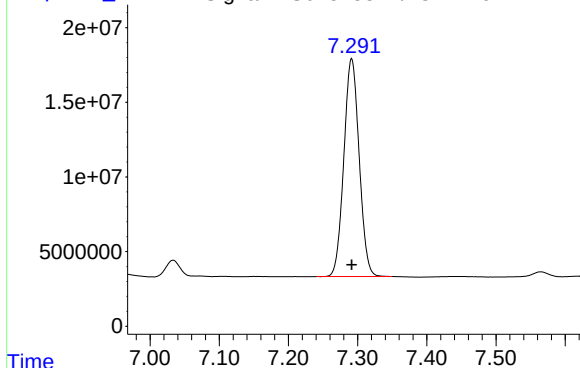
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

Time

Response\_

Signal: PS028253.D\ECD2B.ch

#3 4-Nitrophenol



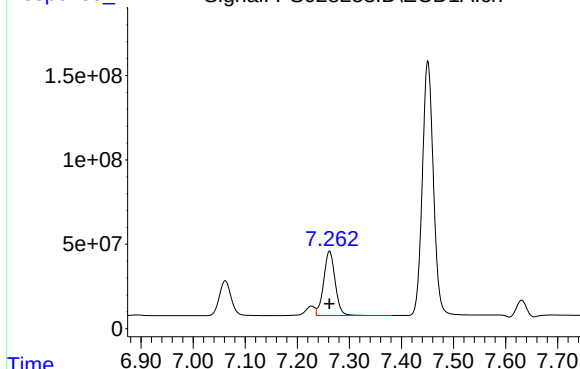
R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 224189111  
Conc: 194.32 ng/ml

Time

Response\_

Signal: PS028253.D\ECD1A.ch

#4 2,4-DCAA



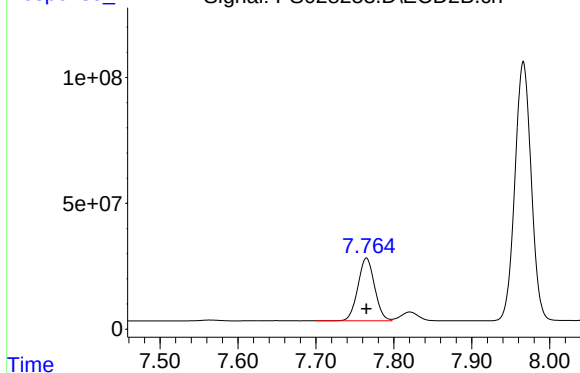
R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 582320101  
Conc: 223.51 ng/ml

Time

Response\_

Signal: PS028253.D\ECD2B.ch

#4 2,4-DCAA

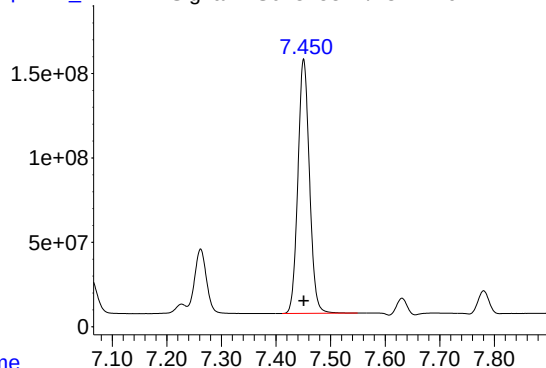


R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 371191822  
Conc: 211.53 ng/ml

Time

Response\_ Signal: PS028253.D\ECD1A.ch

#5 DICAMBA

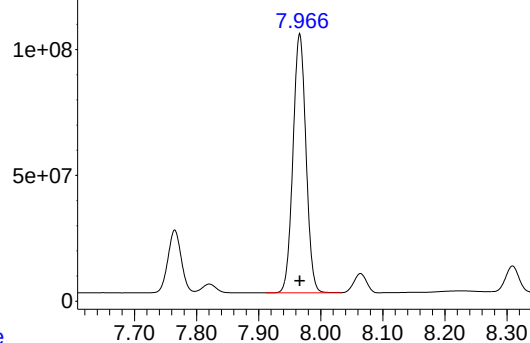


R.T.: 7.451 min  
Delta R.T.: 0.000 min  
Response: 2214982590  
Conc: 195.23 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

Time Response\_ Signal: PS028253.D\ECD2B.ch

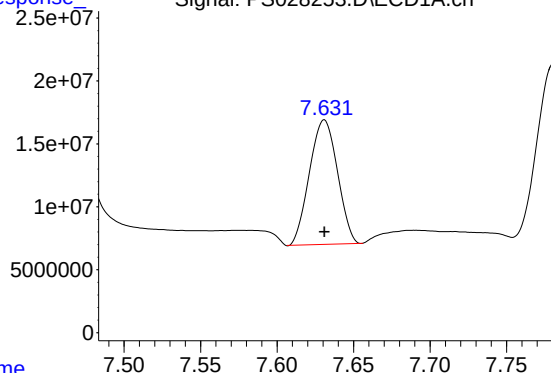
#5 DICAMBA



R.T.: 7.966 min  
Delta R.T.: 0.000 min  
Response: 1497117095  
Conc: 186.18 ng/ml

Time Response\_ Signal: PS028253.D\ECD1A.ch

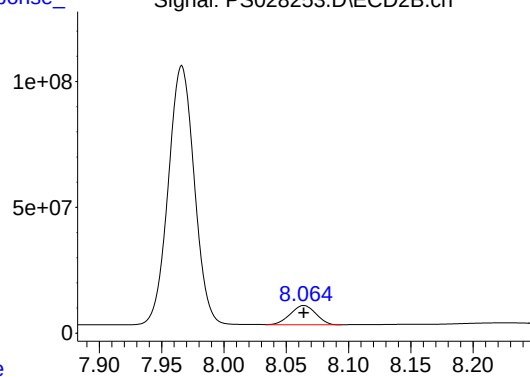
#6 MCP



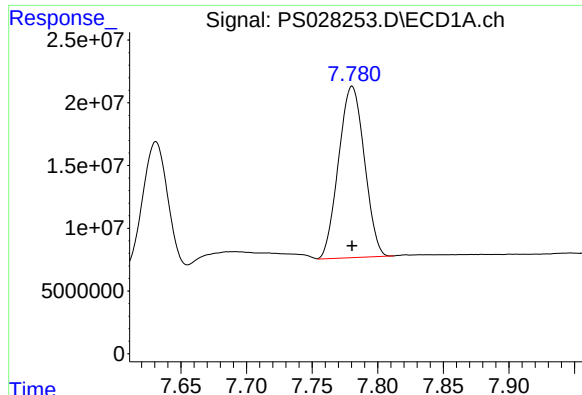
R.T.: 7.631 min  
Delta R.T.: 0.000 min  
Response: 125946998  
Conc: 16.92 ug/ml

Time Response\_ Signal: PS028253.D\ECD2B.ch

#6 MCP



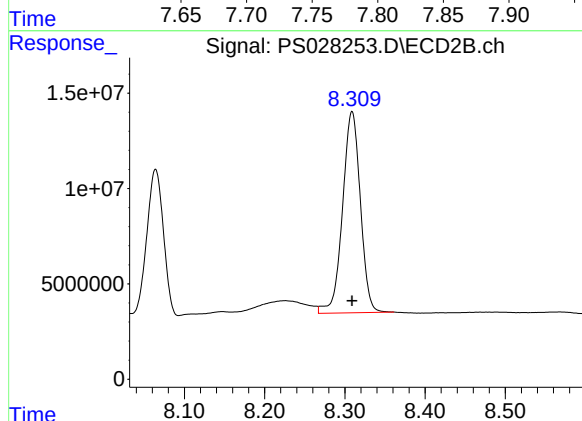
R.T.: 8.064 min  
Delta R.T.: 0.000 min  
Response: 109825902  
Conc: 18.24 ug/ml



#7 MCPA

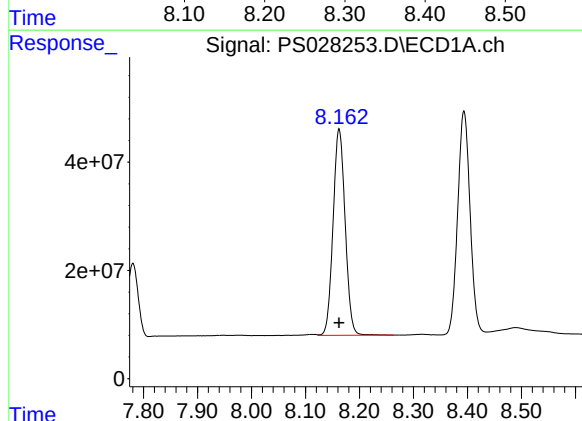
R.T.: 7.780 min  
Delta R.T.: 0.000 min  
Response: 187056081  
Conc: 18.07 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



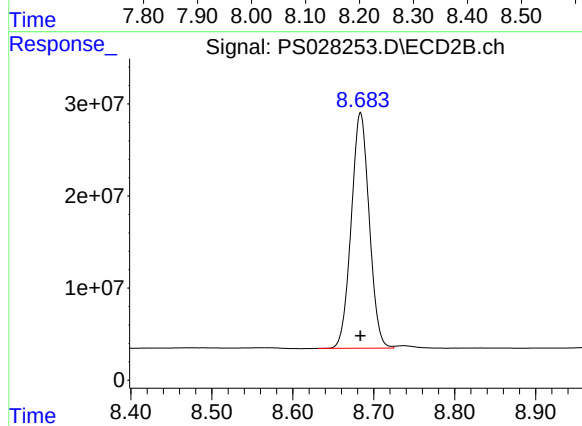
#7 MCPA

R.T.: 8.309 min  
Delta R.T.: 0.000 min  
Response: 163086934  
Conc: 19.51 ug/ml



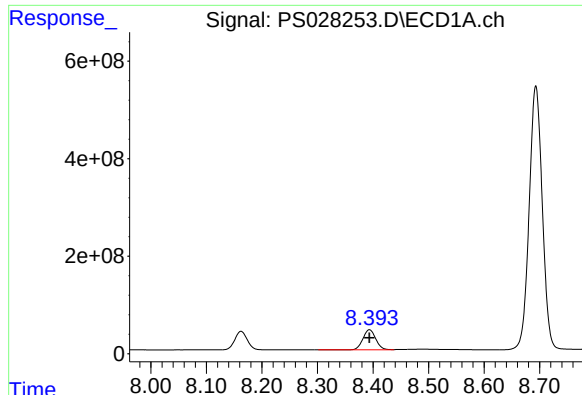
#8 DICHLORPROP

R.T.: 8.162 min  
Delta R.T.: 0.000 min  
Response: 591896274  
Conc: 206.43 ng/ml



#8 DICHLORPROP

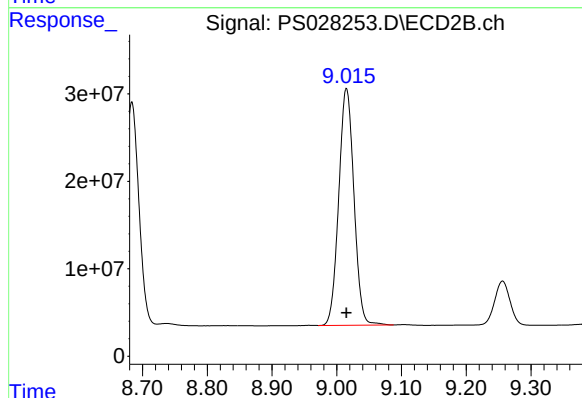
R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 395301941  
Conc: 195.81 ng/ml



#9 2,4-D

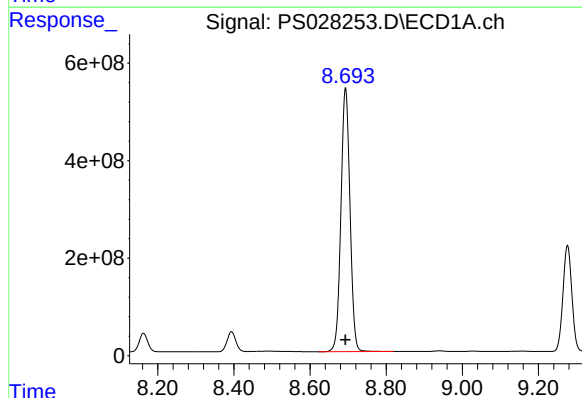
R.T.: 8.394 min  
Delta R.T.: 0.000 min  
Response: 657909754  
Conc: 205.02 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



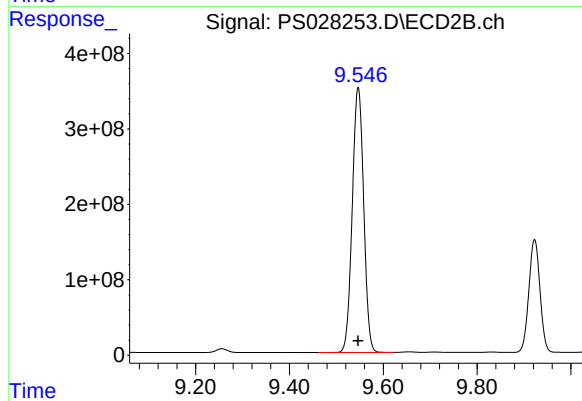
#9 2,4-D

R.T.: 9.015 min  
Delta R.T.: 0.000 min  
Response: 441456361  
Conc: 196.57 ng/ml



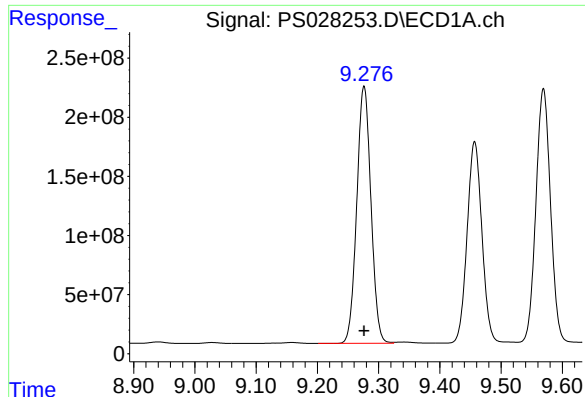
#10 Pentachlorophenol

R.T.: 8.693 min  
Delta R.T.: 0.000 min  
Response: 8877976889  
Conc: 203.19 ng/ml



#10 Pentachlorophenol

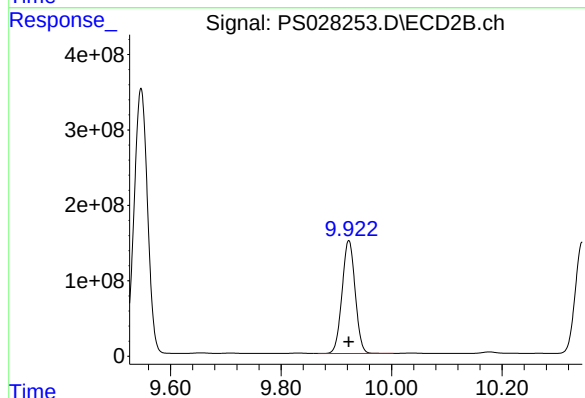
R.T.: 9.547 min  
Delta R.T.: 0.000 min  
Response: 5945020071  
Conc: 199.51 ng/ml



#11 2,4,5-TP (SILVEX)

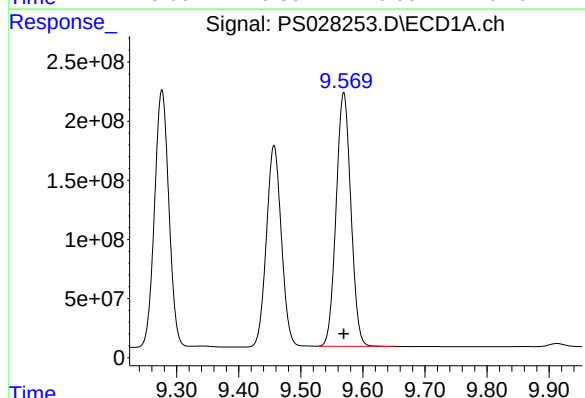
R.T.: 9.276 min  
Delta R.T.: 0.000 min  
Response: 3492467343  
Conc: 201.63 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



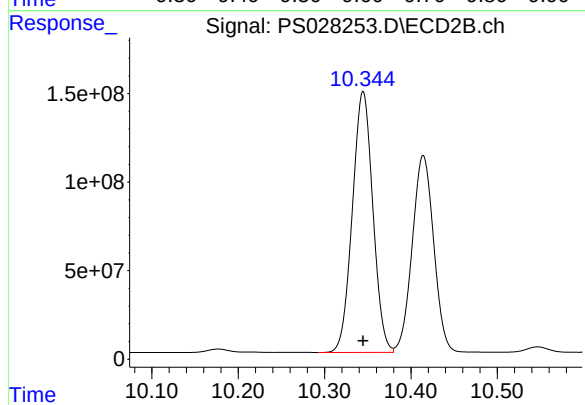
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min  
Delta R.T.: 0.000 min  
Response: 2460679717  
Conc: 195.55 ng/ml



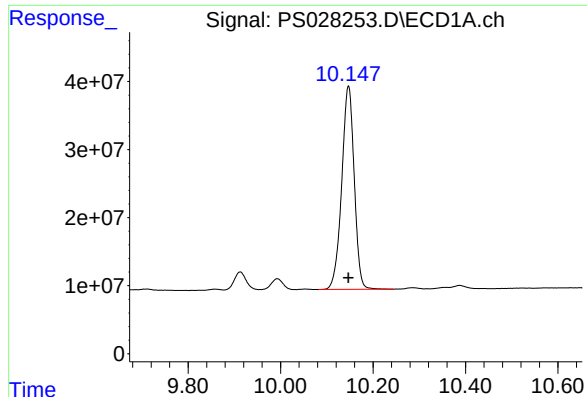
#12 2,4,5-T

R.T.: 9.569 min  
Delta R.T.: 0.000 min  
Response: 3534947725  
Conc: 200.66 ng/ml



#12 2,4,5-T

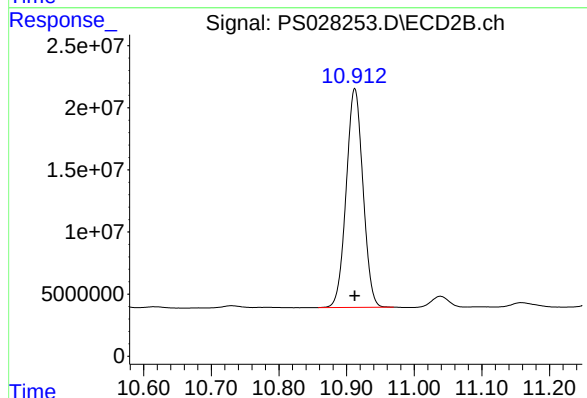
R.T.: 10.345 min  
Delta R.T.: 0.000 min  
Response: 2429791973  
Conc: 195.78 ng/ml



#13 2,4-DB

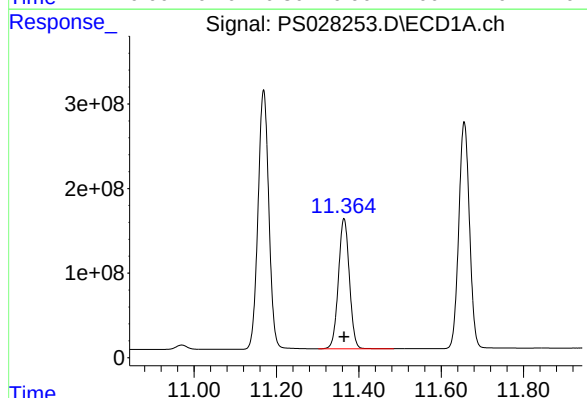
R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 561209882  
Conc: 197.44 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



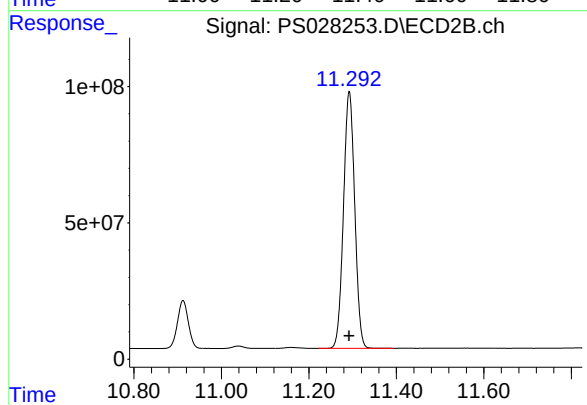
#13 2,4-DB

R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 302991891  
Conc: 191.58 ng/ml



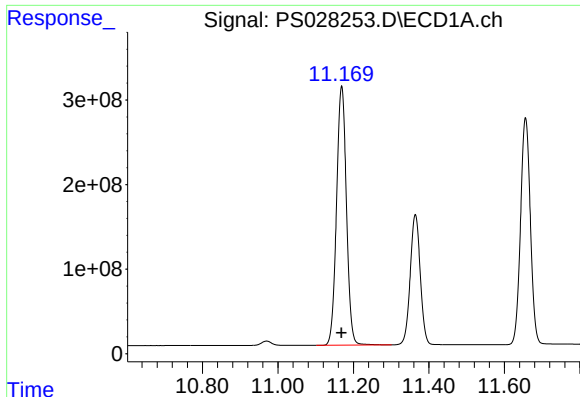
#14 DINOSEB

R.T.: 11.364 min  
Delta R.T.: 0.000 min  
Response: 2842779862  
Conc: 194.79 ng/ml



#14 DINOSEB

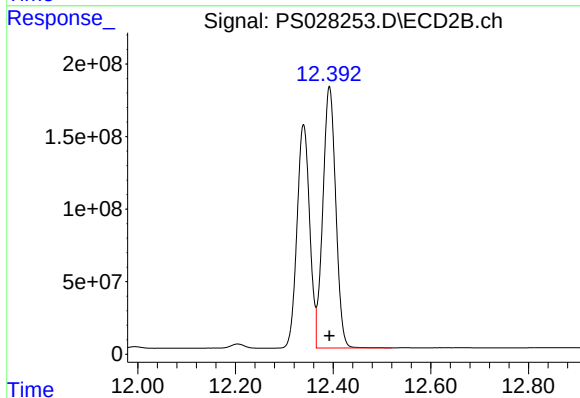
R.T.: 11.292 min  
Delta R.T.: 0.000 min  
Response: 1680529004  
Conc: 191.52 ng/ml



#15 Picloram

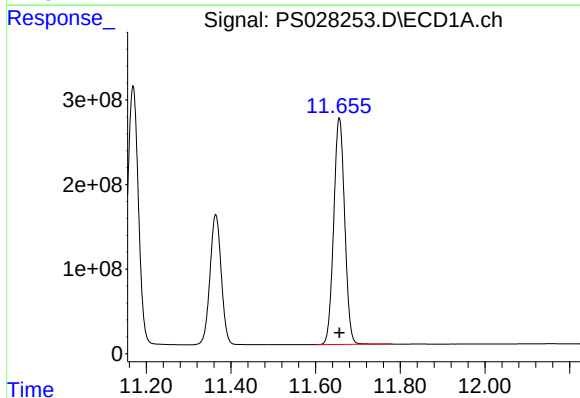
R.T.: 11.169 min  
Delta R.T.: 0.000 min  
Response: 5567638798  
Conc: 190.82 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



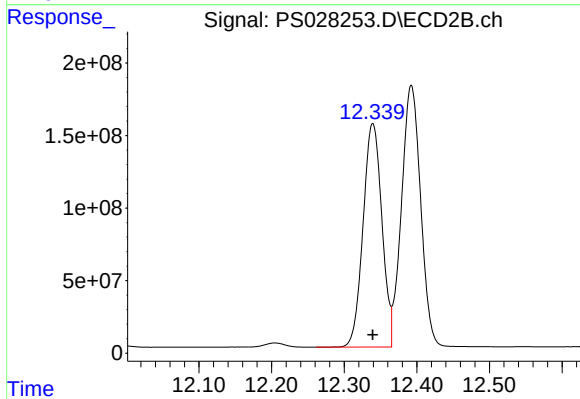
#15 Picloram

R.T.: 12.392 min  
Delta R.T.: 0.000 min  
Response: 3307364314  
Conc: 182.95 ng/ml



#16 DCPA

R.T.: 11.656 min  
Delta R.T.: 0.000 min  
Response: 4826032560  
Conc: 200.00 ng/ml



#16 DCPA

R.T.: 12.339 min  
Delta R.T.: 0.000 min  
Response: 2771776460  
Conc: 195.46 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028254.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Nov 2024 10:12  
 Operator : AR\AJ  
 Sample : HSTDICC500  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC500

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 06 11:33:09 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:33:01 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |              |        |        |           |           |          |         |
| System Monitoring Compounds |              |        |        |           |           |          |         |
| 4) S                        | 2,4-DCAA     | 7.262  | 7.765  | 1265.5E6  | 870.6E6   | 492.828m | 501.380 |
| Target Compounds            |              |        |        |           |           |          |         |
| 1) T                        | Dalapon      | 2.654  | 2.710  | 1576.6E6  | 1334.9E6  | 449.078  | 454.559 |
| 2) T                        | 3,5-DICHL... | 6.431  | 6.716  | 1771.1E6  | 1178.0E6  | 470.764  | 465.677 |
| 3) T                        | 4-Nitroph... | 7.062  | 7.291  | 748.3E6   | 518.6E6   | 456.609  | 456.042 |
| 5) T                        | DICAMBA      | 7.452  | 7.967  | 5332.7E6  | 3769.1E6  | 471.139  | 466.034 |
| 6) T                        | MCPD         | 7.634  | 8.067  | 349.6E6   | 280.7E6   | 45.882   | 46.335  |
| 7) T                        | MCPA         | 7.784  | 8.312  | 480.5E6   | 382.5E6   | 45.988   | 46.343  |
| 8) T                        | DICHLORPROP  | 8.163  | 8.684  | 1341.1E6  | 943.2E6   | 475.774  | 470.524 |
| 9) T                        | 2,4-D        | 8.394  | 9.016  | 1503.2E6  | 1049.6E6  | 475.477  | 470.744 |
| 10) T                       | Pentachlo... | 8.694  | 9.546  | 21029.5E6 | 14322.7E6 | 481.316  | 479.818 |
| 11) T                       | 2,4,5-TP ... | 9.277  | 9.923  | 8261.8E6  | 5990.7E6  | 479.437  | 475.627 |
| 12) T                       | 2,4,5-T      | 9.570  | 10.344 | 8407.1E6  | 5907.4E6  | 479.082  | 475.572 |
| 13) T                       | 2,4-DB       | 10.147 | 10.912 | 1342.8E6  | 743.8E6   | 475.218  | 471.354 |
| 14) T                       | DINOSEB      | 11.365 | 11.293 | 6850.2E6  | 4122.6E6  | 470.326  | 469.215 |
| 15) T                       | Picloram     | 11.169 | 12.393 | 13862.1E6 | 8612.2E6  | 472.396  | 469.122 |
| 16) T                       | DCPA         | 11.657 | 12.339 | 11638.0E6 | 6852.1E6  | 482.282  | 480.529 |
| -----                       |              |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028254.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 10:12  
Operator : AR\AJ  
Sample : HSTDICC500  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC500

## Manual Integrations

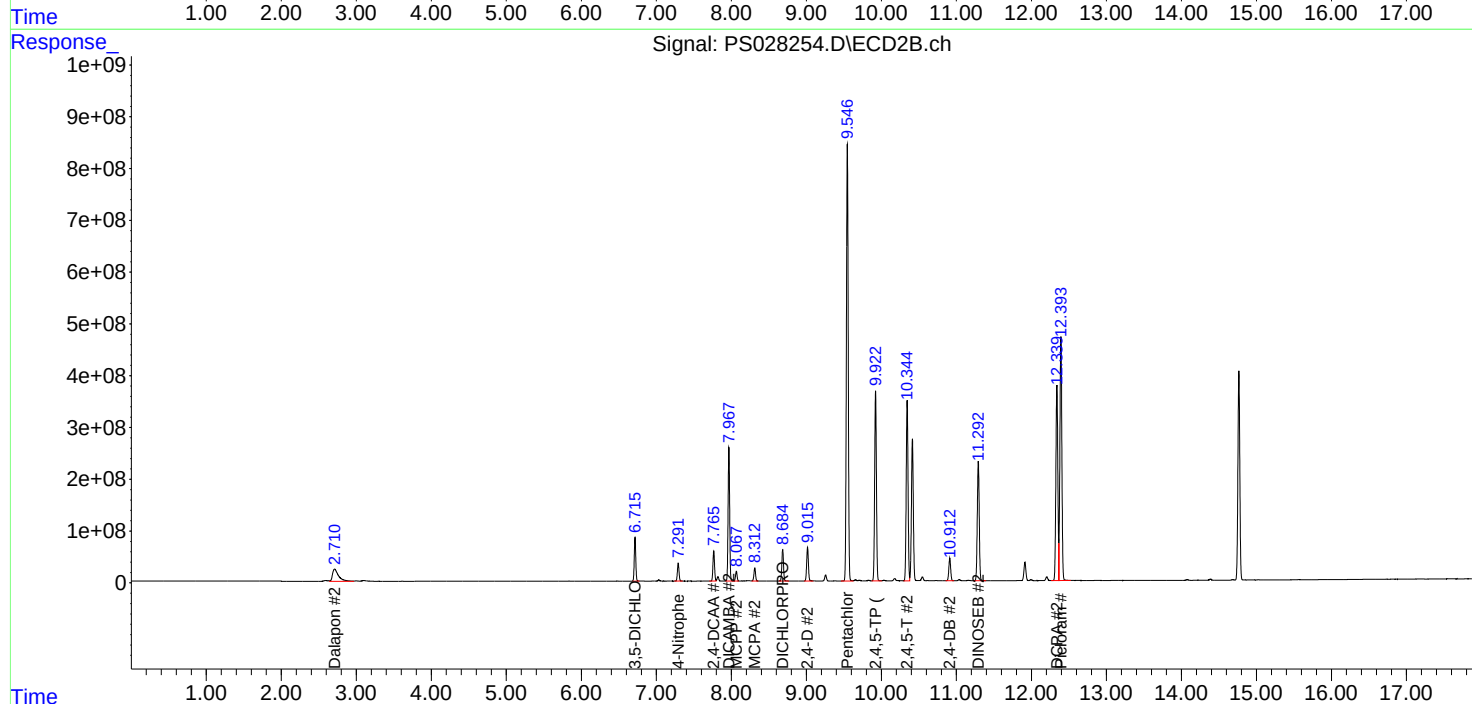
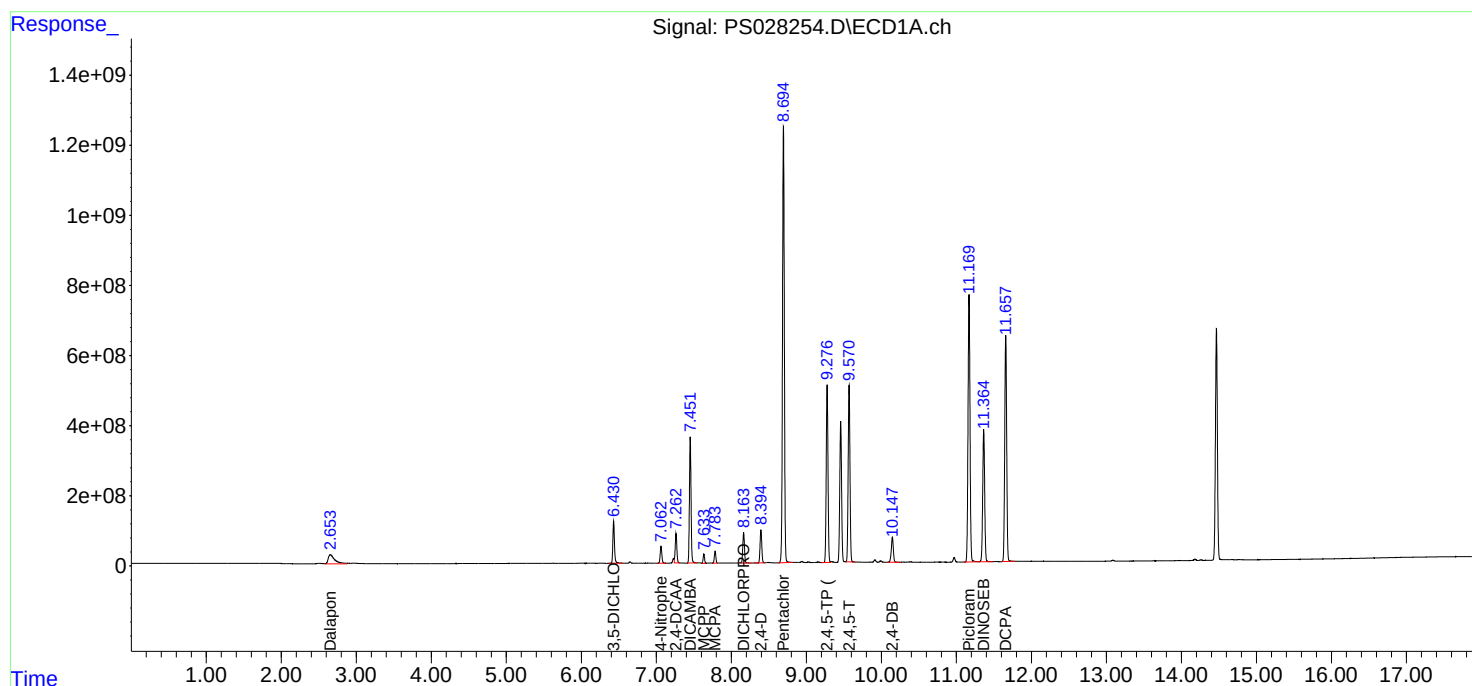
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:33:09 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:33:01 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028254.D\ECD1A.ch

#1 Dalapon

R.T.: 2.654 min  
Delta R.T.: 0.000 min  
Response: 1576612145  
Conc: 449.08 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_ Signal: PS028254.D\ECD2B.ch

#1 Dalapon

R.T.: 2.710 min  
Delta R.T.: 0.000 min  
Response: 1334908950  
Conc: 454.56 ng/ml

Time

Response\_ Signal: PS028254.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.431 min  
Delta R.T.: 0.000 min  
Response: 1771119667  
Conc: 470.76 ng/ml

Time

Response\_ Signal: PS028254.D\ECD2B.ch

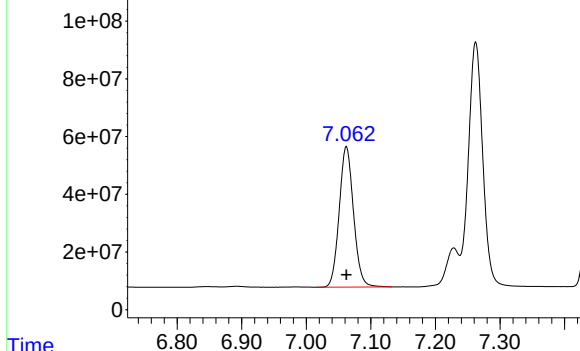
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 1177952360  
Conc: 465.68 ng/ml

Time

Response\_ Signal: PS028254.D\ECD1A.ch

Time



R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 748328913  
Conc: 456.61 ng/ml

Instrument :

ECD\_S

ClientSampleId :

HSTDICC500

Manual Integrations

APPROVED

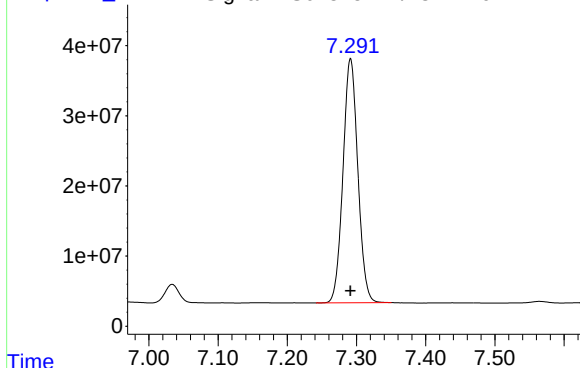
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028254.D\ECD2B.ch

#3 4-Nitrophenol



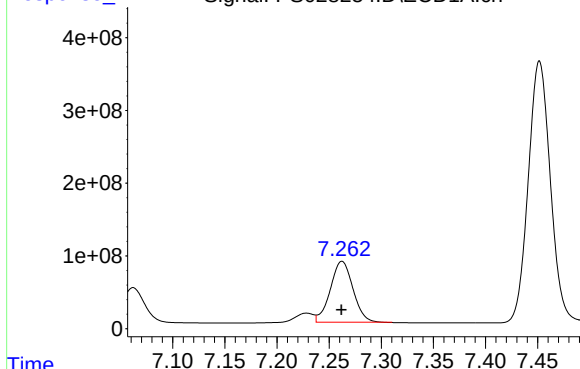
R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 518627832  
Conc: 456.04 ng/ml

Time

Response\_

Signal: PS028254.D\ECD1A.ch

#4 2,4-DCAA



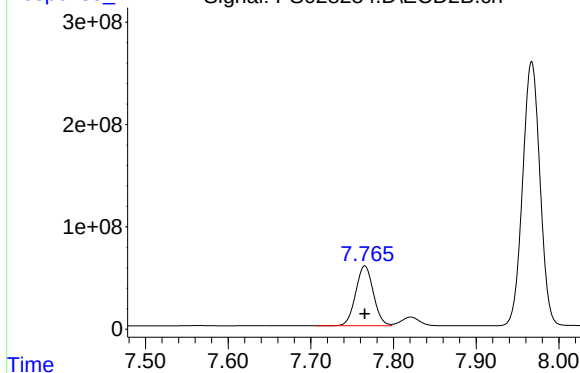
R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 1265480600  
Conc: 492.83 ng/ml m

Time

Response\_

Signal: PS028254.D\ECD2B.ch

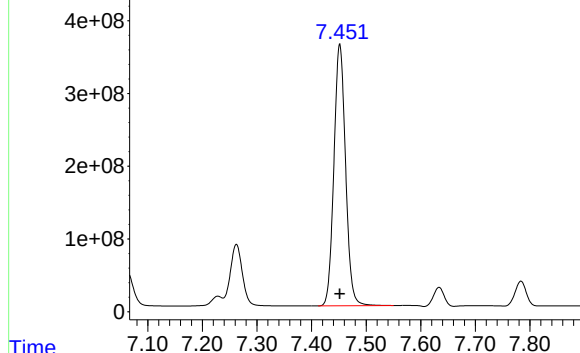
#4 2,4-DCAA



R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 870608257  
Conc: 501.38 ng/ml

Time

Response\_ Signal: PS028254.D\ECD1A.ch



#5 DICAMBA

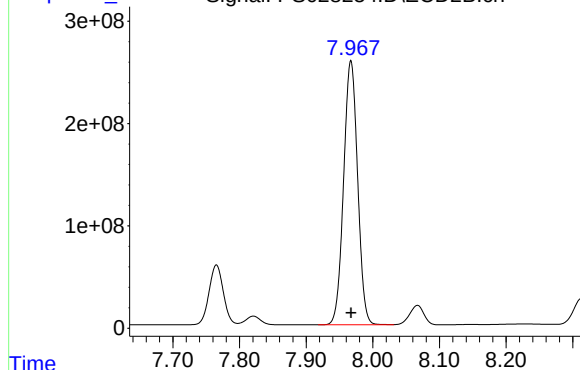
R.T.: 7.452 min  
Delta R.T.: 0.000 min  
Response: 5332661830  
Conc: 471.14 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

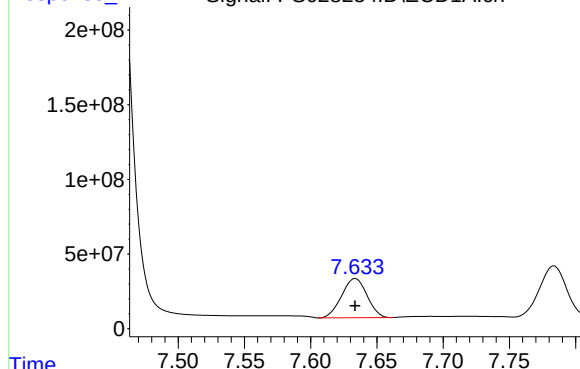
Time Response\_ Signal: PS028254.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.967 min  
Delta R.T.: 0.000 min  
Response: 3769124451  
Conc: 466.03 ng/ml

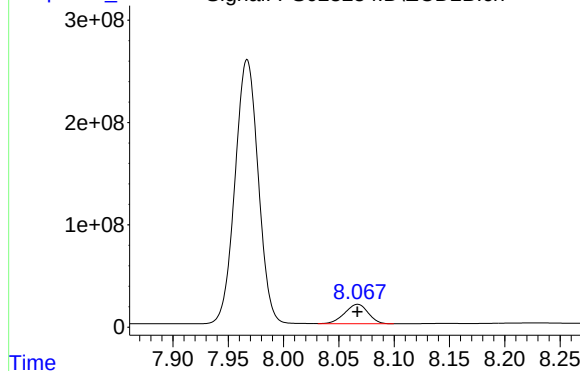
Response\_ Signal: PS028254.D\ECD1A.ch



#6 MCP

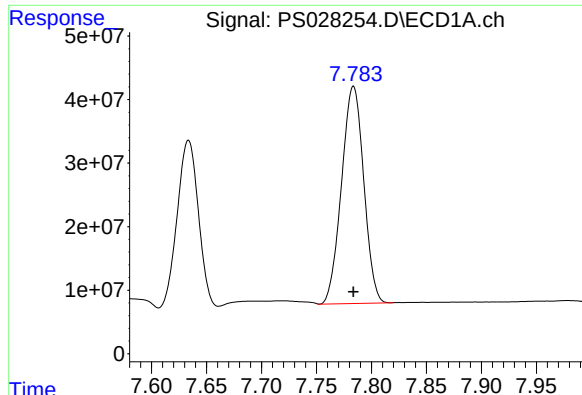
R.T.: 7.634 min  
Delta R.T.: 0.000 min  
Response: 349556539  
Conc: 45.88 ug/ml

Time Response\_ Signal: PS028254.D\ECD2B.ch



#6 MCP

R.T.: 8.067 min  
Delta R.T.: 0.000 min  
Response: 280696221  
Conc: 46.33 ug/ml



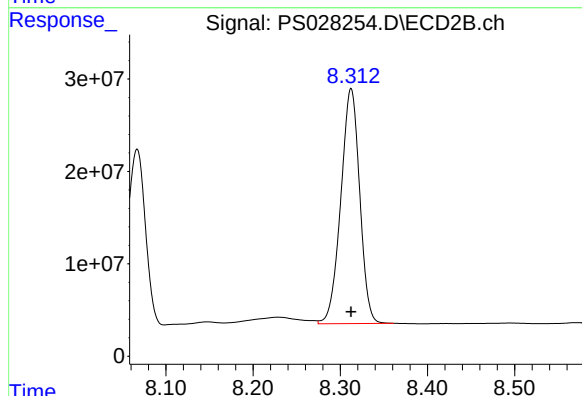
#7 MCPA

R.T.: 7.784 min  
Delta R.T.: 0.000 min  
Response: 480539376  
Conc: 45.99 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

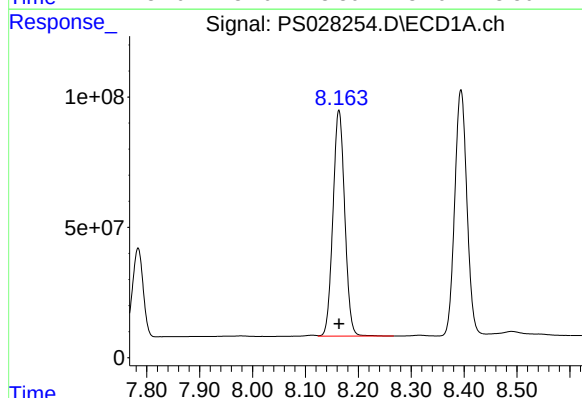
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



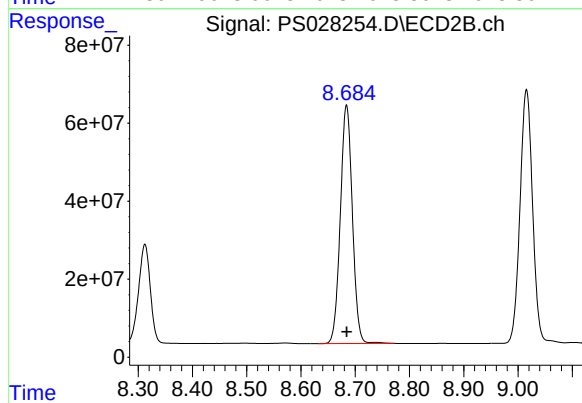
#7 MCPA

R.T.: 8.312 min  
Delta R.T.: 0.000 min  
Response: 382498869  
Conc: 46.34 ug/ml



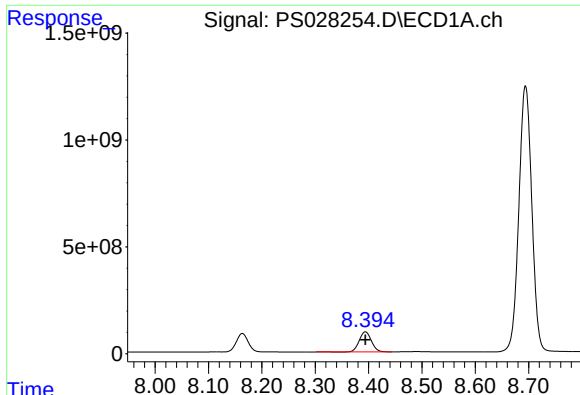
#8 DICHLORPROP

R.T.: 8.163 min  
Delta R.T.: 0.000 min  
Response: 1341105308  
Conc: 475.77 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 943187040  
Conc: 470.52 ng/ml



#9 2,4-D

R.T.: 8.394 min  
Delta R.T.: 0.000 min  
Response: 1503244269  
Conc: 475.48 ng/ml

Instrument :

ECD\_S

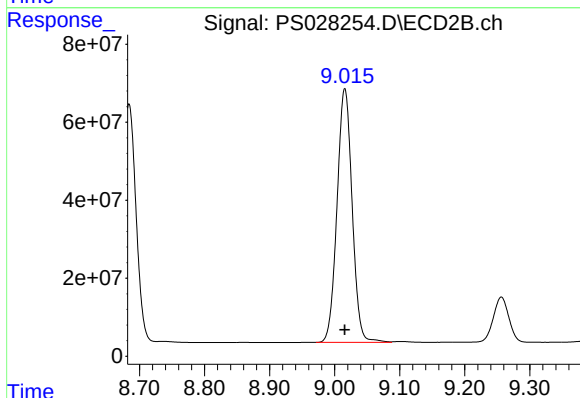
ClientSampleId :

HSTDICC500

Manual Integrations

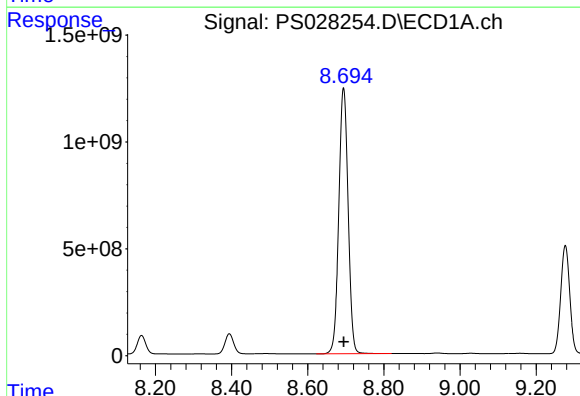
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



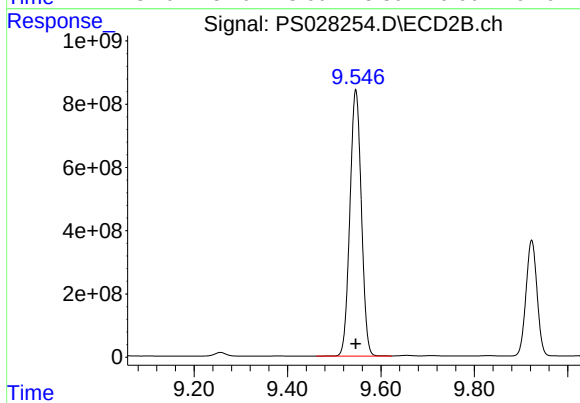
#9 2,4-D

R.T.: 9.016 min  
Delta R.T.: 0.000 min  
Response: 1049620163  
Conc: 470.74 ng/ml



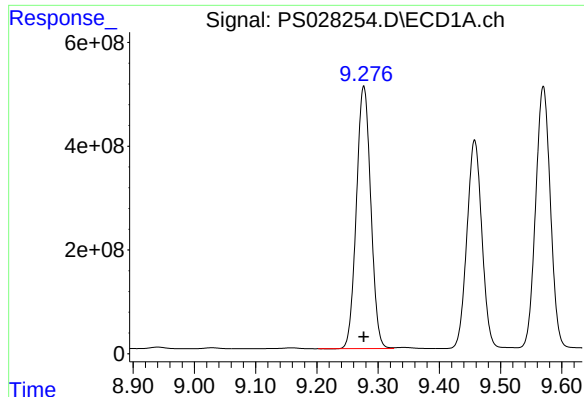
#10 Pentachlorophenol

R.T.: 8.694 min  
Delta R.T.: 0.000 min  
Response: 21029542330  
Conc: 481.32 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min  
Delta R.T.: 0.000 min  
Response: 14322670005  
Conc: 479.82 ng/ml



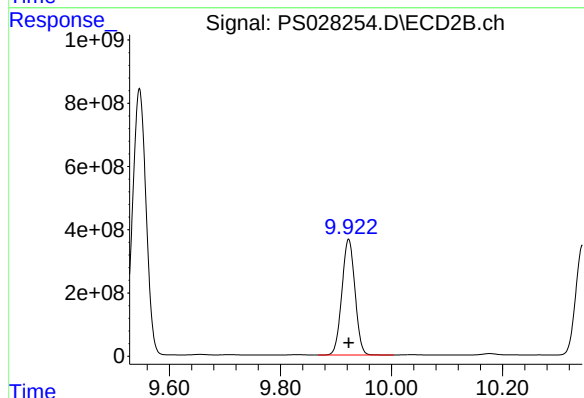
#11 2,4,5-TP (SILVEX)

R.T.: 9.277 min  
Delta R.T.: 0.000 min  
Response: 8261845990  
Conc: 479.44 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

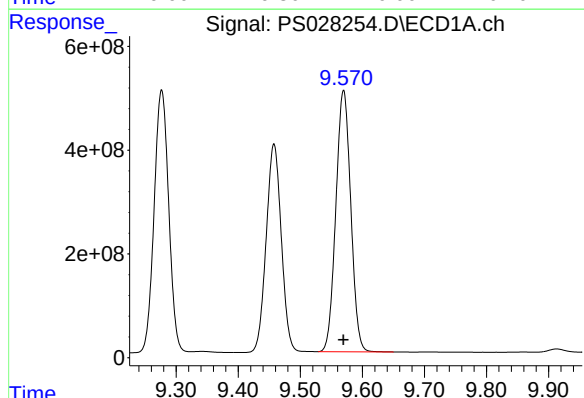
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



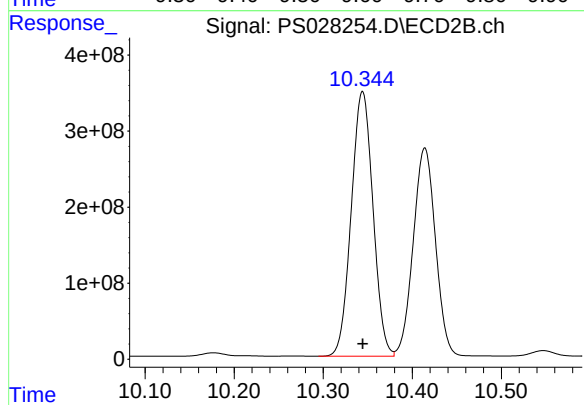
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min  
Delta R.T.: 0.000 min  
Response: 5990708385  
Conc: 475.63 ng/ml



#12 2,4,5-T

R.T.: 9.570 min  
Delta R.T.: 0.000 min  
Response: 8407092602  
Conc: 479.08 ng/ml



#12 2,4,5-T

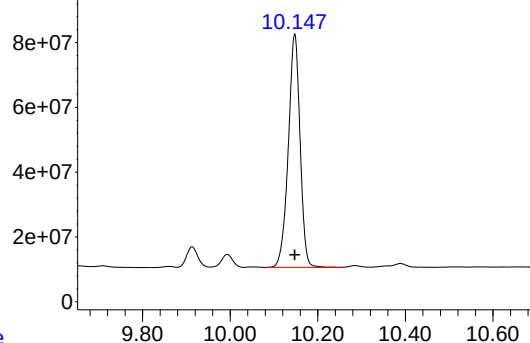
R.T.: 10.344 min  
Delta R.T.: 0.000 min  
Response: 5907419244  
Conc: 475.57 ng/ml



Response\_

Signal: PS028254.D\ECD1A.ch

#13 2,4-DB



R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 1342838914  
Conc: 475.22 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

Manual Integrations  
APPROVED

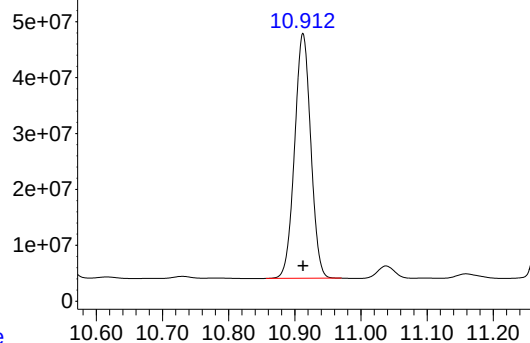
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028254.D\ECD2B.ch

#13 2,4-DB



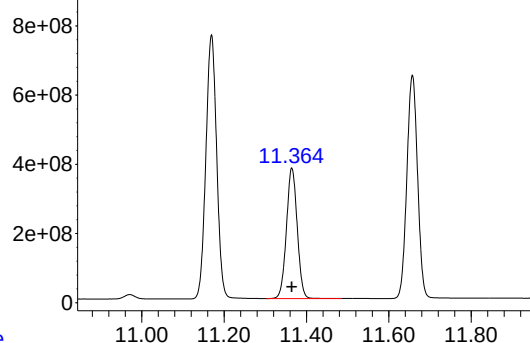
R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 743787551  
Conc: 471.35 ng/ml

Time

Response\_

Signal: PS028254.D\ECD1A.ch

#14 DINOSEB



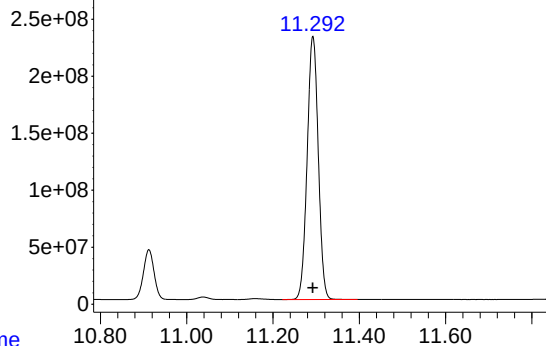
R.T.: 11.365 min  
Delta R.T.: 0.000 min  
Response: 6850183894  
Conc: 470.33 ng/ml

Time

Response\_

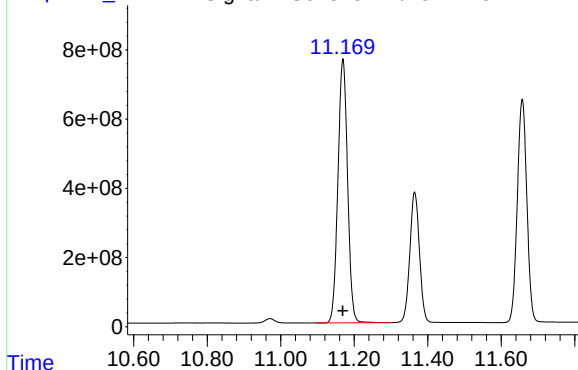
Signal: PS028254.D\ECD2B.ch

#14 DINOSEB



R.T.: 11.293 min  
Delta R.T.: 0.000 min  
Response: 4122557520  
Conc: 469.22 ng/ml

Time

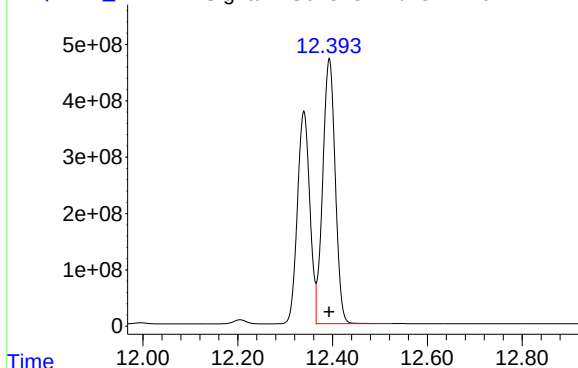


R.T.: 11.169 min  
Delta R.T.: 0.000 min  
Response: 13862147165  
Conc: 472.40 ng/ml

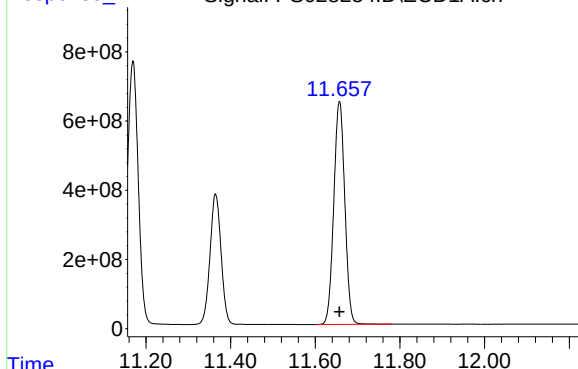
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

Manual Integrations  
APPROVED

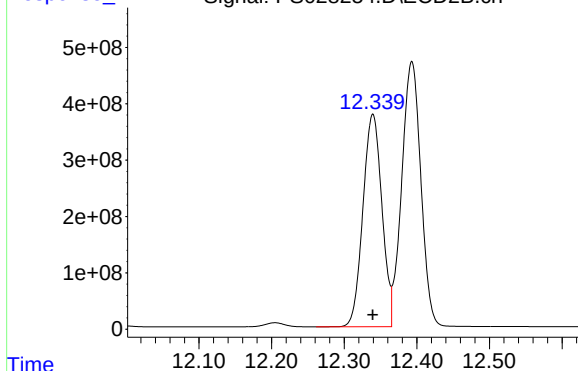
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



R.T.: 12.393 min  
Delta R.T.: 0.000 min  
Response: 8612156410  
Conc: 469.12 ng/ml



R.T.: 11.657 min  
Delta R.T.: 0.000 min  
Response: 11638043614  
Conc: 482.28 ng/ml



R.T.: 12.339 min  
Delta R.T.: 0.000 min  
Response: 6852136562  
Conc: 480.53 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028255.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 10:36  
Operator : AR\AJ  
Sample : HSTDICC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:12:08 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:11:45 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|---------|
| -----                       |              |        |        |           |           |         |         |
| System Monitoring Compounds |              |        |        |           |           |         |         |
| 4) S                        | 2,4-DCAA     | 7.262  | 7.765  | 1910.0E6  | 1298.7E6  | 750.000 | 750.000 |
| Target Compounds            |              |        |        |           |           |         |         |
| 1) T                        | Dalapon      | 2.653  | 2.709  | 2427.3E6  | 2006.2E6  | 682.500 | 682.500 |
| 2) T                        | 3,5-DICHL... | 6.429  | 6.715  | 2591.6E6  | 1761.8E6  | 697.500 | 697.500 |
| 3) T                        | 4-Nitroph... | 7.061  | 7.291  | 1114.6E6  | 774.4E6   | 682.500 | 682.500 |
| 5) T                        | DICAMBA      | 7.451  | 7.967  | 7960.3E6  | 5749.9E6  | 705.000 | 705.000 |
| 6) T                        | MCPD         | 7.635  | 8.069  | 549.9E6   | 433.1E6   | 70.500  | 70.500  |
| 7) T                        | MCPA         | 7.786  | 8.315  | 736.9E6   | 577.6E6   | 69.750  | 69.750  |
| 8) T                        | DICHLORPROP  | 8.163  | 8.684  | 1962.8E6  | 1411.6E6  | 705.000 | 705.000 |
| 9) T                        | 2,4-D        | 8.394  | 9.015  | 2202.9E6  | 1569.5E6  | 705.000 | 705.000 |
| 10) T                       | Pentachlo... | 8.694  | 9.547  | 30716.5E6 | 21052.6E6 | 712.500 | 712.500 |
| 11) T                       | 2,4,5-TP ... | 9.277  | 9.923  | 12163.4E6 | 8962.4E6  | 712.500 | 712.500 |
| 12) T                       | 2,4,5-T      | 9.569  | 10.344 | 12395.8E6 | 8839.8E6  | 712.500 | 712.500 |
| 13) T                       | 2,4-DB       | 10.147 | 10.912 | 2012.4E6  | 1132.9E6  | 712.500 | 712.500 |
| 14) T                       | DINOSEB      | 11.364 | 11.291 | 10261.0E6 | 6204.5E6  | 705.000 | 705.000 |
| 15) T                       | Picloram     | 11.169 | 12.393 | 21022.4E6 | 13242.0E6 | 712.500 | 712.500 |
| 16) T                       | DCPA         | 11.657 | 12.339 | 17291.9E6 | 10255.6E6 | 720.000 | 720.000 |
| -----                       |              |        |        |           |           |         |         |

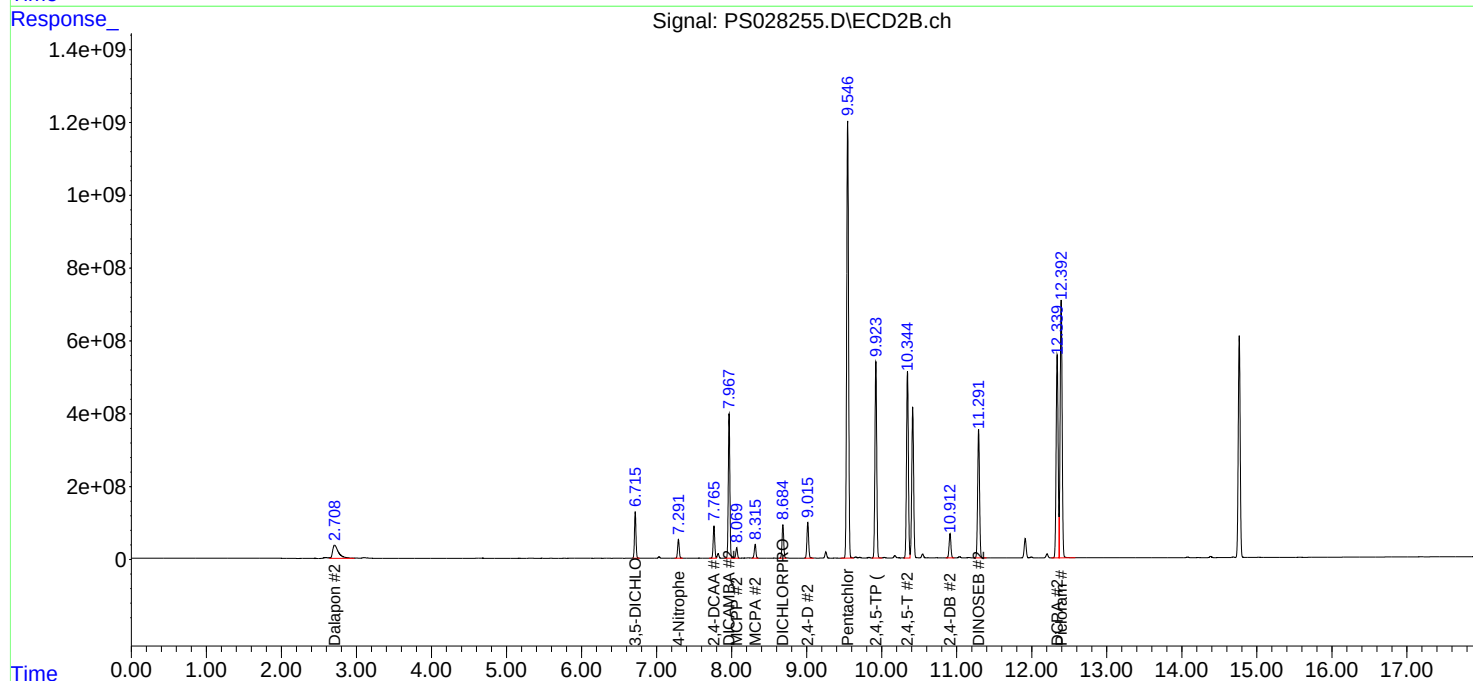
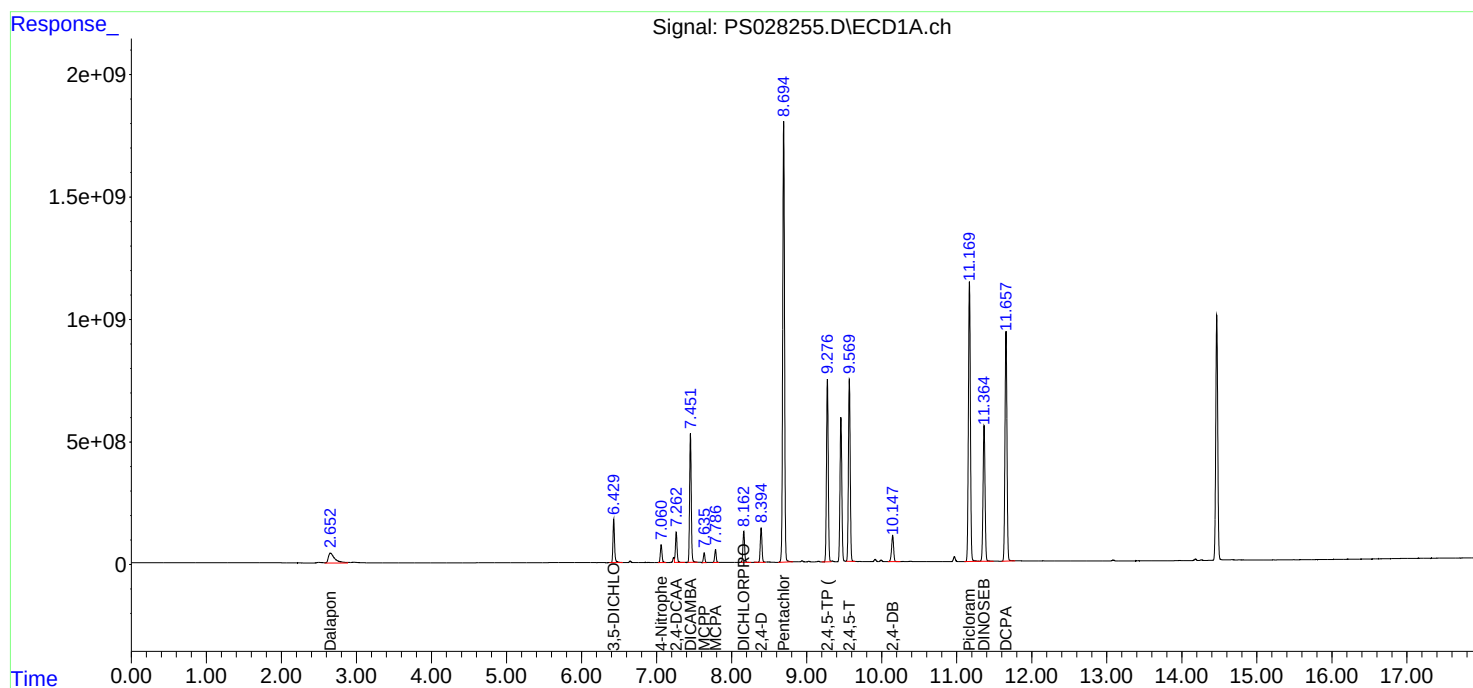
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028255.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 10:36  
Operator : AR\AJ  
Sample : HSTDICC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:12:08 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:11:45 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_

Signal: PS028255.D\ECD1A.ch

#1 Dalapon

R.T.: 2.653 min

Delta R.T.: 0.000 min

Response: 2427295820

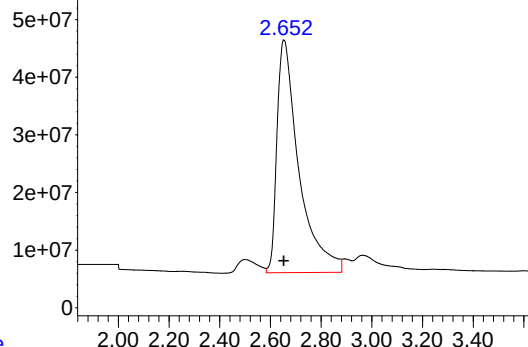
Conc: 682.50 ng/ml

Instrument :

ECD\_S

ClientSampleId :

HSTDICC750



Time

Response\_

Signal: PS028255.D\ECD2B.ch

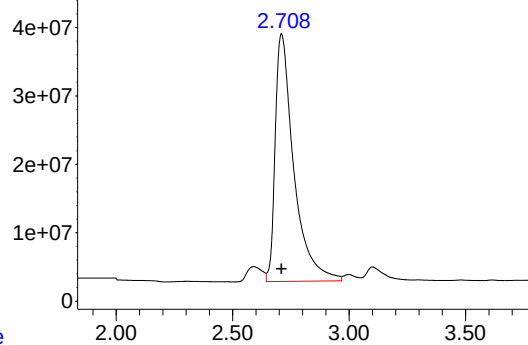
#1 Dalapon

R.T.: 2.709 min

Delta R.T.: 0.000 min

Response: 2006246868

Conc: 682.50 ng/ml



Time

Response\_

Signal: PS028255.D\ECD1A.ch

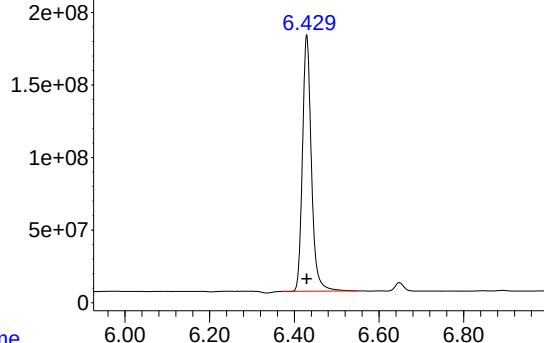
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.429 min

Delta R.T.: 0.000 min

Response: 2591623320

Conc: 697.50 ng/ml



Time

Response\_

Signal: PS028255.D\ECD2B.ch

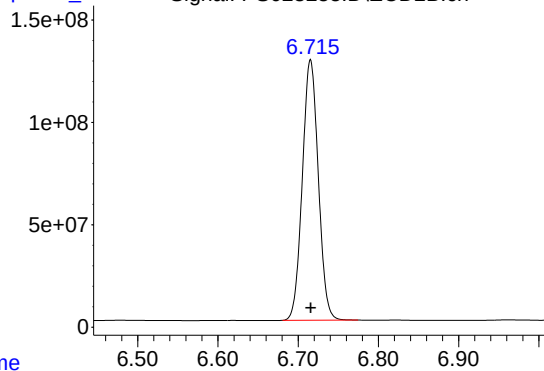
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min

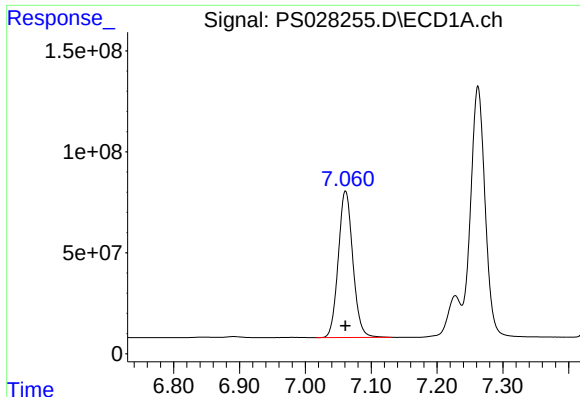
Delta R.T.: 0.000 min

Response: 1761789884

Conc: 697.50 ng/ml



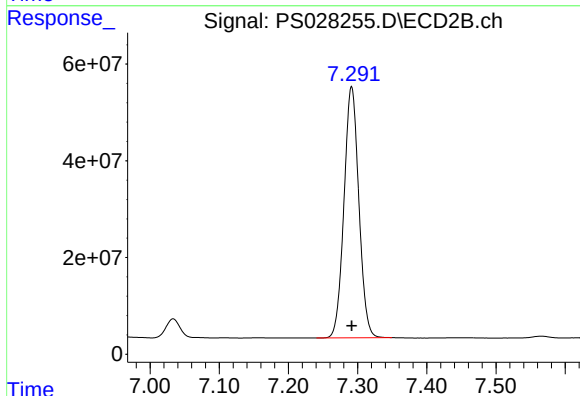
Time



#3 4-Nitrophenol

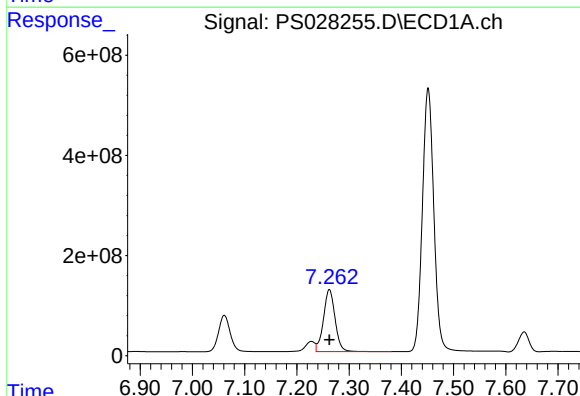
R.T.: 7.061 min  
Delta R.T.: 0.000 min  
Response: 1114580645  
Conc: 682.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



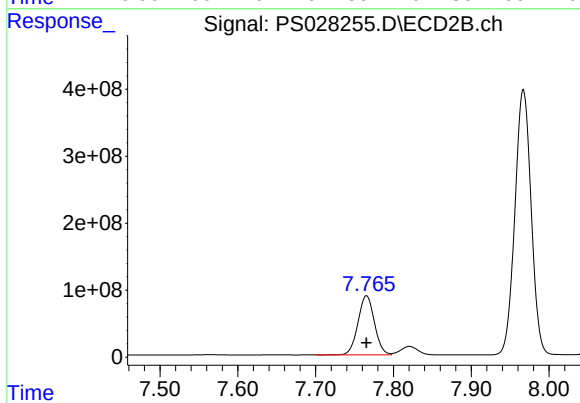
#3 4-Nitrophenol

R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 774386777  
Conc: 682.50 ng/ml



#4 2,4-DCAA

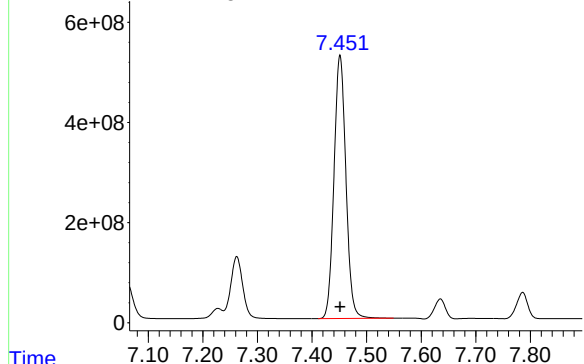
R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 1909957731  
Conc: 750.00 ng/ml



#4 2,4-DCAA

R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 1298725092  
Conc: 750.00 ng/ml

Response\_ Signal: PS028255.D\ECD1A.ch

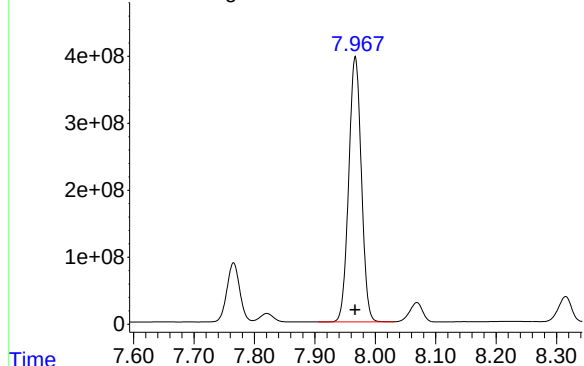


#5 DICAMBA

R.T.: 7.451 min  
Delta R.T.: 0.000 min  
Response: 7960325238  
Conc: 705.00 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750

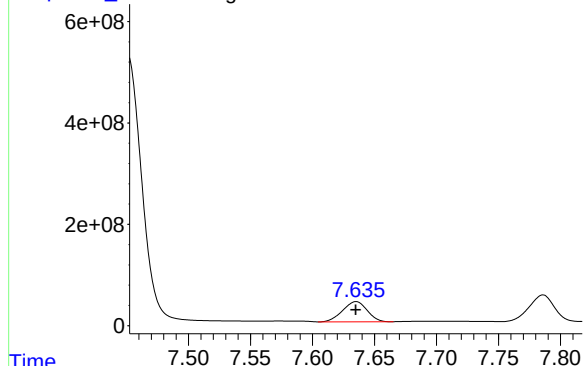
Time Response\_ Signal: PS028255.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.967 min  
Delta R.T.: 0.000 min  
Response: 5749907361  
Conc: 705.00 ng/ml

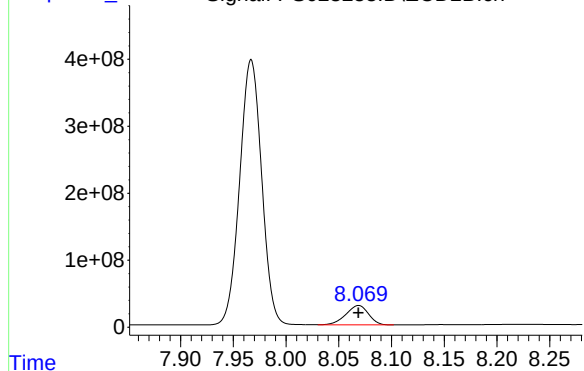
Time Response\_ Signal: PS028255.D\ECD1A.ch



#6 MCPP

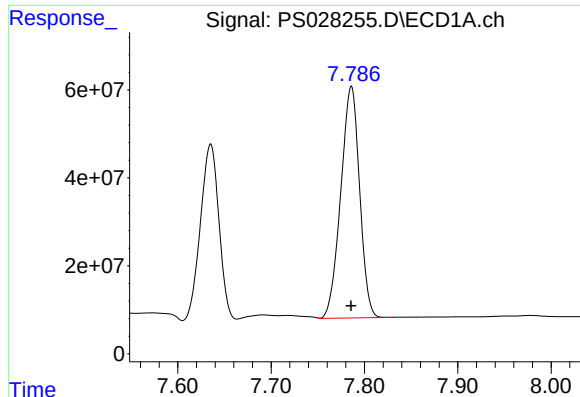
R.T.: 7.635 min  
Delta R.T.: 0.000 min  
Response: 549886235  
Conc: 70.50 ug/ml

Time Response\_ Signal: PS028255.D\ECD2B.ch



#6 MCPP

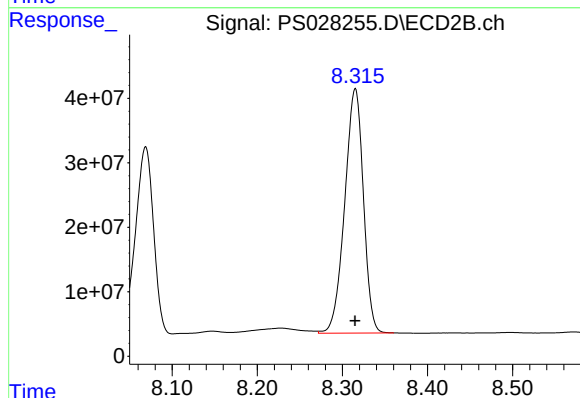
R.T.: 8.069 min  
Delta R.T.: 0.000 min  
Response: 433130594  
Conc: 70.50 ug/ml



#7 MCPA

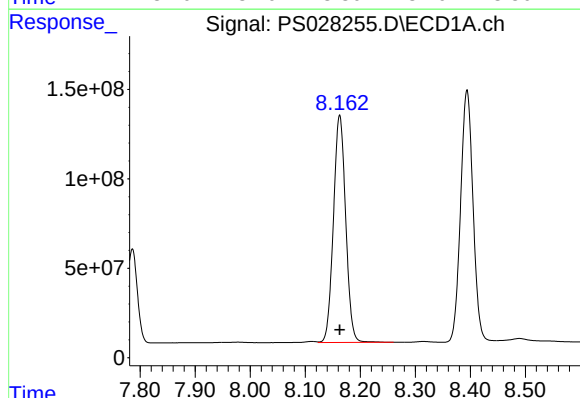
R.T.: 7.786 min  
Delta R.T.: 0.000 min  
Response: 736853891  
Conc: 69.75 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



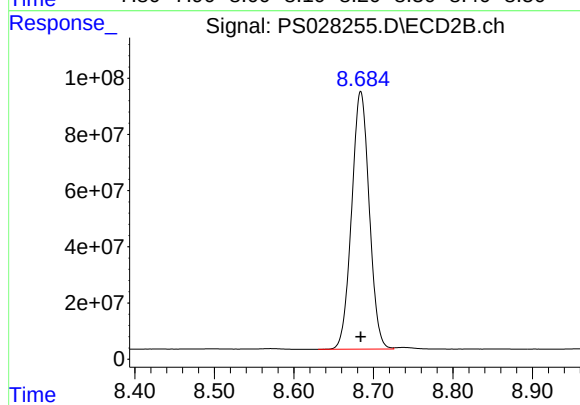
#7 MCPA

R.T.: 8.315 min  
Delta R.T.: 0.000 min  
Response: 577628626  
Conc: 69.75 ug/ml



#8 DICHLORPROP

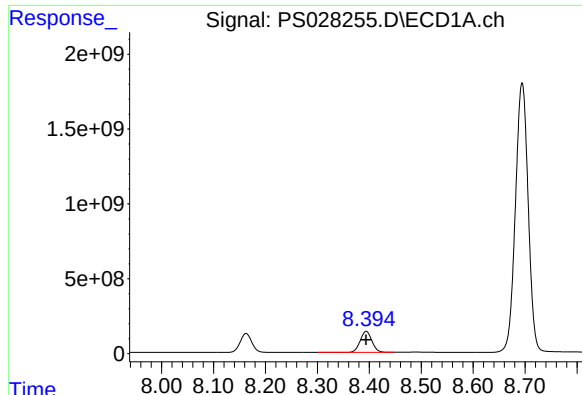
R.T.: 8.163 min  
Delta R.T.: 0.000 min  
Response: 1962831456  
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 1411628902  
Conc: 705.00 ng/ml

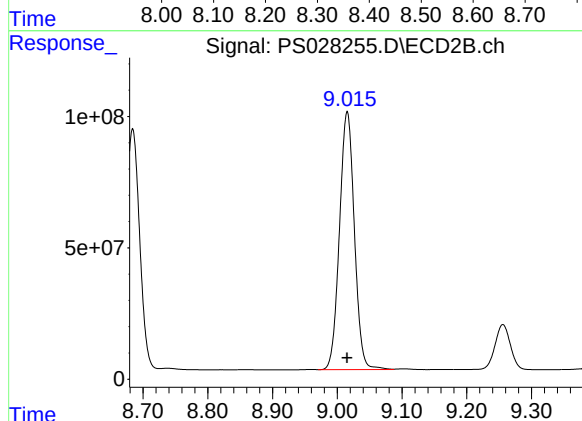




#9 2,4-D

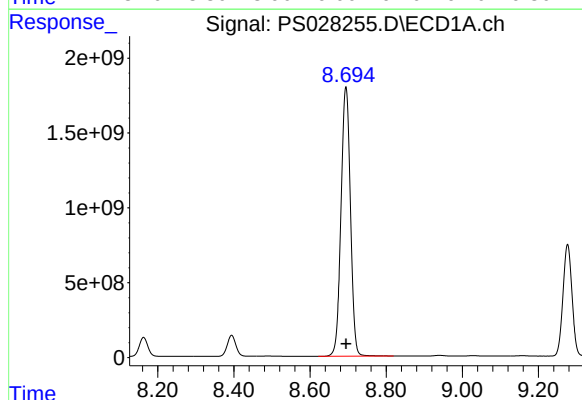
R.T.: 8.394 min  
Delta R.T.: 0.000 min  
Response: 2202919451  
Conc: 705.00 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



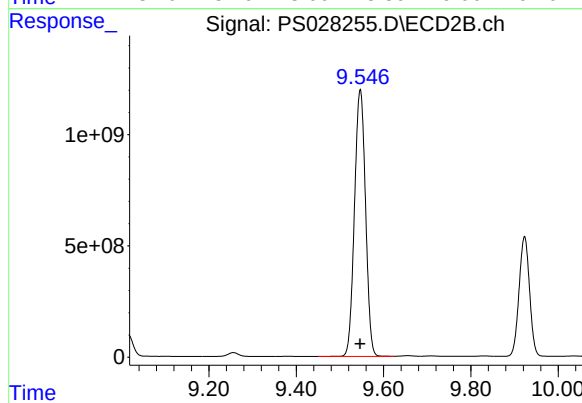
#9 2,4-D

R.T.: 9.015 min  
Delta R.T.: 0.000 min  
Response: 1569456146  
Conc: 705.00 ng/ml



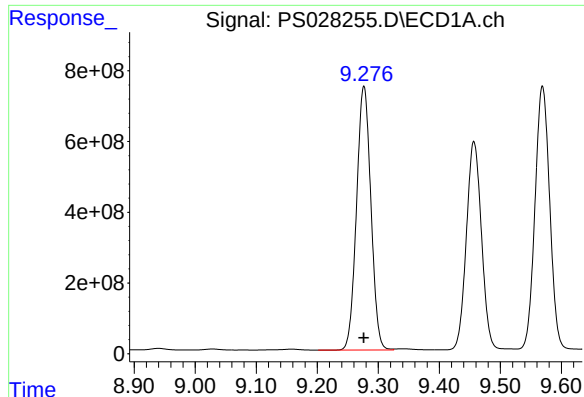
#10 Pentachlorophenol

R.T.: 8.694 min  
Delta R.T.: 0.000 min  
Response: 30716456668  
Conc: 712.50 ng/ml



#10 Pentachlorophenol

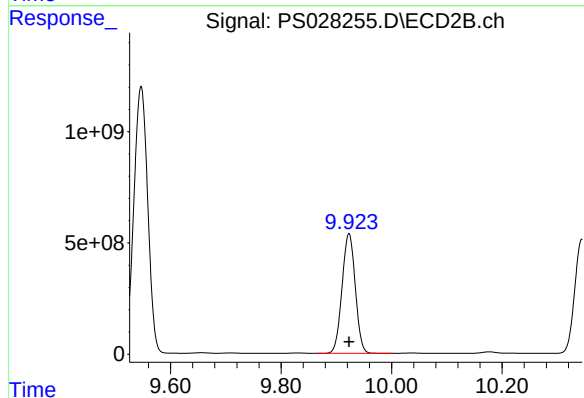
R.T.: 9.547 min  
Delta R.T.: 0.000 min  
Response: 21052569097  
Conc: 712.50 ng/ml



#11 2,4,5-TP (SILVEX)

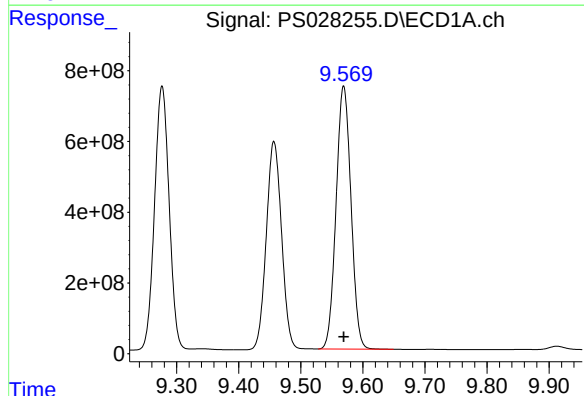
R.T.: 9.277 min  
Delta R.T.: 0.000 min  
Response: 12163393791  
Conc: 712.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



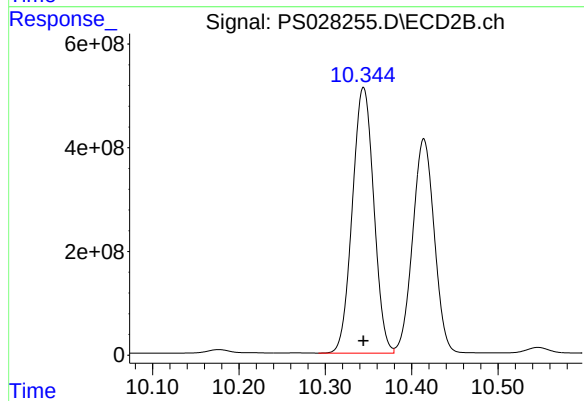
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min  
Delta R.T.: 0.000 min  
Response: 8962387585  
Conc: 712.50 ng/ml



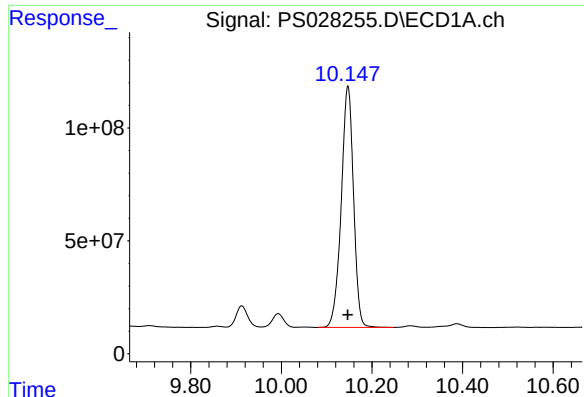
#12 2,4,5-T

R.T.: 9.569 min  
Delta R.T.: 0.000 min  
Response: 12395763724  
Conc: 712.50 ng/ml



#12 2,4,5-T

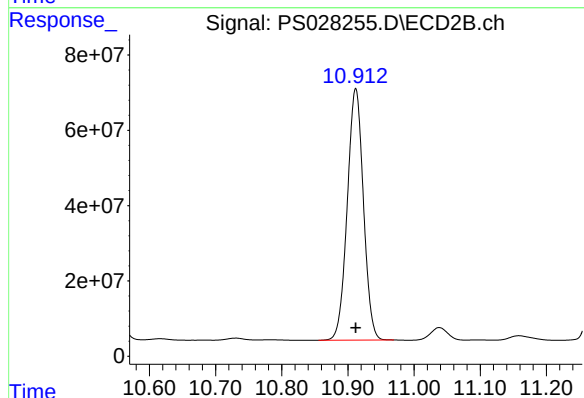
R.T.: 10.344 min  
Delta R.T.: 0.000 min  
Response: 8839821424  
Conc: 712.50 ng/ml



#13 2,4-DB

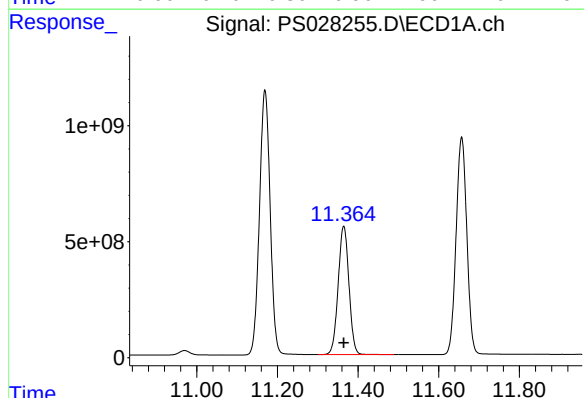
R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 2012407742  
Conc: 712.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



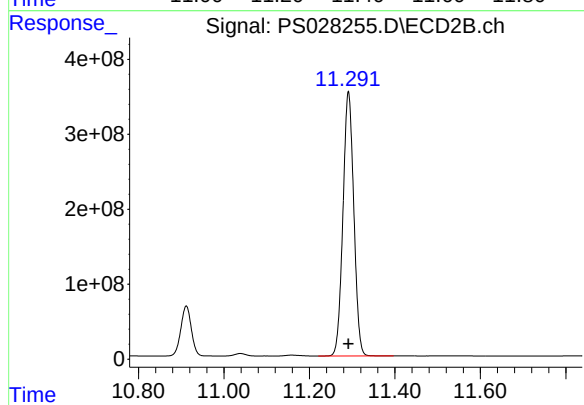
#13 2,4-DB

R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 1132940966  
Conc: 712.50 ng/ml



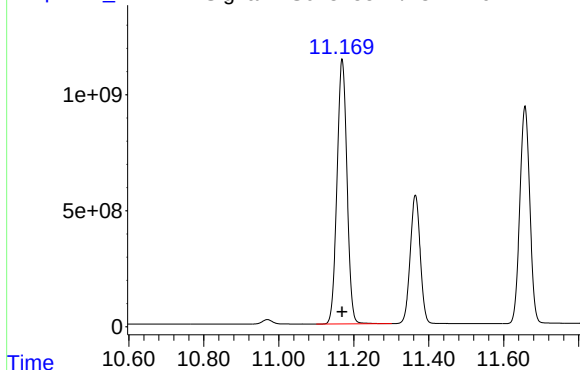
#14 DINOSEB

R.T.: 11.364 min  
Delta R.T.: 0.000 min  
Response: 10261043129  
Conc: 705.00 ng/ml



#14 DINOSEB

R.T.: 11.291 min  
Delta R.T.: 0.000 min  
Response: 6204522057  
Conc: 705.00 ng/ml



R.T.: 11.169 min  
Delta R.T.: 0.000 min  
Response: 21022416348  
Conc: 712.50 ng/ml

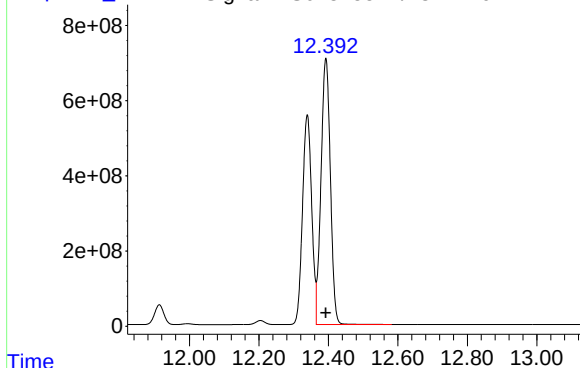
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750

Time

Response\_

Signal: PS028255.D\ECD2B.ch

#15 Picloram



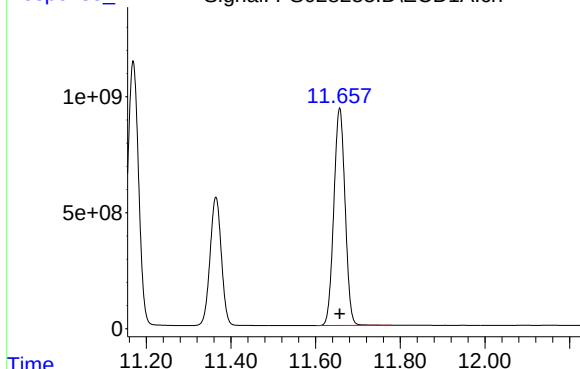
R.T.: 12.393 min  
Delta R.T.: 0.000 min  
Response: 13241974336  
Conc: 712.50 ng/ml

Time

Response\_

Signal: PS028255.D\ECD1A.ch

#16 DCPA



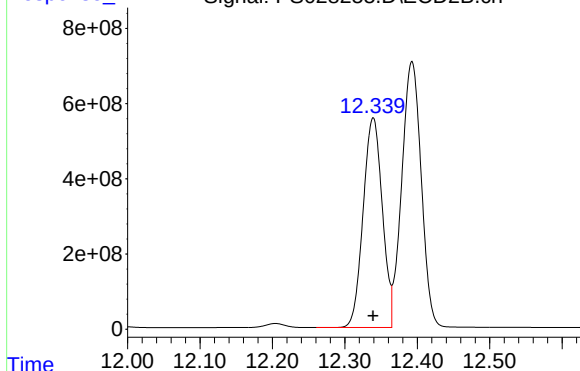
R.T.: 11.657 min  
Delta R.T.: 0.000 min  
Response: 17291887789  
Conc: 720.00 ng/ml

Time

Response\_

Signal: PS028255.D\ECD2B.ch

#16 DCPA



R.T.: 12.339 min  
Delta R.T.: 0.000 min  
Response: 10255558371  
Conc: 720.00 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028256.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Nov 2024 11:00  
 Operator : AR\AJ  
 Sample : HSTDICC1000  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC1000

### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
 Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 06 11:35:07 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:34:58 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |              |        |        |           |           |          |         |
| System Monitoring Compounds |              |        |        |           |           |          |         |
| 4) S                        | 2,4-DCAA     | 7.262  | 7.765  | 2432.1E6  | 1690.3E6  | 975.961m | 982.122 |
| Target Compounds            |              |        |        |           |           |          |         |
| 1) T                        | Dalapon      | 2.654  | 2.711  | 3271.7E6  | 2616.2E6  | 924.484  | 897.149 |
| 2) T                        | 3,5-DICHL... | 6.430  | 6.716  | 3320.2E6  | 2292.0E6  | 897.791  | 913.929 |
| 3) T                        | 4-Nitroph... | 7.061  | 7.291  | 1451.5E6  | 1008.8E6  | 893.624  | 894.555 |
| 5) T                        | DICAMBA      | 7.451  | 7.966  | 10305.4E6 | 7545.2E6  | 920.113  | 935.276 |
| 6) T                        | MCPD         | 7.637  | 8.070  | 737.2E6   | 575.3E6   | 95.823   | 94.645  |
| 7) T                        | MCPA         | 7.788  | 8.317  | 972.9E6   | 759.1E6   | 93.073   | 92.311  |
| 8) T                        | DICHLORPROP  | 8.162  | 8.684  | 2522.2E6  | 1845.8E6  | 909.363  | 927.122 |
| 9) T                        | 2,4-D        | 8.393  | 9.015  | 2832.8E6  | 2045.3E6  | 910.203  | 924.732 |
| 10) T                       | Pentachlo... | 8.694  | 9.546  | 38630.9E6 | 26793.0E6 | 905.074  | 914.400 |
| 11) T                       | 2,4,5-TP ... | 9.276  | 9.922  | 15615.7E6 | 11582.4E6 | 920.331  | 929.499 |
| 12) T                       | 2,4,5-T      | 9.569  | 10.344 | 15926.5E6 | 11412.0E6 | 921.290  | 928.908 |
| 13) T                       | 2,4-DB       | 10.147 | 10.912 | 2626.1E6  | 1496.6E6  | 936.143  | 948.946 |
| 14) T                       | DINOSEB      | 11.365 | 11.292 | 13278.9E6 | 8073.2E6  | 920.952  | 925.804 |
| 15) T                       | Picloram     | 11.169 | 12.392 | 27284.2E6 | 17278.1E6 | 936.433  | 944.096 |
| 16) T                       | DCPA         | 11.657 | 12.339 | 22197.4E6 | 13216.4E6 | 932.863  | 937.639 |
| -----                       |              |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028256.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 11:00  
Operator : AR\AJ  
Sample : HSTDICC1000  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC1000

## Manual Integrations

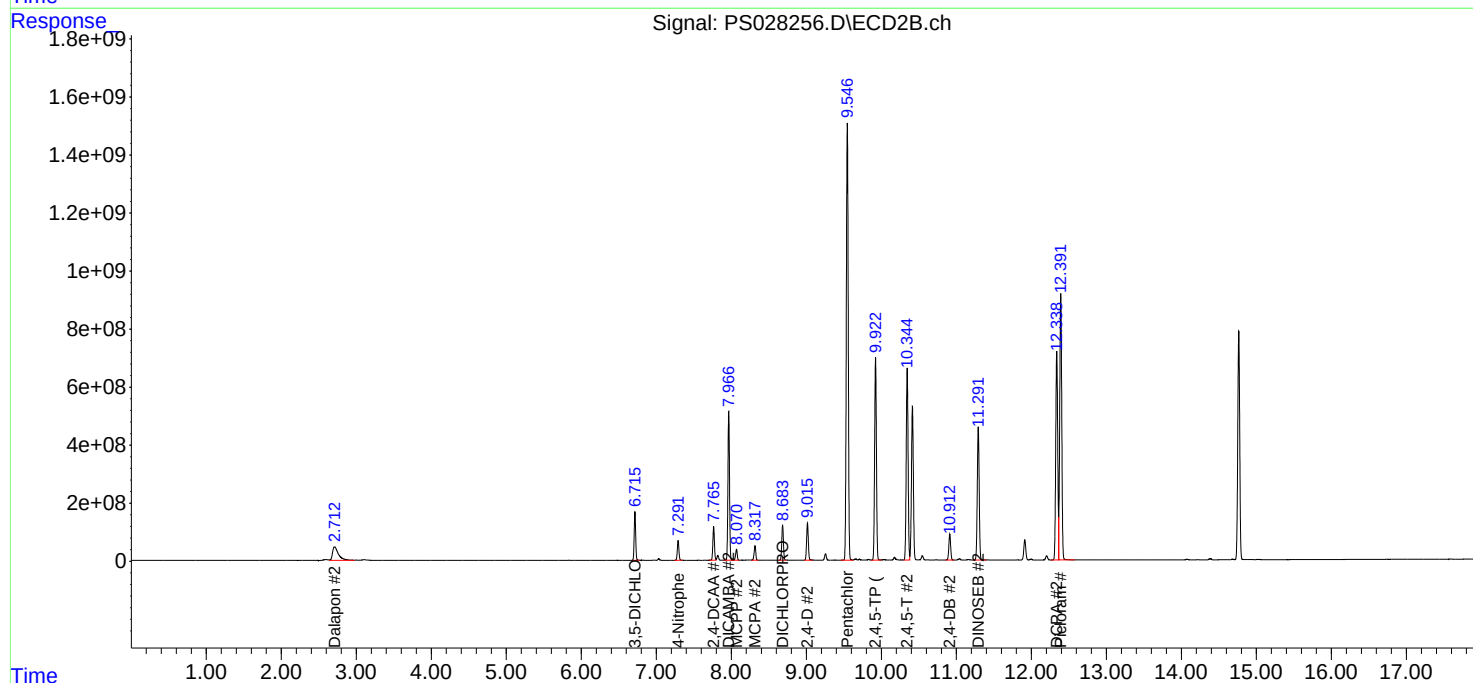
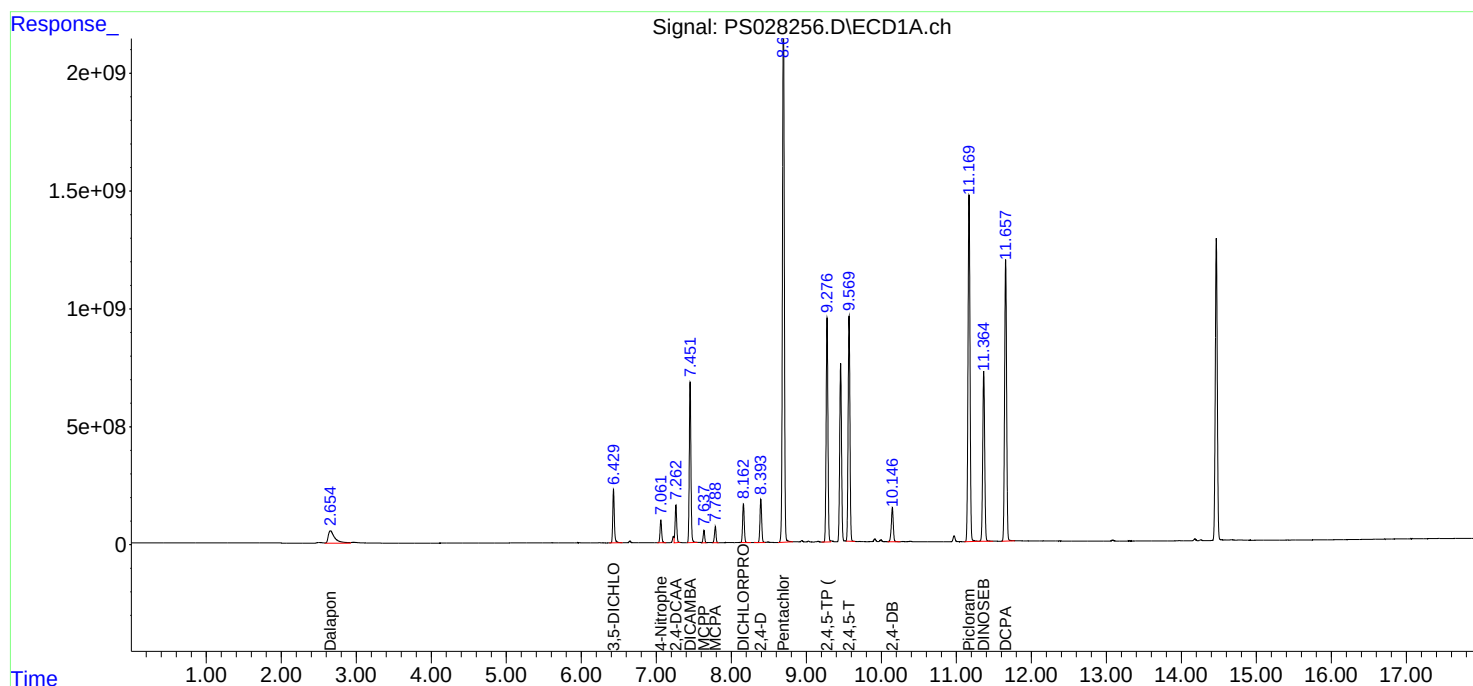
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:35:07 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:34:58 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028256.D\ECD1A.ch

#1 Dalapon

R.T.: 2.654 min  
Delta R.T.: 0.000 min  
Response: 3271696205  
Conc: 924.48 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#1 Dalapon

R.T.: 2.711 min  
Delta R.T.: 0.000 min  
Response: 2616195166  
Conc: 897.15 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time

Response\_ Signal: PS028256.D\ECD1A.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 3320196395  
Conc: 897.79 ng/ml

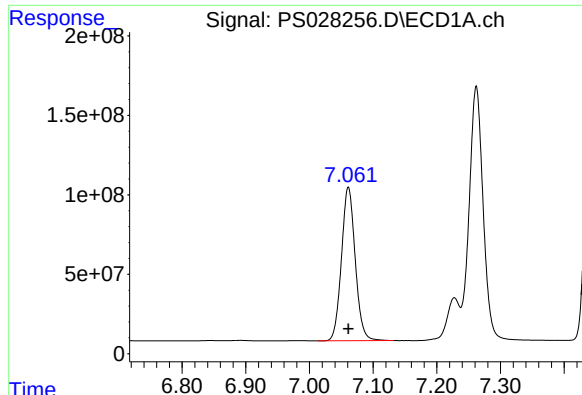
Time

Response\_ Signal: PS028256.D\ECD2B.ch

#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 2292021581  
Conc: 913.93 ng/ml

Time



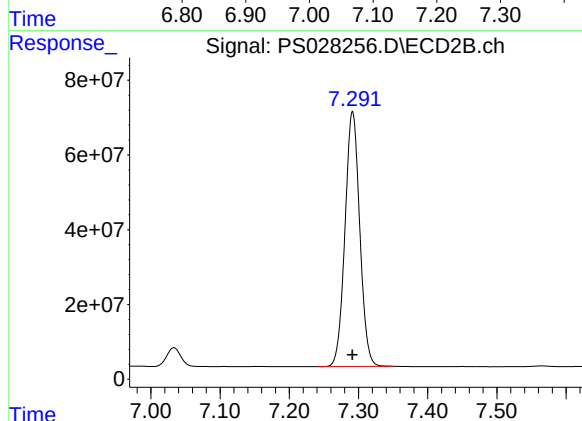
#3 4-Nitrophenol

R.T.: 7.061 min  
Delta R.T.: 0.000 min  
Response: 1451485119  
Conc: 893.62 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

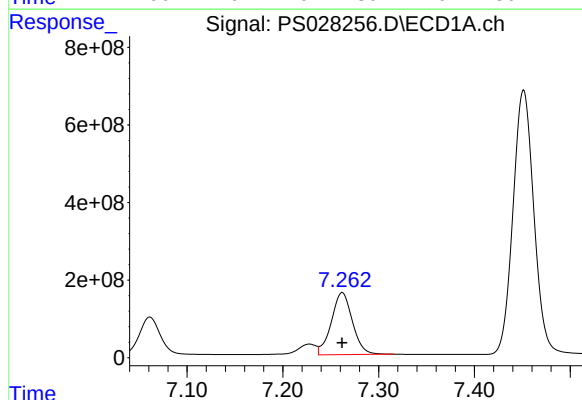
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



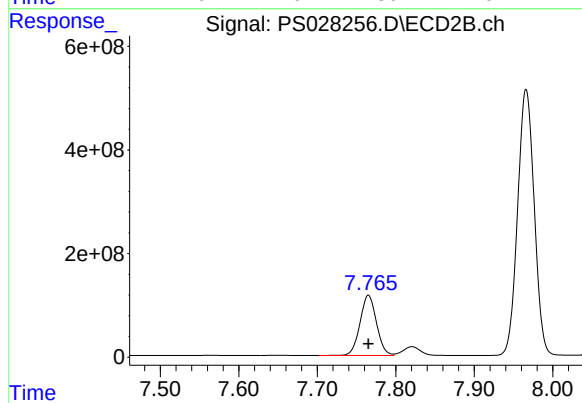
#3 4-Nitrophenol

R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 1008760627  
Conc: 894.56 ng/ml



#4 2,4-DCAA

R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 2432093967  
Conc: 975.96 ng/ml m

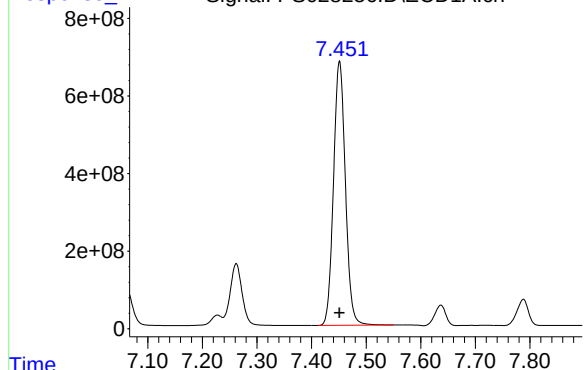


#4 2,4-DCAA

R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 1690270766  
Conc: 982.12 ng/ml



Response\_ Signal: PS028256.D\ECD1A.ch



#5 DICAMBA

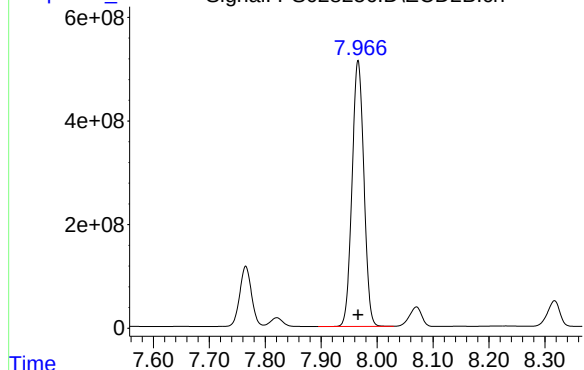
R.T.: 7.451 min  
Delta R.T.: 0.000 min  
Response: 10305445870  
Conc: 920.11 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

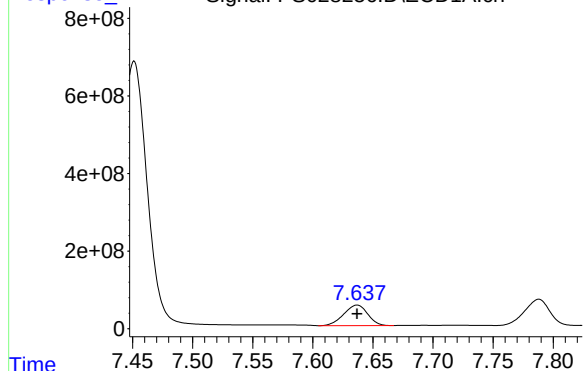
Response\_ Signal: PS028256.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.966 min  
Delta R.T.: 0.000 min  
Response: 7545226353  
Conc: 935.28 ng/ml

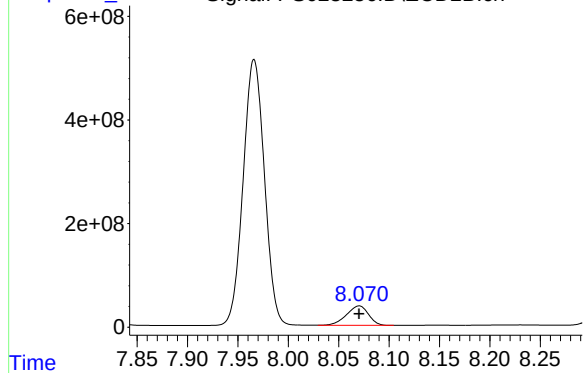
Response\_ Signal: PS028256.D\ECD1A.ch



#6 MCPP

R.T.: 7.637 min  
Delta R.T.: 0.000 min  
Response: 737181829  
Conc: 95.82 ug/ml

Response\_ Signal: PS028256.D\ECD2B.ch

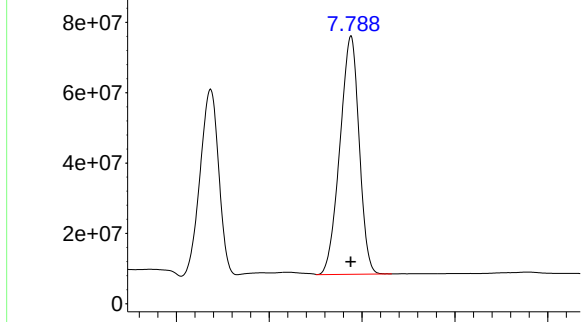


#6 MCPP

R.T.: 8.070 min  
Delta R.T.: 0.000 min  
Response: 575332150  
Conc: 94.65 ug/ml

Response\_ Signal: PS028256.D\ECD1A.ch

#7 MCPA



R.T.: 7.788 min  
Delta R.T.: 0.000 min  
Response: 972913862  
Conc: 93.07 ug/ml

Instrument :

ECD\_S

ClientSampleId :

HSTDICC1000

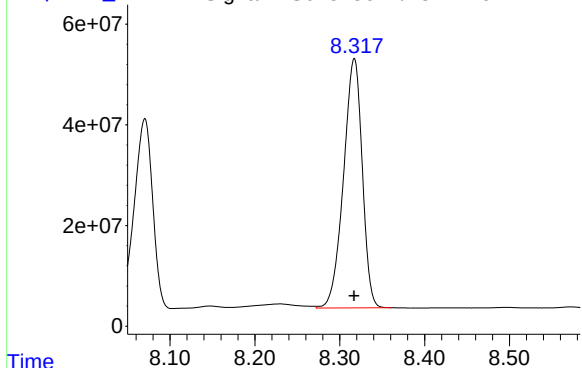
Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028256.D\ECD2B.ch

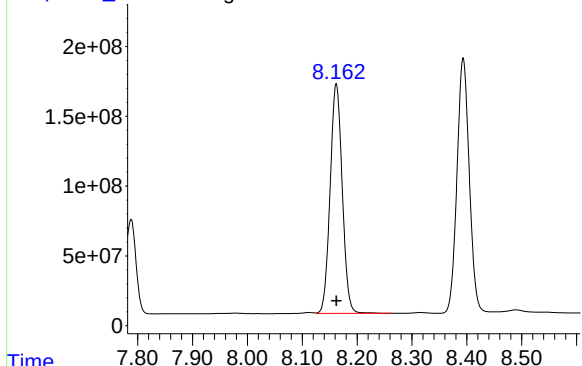
#7 MCPA



R.T.: 8.317 min  
Delta R.T.: 0.000 min  
Response: 759084985  
Conc: 92.31 ug/ml

Time Response\_ Signal: PS028256.D\ECD1A.ch

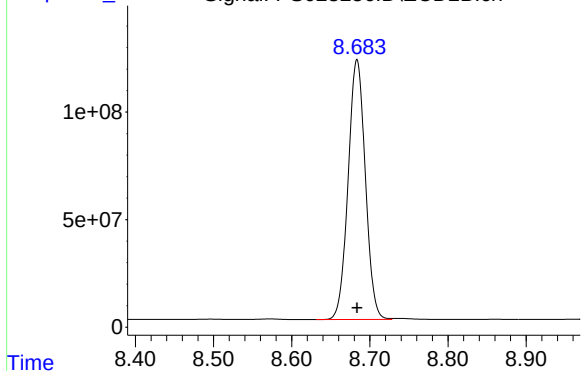
#8 DICHLORPROP



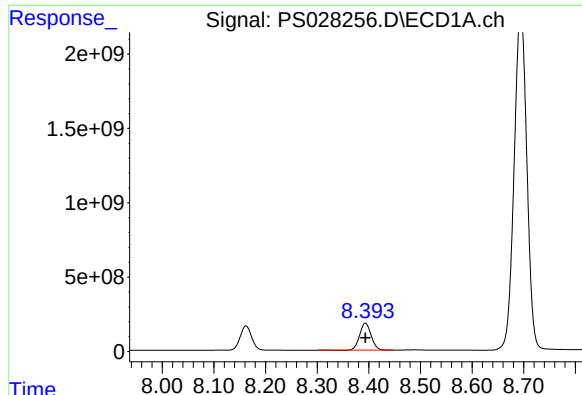
R.T.: 8.162 min  
Delta R.T.: 0.000 min  
Response: 2522197571  
Conc: 909.36 ng/ml

Time Response\_ Signal: PS028256.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 1845813291  
Conc: 927.12 ng/ml



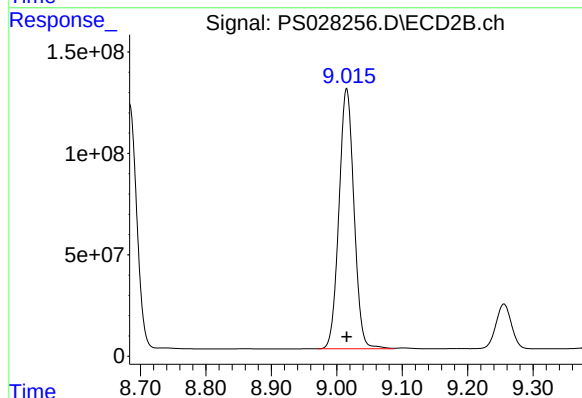
#9 2,4-D

R.T.: 8.393 min  
Delta R.T.: 0.000 min  
Response: 2832756845  
Conc: 910.20 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

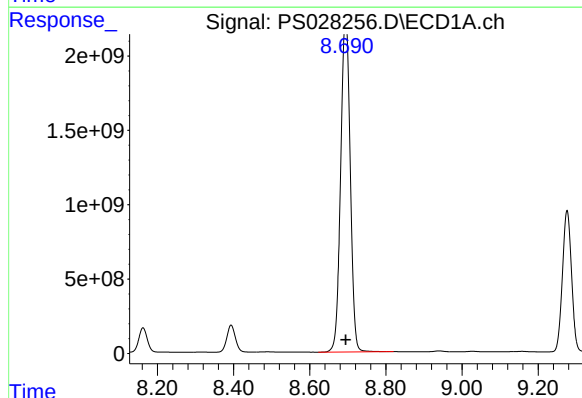
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



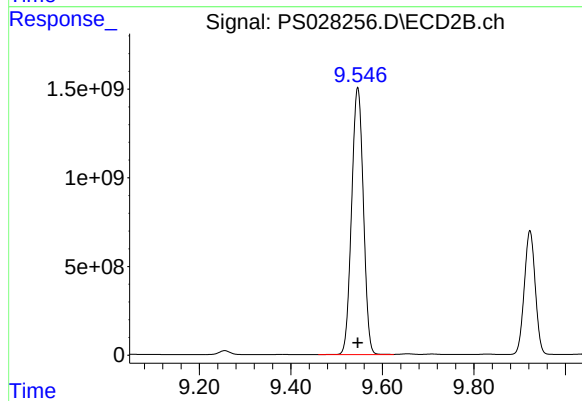
#9 2,4-D

R.T.: 9.015 min  
Delta R.T.: 0.000 min  
Response: 2045272116  
Conc: 924.73 ng/ml



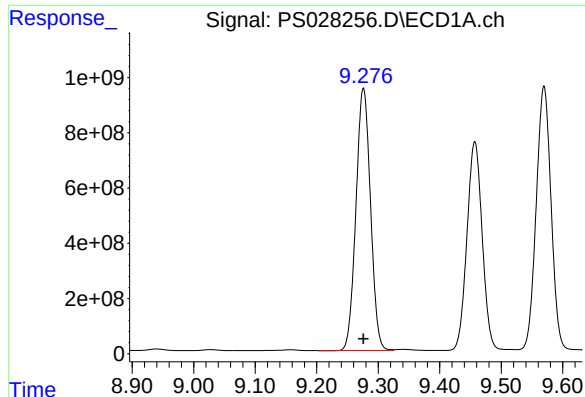
#10 Pentachlorophenol

R.T.: 8.694 min  
Delta R.T.: 0.000 min  
Response: 38630863608  
Conc: 905.07 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min  
Delta R.T.: 0.000 min  
Response: 26793014437  
Conc: 914.40 ng/ml



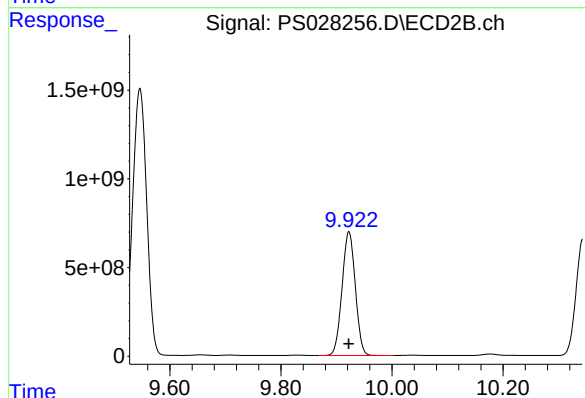
#11 2,4,5-TP (SILVEX)

R.T.: 9.276 min  
Delta R.T.: 0.000 min  
Response: 15615673102  
Conc: 920.33 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

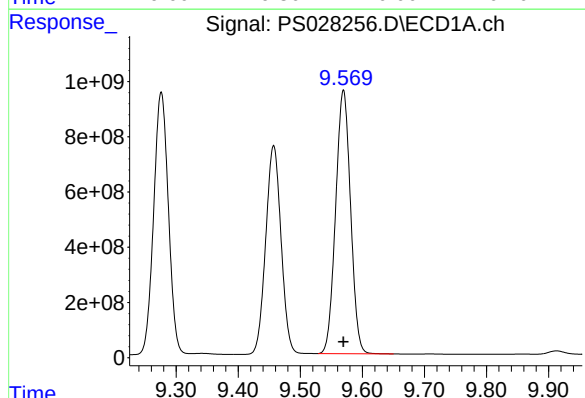
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



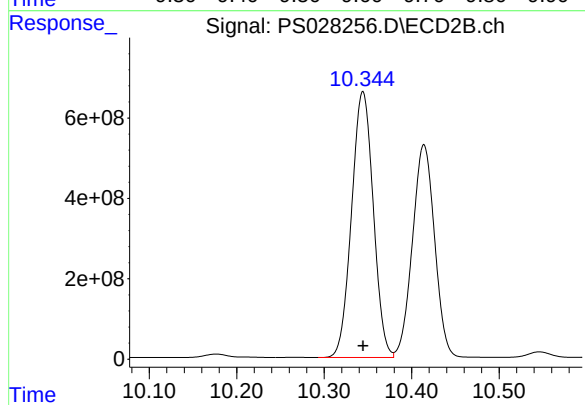
#11 2,4,5-TP (SILVEX)

R.T.: 9.922 min  
Delta R.T.: 0.000 min  
Response: 11582440713  
Conc: 929.50 ng/ml



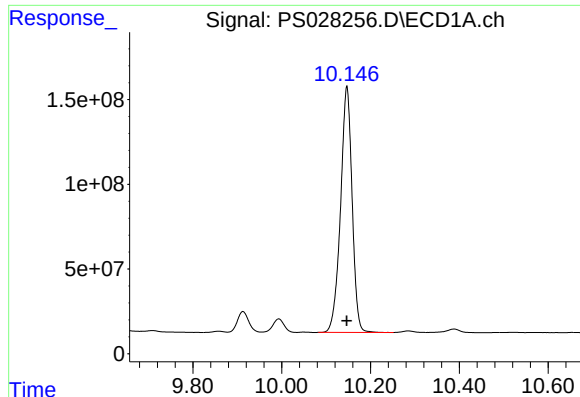
#12 2,4,5-T

R.T.: 9.569 min  
Delta R.T.: 0.000 min  
Response: 15926470083  
Conc: 921.29 ng/ml



#12 2,4,5-T

R.T.: 10.344 min  
Delta R.T.: 0.000 min  
Response: 11411956993  
Conc: 928.91 ng/ml



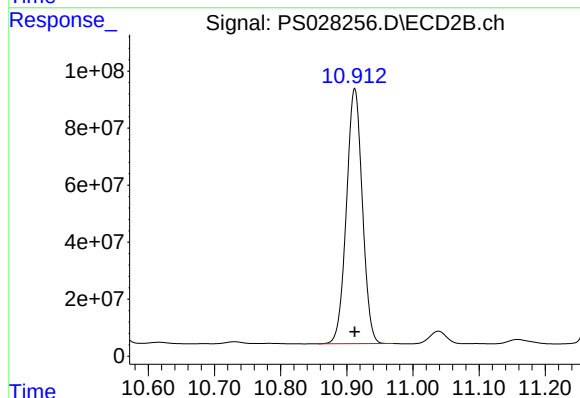
#13 2,4-DB

R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 2626136984  
Conc: 936.14 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

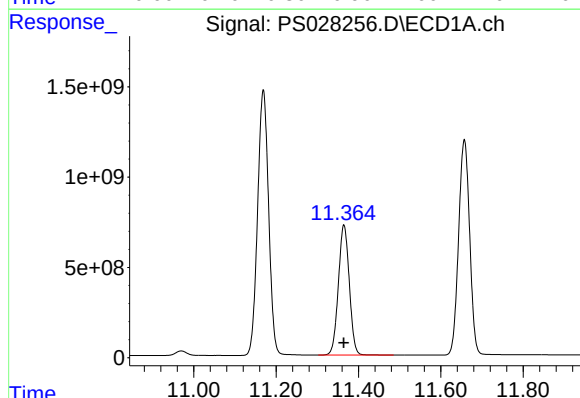
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



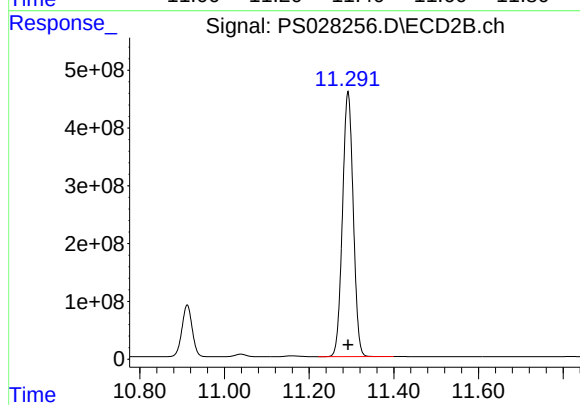
#13 2,4-DB

R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 1496588795  
Conc: 948.95 ng/ml



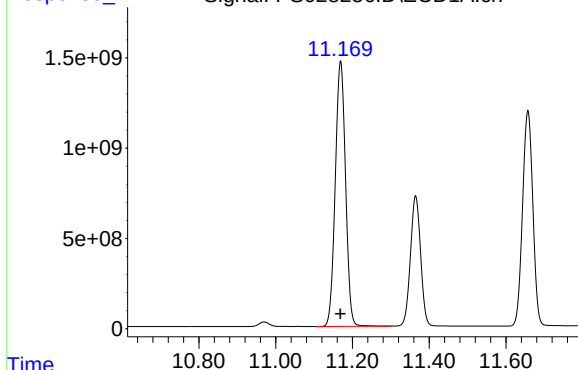
#14 DINOSEB

R.T.: 11.365 min  
Delta R.T.: 0.000 min  
Response: 13278908779  
Conc: 920.95 ng/ml



#14 DINOSEB

R.T.: 11.292 min  
Delta R.T.: 0.000 min  
Response: 8073223240  
Conc: 925.80 ng/ml



R.T.: 11.169 min  
Delta R.T.: 0.000 min  
Response: 27284170333  
Conc: 936.43 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

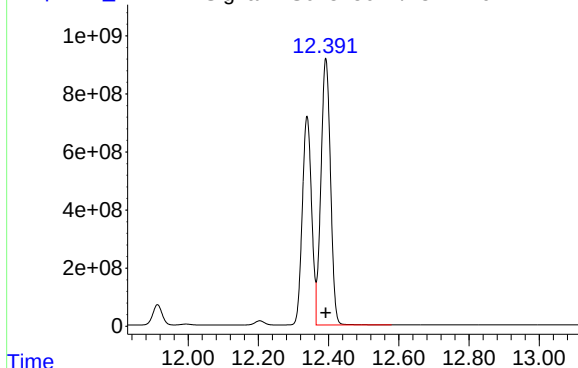
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028256.D\ECD2B.ch

#15 Picloram



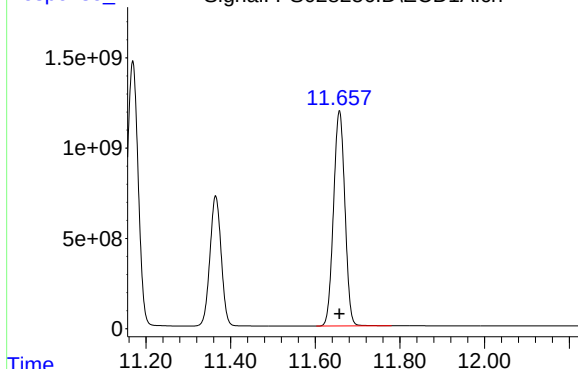
R.T.: 12.392 min  
Delta R.T.: 0.000 min  
Response: 17278066085  
Conc: 944.10 ng/ml

Time

Response\_

Signal: PS028256.D\ECD1A.ch

#16 DCPA



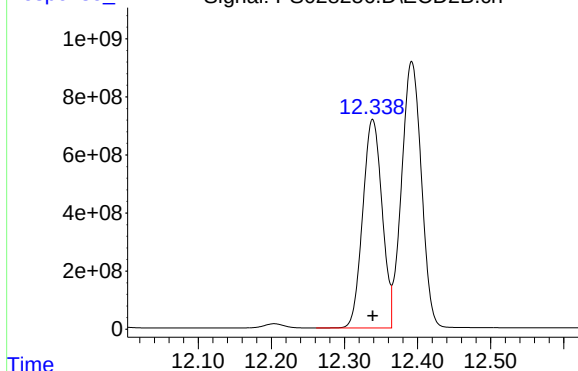
R.T.: 11.657 min  
Delta R.T.: 0.000 min  
Response: 22197383787  
Conc: 932.86 ng/ml

Time

Response\_

Signal: PS028256.D\ECD2B.ch

#16 DCPA



R.T.: 12.339 min  
Delta R.T.: 0.000 min  
Response: 13216402284  
Conc: 937.64 ng/ml

Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028257.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 11:24  
Operator : AR\AJ  
Sample : HSTDICC1500  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:47:23 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:47:11 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml    |
|-----------------------------|--------|--------|-----------|-----------|----------|----------|
| -----                       |        |        |           |           |          |          |
| System Monitoring Compounds |        |        |           |           |          |          |
| 4) S 2,4-DCAA               | 7.263  | 7.765  | 3578.7E6  | 2534.7E6  | 1397.159 | 1455.253 |
| Target Compounds            |        |        |           |           |          |          |
| 1) T Dalapon                | 2.654  | 2.710  | 4981.8E6  | 3925.2E6  | 1399.712 | 1333.953 |
| 2) T 3,5-DICHL...           | 6.430  | 6.716  | 4846.4E6  | 3424.5E6  | 1292.795 | 1353.090 |
| 3) T 4-Nitroph...           | 7.062  | 7.292  | 2179.8E6  | 1521.9E6  | 1323.022 | 1328.039 |
| 5) T DICAMBA                | 7.452  | 7.967  | 15172.0E6 | 11276.2E6 | 1351.202 | 1403.807 |
| 6) T MCPP                   | 7.641  | 8.074  | 1146.8E6  | 885.2E6   | 151.249  | 145.801  |
| 7) T MCPA                   | 7.793  | 8.322  | 1484.1E6  | 1151.7E6  | 142.554  | 138.113  |
| 8) T DICHLORPROP            | 8.163  | 8.684  | 3704.4E6  | 2778.9E6  | 1313.961 | 1383.038 |
| 9) T 2,4-D                  | 8.394  | 9.015  | 4151.5E6  | 3055.9E6  | 1315.396 | 1370.262 |
| 10) T Pentachlo...          | 8.696  | 9.546  | 47081.5E6 | 37948.1E6 | 1132.782 | 1301.165 |
| 11) T 2,4,5-TP ...          | 9.276  | 9.922  | 22578.3E6 | 16928.6E6 | 1326.135 | 1360.521 |
| 12) T 2,4,5-T               | 9.570  | 10.344 | 23100.9E6 | 16657.6E6 | 1332.578 | 1357.941 |
| 13) T 2,4-DB                | 10.147 | 10.912 | 3937.4E6  | 2277.8E6  | 1393.030 | 1437.213 |
| 14) T DINOSEB               | 11.364 | 11.291 | 19623.9E6 | 11997.1E6 | 1357.212 | 1375.556 |
| 15) T Picloram              | 11.169 | 12.392 | 40302.3E6 | 25436.4E6 | 1389.789 | 1410.611 |
| 16) T DCPA                  | 11.657 | 12.339 | 32077.6E6 | 19195.1E6 | 1350.108 | 1370.053 |
| -----                       |        |        |           |           |          |          |

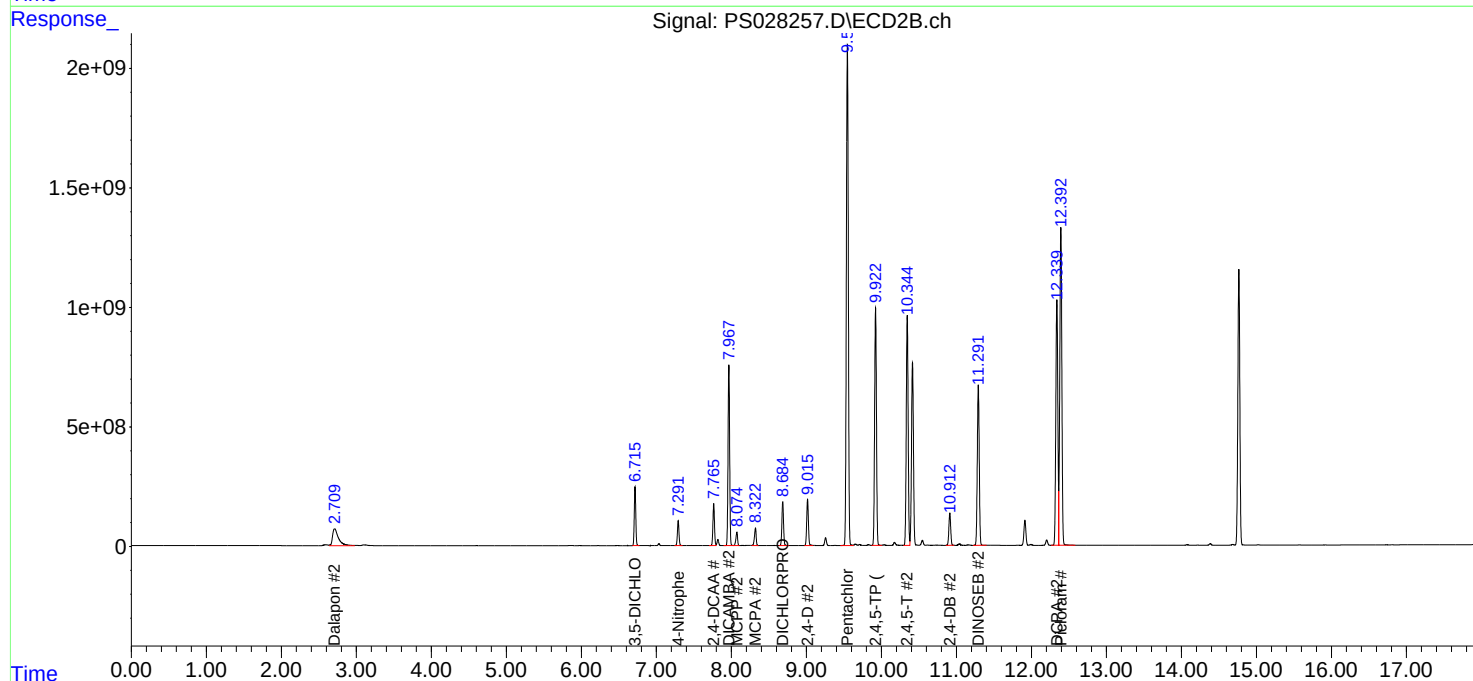
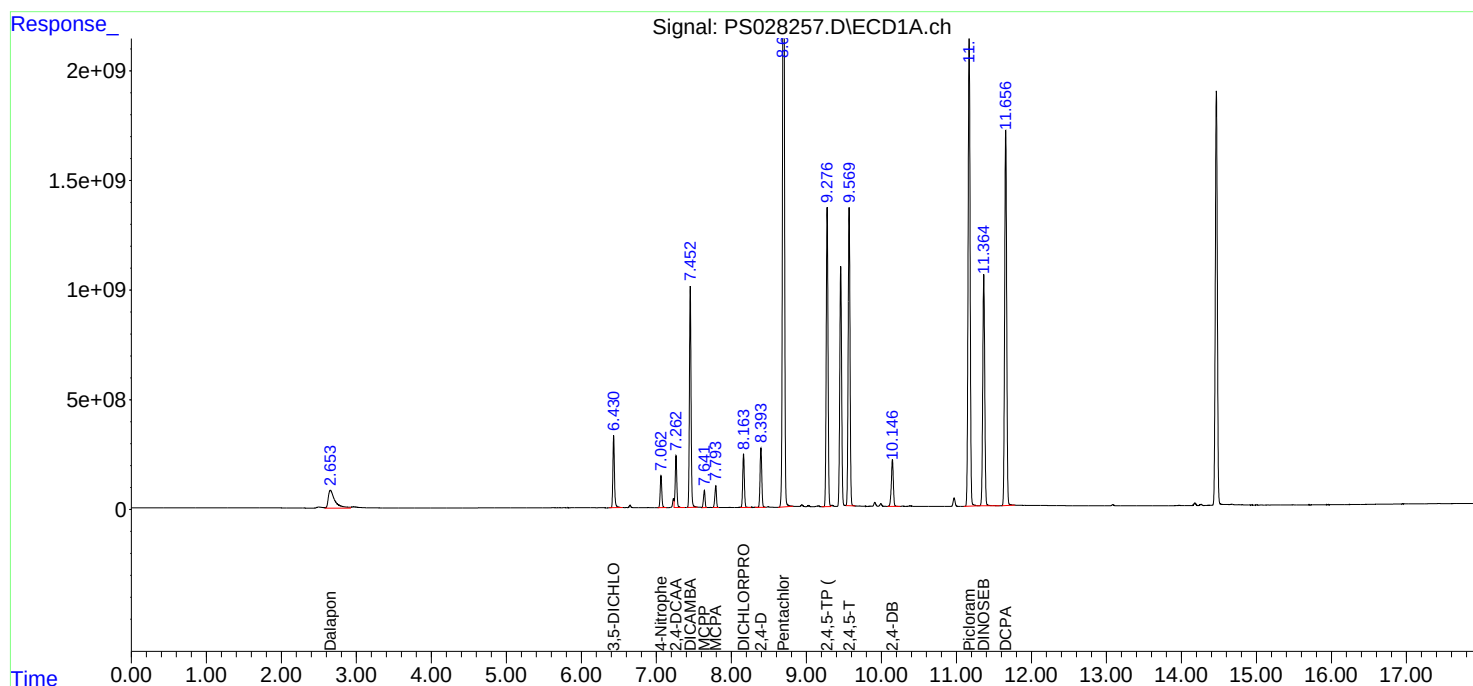
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028257.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 11:24  
Operator : AR\AJ  
Sample : HSTDICC1500  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

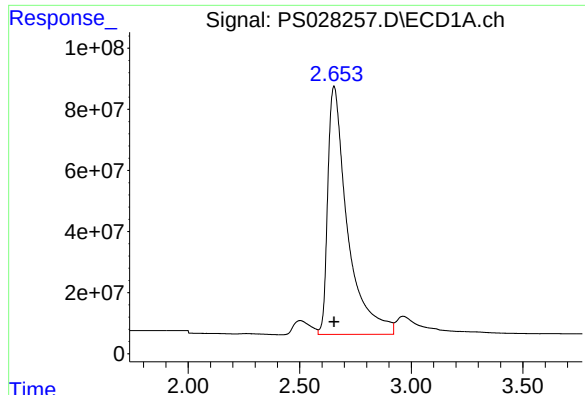
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:47:23 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:47:11 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



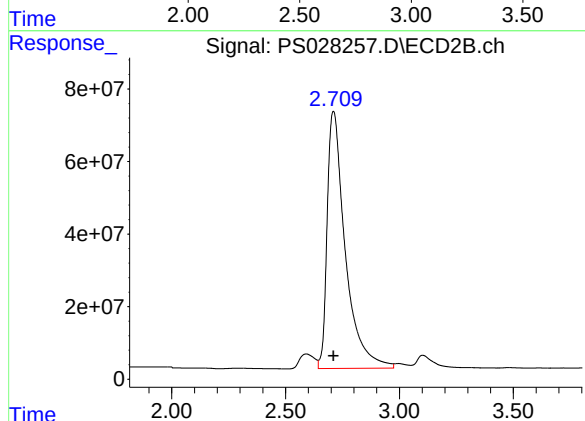




#1 Dalapon

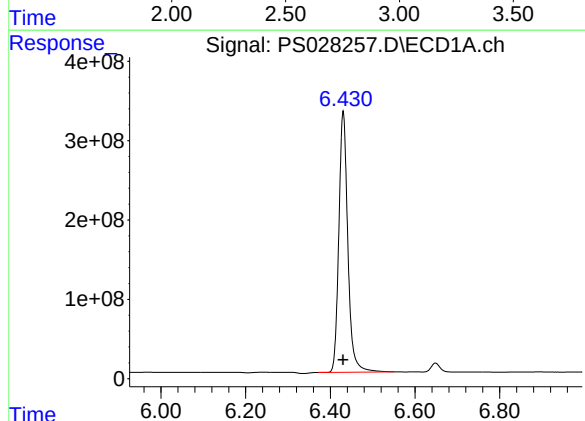
R.T.: 2.654 min  
Delta R.T.: 0.000 min  
Response: 4981844193  
Conc: 1399.71 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



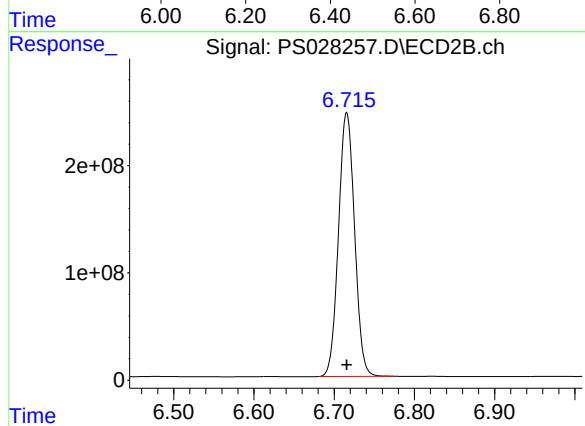
#1 Dalapon

R.T.: 2.710 min  
Delta R.T.: 0.000 min  
Response: 3925150144  
Conc: 1333.95 ng/ml



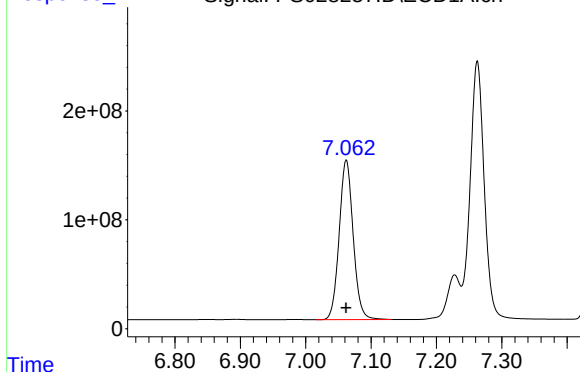
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 4846401815  
Conc: 1292.79 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 3424545098  
Conc: 1353.09 ng/ml



R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 2179767492  
Conc: 1323.02 ng/ml

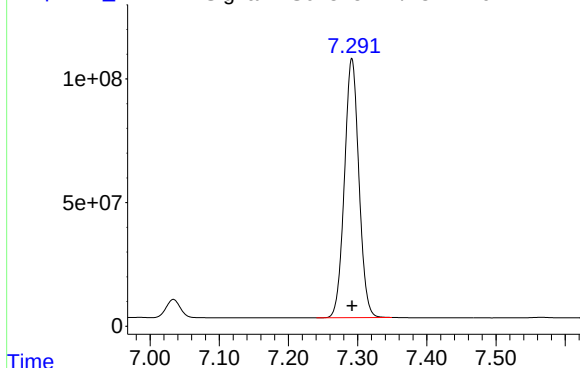
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500

Time

Response\_

Signal: PS028257.D\ECD2B.ch

#3 4-Nitrophenol



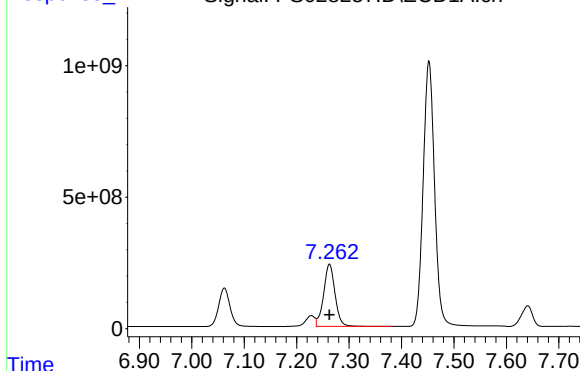
R.T.: 7.292 min  
Delta R.T.: 0.000 min  
Response: 1521860603  
Conc: 1328.04 ng/ml

Time

Response\_

Signal: PS028257.D\ECD1A.ch

#4 2,4-DCAA



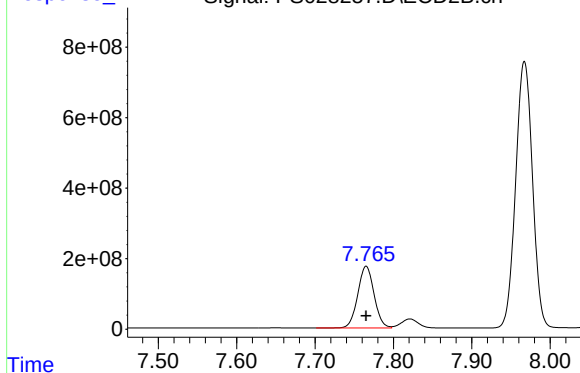
R.T.: 7.263 min  
Delta R.T.: 0.000 min  
Response: 3578703087  
Conc: 1397.16 ng/ml

Time

Response\_

Signal: PS028257.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 2534730333  
Conc: 1455.25 ng/ml

Time

Response\_ Signal: PS028257.D\ECD1A.ch

#5 DICAMBA

R.T.: 7.452 min  
Delta R.T.: 0.000 min  
Response: 15172024677  
Conc: 1351.20 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500

Time

Response\_ Signal: PS028257.D\ECD2B.ch

#5 DICAMBA

R.T.: 7.967 min  
Delta R.T.: 0.000 min  
Response: 11276170560  
Conc: 1403.81 ng/ml

Time

Response\_ Signal: PS028257.D\ECD1A.ch

#6 MCP

R.T.: 7.641 min  
Delta R.T.: 0.000 min  
Response: 1146849642  
Conc: 151.25 ug/ml

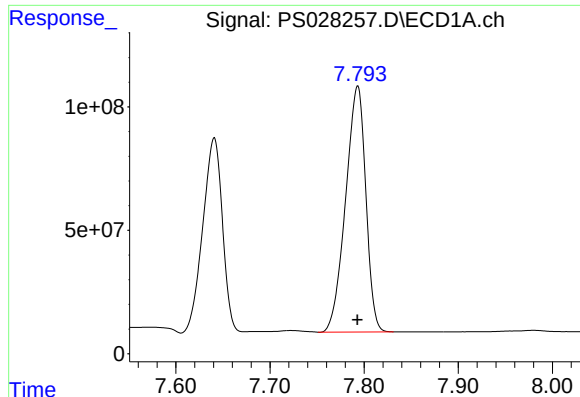
Time

Response\_ Signal: PS028257.D\ECD2B.ch

#6 MCP

R.T.: 8.074 min  
Delta R.T.: 0.000 min  
Response: 885195032  
Conc: 145.80 ug/ml

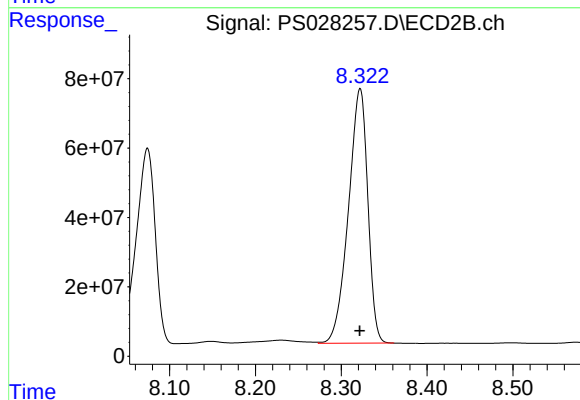
Time



#7 MCPA

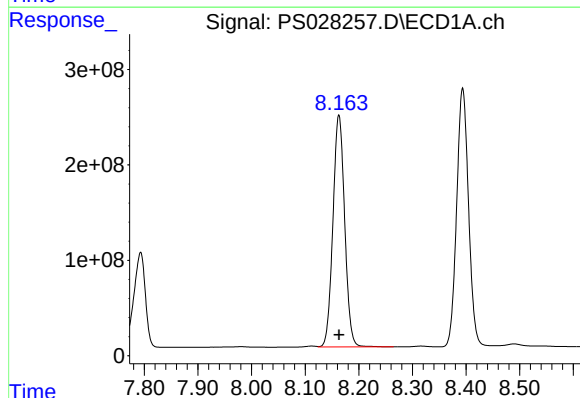
R.T.: 7.793 min  
Delta R.T.: 0.000 min  
Response: 1484149128  
Conc: 142.55 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



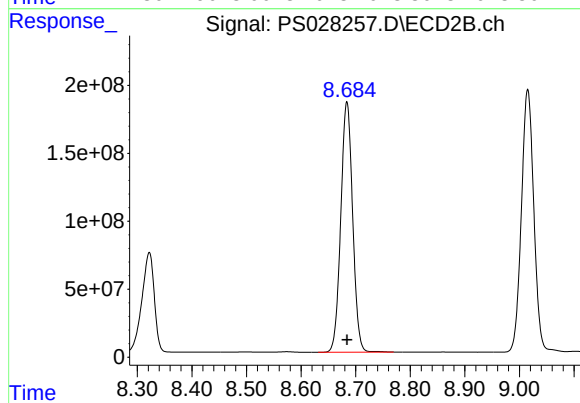
#7 MCPA

R.T.: 8.322 min  
Delta R.T.: 0.000 min  
Response: 1151673451  
Conc: 138.11 ug/ml



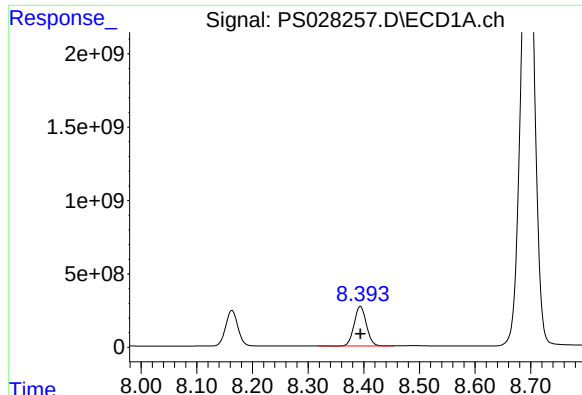
#8 DICHLORPROP

R.T.: 8.163 min  
Delta R.T.: 0.000 min  
Response: 3704424187  
Conc: 1313.96 ng/ml



#8 DICHLORPROP

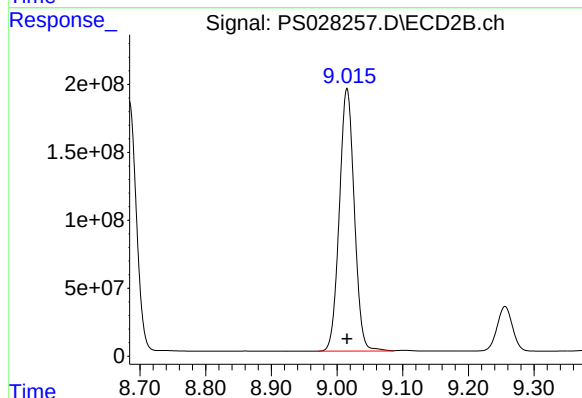
R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 2778858399  
Conc: 1383.04 ng/ml



#9 2,4-D

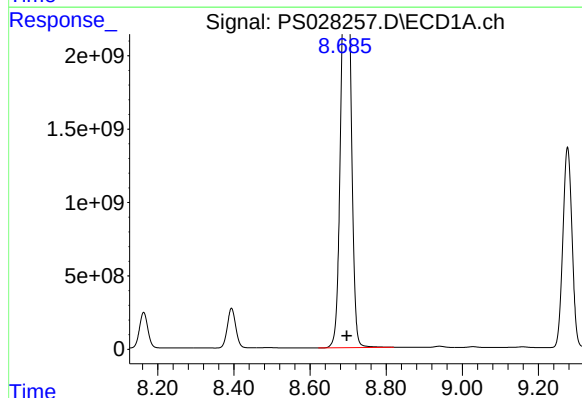
R.T.: 8.394 min  
Delta R.T.: 0.000 min  
Response: 4151533449  
Conc: 1315.40 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



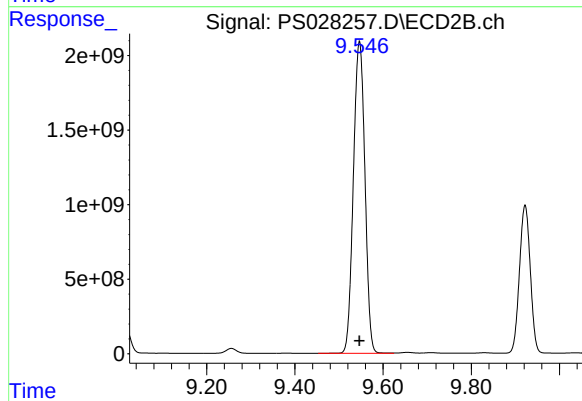
#9 2,4-D

R.T.: 9.015 min  
Delta R.T.: 0.000 min  
Response: 3055874957  
Conc: 1370.26 ng/ml



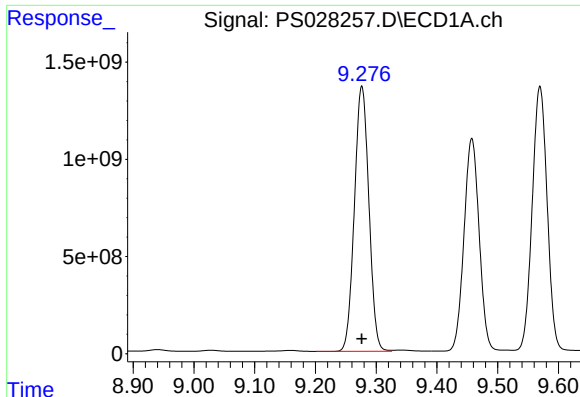
#10 Pentachlorophenol

R.T.: 8.696 min  
Delta R.T.: 0.000 min  
Response: 47081461391  
Conc: 1132.78 ng/ml



#10 Pentachlorophenol

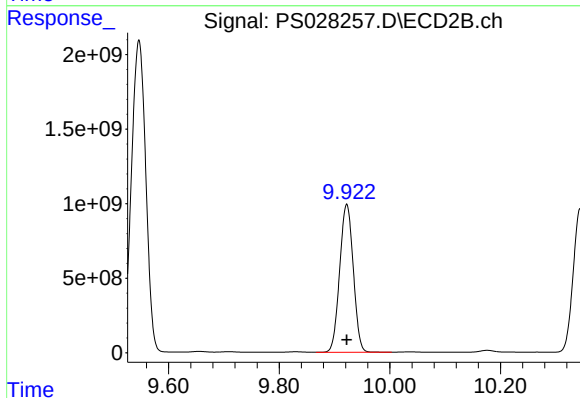
R.T.: 9.546 min  
Delta R.T.: 0.000 min  
Response: 37948055385  
Conc: 1301.16 ng/ml



#11 2,4,5-TP (SILVEX)

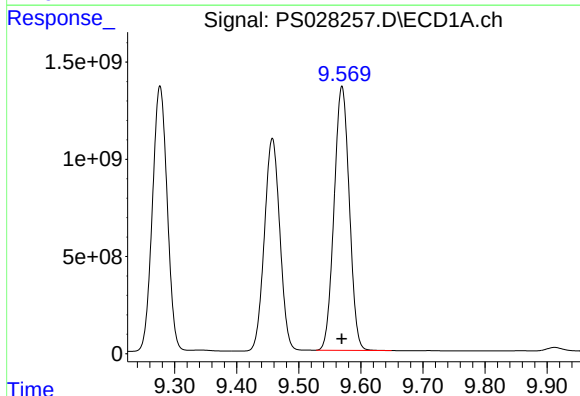
R.T.: 9.276 min  
Delta R.T.: 0.000 min  
Response: 22578281267  
Conc: 1326.13 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



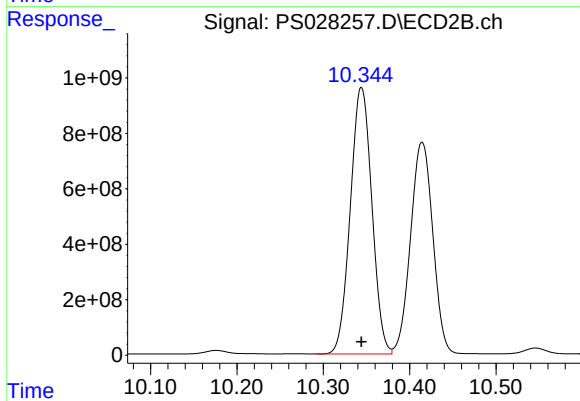
#11 2,4,5-TP (SILVEX)

R.T.: 9.922 min  
Delta R.T.: 0.000 min  
Response: 16928552391  
Conc: 1360.52 ng/ml



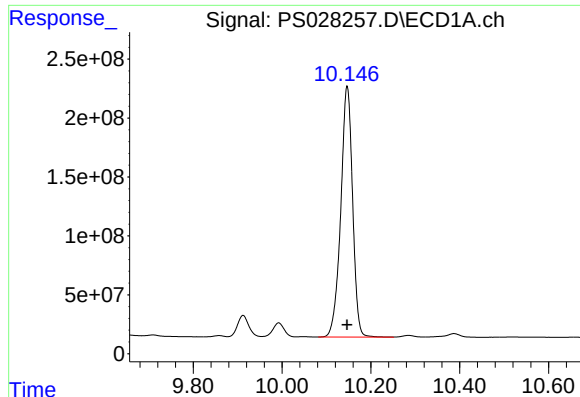
#12 2,4,5-T

R.T.: 9.570 min  
Delta R.T.: 0.000 min  
Response: 23100928914  
Conc: 1332.58 ng/ml



#12 2,4,5-T

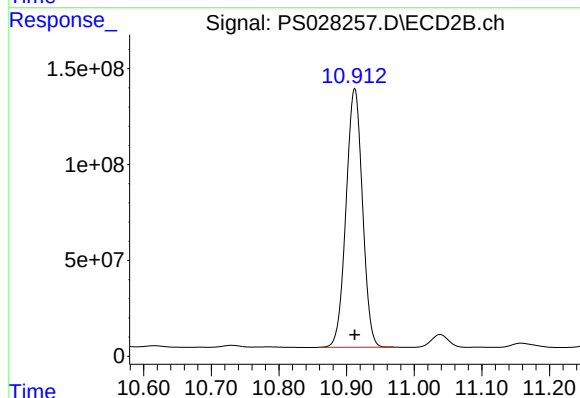
R.T.: 10.344 min  
Delta R.T.: 0.000 min  
Response: 16657568418  
Conc: 1357.94 ng/ml



#13 2,4-DB

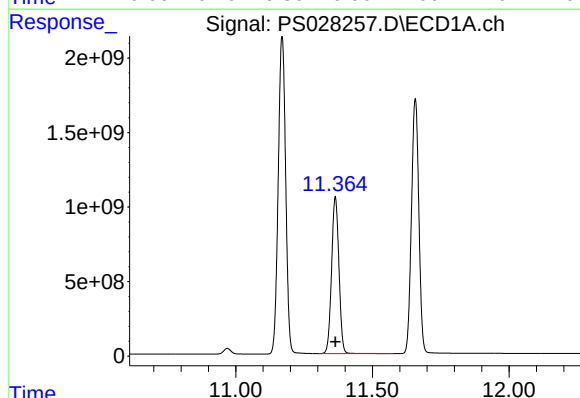
R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 3937445876  
Conc: 1393.03 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



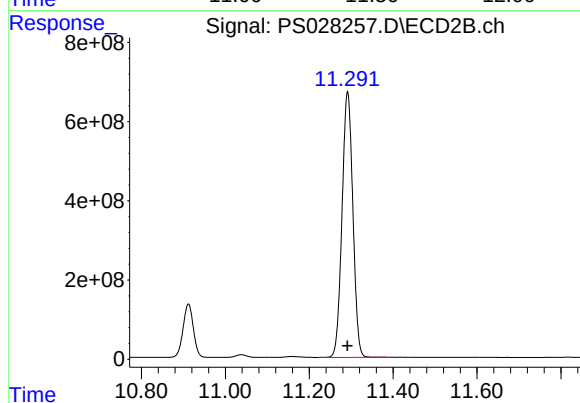
#13 2,4-DB

R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 2277836917  
Conc: 1437.21 ng/ml



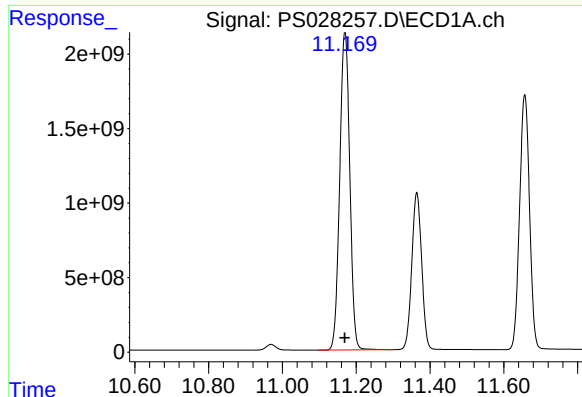
#14 DINOSEB

R.T.: 11.364 min  
Delta R.T.: 0.000 min  
Response: 19623893929  
Conc: 1357.21 ng/ml



#14 DINOSEB

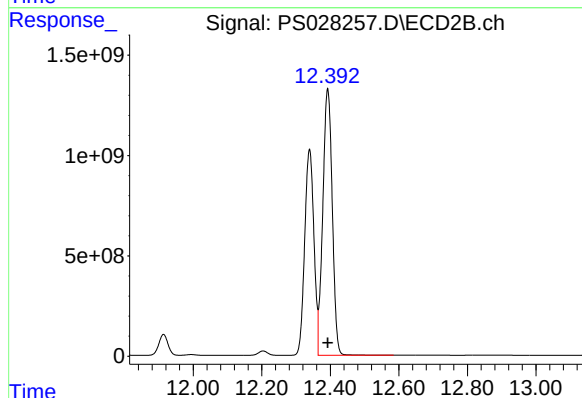
R.T.: 11.291 min  
Delta R.T.: 0.000 min  
Response: 11997120276  
Conc: 1375.56 ng/ml



#15 Picloram

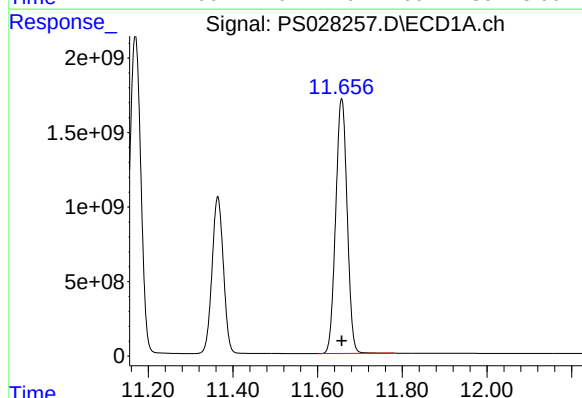
R.T.: 11.169 min  
Delta R.T.: 0.000 min  
Response: 40302344891  
Conc: 1389.79 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



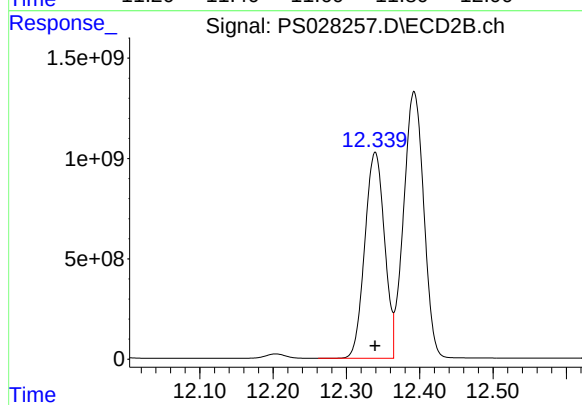
#15 Picloram

R.T.: 12.392 min  
Delta R.T.: 0.000 min  
Response: 25436358300  
Conc: 1410.61 ng/ml



#16 DCPA

R.T.: 11.657 min  
Delta R.T.: 0.000 min  
Response: 32077605577  
Conc: 1350.11 ng/ml



#16 DCPA

R.T.: 12.339 min  
Delta R.T.: 0.000 min  
Response: 19195123291  
Conc: 1370.05 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028258.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Nov 2024 11:48  
 Operator : AR\AJ  
 Sample : HSTDICV750  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

ICVPS110624

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 06 12:11:51 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |        |        |           |           |          |         |
| System Monitoring Compounds |        |        |           |           |          |         |
| 4) S 2,4-DCAA               | 7.262  | 7.765  | 1909.2E6  | 1293.6E6  | 745.363m | 742.673 |
| Target Compounds            |        |        |           |           |          |         |
| 1) T Dalapon                | 2.654  | 2.709  | 2373.4E6  | 1927.9E6  | 666.847  | 655.176 |
| 2) T 3,5-DICHL...           | 6.430  | 6.715  | 2570.6E6  | 1755.0E6  | 685.711  | 693.418 |
| 3) T 4-Nitroph...           | 7.062  | 7.292  | 1107.2E6  | 767.5E6   | 672.021  | 669.796 |
| 5) T DICAMBA                | 7.452  | 7.967  | 7889.1E6  | 5731.6E6  | 702.591  | 713.550 |
| 6) T MCPP                   | 7.636  | 8.068  | 542.8E6   | 432.6E6   | 71.588   | 71.259  |
| 7) T MCPA                   | 7.786  | 8.314  | 725.3E6   | 577.6E6   | 69.669   | 69.262  |
| 8) T DICHLORPROP            | 8.163  | 8.684  | 1952.7E6  | 1408.3E6  | 692.610  | 700.894 |
| 9) T 2,4-D                  | 8.394  | 9.015  | 2195.2E6  | 1559.6E6  | 695.547  | 699.350 |
| 10) T Pentachlo...          | 8.694  | 9.546  | 30589.2E6 | 20926.4E6 | 735.976  | 717.525 |
| 11) T 2,4,5-TP ...          | 9.277  | 9.922  | 12149.8E6 | 8927.5E6  | 713.618  | 717.488 |
| 12) T 2,4,5-T               | 9.570  | 10.344 | 12376.6E6 | 8776.4E6  | 713.944  | 715.459 |
| 13) T 2,4-DB                | 10.147 | 10.912 | 2007.4E6  | 1125.1E6  | 710.202  | 709.878 |
| 14) T DINOSEB               | 11.365 | 11.291 | 10291.5E6 | 6191.3E6  | 711.775  | 709.875 |
| 15) T Picloram              | 11.170 | 12.392 | 20981.7E6 | 13132.8E6 | 723.535  | 728.298 |
| 16) T DCPA                  | 11.657 | 12.338 | 17237.5E6 | 10137.8E6 | 725.504  | 723.586 |
| -----                       |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028258.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 11:48  
Operator : AR\AJ  
Sample : HSTDICV750  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

ICVPS110624

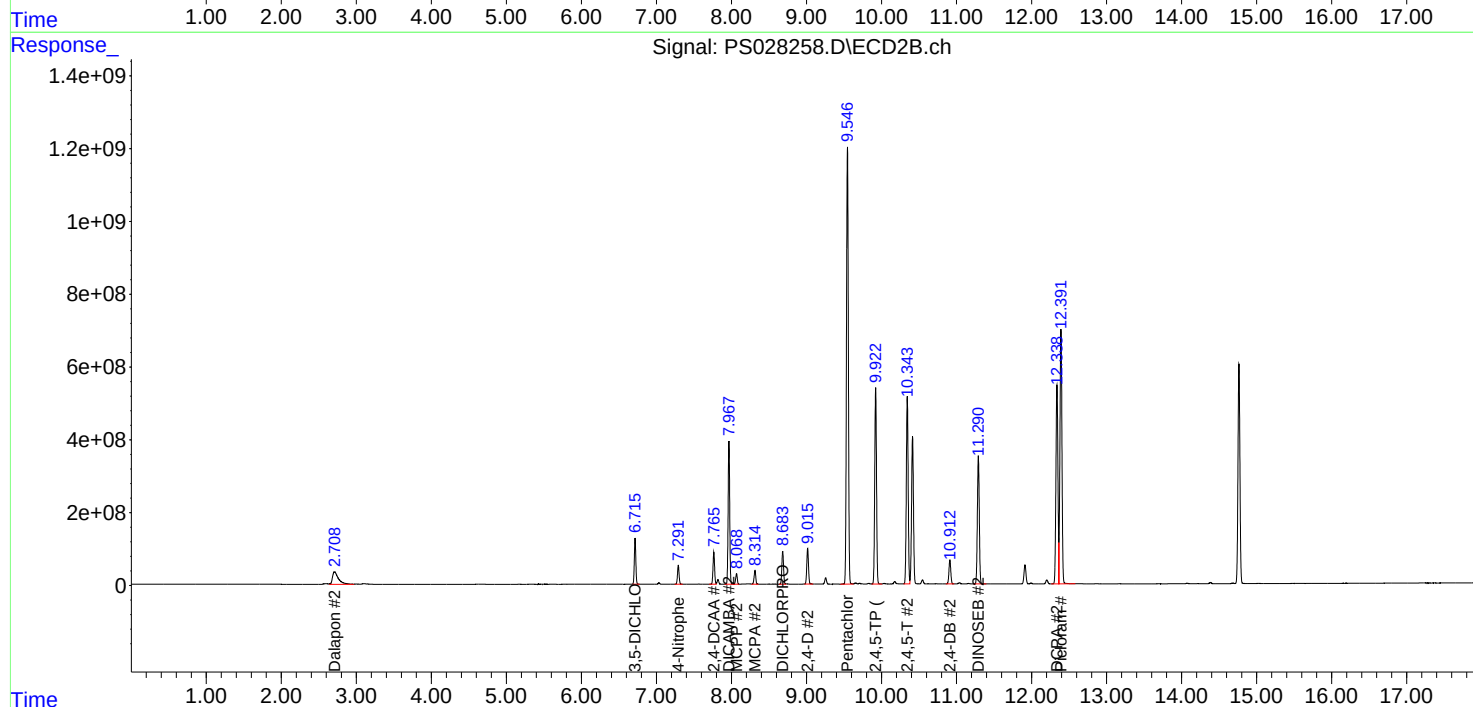
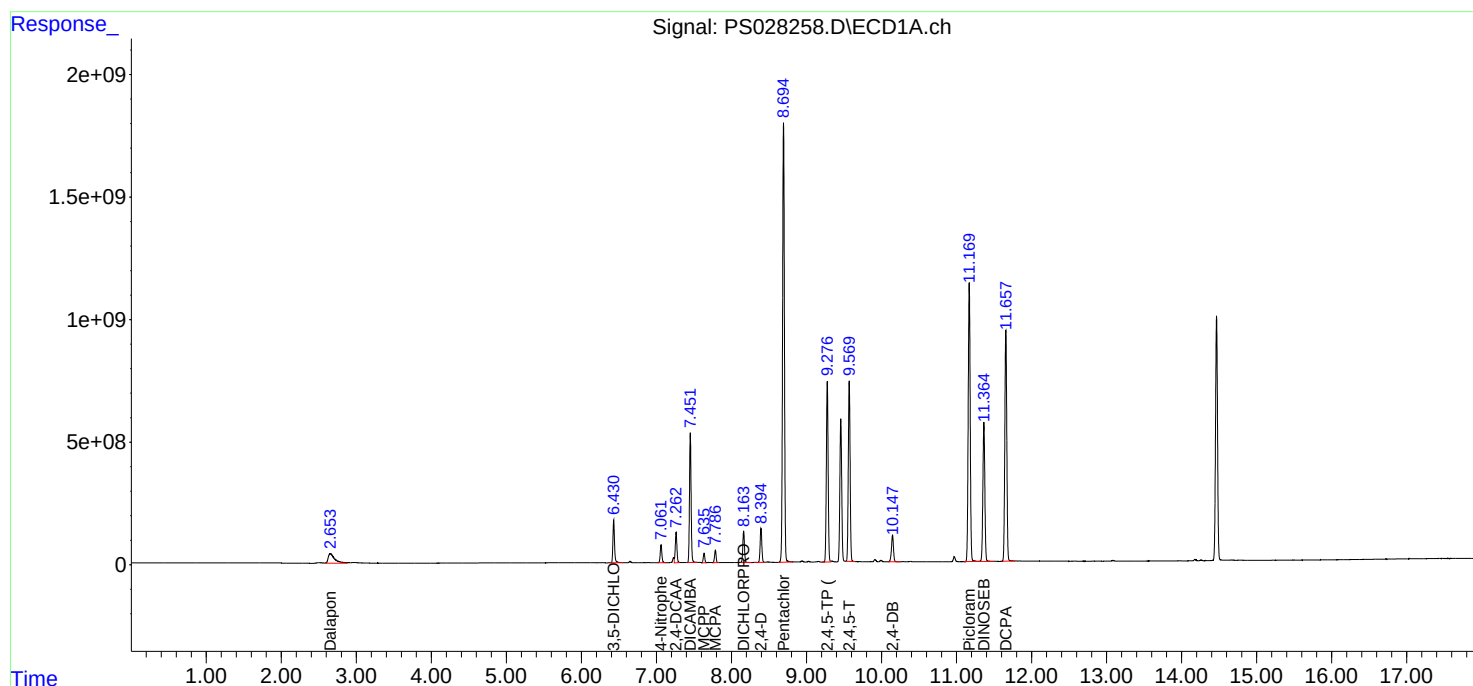
## Manual Integrations

APPROVED

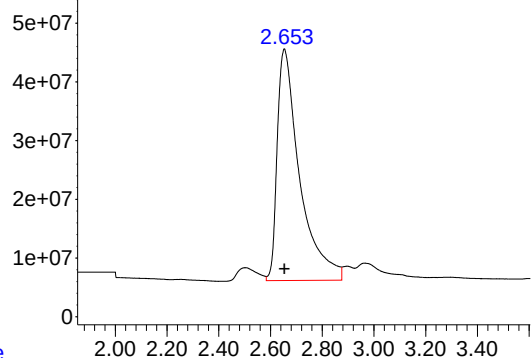
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 12:11:51 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028258.D\ECD1A.ch



#1 Dalapon

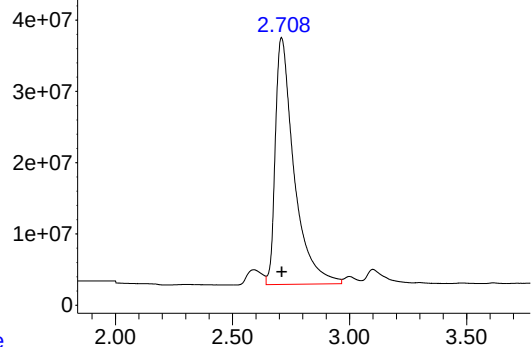
R.T.: 2.654 min  
Delta R.T.: 0.000 min  
Response: 2373437505  
Conc: 666.85 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

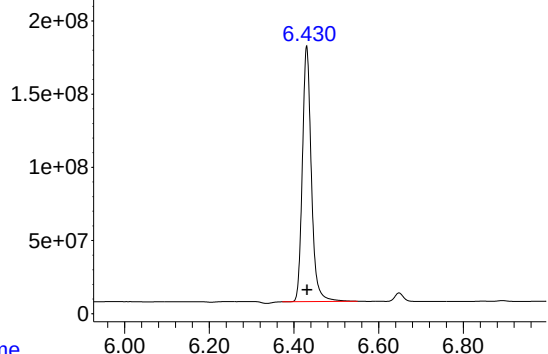
Time Response\_ Signal: PS028258.D\ECD2B.ch



#1 Dalapon

R.T.: 2.709 min  
Delta R.T.: 0.000 min  
Response: 1927851748  
Conc: 655.18 ng/ml

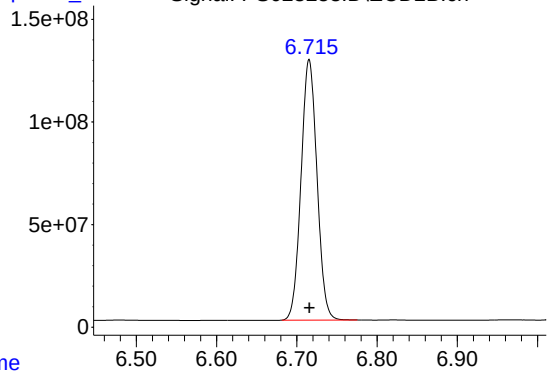
Time Response\_ Signal: PS028258.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

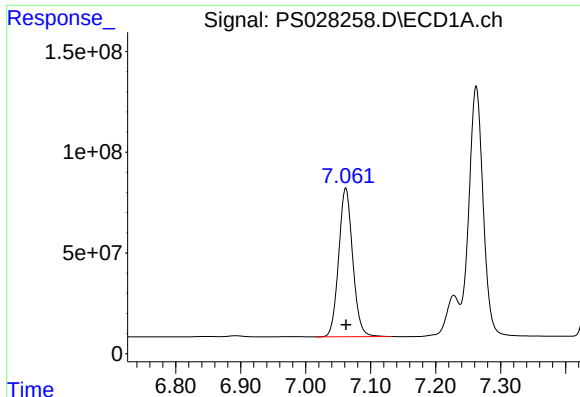
R.T.: 6.430 min  
Delta R.T.: 0.000 min  
Response: 2570578935  
Conc: 685.71 ng/ml

Time Response\_ Signal: PS028258.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min  
Delta R.T.: 0.000 min  
Response: 1754975997  
Conc: 693.42 ng/ml



#3 4-Nitrophenol

R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 1107199097  
Conc: 672.02 ng/ml

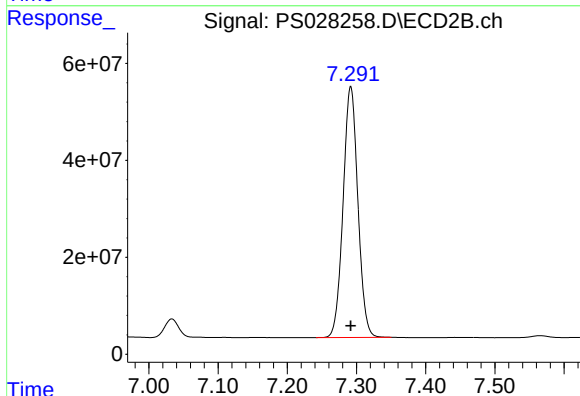
Instrument :

ECD\_S

ClientSampleId :  
ICVPS110624

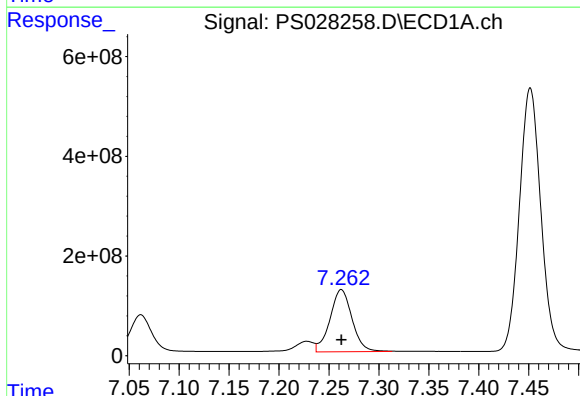
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



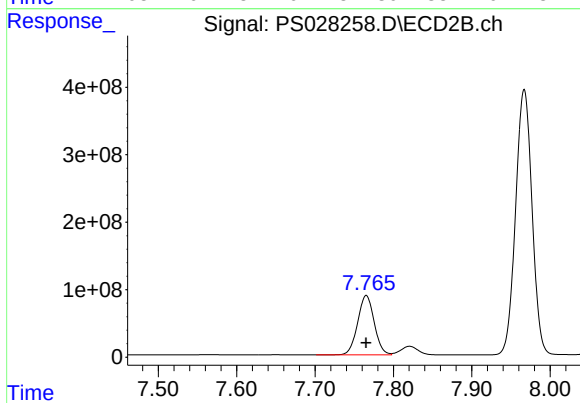
#3 4-Nitrophenol

R.T.: 7.292 min  
Delta R.T.: 0.000 min  
Response: 767549713  
Conc: 669.80 ng/ml



#4 2,4-DCAA

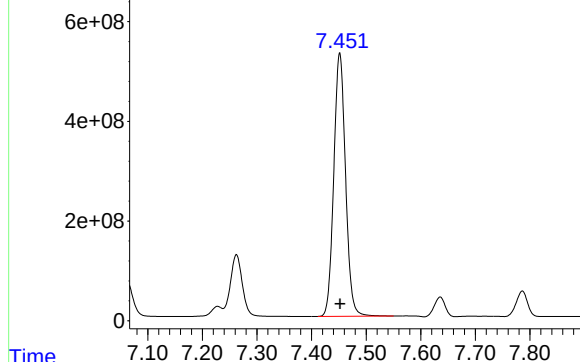
R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 1909182866  
Conc: 745.36 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min  
Delta R.T.: 0.000 min  
Response: 1293573737  
Conc: 742.67 ng/ml

Response\_ Signal: PS028258.D\ECD1A.ch



#5 DICAMBA

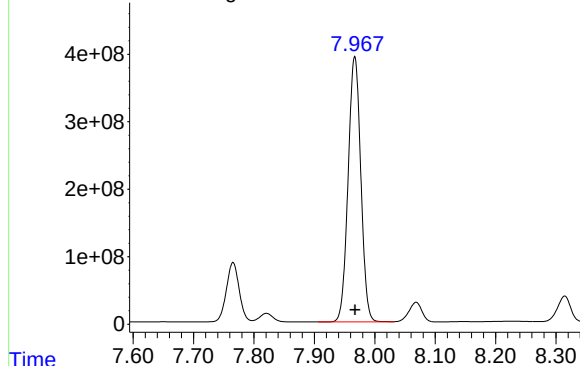
R.T.: 7.452 min  
Delta R.T.: 0.000 min  
Response: 7889067087  
Conc: 702.59 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

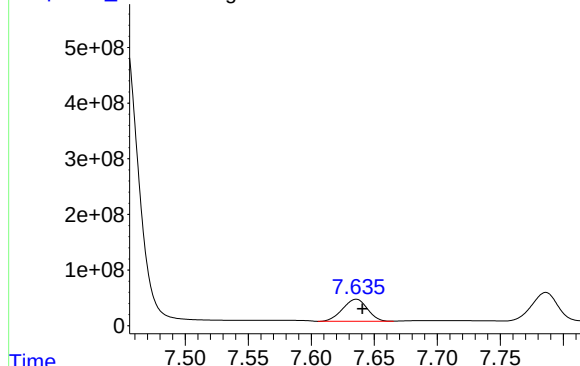
Response\_ Signal: PS028258.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.967 min  
Delta R.T.: 0.000 min  
Response: 5731636475  
Conc: 713.55 ng/ml

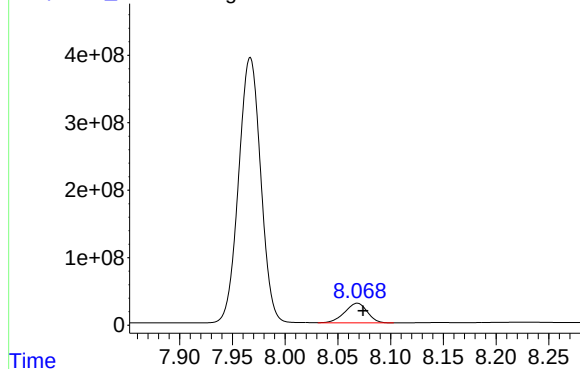
Response\_ Signal: PS028258.D\ECD1A.ch



#6 MCP

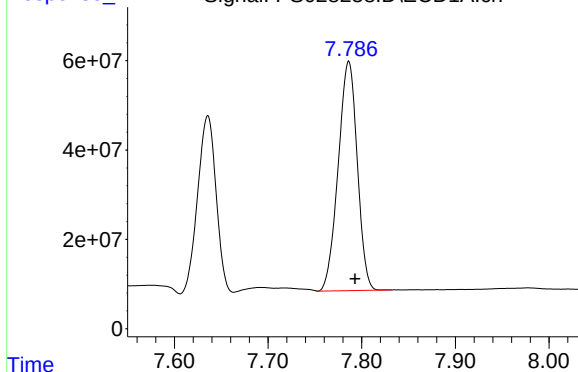
R.T.: 7.636 min  
Delta R.T.: -0.005 min  
Response: 542815400  
Conc: 71.59 ug/ml

Response\_ Signal: PS028258.D\ECD2B.ch



#6 MCP

R.T.: 8.068 min  
Delta R.T.: -0.006 min  
Response: 432634547  
Conc: 71.26 ug/ml



R.T.: 7.786 min  
Delta R.T.: -0.007 min  
Response: 725334951  
Conc: 69.67 ug/ml

Instrument :

ECD\_S

ClientSampleId :

ICVPS110624

Manual Integrations

APPROVED

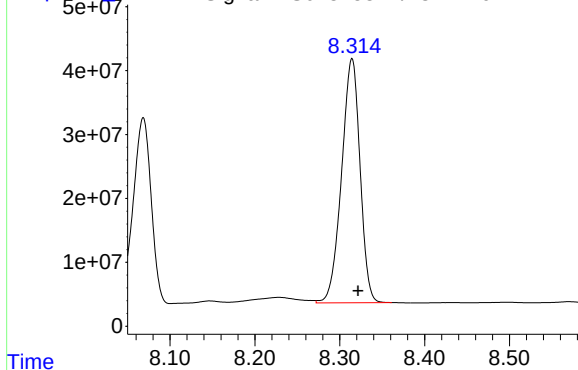
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response

Signal: PS028258.D\ECD2B.ch

#7 MCPA



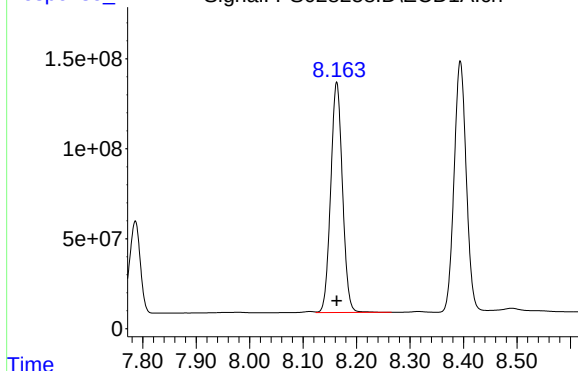
R.T.: 8.314 min  
Delta R.T.: -0.007 min  
Response: 577550521  
Conc: 69.26 ug/ml

Time

Response\_

Signal: PS028258.D\ECD1A.ch

#8 DICHLORPROP



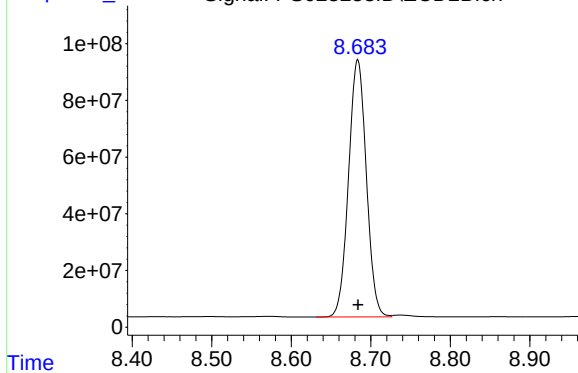
R.T.: 8.163 min  
Delta R.T.: 0.000 min  
Response: 1952660519  
Conc: 692.61 ng/ml

Time

Response\_

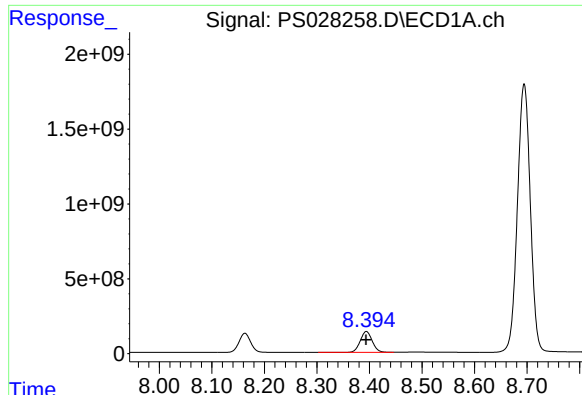
Signal: PS028258.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.684 min  
Delta R.T.: 0.000 min  
Response: 1408266062  
Conc: 700.89 ng/ml

Time



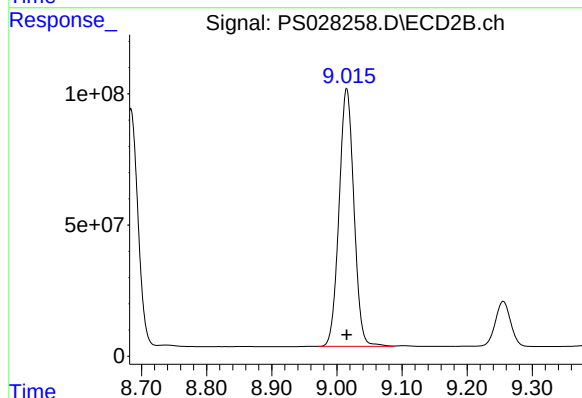
#9 2,4-D

R.T.: 8.394 min  
Delta R.T.: 0.000 min  
Response: 2195223158  
Conc: 695.55 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

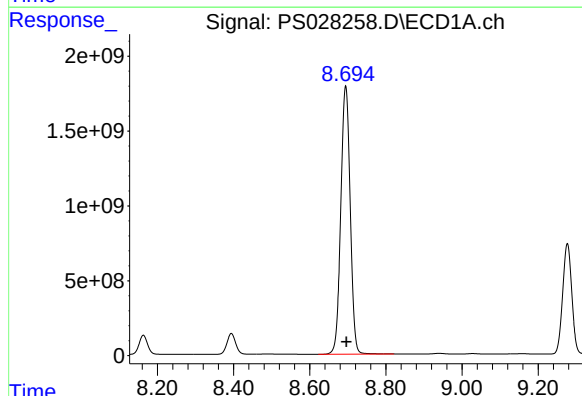
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



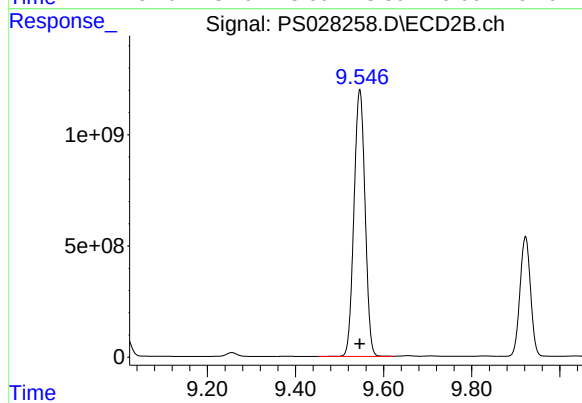
#9 2,4-D

R.T.: 9.015 min  
Delta R.T.: 0.000 min  
Response: 1559648407  
Conc: 699.35 ng/ml



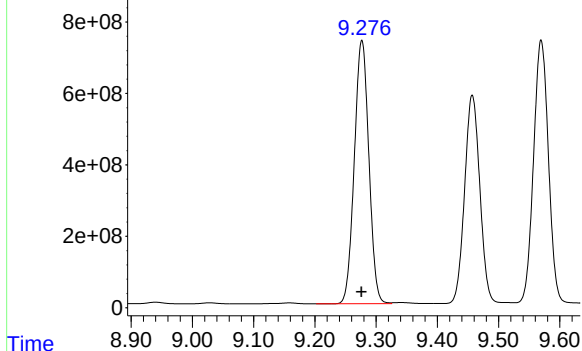
#10 Pentachlorophenol

R.T.: 8.694 min  
Delta R.T.: -0.002 min  
Response: 30589152356  
Conc: 735.98 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min  
Delta R.T.: 0.000 min  
Response: 20926388934  
Conc: 717.52 ng/ml

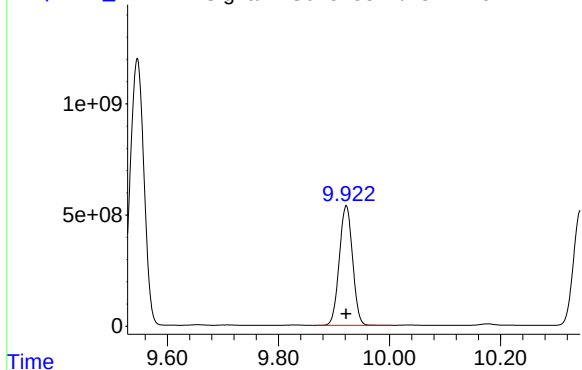


R.T.: 9.277 min  
Delta R.T.: 0.000 min  
Response: 12149790397  
Conc: 713.62 ng/ml

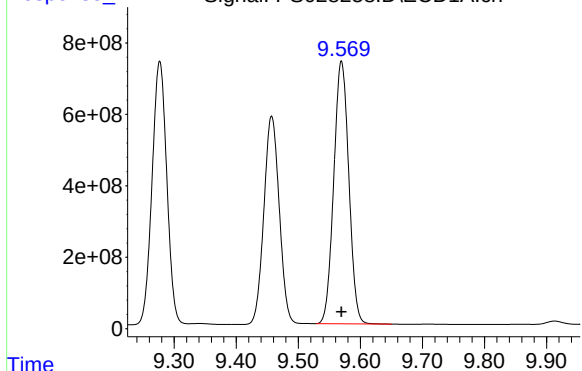
Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

Manual Integrations  
APPROVED

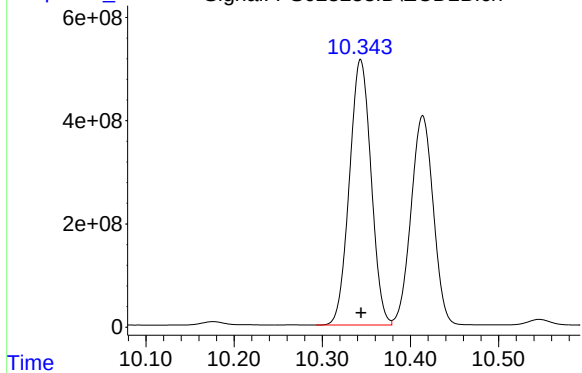
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



R.T.: 9.922 min  
Delta R.T.: 0.000 min  
Response: 8927486585  
Conc: 717.49 ng/ml

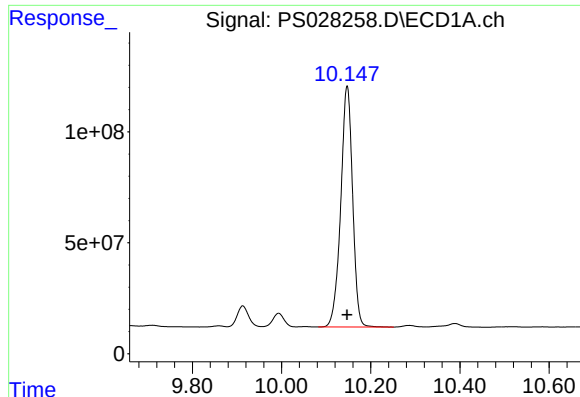


R.T.: 9.570 min  
Delta R.T.: 0.000 min  
Response: 12376586172  
Conc: 713.94 ng/ml



R.T.: 10.344 min  
Delta R.T.: 0.000 min  
Response: 8776384079  
Conc: 715.46 ng/ml





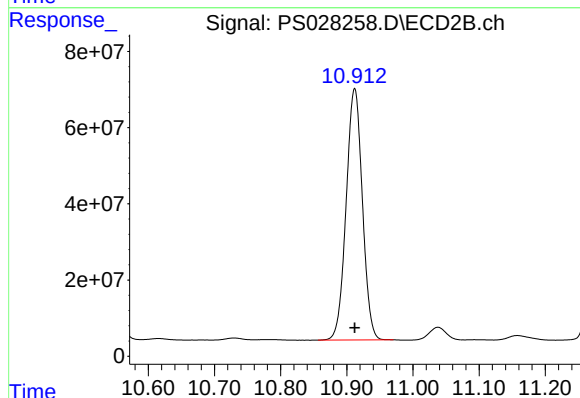
#13 2,4-DB

R.T.: 10.147 min  
Delta R.T.: 0.000 min  
Response: 2007409621  
Conc: 710.20 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

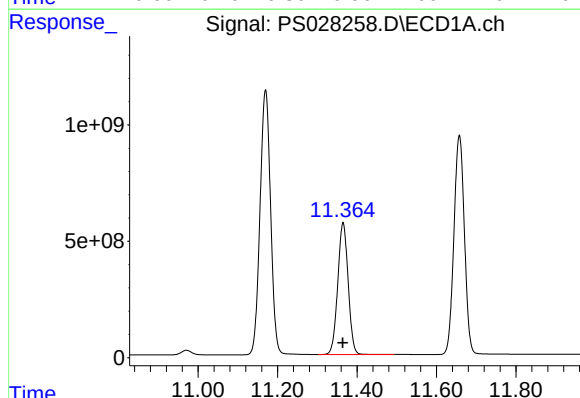
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



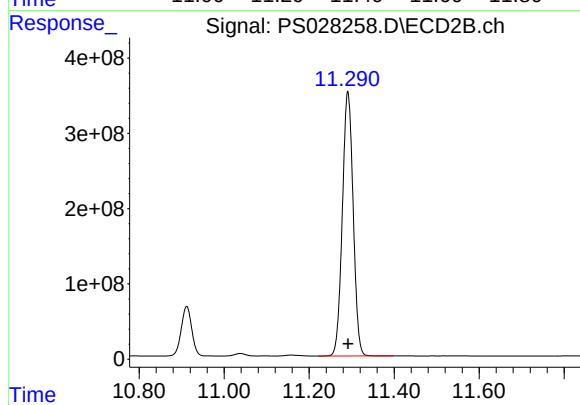
#13 2,4-DB

R.T.: 10.912 min  
Delta R.T.: 0.000 min  
Response: 1125084734  
Conc: 709.88 ng/ml



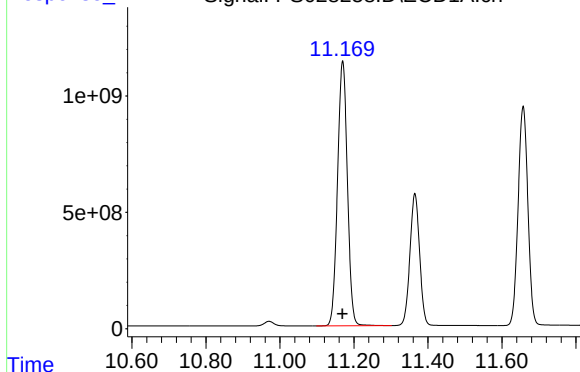
#14 DINOSEB

R.T.: 11.365 min  
Delta R.T.: 0.000 min  
Response: 1029153668  
Conc: 711.78 ng/ml



#14 DINOSEB

R.T.: 11.291 min  
Delta R.T.: 0.000 min  
Response: 6191285946  
Conc: 709.88 ng/ml



R.T.: 11.170 min  
Delta R.T.: 0.000 min  
Response: 20981716114  
Conc: 723.53 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110624

Manual Integrations  
APPROVED

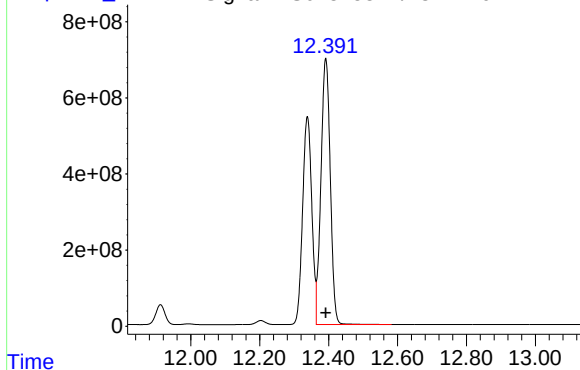
Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028258.D\ECD2B.ch

#15 Picloram



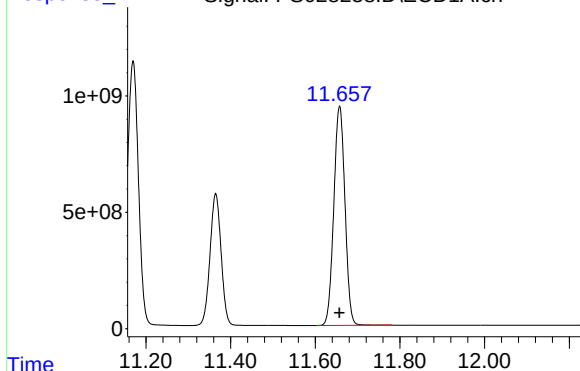
R.T.: 12.392 min  
Delta R.T.: 0.000 min  
Response: 13132787505  
Conc: 728.30 ng/ml

Time

Response\_

Signal: PS028258.D\ECD1A.ch

#16 DCPA



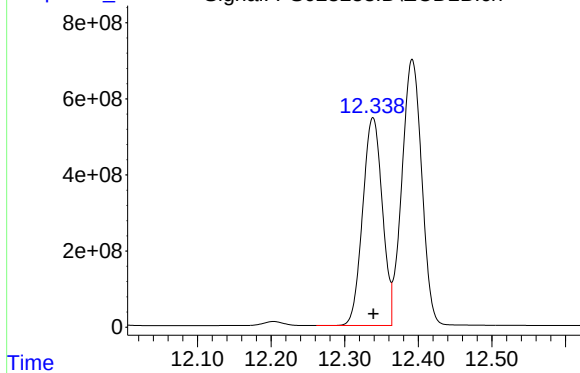
R.T.: 11.657 min  
Delta R.T.: 0.000 min  
Response: 17237460769  
Conc: 725.50 ng/ml

Time

Response\_

Signal: PS028258.D\ECD2B.ch

#16 DCPA



R.T.: 12.338 min  
Delta R.T.: 0.000 min  
Response: 10137797130  
Conc: 723.59 ng/ml

Time

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/08/2024 11/08/2024  
**Calibration Times:** 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

|                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| LAB FILE ID:               | RT 200 = <u>PS028356.D</u>  | RT 500 = <u>PS028357.D</u>  |
| RT 750 = <u>PS028358.D</u> | RT 1000 = <u>PS028359.D</u> | RT 1500 = <u>PS028360.D</u> |

| COMPOUND         | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN<br>RT | RT WINDOW |       |
|------------------|--------|--------|--------|---------|---------|------------|-----------|-------|
|                  |        |        |        |         |         |            | FROM      | TO    |
| 2,4,5-T          | 9.55   | 9.56   | 9.55   | 9.55    | 9.55    | 9.55       | 9.45      | 9.65  |
| 2,4,5-TP(Silvex) | 9.26   | 9.26   | 9.26   | 9.26    | 9.26    | 9.26       | 9.16      | 9.36  |
| 2,4-D            | 8.38   | 8.38   | 8.38   | 8.38    | 8.38    | 8.38       | 8.28      | 8.48  |
| 2,4-DB           | 10.13  | 10.13  | 10.13  | 10.13   | 10.13   | 10.13      | 10.03     | 10.23 |
| 2,4-DCAA         | 7.25   | 7.25   | 7.25   | 7.25    | 7.25    | 7.25       | 7.15      | 7.35  |
| DICAMBA          | 7.44   | 7.44   | 7.44   | 7.44    | 7.44    | 7.44       | 7.34      | 7.54  |
| DICHLORPROP      | 8.15   | 8.15   | 8.15   | 8.15    | 8.15    | 8.15       | 8.05      | 8.25  |
| Dinoseb          | 11.35  | 11.35  | 11.35  | 11.35   | 11.35   | 11.35      | 11.25     | 11.45 |

## RETENTION TIMES OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/08/2024 11/08/2024  
**Calibration Times:** 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

|                            |                             |                             |
|----------------------------|-----------------------------|-----------------------------|
| LAB FILE ID:               | RT 200 = <u>PS028356.D</u>  | RT 500 = <u>PS028357.D</u>  |
| RT 750 = <u>PS028358.D</u> | RT 1000 = <u>PS028359.D</u> | RT 1500 = <u>PS028360.D</u> |

| COMPOUND         | RT 200 | RT 500 | RT 750 | RT 1000 | RT 1500 | MEAN<br>RT | RT WINDOW |       |
|------------------|--------|--------|--------|---------|---------|------------|-----------|-------|
|                  |        |        |        |         |         |            | FROM      | TO    |
| 2,4,5-T          | 10.33  | 10.33  | 10.33  | 10.33   | 10.33   | 10.33      | 10.23     | 10.43 |
| 2,4,5-TP(Silvex) | 9.91   | 9.91   | 9.91   | 9.91    | 9.91    | 9.91       | 9.81      | 10.01 |
| 2,4-D            | 9.01   | 9.00   | 9.01   | 9.01    | 9.01    | 9.00       | 8.90      | 9.10  |
| 2,4-DB           | 10.90  | 10.90  | 10.90  | 10.90   | 10.90   | 10.90      | 10.80     | 11.00 |
| 2,4-DCAA         | 7.76   | 7.75   | 7.76   | 7.76    | 7.76    | 7.75       | 7.65      | 7.85  |
| DICAMBA          | 7.96   | 7.96   | 7.96   | 7.96    | 7.96    | 7.96       | 7.86      | 8.06  |
| DICHLORPROP      | 8.67   | 8.67   | 8.67   | 8.67    | 8.67    | 8.67       | 8.57      | 8.77  |
| Dinoseb          | 11.28  | 11.28  | 11.28  | 11.28   | 11.28   | 11.28      | 11.18     | 11.38 |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/08/2024 11/08/2024  
**Calibration Times:** 15:13 16:58  
**GC Column:** RTX-CLP **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |             | <b>CF 200 =</b> <u>PS028356.D</u>  |             | <b>CF 500 =</b> <u>PS028357.D</u>  |             |             |       |
|-----------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|-------------|-------|
| <b>CF 750 =</b> <u>PS028358.D</u> |             | <b>CF 1000 =</b> <u>PS028359.D</u> |             | <b>CF 1500 =</b> <u>PS028360.D</u> |             |             |       |
| COMPOUND                          | CF 200      | CF 500                             | CF 750      | CF 1000                            | CF 1500     | CF          | % RSD |
| 2,4,5-T                           | 21529100000 | 19437000000                        | 19525400000 | 18705500000                        | 17708000000 | 19381000000 | 7     |
| 2,4,5-TP(Silvex)                  | 21008200000 | 18982300000                        | 19068100000 | 18267500000                        | 17318700000 | 18929000000 | 7     |
| 2,4-D                             | 3997770000  | 3571450000                         | 3468690000  | 3334460000                         | 3198650000  | 3514210000  | 9     |
| 2,4-DB                            | 3352010000  | 3027230000                         | 3093110000  | 3022410000                         | 2959650000  | 3090880000  | 5     |
| 2,4-DCAA                          | 3196830000  | 2740430000                         | 2735520000  | 2619650000                         | 2511350000  | 2760750000  | 9     |
| DICAMBA                           | 12975400000 | 11905100000                        | 12166500000 | 11780900000                        | 11375900000 | 12040700000 | 5     |
| DICHLORPROP                       | 3557350000  | 3056940000                         | 3079000000  | 2957460000                         | 2847450000  | 3099640000  | 9     |
| Dinoseb                           | 17552800000 | 16349100000                        | 16308600000 | 15784700000                        | 15071600000 | 16213400000 | 6     |

## CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** TETR16  
**Lab Code:** CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601  
**Instrument ID:** ECD\_S **Calibration Date(s):** 11/08/2024 11/08/2024  
**Calibration Times:** 15:13 16:58  
**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |             | <b>CF 200 =</b> <u>PS028356.D</u>  |             | <b>CF 500 =</b> <u>PS028357.D</u>  |             |             |       |
|-----------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|-------------|-------|
| <b>CF 750 =</b> <u>PS028358.D</u> |             | <b>CF 1000 =</b> <u>PS028359.D</u> |             | <b>CF 1500 =</b> <u>PS028360.D</u> |             |             |       |
| COMPOUND                          | CF 200      | CF 500                             | CF 750      | CF 1000                            | CF 1500     | CF          | % RSD |
| 2,4,5-T                           | 10782600000 | 10407300000                        | 10530200000 | 10245600000                        | 9914510000  | 10376000000 | 3     |
| 2,4,5-TP(Silvex)                  | 10970300000 | 10612300000                        | 10768700000 | 10478800000                        | 10130800000 | 10592200000 | 3     |
| 2,4-D                             | 2051780000  | 1901200000                         | 1935300000  | 1900220000                         | 1880580000  | 1933820000  | 4     |
| 2,4-DB                            | 1351580000  | 1287180000                         | 1335670000  | 1323760000                         | 1328210000  | 1325280000  | 2     |
| 2,4-DCAA                          | 1694540000  | 1575990000                         | 1595150000  | 1561040000                         | 1540400000  | 1593420000  | 4     |
| DICAMBA                           | 7032650000  | 7044480000                         | 7350350000  | 7249840000                         | 7170240000  | 7169510000  | 2     |
| DICHLORPROP                       | 1864120000  | 1759800000                         | 1788540000  | 1754780000                         | 1739090000  | 1781270000  | 3     |
| Dinoseb                           | 7376340000  | 7195700000                         | 7257020000  | 7126590000                         | 6931080000  | 7177340000  | 2     |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028356.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 15:13  
 Operator : AR\AJ  
 Sample : HSTDICC200  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC200

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 16:44:41 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 16:40:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|----------|---------|---------|
| -----                       |              |        |        |           |          |         |         |
| System Monitoring Compounds |              |        |        |           |          |         |         |
| 4) S                        | 2,4-DCAA     | 7.250  | 7.755  | 639.4E6   | 338.9E6  | 221.163 | 208.958 |
| Target Compounds            |              |        |        |           |          |         |         |
| 1) T                        | Dalapon      | 2.649  | 2.709  | 639.6E6   | 535.0E6  | 180.591 | 187.020 |
| 2) T                        | 3,5-DICHL... | 6.419  | 6.707  | 834.2E6   | 459.1E6  | 199.534 | 190.228 |
| 3) T                        | 4-Nitroph... | 7.049  | 7.282  | 353.5E6   | 199.1E6  | 181.638 | 178.299 |
| 5) T                        | DICAMBA      | 7.438  | 7.956  | 2439.4E6  | 1322.1E6 | 197.536 | 185.109 |
| 6) T                        | MCPD         | 7.618  | 8.055  | 133.1E6   | 107.5E6  | 16.834  | 18.386  |
| 7) T                        | MCPA         | 7.767  | 8.299  | 198.7E6   | 158.6E6  | 17.768  | 19.466  |
| 8) T                        | DICHLORPROP  | 8.148  | 8.674  | 668.8E6   | 350.5E6  | 206.983 | 194.249 |
| 9) T                        | 2,4-D        | 8.379  | 9.005  | 751.6E6   | 385.7E6  | 204.272 | 196.527 |
| 10) T                       | Pentachlo... | 8.679  | 9.534  | 10049.1E6 | 5003.0E6 | 203.477 | 194.171 |
| 11) T                       | 2,4,5-TP ... | 9.260  | 9.911  | 3991.6E6  | 2084.4E6 | 202.759 | 193.286 |
| 12) T                       | 2,4,5-T      | 9.553  | 10.333 | 4090.5E6  | 2048.7E6 | 202.864 | 193.761 |
| 13) T                       | 2,4-DB       | 10.130 | 10.901 | 636.9E6   | 256.8E6  | 201.708 | 193.839 |
| 14) T                       | DINOSEB      | 11.345 | 11.280 | 3299.9E6  | 1386.8E6 | 197.166 | 190.583 |
| 15) T                       | Picloram     | 11.150 | 12.379 | 6290.0E6  | 2627.0E6 | 195.582 | 183.908 |
| 16) T                       | DCPA         | 11.638 | 12.326 | 5559.4E6  | 2181.1E6 | 199.687 | 191.134 |
| -----                       |              |        |        |           |          |         |         |

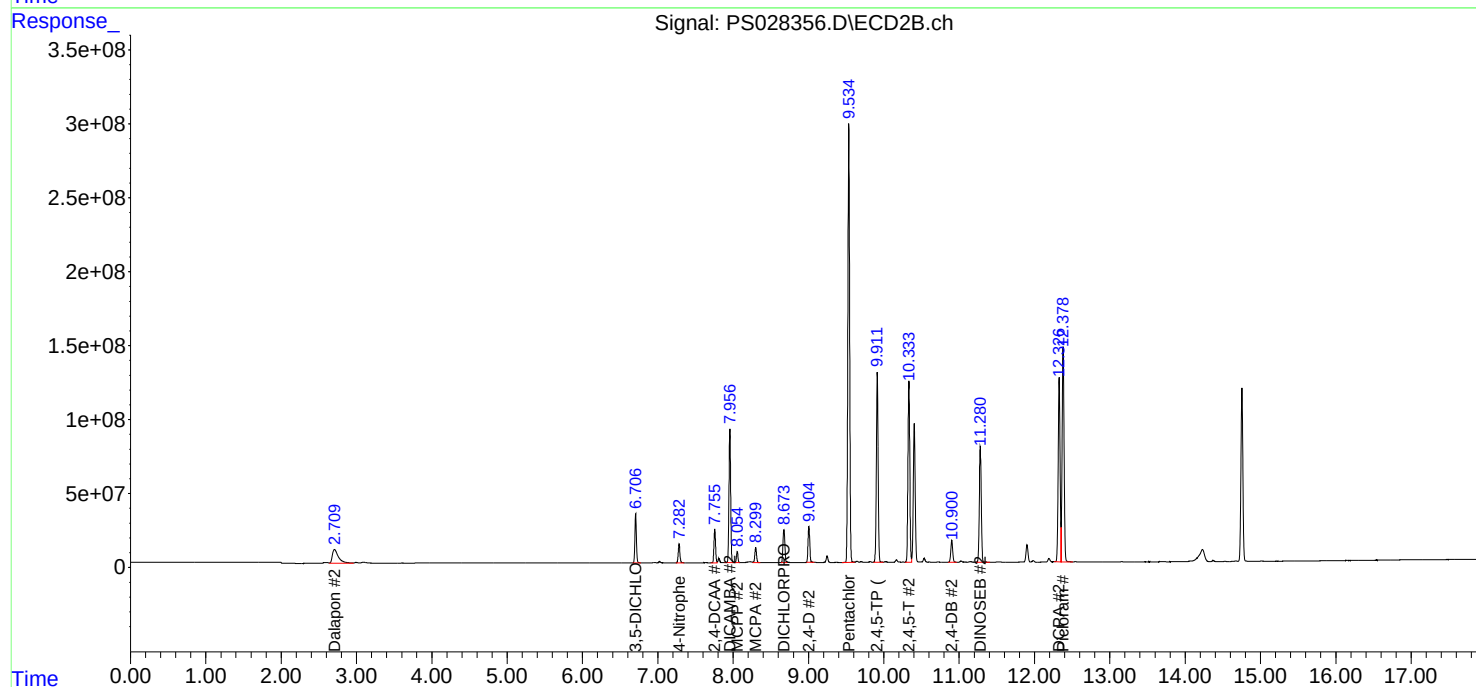
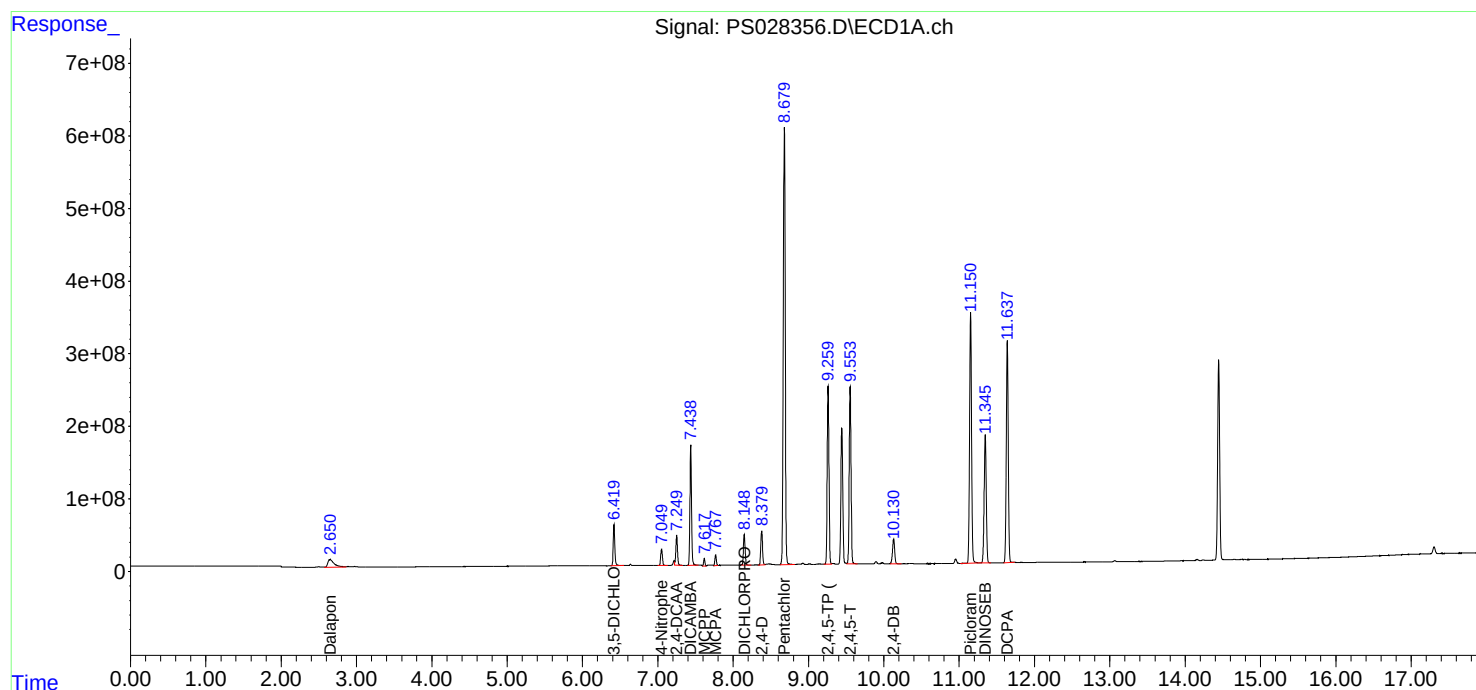
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028356.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 15:13  
Operator : AR\AJ  
Sample : HSTDICC200  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

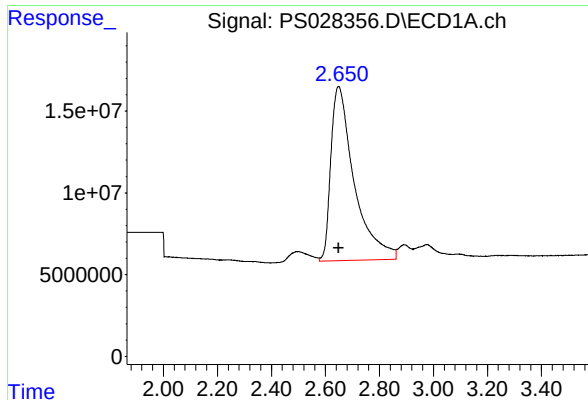
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 16:44:41 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 16:40:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



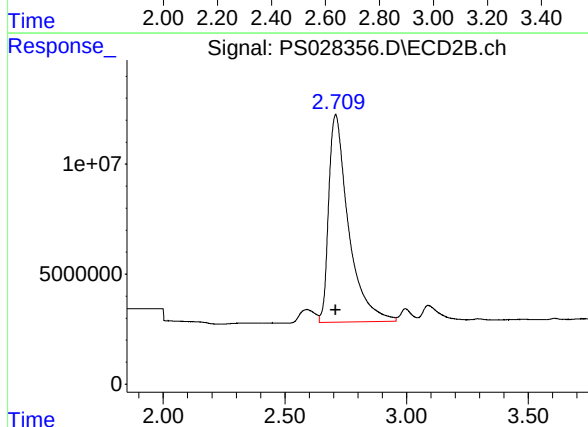




#1 Dalapon

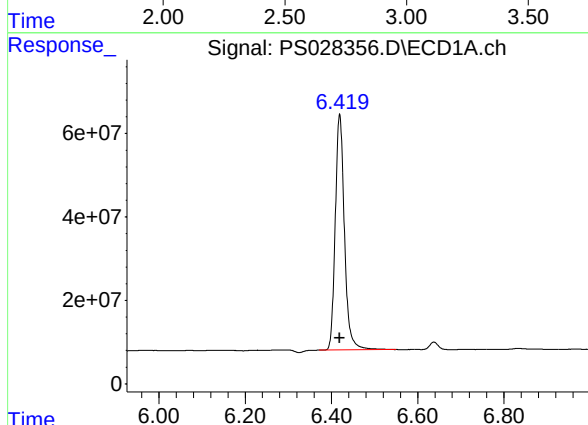
R.T.: 2.649 min  
Delta R.T.: 0.000 min  
Response: 639558185  
Conc: 180.59 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



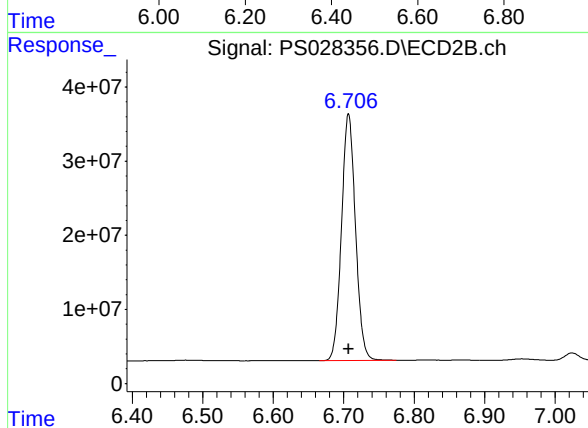
#1 Dalapon

R.T.: 2.709 min  
Delta R.T.: 0.000 min  
Response: 534952401  
Conc: 187.02 ng/ml



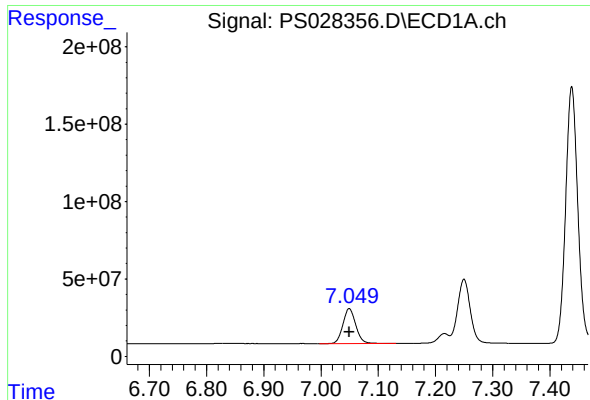
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min  
Delta R.T.: 0.000 min  
Response: 834151597  
Conc: 199.53 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

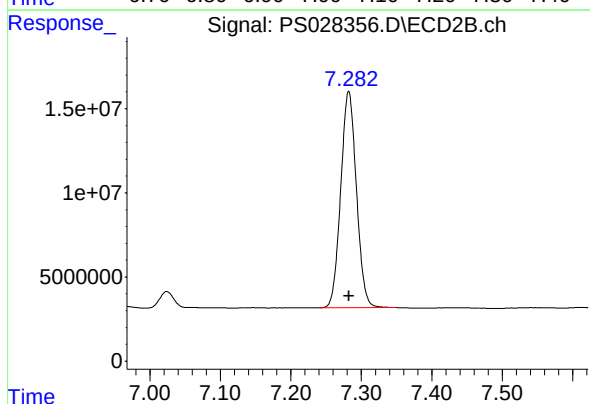
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 459070332  
Conc: 190.23 ng/ml



#3 4-Nitrophenol

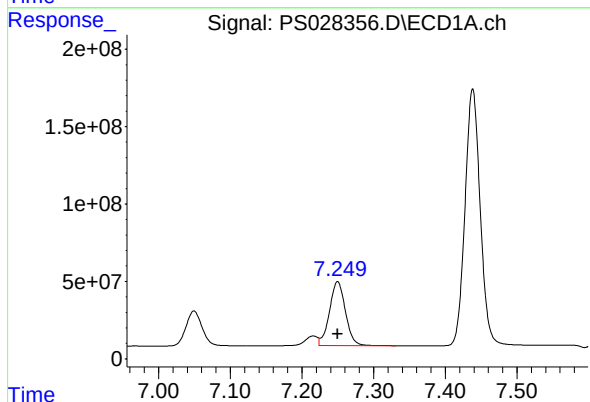
R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 353503675  
Conc: 181.64 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



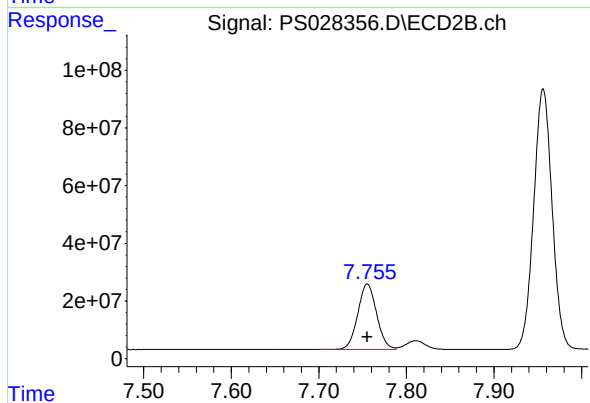
#3 4-Nitrophenol

R.T.: 7.282 min  
Delta R.T.: 0.000 min  
Response: 199085922  
Conc: 178.30 ng/ml



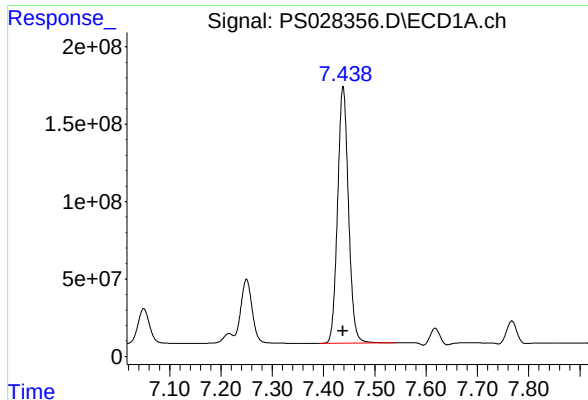
#4 2,4-DCAA

R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 639365498  
Conc: 221.16 ng/ml



#4 2,4-DCAA

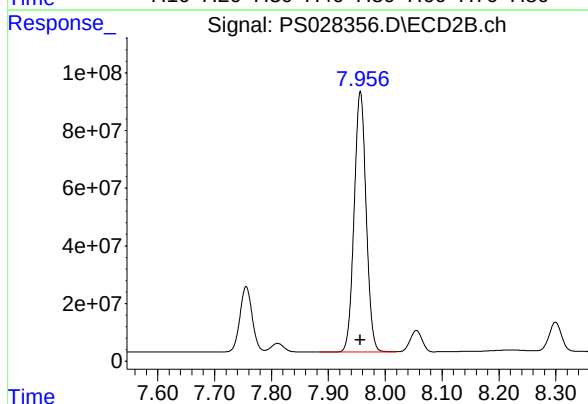
R.T.: 7.755 min  
Delta R.T.: 0.000 min  
Response: 338907721  
Conc: 208.96 ng/ml



#5 DICAMBA

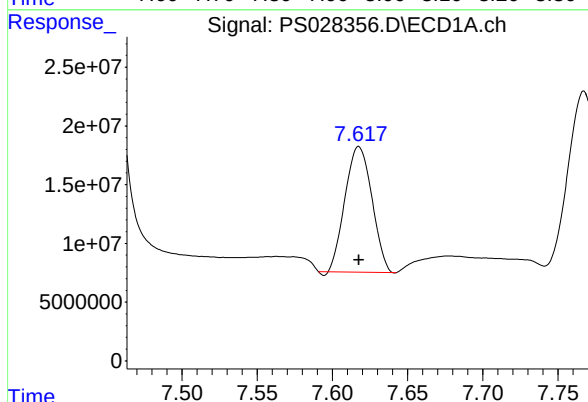
R.T.: 7.438 min  
Delta R.T.: 0.000 min  
Response: 2439369024  
Conc: 197.54 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



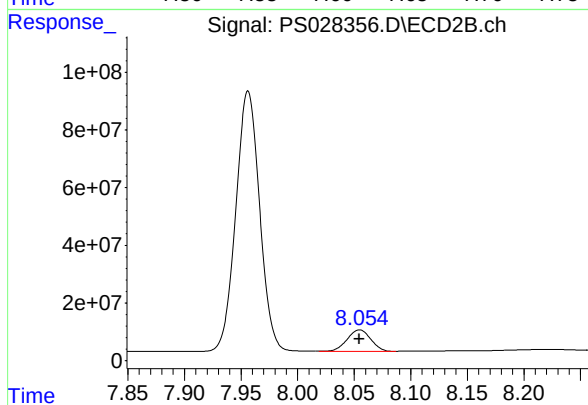
#5 DICAMBA

R.T.: 7.956 min  
Delta R.T.: 0.000 min  
Response: 1322138072  
Conc: 185.11 ng/ml



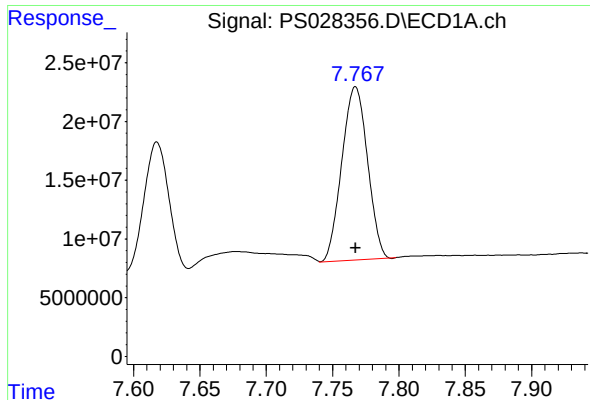
#6 MCPP

R.T.: 7.618 min  
Delta R.T.: 0.000 min  
Response: 133140401  
Conc: 16.83 ug/ml



#6 MCPP

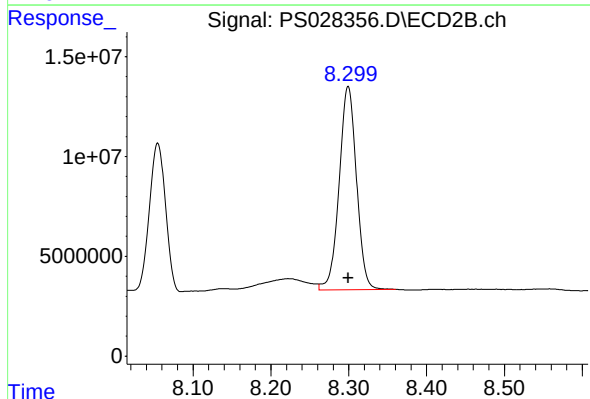
R.T.: 8.055 min  
Delta R.T.: 0.000 min  
Response: 107519720  
Conc: 18.39 ug/ml



#7 MCPA

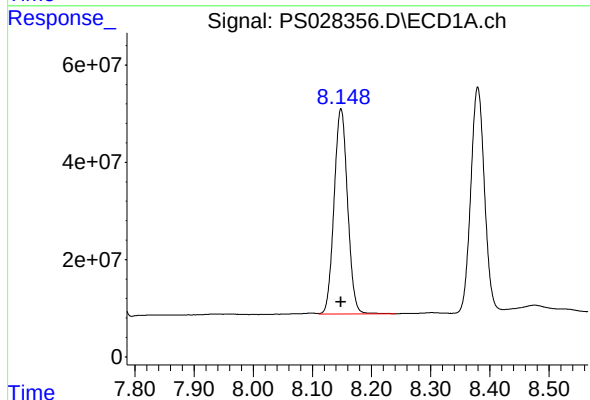
R.T.: 7.767 min  
Delta R.T.: 0.000 min  
Response: 198668926  
Conc: 17.77 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



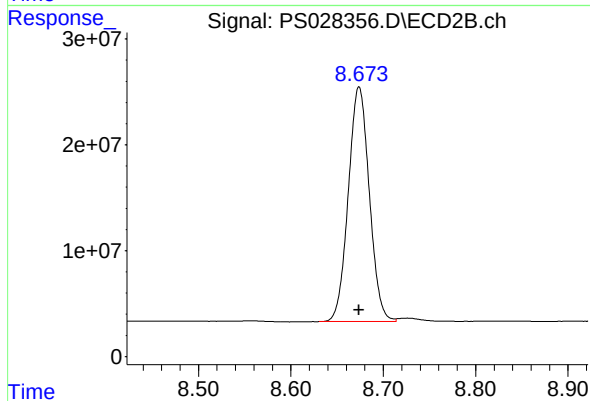
#7 MCPA

R.T.: 8.299 min  
Delta R.T.: 0.000 min  
Response: 158562185  
Conc: 19.47 ug/ml



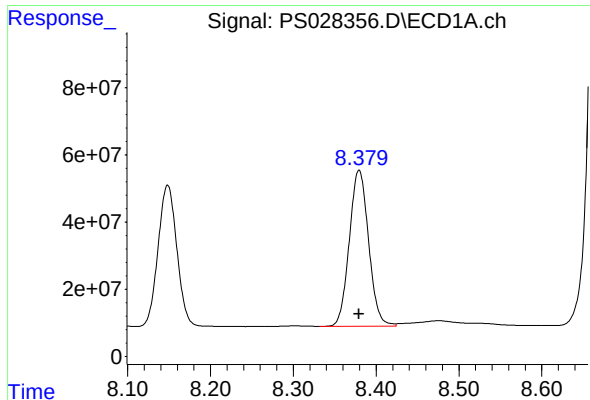
#8 DICHLORPROP

R.T.: 8.148 min  
Delta R.T.: 0.000 min  
Response: 668781118  
Conc: 206.98 ng/ml



#8 DICHLORPROP

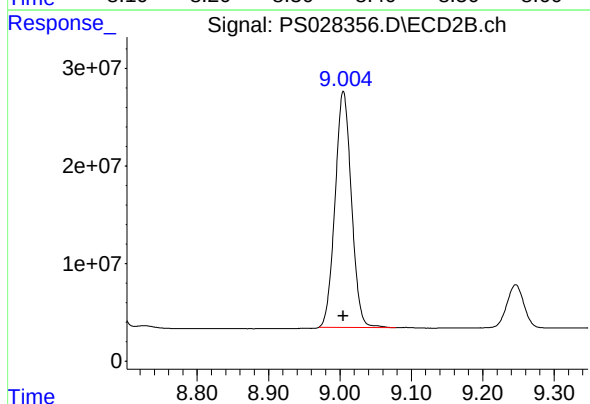
R.T.: 8.674 min  
Delta R.T.: 0.000 min  
Response: 350454119  
Conc: 194.25 ng/ml



#9 2,4-D

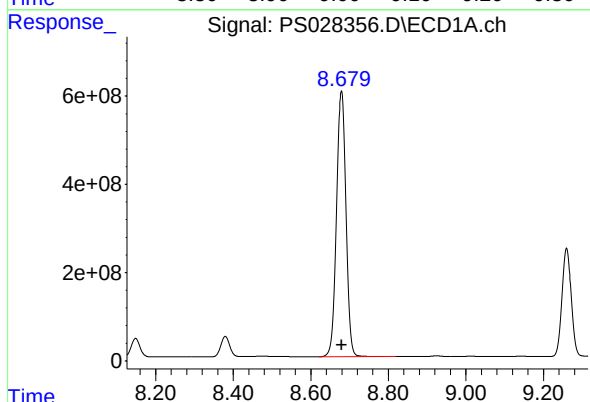
R.T.: 8.379 min  
Delta R.T.: 0.000 min  
Response: 751580319  
Conc: 204.27 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



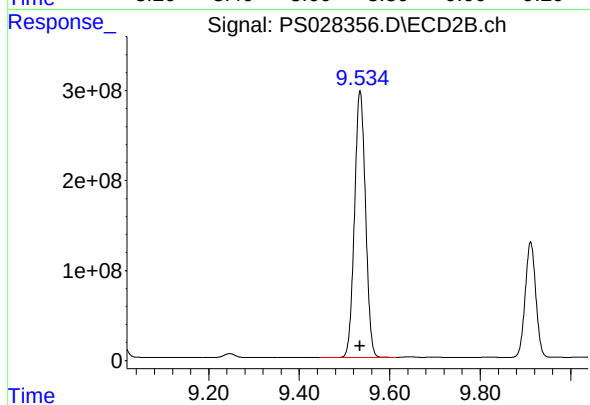
#9 2,4-D

R.T.: 9.005 min  
Delta R.T.: 0.000 min  
Response: 385734745  
Conc: 196.53 ng/ml



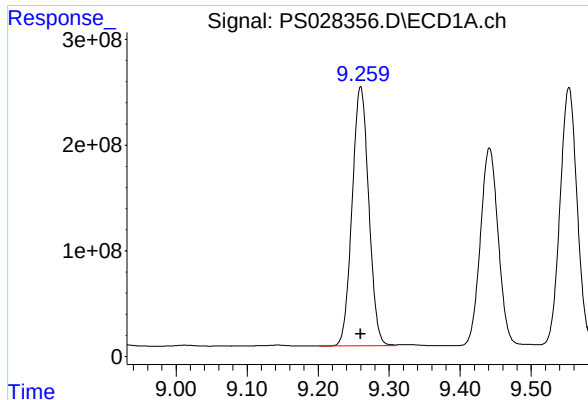
#10 Pentachlorophenol

R.T.: 8.679 min  
Delta R.T.: 0.000 min  
Response: 10049059552  
Conc: 203.48 ng/ml



#10 Pentachlorophenol

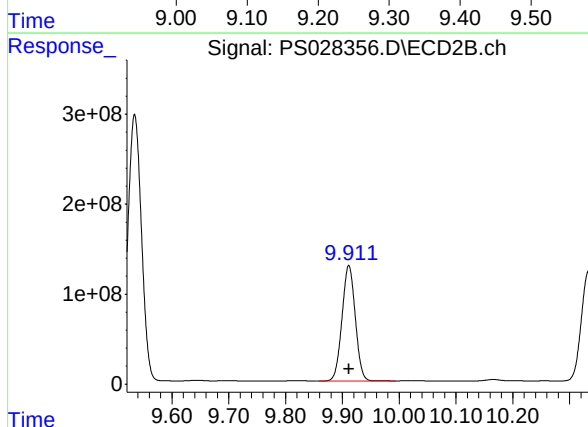
R.T.: 9.534 min  
Delta R.T.: 0.000 min  
Response: 5003002340  
Conc: 194.17 ng/ml



#11 2,4,5-TP (SILVEX)

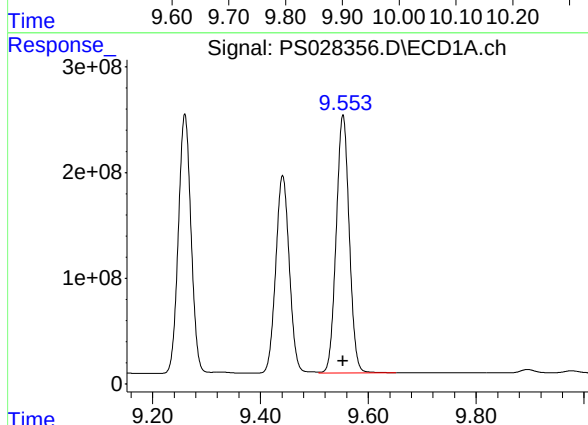
R.T.: 9.260 min  
Delta R.T.: 0.000 min  
Response: 3991559469  
Conc: 202.76 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



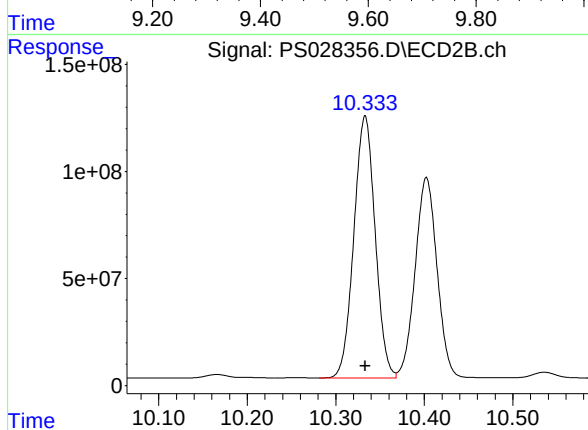
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min  
Delta R.T.: 0.000 min  
Response: 2084359244  
Conc: 193.29 ng/ml



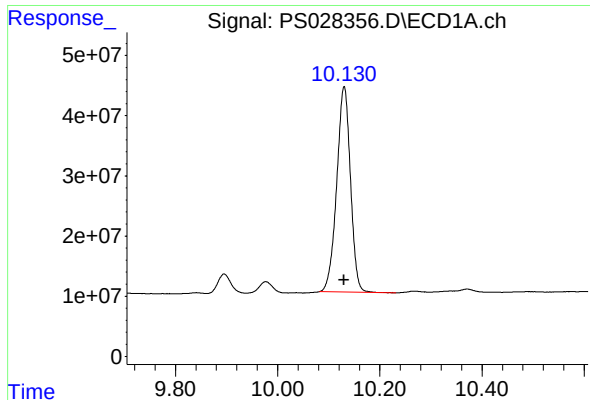
#12 2,4,5-T

R.T.: 9.553 min  
Delta R.T.: 0.000 min  
Response: 4090521110  
Conc: 202.86 ng/ml



#12 2,4,5-T

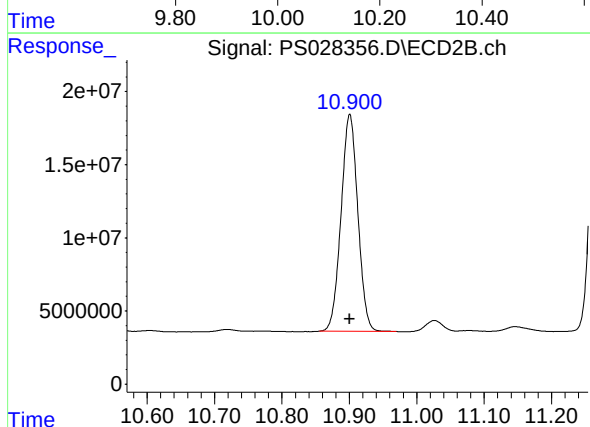
R.T.: 10.333 min  
Delta R.T.: 0.000 min  
Response: 2048701739  
Conc: 193.76 ng/ml



#13 2,4-DB

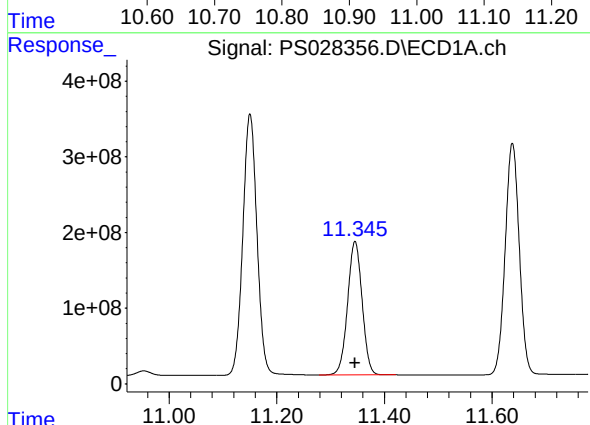
R.T.: 10.130 min  
Delta R.T.: 0.000 min  
Response: 636882314  
Conc: 201.71 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



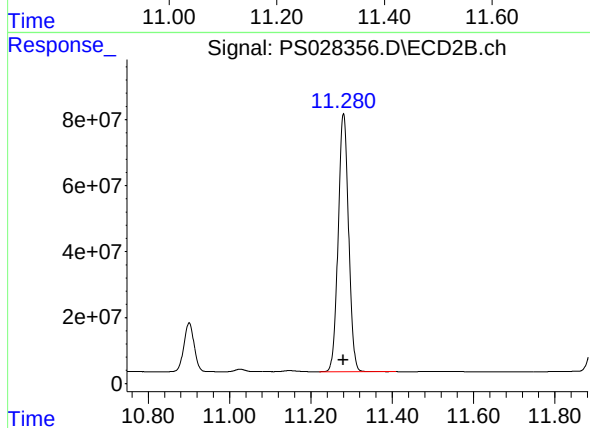
#13 2,4-DB

R.T.: 10.901 min  
Delta R.T.: 0.000 min  
Response: 256800420  
Conc: 193.84 ng/ml



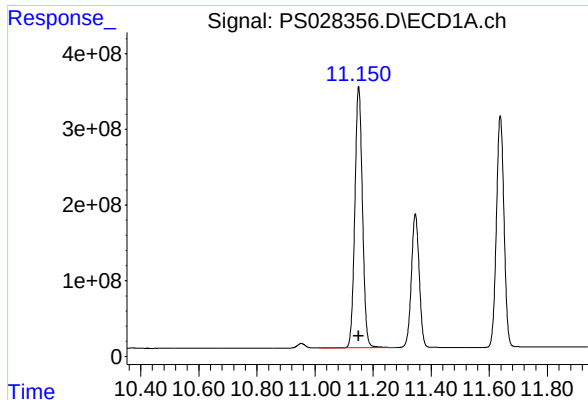
#14 DINOSEB

R.T.: 11.345 min  
Delta R.T.: 0.000 min  
Response: 3299926289  
Conc: 197.17 ng/ml



#14 DINOSEB

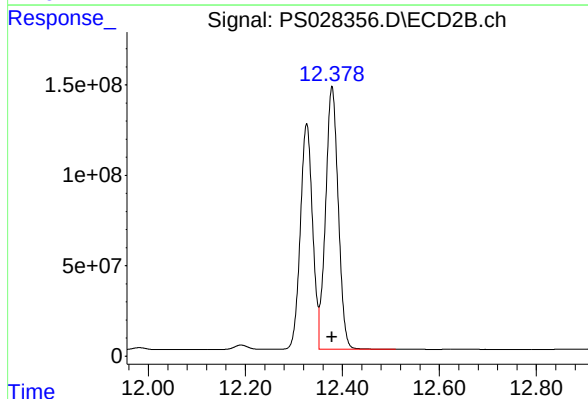
R.T.: 11.280 min  
Delta R.T.: 0.000 min  
Response: 1386751067  
Conc: 190.58 ng/ml



#15 Picloram

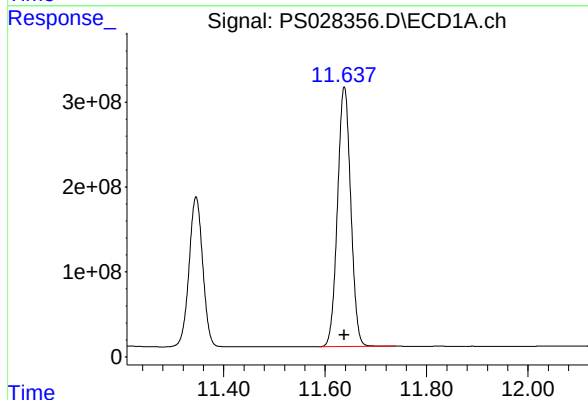
R.T.: 11.150 min  
Delta R.T.: 0.000 min  
Response: 6289996126  
Conc: 195.58 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC200



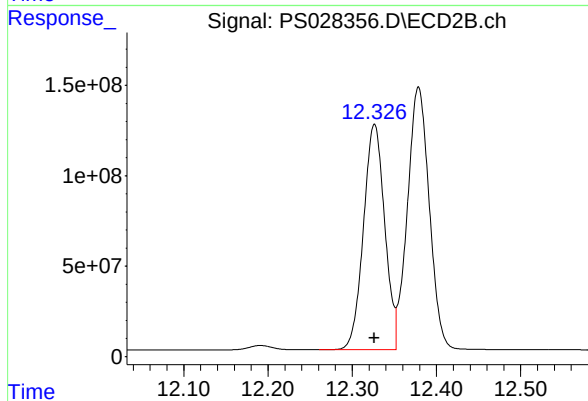
#15 Picloram

R.T.: 12.379 min  
Delta R.T.: 0.000 min  
Response: 2626991828  
Conc: 183.91 ng/ml



#16 DCPA

R.T.: 11.638 min  
Delta R.T.: 0.000 min  
Response: 5559410633  
Conc: 199.69 ng/ml



#16 DCPA

R.T.: 12.326 min  
Delta R.T.: 0.000 min  
Response: 2181146542  
Conc: 191.13 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028357.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 15:46  
 Operator : AR\AJ  
 Sample : HSTDICC500  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC500

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/11/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 16:42:36 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 16:40:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |        |        |           |           |          |         |
| System Monitoring Compounds |        |        |           |           |          |         |
| 4) S 2,4-DCAA               | 7.251  | 7.753  | 1370.2E6  | 788.0E6   | 498.788m | 496.979 |
| Target Compounds            |        |        |           |           |          |         |
| 1) T Dalapon                | 2.645  | 2.702  | 1582.7E6  | 1275.2E6  | 445.190  | 452.045 |
| 2) T 3,5-DICHL...           | 6.421  | 6.705  | 1902.5E6  | 1118.9E6  | 472.259  | 468.984 |
| 3) T 4-Nitroph...           | 7.051  | 7.280  | 963.6E6   | 569.3E6   | 494.651  | 504.695 |
| 5) T DICAMBA                | 7.440  | 7.955  | 5595.4E6  | 3310.9E6  | 464.895  | 460.013 |
| 6) T MCPP                   | 7.622  | 8.055  | 384.8E6   | 276.6E6   | 46.237   | 46.777  |
| 7) T MCPA                   | 7.772  | 8.300  | 536.1E6   | 370.5E6   | 46.896   | 46.572  |
| 8) T DICHLORPROP            | 8.151  | 8.672  | 1436.8E6  | 827.1E6   | 468.310  | 466.194 |
| 9) T 2,4-D                  | 8.382  | 9.003  | 1678.6E6  | 893.6E6   | 476.860  | 465.822 |
| 10) T Pentachlo...          | 8.682  | 9.533  | 22692.1E6 | 12126.5E6 | 476.373  | 475.863 |
| 11) T 2,4,5-TP ...          | 9.264  | 9.910  | 9016.6E6  | 5040.9E6  | 473.928  | 471.525 |
| 12) T 2,4,5-T               | 9.556  | 10.331 | 9232.6E6  | 4943.4E6  | 473.922  | 472.211 |
| 13) T 2,4-DB                | 10.132 | 10.898 | 1437.9E6  | 611.4E6   | 469.887  | 466.218 |
| 14) T DINOSEB               | 11.348 | 11.278 | 7684.1E6  | 3382.0E6  | 470.583  | 468.006 |
| 15) T Picloram              | 11.153 | 12.378 | 14946.2E6 | 6738.5E6  | 471.666  | 464.296 |
| 16) T DCPA                  | 11.640 | 12.325 | 13258.0E6 | 5501.2E6  | 485.938  | 480.983 |
| -----                       |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028357.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 15:46  
Operator : AR\AJ  
Sample : HSTDICC500  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC500

## Manual Integrations

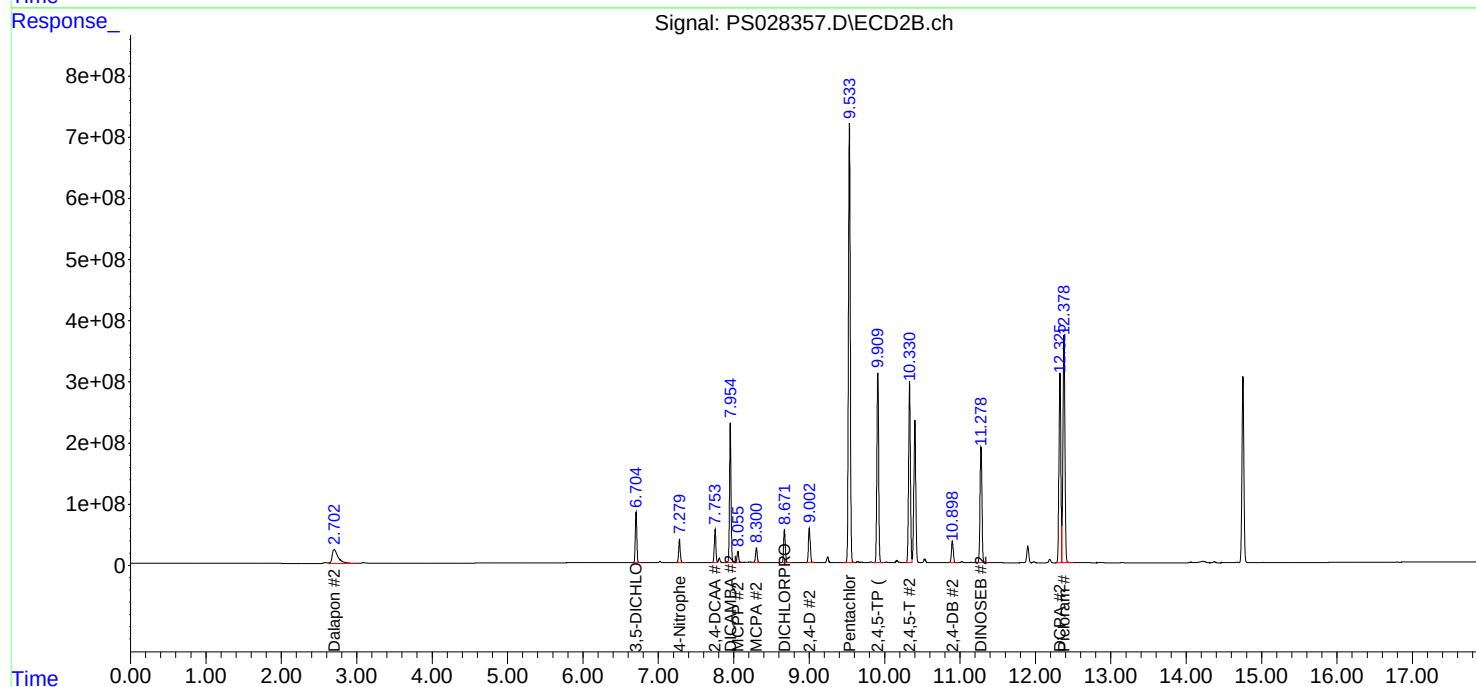
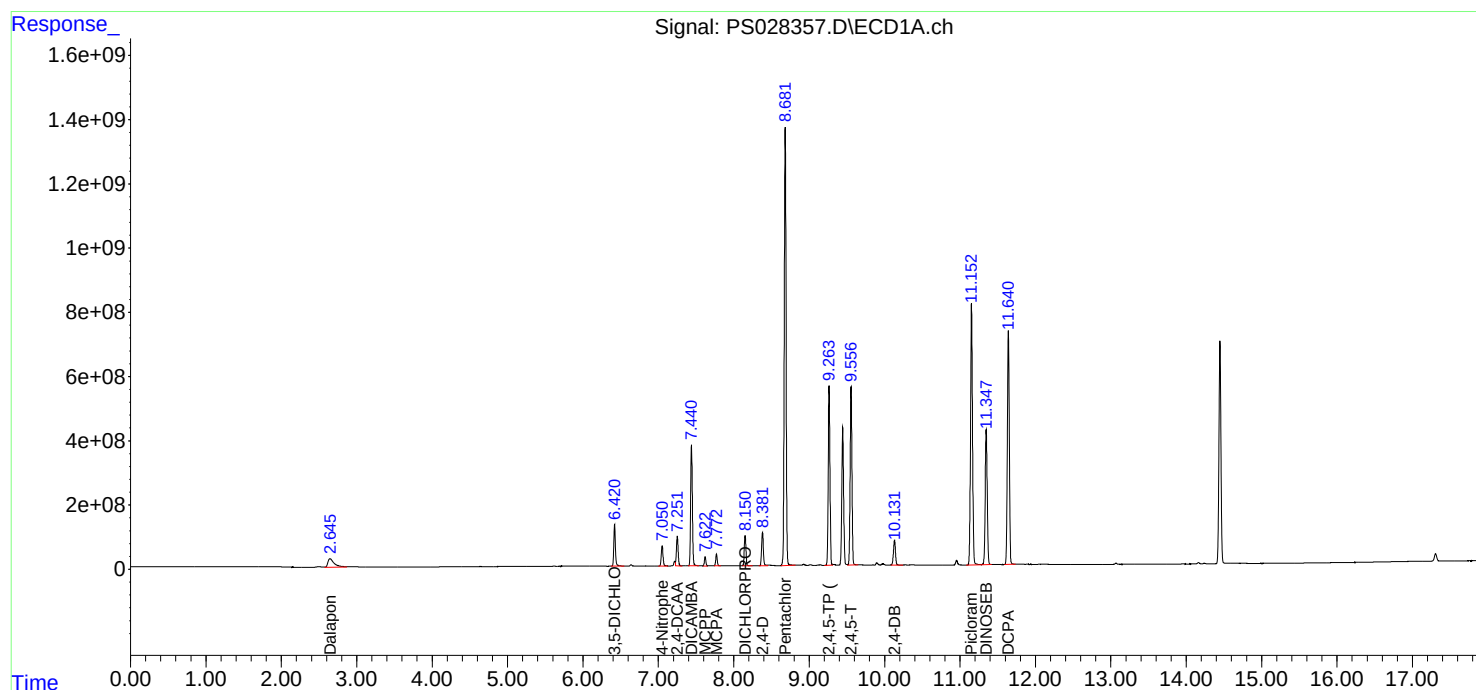
## APPROVED

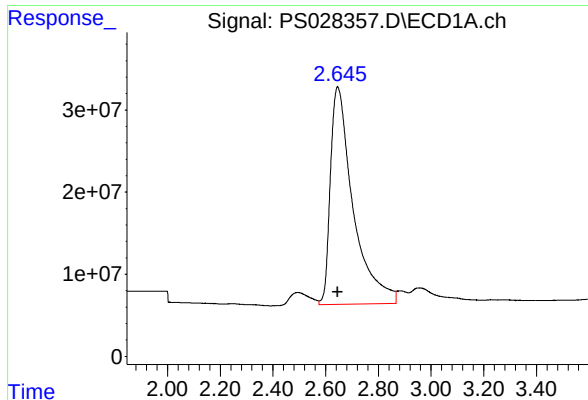
Reviewed By :Abdul Mirza 11/11/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 16:42:36 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 16:40:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





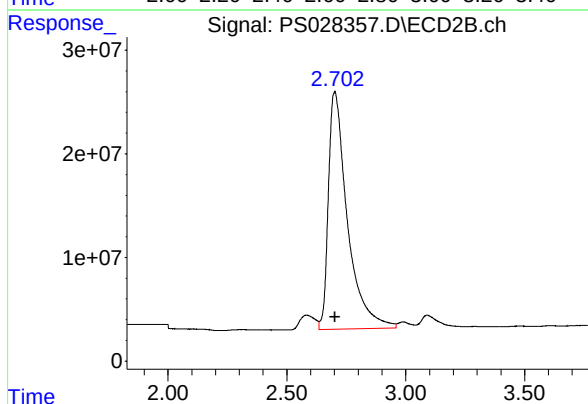
#1 Dalapon

R.T.: 2.645 min  
Delta R.T.: 0.000 min  
Response: 1582736772  
Conc: 445.19 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

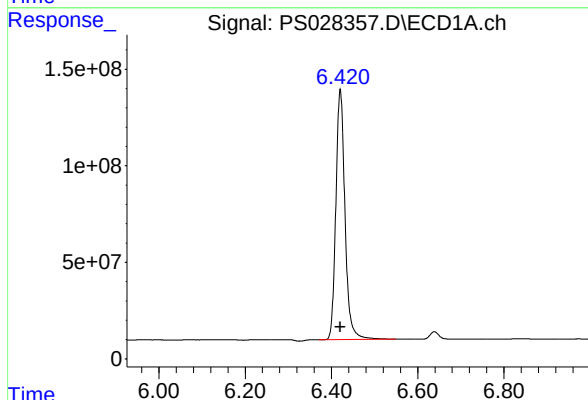
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



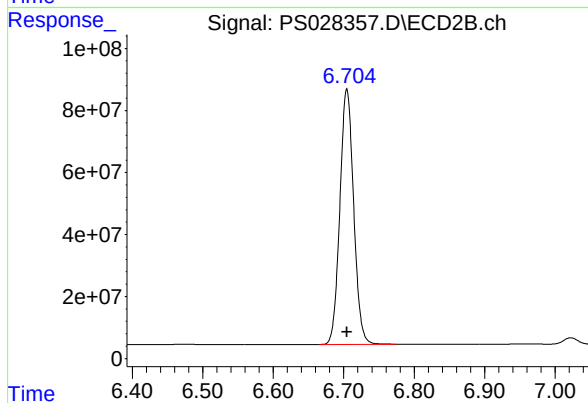
#1 Dalapon

R.T.: 2.702 min  
Delta R.T.: 0.000 min  
Response: 1275197726  
Conc: 452.04 ng/ml



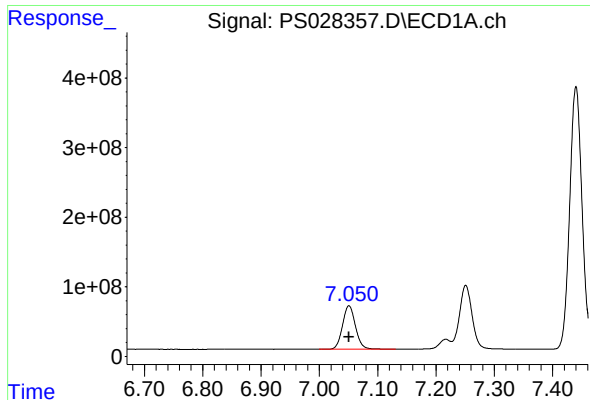
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.421 min  
Delta R.T.: 0.000 min  
Response: 1902454598  
Conc: 472.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min  
Delta R.T.: 0.000 min  
Response: 1118919375  
Conc: 468.98 ng/ml



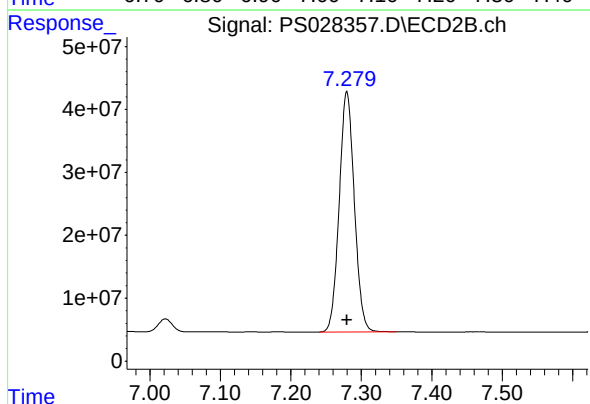
## #3 4-Nitrophenol

R.T.: 7.051 min  
Delta R.T.: 0.000 min  
Response: 963644461  
Conc: 494.65 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

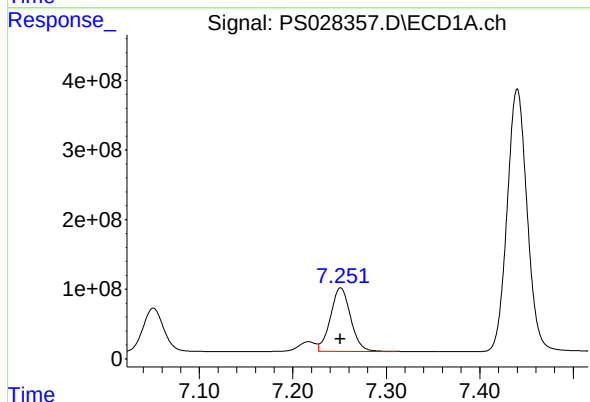
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



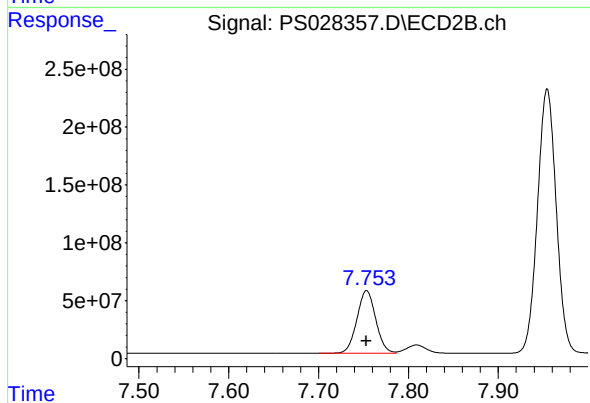
## #3 4-Nitrophenol

R.T.: 7.280 min  
Delta R.T.: 0.000 min  
Response: 569264065  
Conc: 504.70 ng/ml



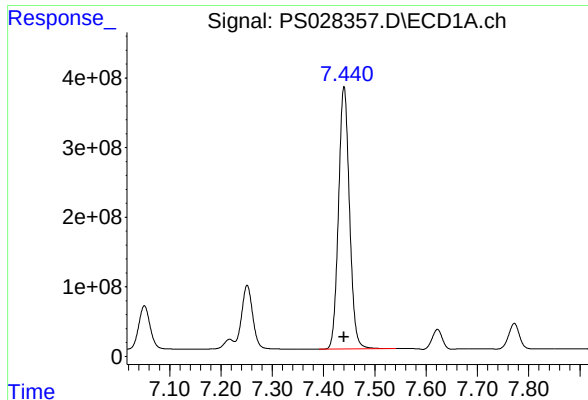
## #4 2,4-DCAA

R.T.: 7.251 min  
Delta R.T.: 0.000 min  
Response: 1370212701  
Conc: 498.79 ng/ml m



## #4 2,4-DCAA

R.T.: 7.753 min  
Delta R.T.: 0.000 min  
Response: 787993351  
Conc: 496.98 ng/ml



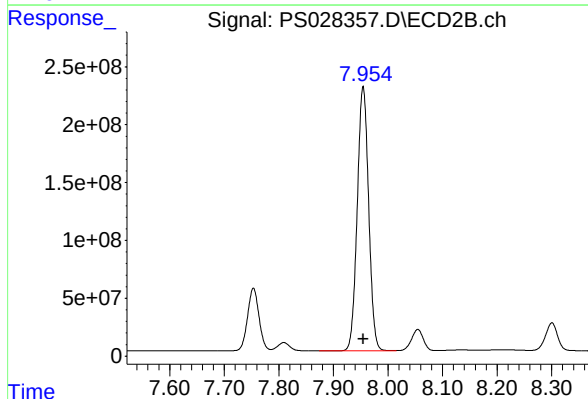
#5 DICAMBA

R.T.: 7.440 min  
Delta R.T.: 0.000 min  
Response: 5595381742  
Conc: 464.90 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

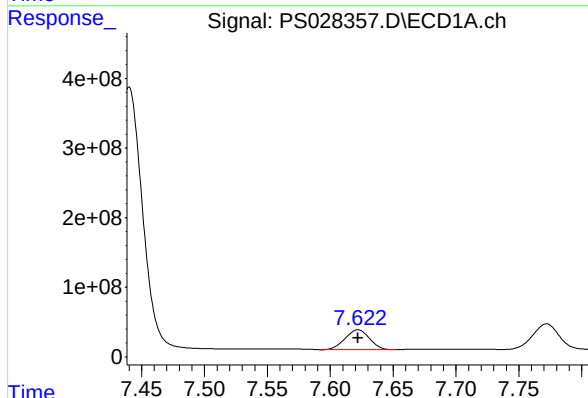
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



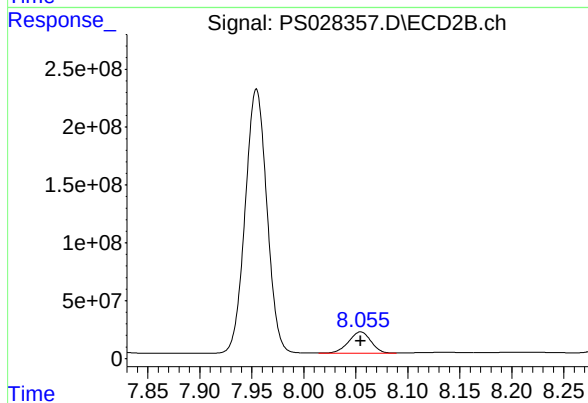
#5 DICAMBA

R.T.: 7.955 min  
Delta R.T.: 0.000 min  
Response: 3310904271  
Conc: 460.01 ng/ml



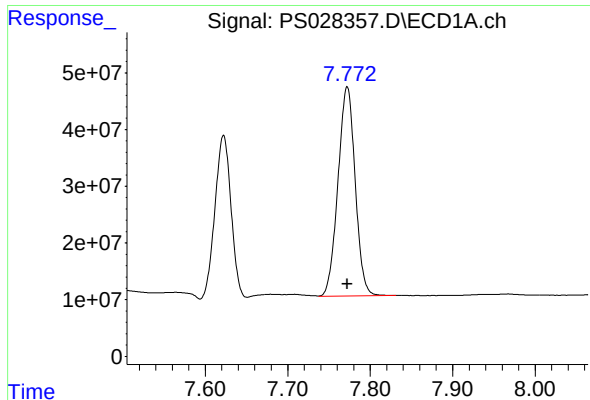
#6 MCPP

R.T.: 7.622 min  
Delta R.T.: 0.000 min  
Response: 384795284  
Conc: 46.24 ug/ml



#6 MCPP

R.T.: 8.055 min  
Delta R.T.: 0.000 min  
Response: 276561932  
Conc: 46.78 ug/ml



#7 MCPA

R.T.: 7.772 min  
Delta R.T.: 0.000 min  
Response: 536091500  
Conc: 46.90 ug/ml

Instrument :

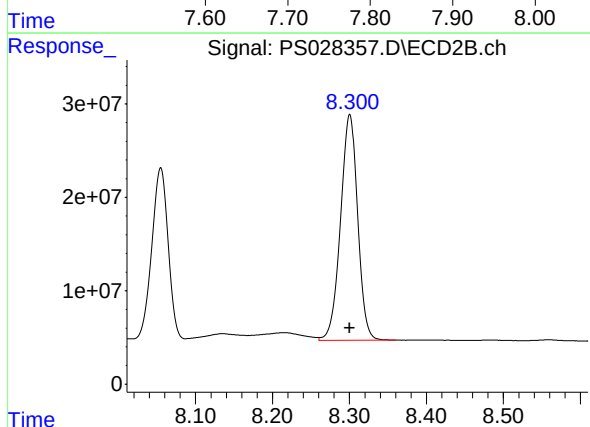
ECD\_S

ClientSampleId :

HSTDICC500

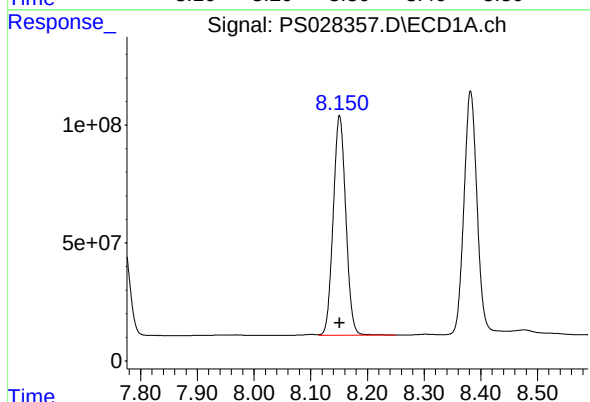
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



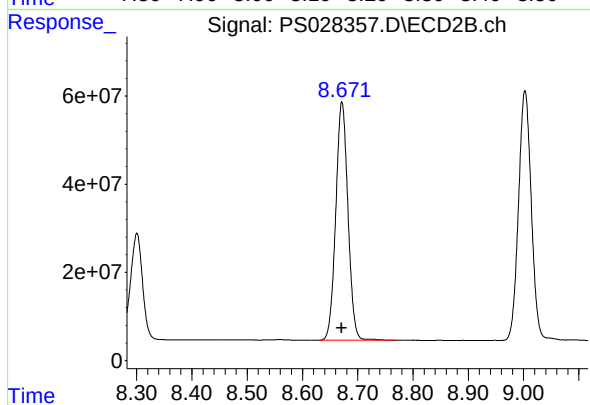
#7 MCPA

R.T.: 8.300 min  
Delta R.T.: 0.000 min  
Response: 370513503  
Conc: 46.57 ug/ml



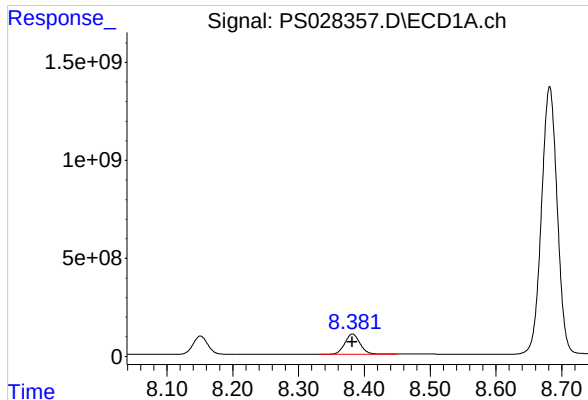
#8 DICHLORPROP

R.T.: 8.151 min  
Delta R.T.: 0.000 min  
Response: 1436761675  
Conc: 468.31 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min  
Delta R.T.: 0.000 min  
Response: 827107156  
Conc: 466.19 ng/ml



#9 2,4-D

R.T.: 8.382 min  
Delta R.T.: 0.000 min  
Response: 1678583758  
Conc: 476.86 ng/ml

Instrument :

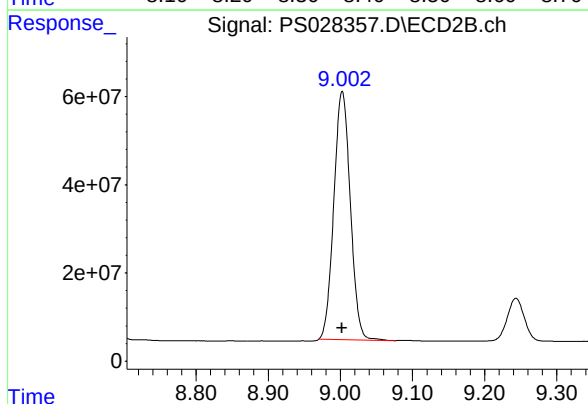
ECD\_S

ClientSampleId :

HSTDICC500

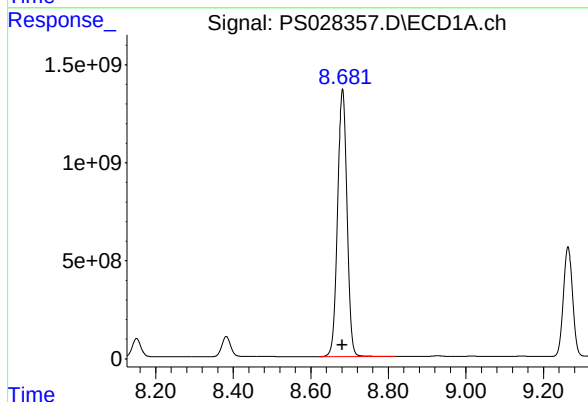
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



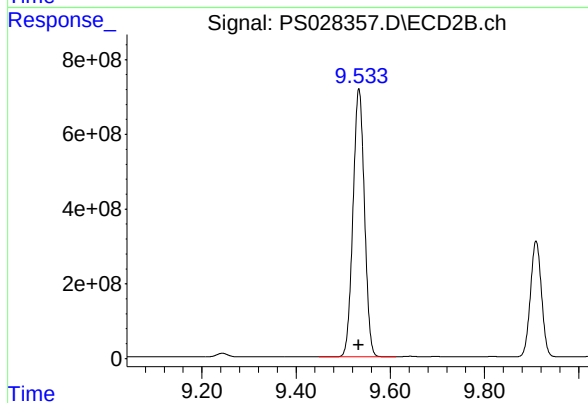
#9 2,4-D

R.T.: 9.003 min  
Delta R.T.: 0.000 min  
Response: 893562846  
Conc: 465.82 ng/ml



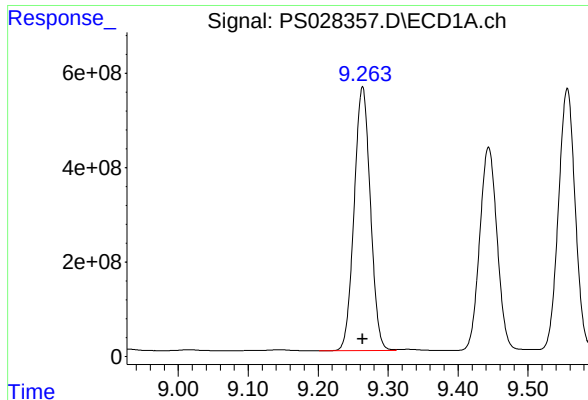
#10 Pentachlorophenol

R.T.: 8.682 min  
Delta R.T.: 0.000 min  
Response: 22692098283  
Conc: 476.37 ng/ml



#10 Pentachlorophenol

R.T.: 9.533 min  
Delta R.T.: 0.000 min  
Response: 12126455334  
Conc: 475.86 ng/ml



#11 2,4,5-TP (SILVEX)

R.T.: 9.264 min  
Delta R.T.: 0.000 min  
Response: 9016585163  
Conc: 473.93 ng/ml

Instrument :

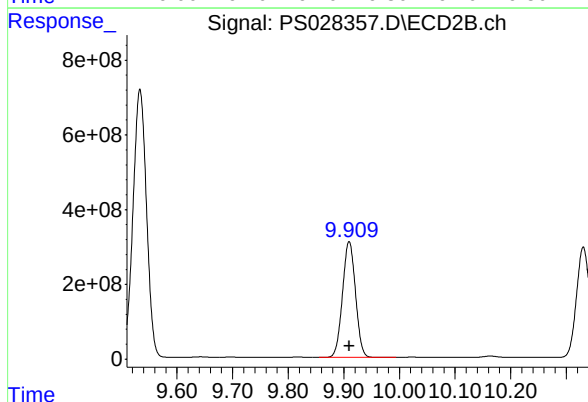
ECD\_S

ClientSampleId :

HSTDICC500

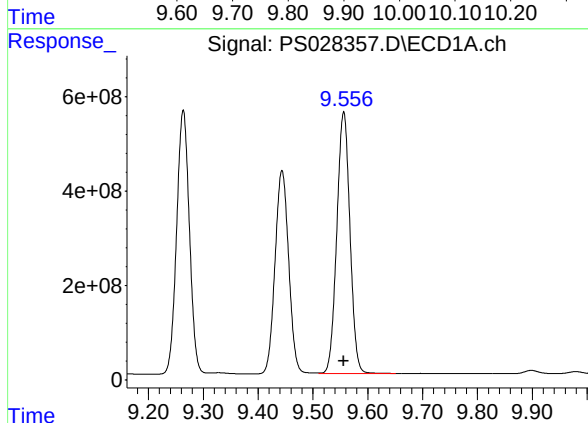
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



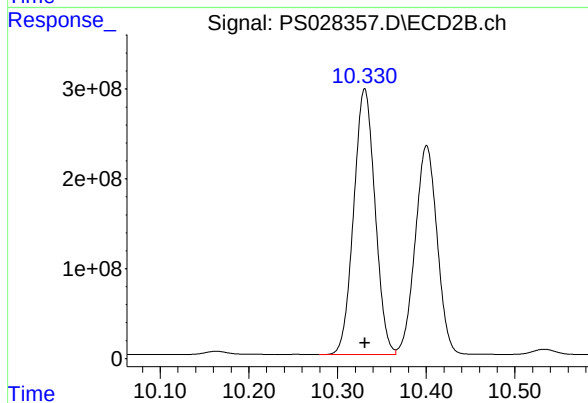
#11 2,4,5-TP (SILVEX)

R.T.: 9.910 min  
Delta R.T.: 0.000 min  
Response: 5040861543  
Conc: 471.53 ng/ml



#12 2,4,5-T

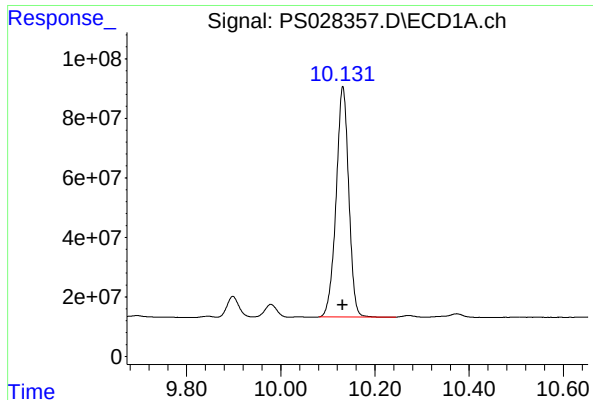
R.T.: 9.556 min  
Delta R.T.: 0.000 min  
Response: 9232566770  
Conc: 473.92 ng/ml



#12 2,4,5-T

R.T.: 10.331 min  
Delta R.T.: 0.000 min  
Response: 4943449118  
Conc: 472.21 ng/ml





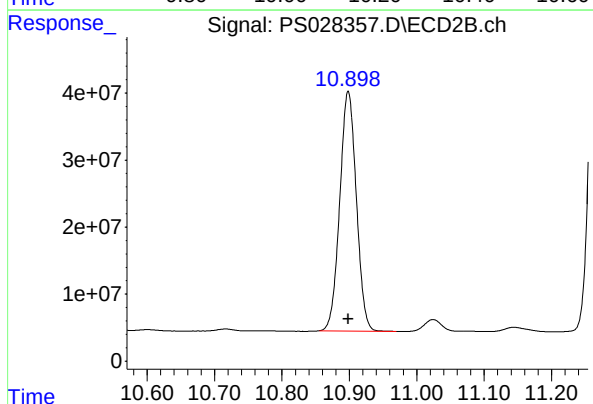
#13 2,4-DB

R.T.: 10.132 min  
Delta R.T.: 0.000 min  
Response: 1437933834  
Conc: 469.89 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

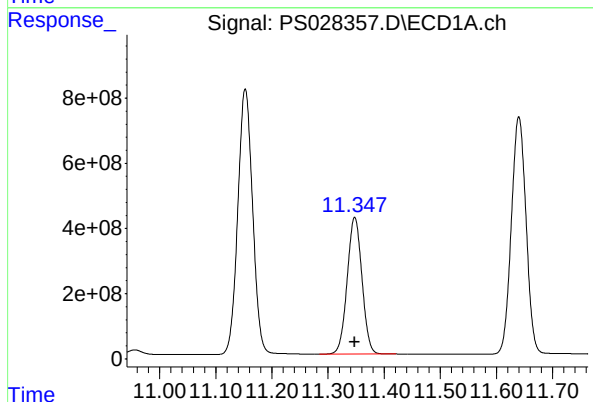
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



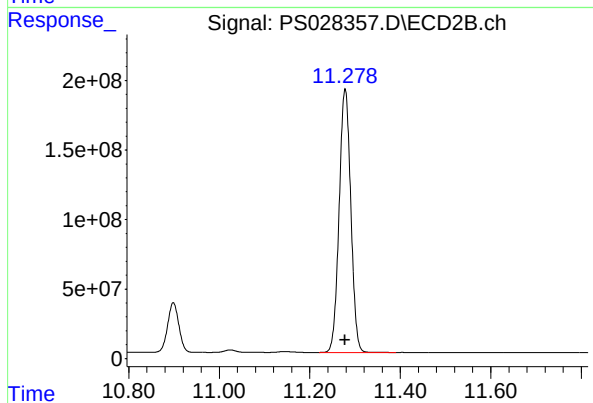
#13 2,4-DB

R.T.: 10.898 min  
Delta R.T.: 0.000 min  
Response: 611411430  
Conc: 466.22 ng/ml



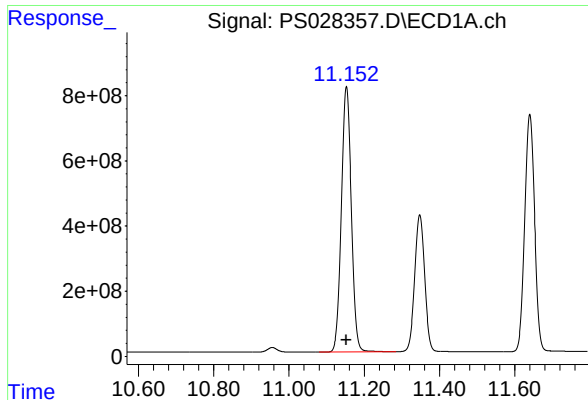
#14 DINOSEB

R.T.: 11.348 min  
Delta R.T.: 0.000 min  
Response: 7684071752  
Conc: 470.58 ng/ml



#14 DINOSEB

R.T.: 11.278 min  
Delta R.T.: 0.000 min  
Response: 3381976768  
Conc: 468.01 ng/ml



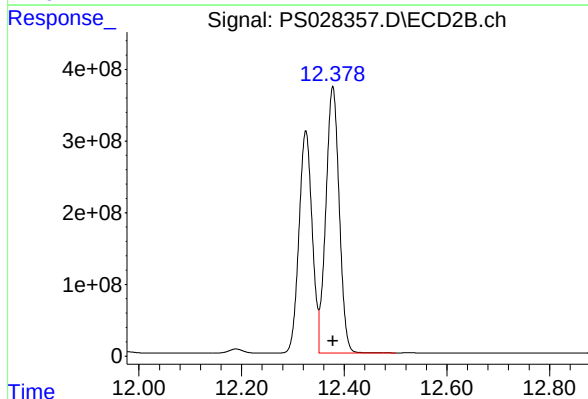
#15 Picloram

R.T.: 11.153 min  
Delta R.T.: 0.000 min  
Response: 14946167056  
Conc: 471.67 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

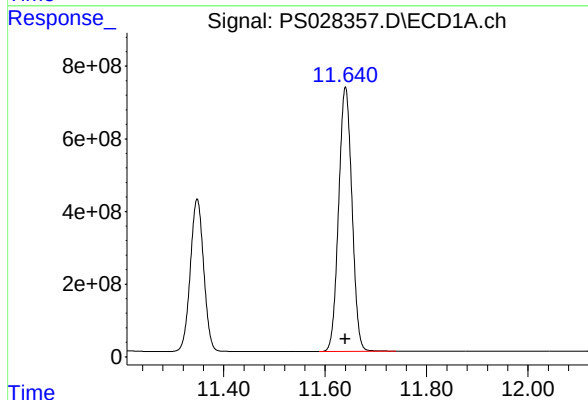
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/11/2024  
Supervised By :Ankita Jodhani 11/12/2024



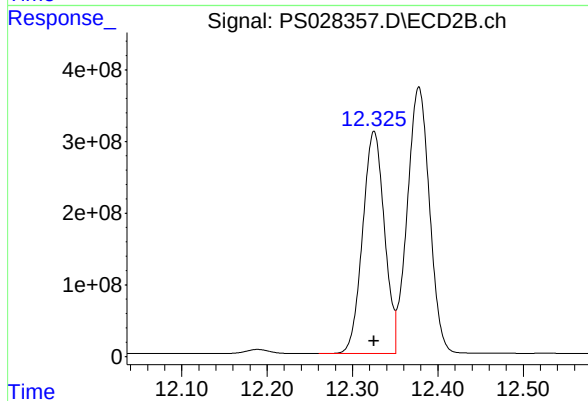
#15 Picloram

R.T.: 12.378 min  
Delta R.T.: 0.000 min  
Response: 6738470642  
Conc: 464.30 ng/ml



#16 DCPA

R.T.: 11.640 min  
Delta R.T.: 0.000 min  
Response: 13258005498  
Conc: 485.94 ng/ml



#16 DCPA

R.T.: 12.325 min  
Delta R.T.: 0.000 min  
Response: 5501163130  
Conc: 480.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028358.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 16:10  
 Operator : AR\AJ  
 Sample : HSTDICC750  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC750

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 16:40:21 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 16:40:02 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|---------|
| -----                       |              |        |        |           |           |         |         |
| System Monitoring Compounds |              |        |        |           |           |         |         |
| 4) S                        | 2,4-DCAA     | 7.250  | 7.755  | 2051.6E6  | 1196.4E6  | 750.000 | 750.000 |
| Target Compounds            |              |        |        |           |           |         |         |
| 1) T                        | Dalapon      | 2.648  | 2.706  | 2478.7E6  | 1937.8E6  | 682.500 | 682.500 |
| 2) T                        | 3,5-DICHL... | 6.419  | 6.707  | 2766.0E6  | 1649.9E6  | 697.500 | 697.500 |
| 3) T                        | 4-Nitroph... | 7.049  | 7.281  | 1213.7E6  | 685.7E6   | 682.500 | 682.500 |
| 5) T                        | DICAMBA      | 7.438  | 7.956  | 8577.4E6  | 5182.0E6  | 705.000 | 705.000 |
| 6) T                        | MCPD         | 7.622  | 8.059  | 596.2E6   | 418.8E6   | 70.500  | 70.500  |
| 7) T                        | MCPA         | 7.772  | 8.305  | 790.6E6   | 554.1E6   | 69.750  | 69.750  |
| 8) T                        | DICHLORPROP  | 8.148  | 8.673  | 2170.7E6  | 1260.9E6  | 705.000 | 705.000 |
| 9) T                        | 2,4-D        | 8.379  | 9.005  | 2445.4E6  | 1364.4E6  | 705.000 | 705.000 |
| 10) T                       | Pentachlo... | 8.679  | 9.535  | 33841.9E6 | 18123.7E6 | 712.500 | 712.500 |
| 11) T                       | 2,4,5-TP ... | 9.260  | 9.911  | 13586.0E6 | 7672.7E6  | 712.500 | 712.500 |
| 12) T                       | 2,4,5-T      | 9.552  | 10.333 | 13911.9E6 | 7502.8E6  | 712.500 | 712.500 |
| 13) T                       | 2,4-DB       | 10.129 | 10.900 | 2203.8E6  | 951.7E6   | 712.500 | 712.500 |
| 14) T                       | DINOSEB      | 11.345 | 11.280 | 11497.6E6 | 5116.2E6  | 705.000 | 705.000 |
| 15) T                       | Picloram     | 11.150 | 12.379 | 22736.2E6 | 10573.8E6 | 712.500 | 712.500 |
| 16) T                       | DCPA         | 11.637 | 12.326 | 19401.0E6 | 8218.0E6  | 720.000 | 720.000 |
| -----                       |              |        |        |           |           |         |         |

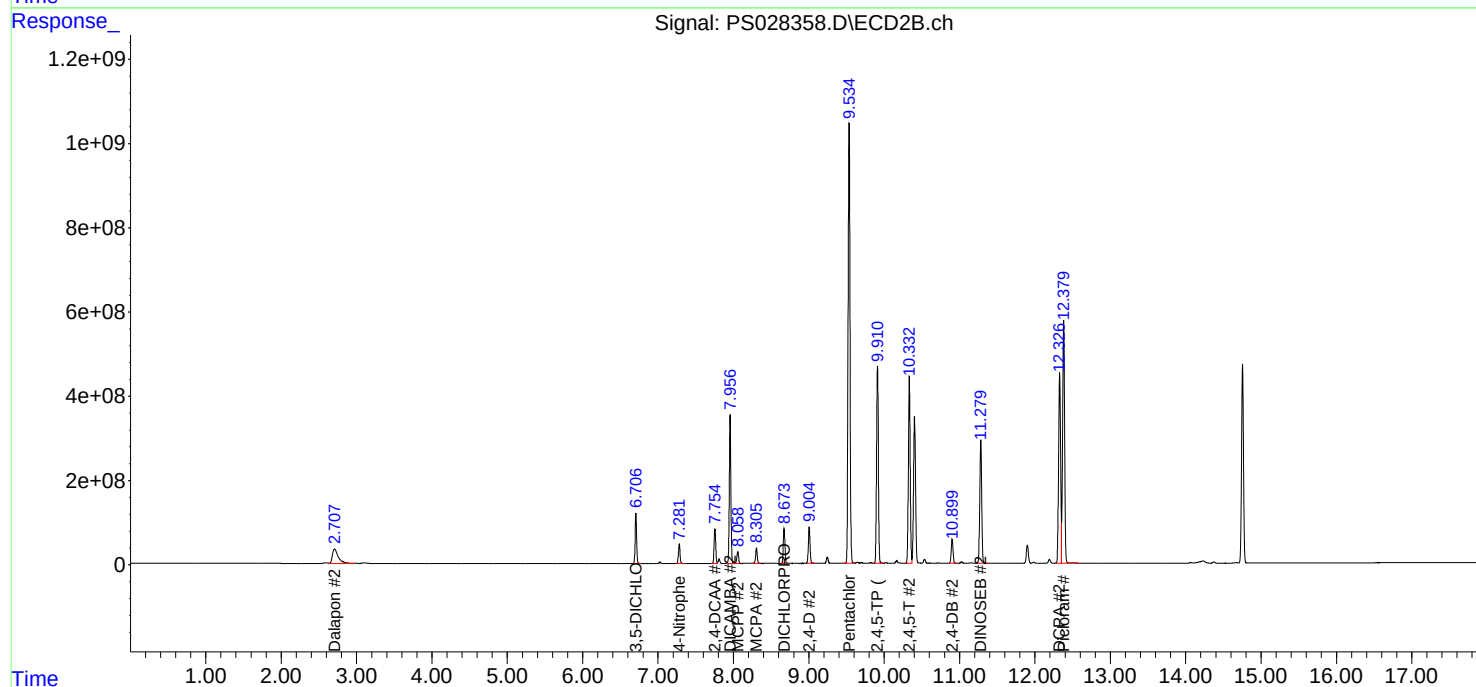
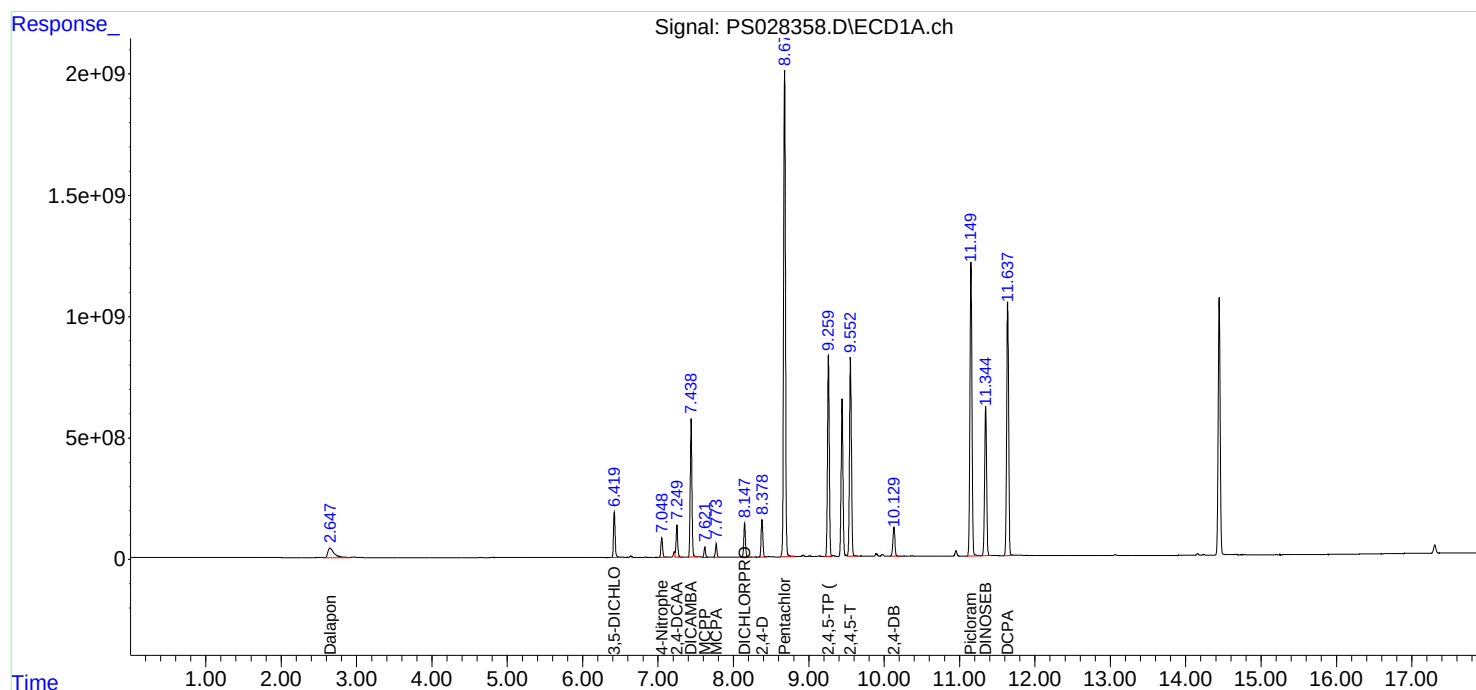
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

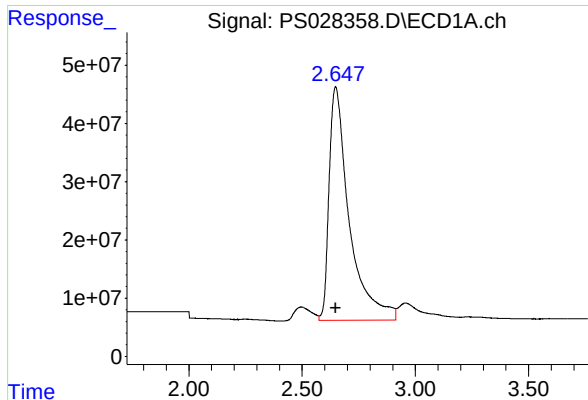
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028358.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 16:10  
Operator : AR\AJ  
Sample : HSTDICC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 16:40:21 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 16:40:02 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

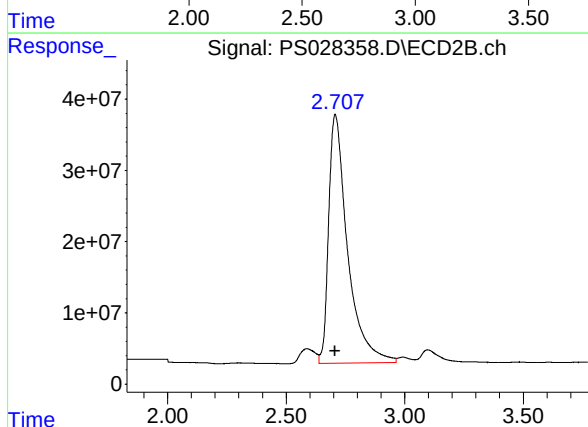




#1 Dalapon

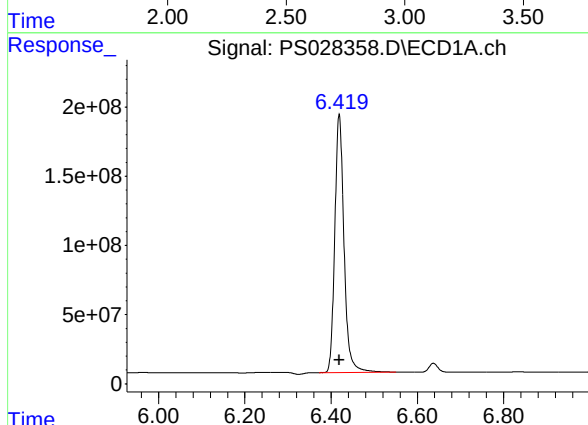
R.T.: 2.648 min  
Delta R.T.: 0.000 min  
Response: 2478734864  
Conc: 682.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



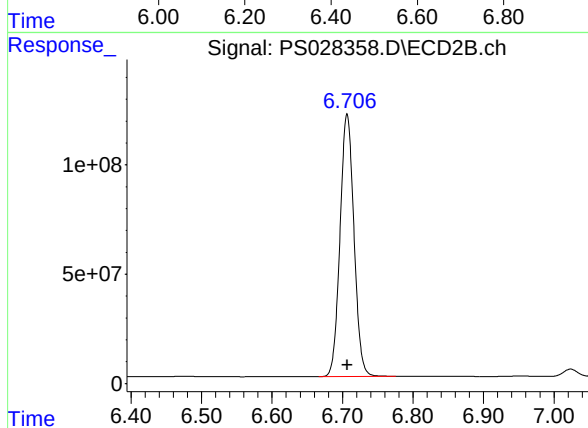
#1 Dalapon

R.T.: 2.706 min  
Delta R.T.: 0.000 min  
Response: 1937807204  
Conc: 682.50 ng/ml



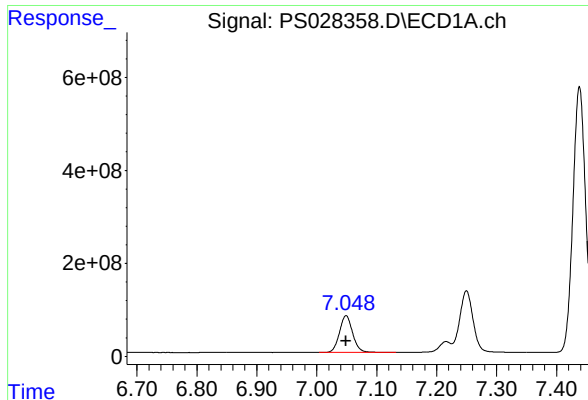
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min  
Delta R.T.: 0.000 min  
Response: 2765952466  
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

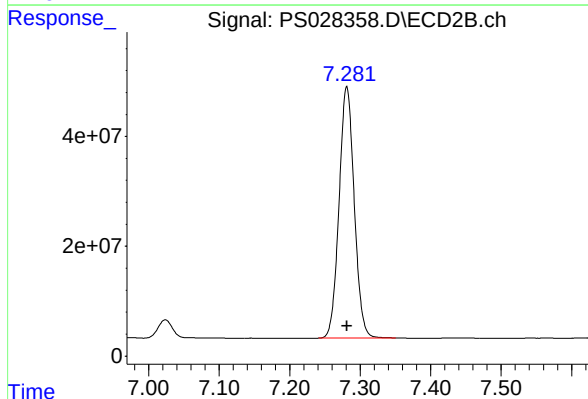
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 1649864570  
Conc: 697.50 ng/ml



## #3 4-Nitrophenol

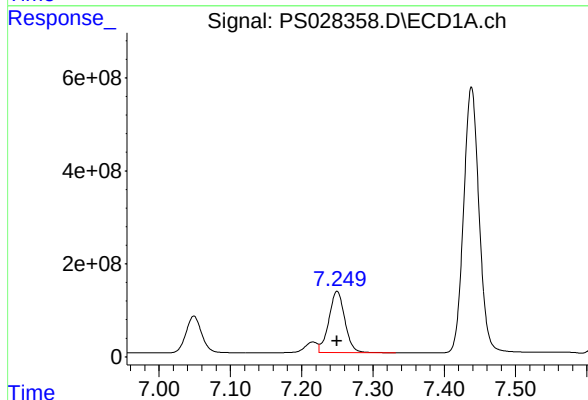
R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 1213730826  
Conc: 682.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



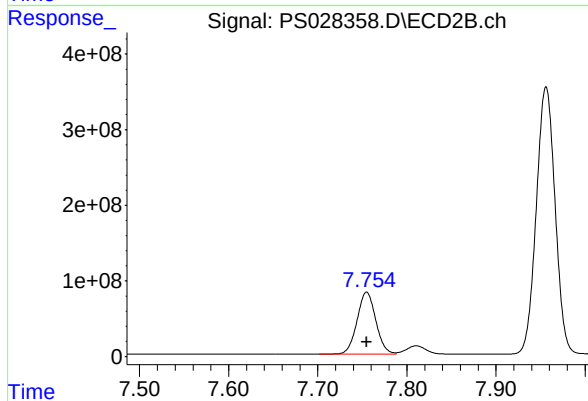
## #3 4-Nitrophenol

R.T.: 7.281 min  
Delta R.T.: 0.000 min  
Response: 685736847  
Conc: 682.50 ng/ml



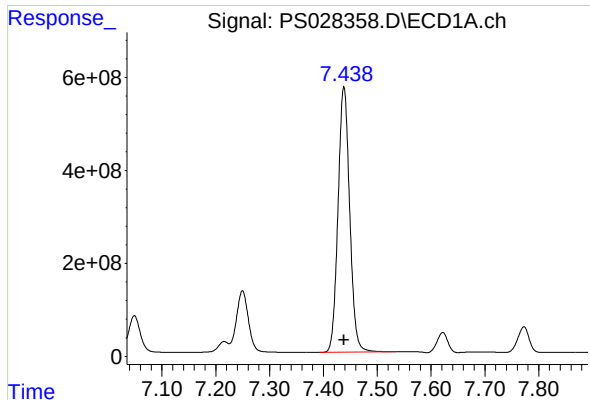
## #4 2,4-DCAA

R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 2051638110  
Conc: 750.00 ng/ml



## #4 2,4-DCAA

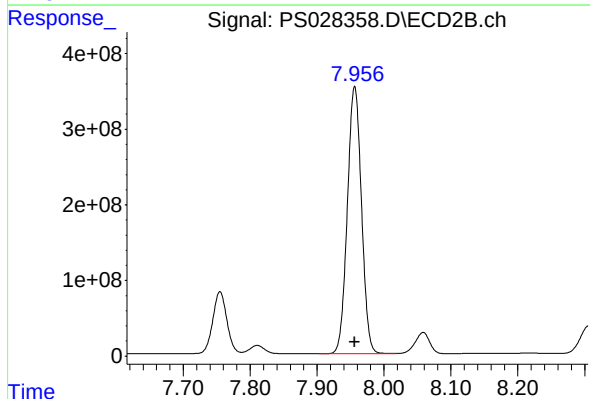
R.T.: 7.755 min  
Delta R.T.: 0.000 min  
Response: 1196360410  
Conc: 750.00 ng/ml



#5 DICAMBA

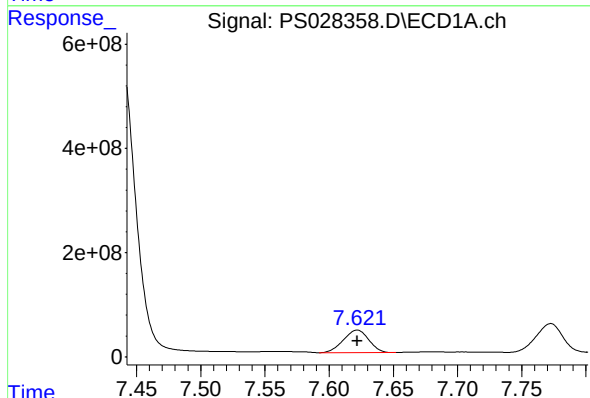
R.T.: 7.438 min  
Delta R.T.: 0.000 min  
Response: 8577395807  
Conc: 705.00 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



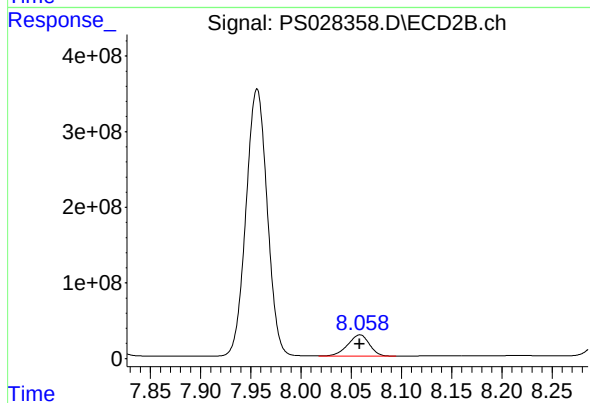
#5 DICAMBA

R.T.: 7.956 min  
Delta R.T.: 0.000 min  
Response: 5181997777  
Conc: 705.00 ng/ml



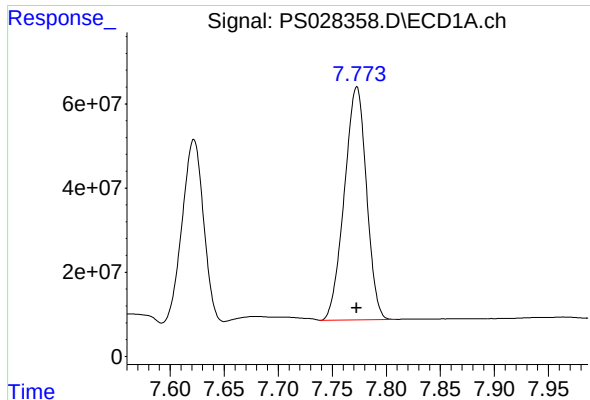
#6 MCPP

R.T.: 7.622 min  
Delta R.T.: 0.000 min  
Response: 596244632  
Conc: 70.50 ug/ml



#6 MCPP

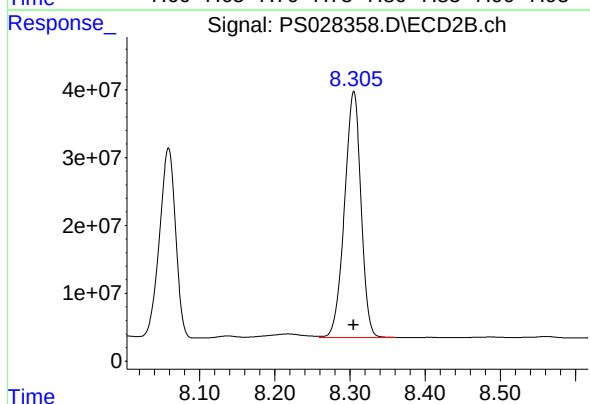
R.T.: 8.059 min  
Delta R.T.: 0.000 min  
Response: 418796501  
Conc: 70.50 ug/ml



#7 MCPA

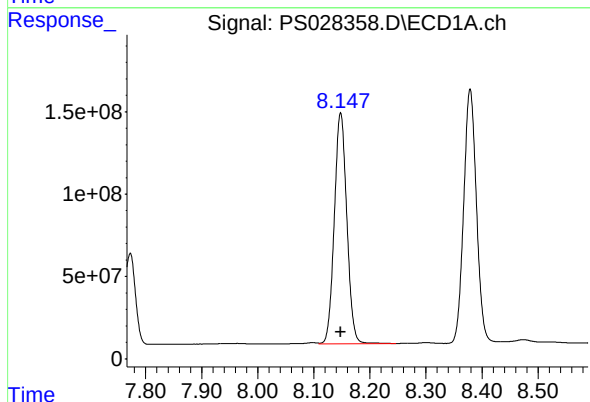
R.T.: 7.772 min  
Delta R.T.: 0.000 min  
Response: 790570796  
Conc: 69.75 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



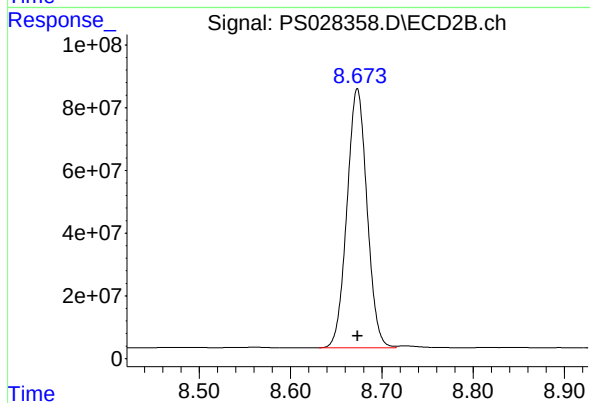
#7 MCPA

R.T.: 8.305 min  
Delta R.T.: 0.000 min  
Response: 554057024  
Conc: 69.75 ug/ml



#8 DICHLORPROP

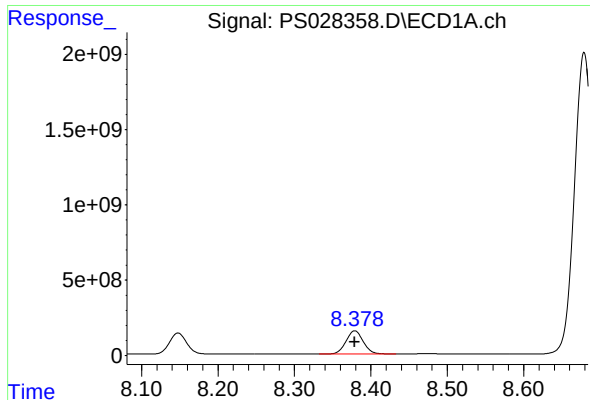
R.T.: 8.148 min  
Delta R.T.: 0.000 min  
Response: 2170692920  
Conc: 705.00 ng/ml



#8 DICHLORPROP

R.T.: 8.673 min  
Delta R.T.: 0.000 min  
Response: 1260917920  
Conc: 705.00 ng/ml

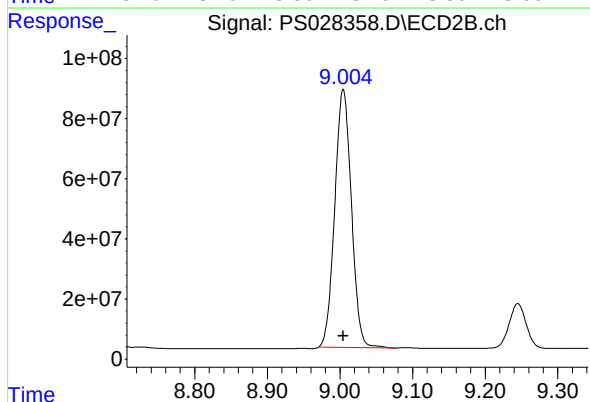




#9 2,4-D

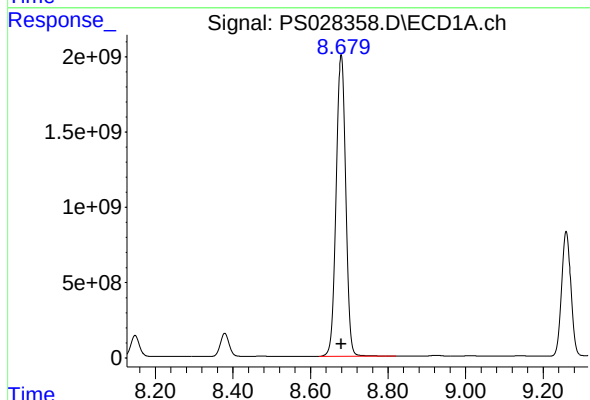
R.T.: 8.379 min  
Delta R.T.: 0.000 min  
Response: 2445427735  
Conc: 705.00 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



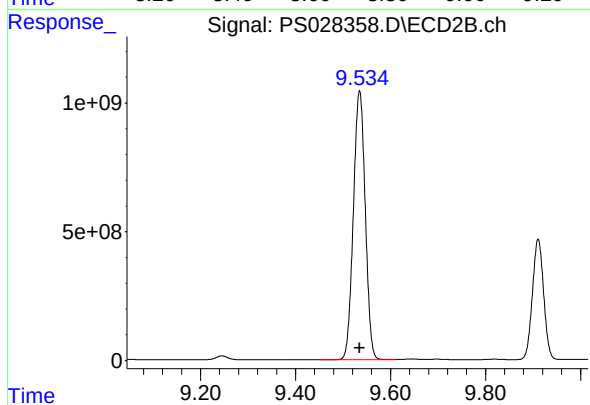
#9 2,4-D

R.T.: 9.005 min  
Delta R.T.: 0.000 min  
Response: 1364386466  
Conc: 705.00 ng/ml



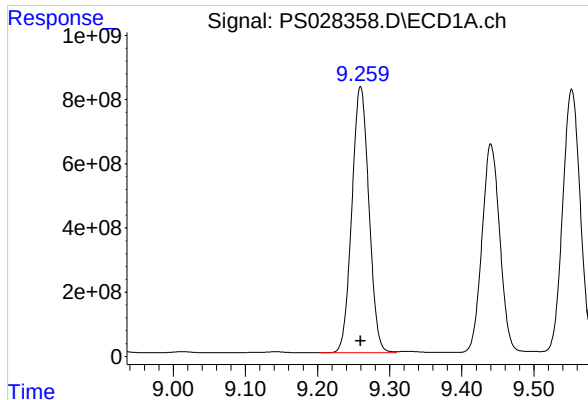
#10 Pentachlorophenol

R.T.: 8.679 min  
Delta R.T.: 0.000 min  
Response: 33841938333  
Conc: 712.50 ng/ml



#10 Pentachlorophenol

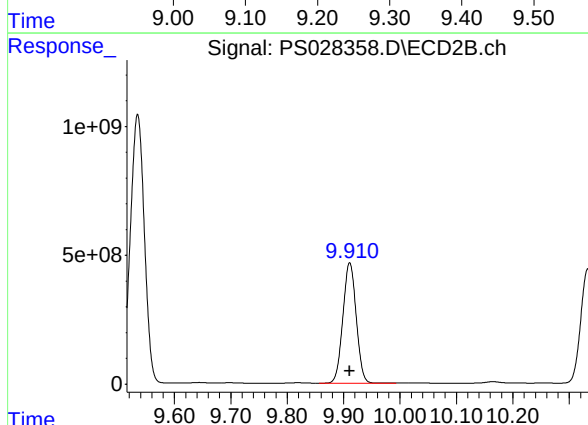
R.T.: 9.535 min  
Delta R.T.: 0.000 min  
Response: 18123675777  
Conc: 712.50 ng/ml



#11 2,4,5-TP (SILVEX)

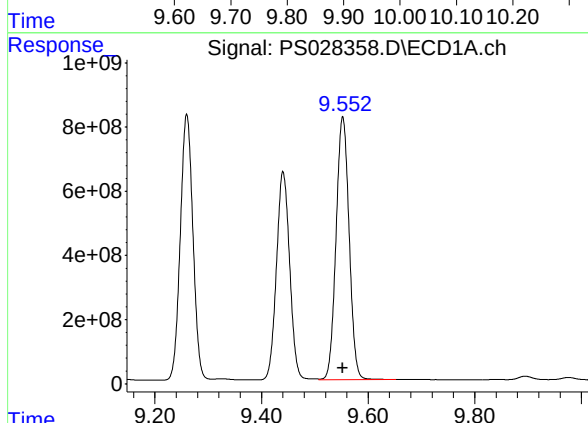
R.T.: 9.260 min  
Delta R.T.: 0.000 min  
Response: 13586045685  
Conc: 712.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



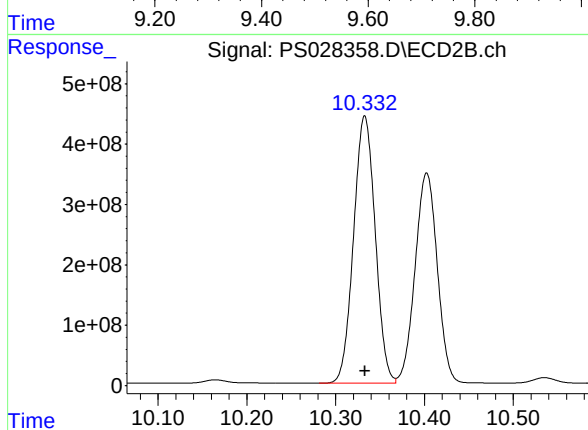
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min  
Delta R.T.: 0.000 min  
Response: 7672728590  
Conc: 712.50 ng/ml



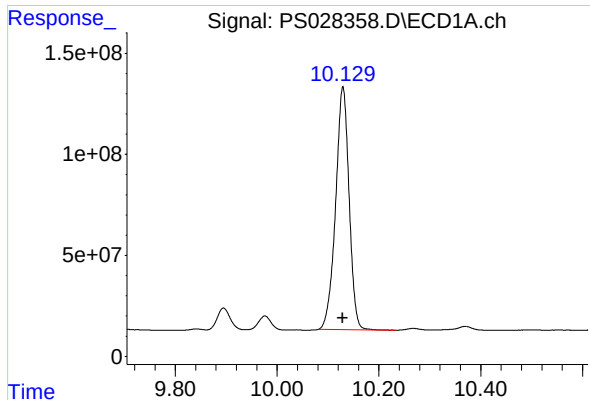
#12 2,4,5-T

R.T.: 9.552 min  
Delta R.T.: 0.000 min  
Response: 13911872588  
Conc: 712.50 ng/ml



#12 2,4,5-T

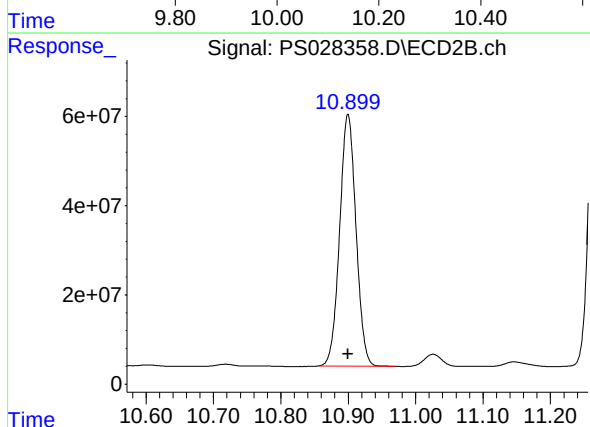
R.T.: 10.333 min  
Delta R.T.: 0.000 min  
Response: 7502752928  
Conc: 712.50 ng/ml



#13 2,4-DB

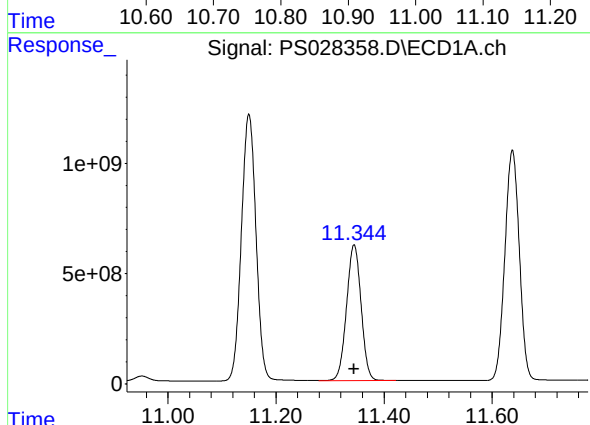
R.T.: 10.129 min  
Delta R.T.: 0.000 min  
Response: 2203843043  
Conc: 712.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



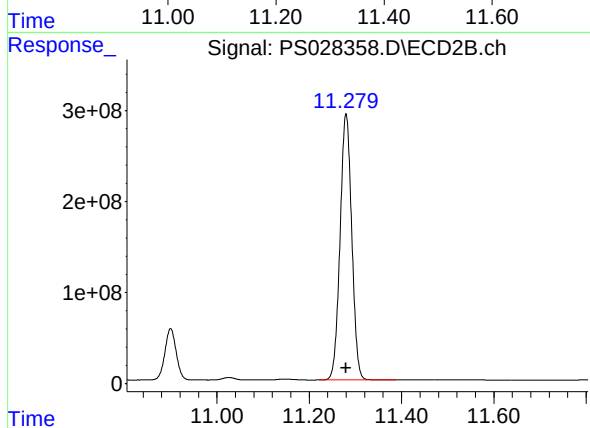
#13 2,4-DB

R.T.: 10.900 min  
Delta R.T.: 0.000 min  
Response: 951668098  
Conc: 712.50 ng/ml



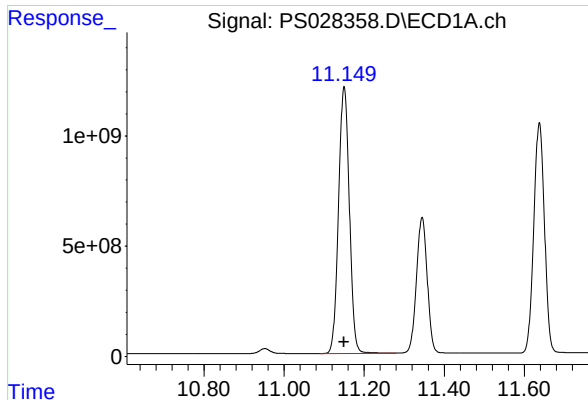
#14 DINOSEB

R.T.: 11.345 min  
Delta R.T.: 0.000 min  
Response: 11497551761  
Conc: 705.00 ng/ml



#14 DINOSEB

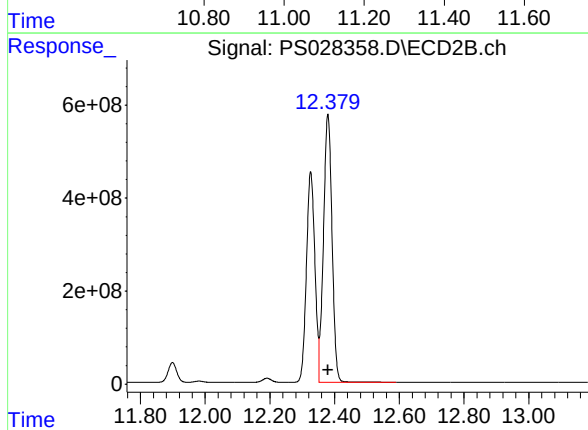
R.T.: 11.280 min  
Delta R.T.: 0.000 min  
Response: 5116201835  
Conc: 705.00 ng/ml



#15 Picloram

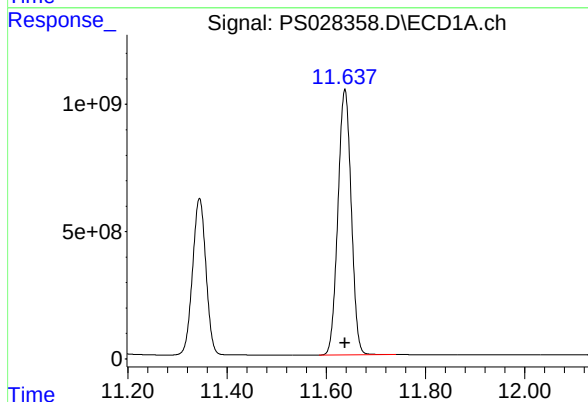
R.T.: 11.150 min  
Delta R.T.: 0.000 min  
Response: 22736176114  
Conc: 712.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC750



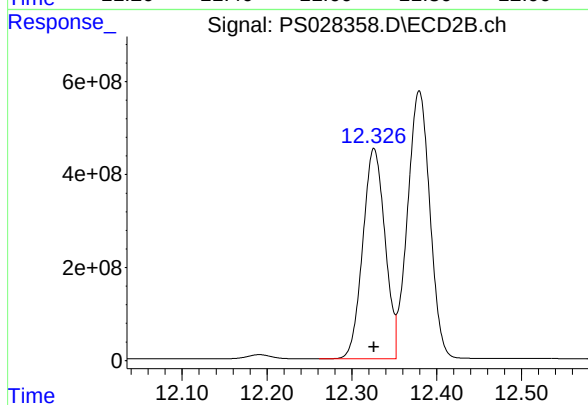
#15 Picloram

R.T.: 12.379 min  
Delta R.T.: 0.000 min  
Response: 10573752786  
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.637 min  
Delta R.T.: 0.000 min  
Response: 19400961818  
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.326 min  
Delta R.T.: 0.000 min  
Response: 8218014904  
Conc: 720.00 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028359.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 16:34  
 Operator : AR\AJ  
 Sample : HSTDICC1000  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC1000

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 16:51:21 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 16:51:13 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|---------|
| -----                       |              |        |        |           |           |         |         |
| System Monitoring Compounds |              |        |        |           |           |         |         |
| 4) S                        | 2,4-DCAA     | 7.250  | 7.756  | 2619.7E6  | 1561.0E6  | 927.932 | 971.593 |
| Target Compounds            |              |        |        |           |           |         |         |
| 1) T                        | Dalapon      | 2.648  | 2.707  | 3270.7E6  | 2544.1E6  | 920.121 | 894.482 |
| 2) T                        | 3,5-DICHL... | 6.419  | 6.707  | 3538.2E6  | 2155.4E6  | 865.823 | 902.072 |
| 3) T                        | 4-Nitroph... | 7.049  | 7.282  | 1574.2E6  | 890.6E6   | 831.961 | 823.047 |
| 5) T                        | DICAMBA      | 7.439  | 7.957  | 11074.0E6 | 6814.9E6  | 907.189 | 950.556 |
| 6) T                        | MCPD         | 7.624  | 8.061  | 799.7E6   | 554.7E6   | 99.240  | 94.640  |
| 7) T                        | MCPA         | 7.775  | 8.307  | 1044.3E6  | 728.3E6   | 93.295  | 90.284  |
| 8) T                        | DICHLORPROP  | 8.149  | 8.674  | 2780.0E6  | 1649.5E6  | 879.003 | 920.573 |
| 9) T                        | 2,4-D        | 8.380  | 9.005  | 3134.4E6  | 1786.2E6  | 872.338 | 917.357 |
| 10) T                       | Pentachlo... | 8.680  | 9.535  | 41014.3E6 | 23096.9E6 | 857.444 | 909.236 |
| 11) T                       | 2,4,5-TP ... | 9.260  | 9.912  | 17354.1E6 | 9954.9E6  | 897.710 | 929.706 |
| 12) T                       | 2,4,5-T      | 9.553  | 10.333 | 17770.3E6 | 9733.3E6  | 897.521 | 927.738 |
| 13) T                       | 2,4-DB       | 10.130 | 10.900 | 2871.3E6  | 1257.6E6  | 919.198 | 949.434 |
| 14) T                       | DINOSEB      | 11.345 | 11.280 | 14837.6E6 | 6699.0E6  | 899.316 | 925.415 |
| 15) T                       | Picloram     | 11.151 | 12.379 | 29471.0E6 | 13946.5E6 | 924.556 | 969.627 |
| 16) T                       | DCPA         | 11.638 | 12.327 | 24763.6E6 | 10644.3E6 | 906.118 | 939.422 |
| -----                       |              |        |        |           |           |         |         |

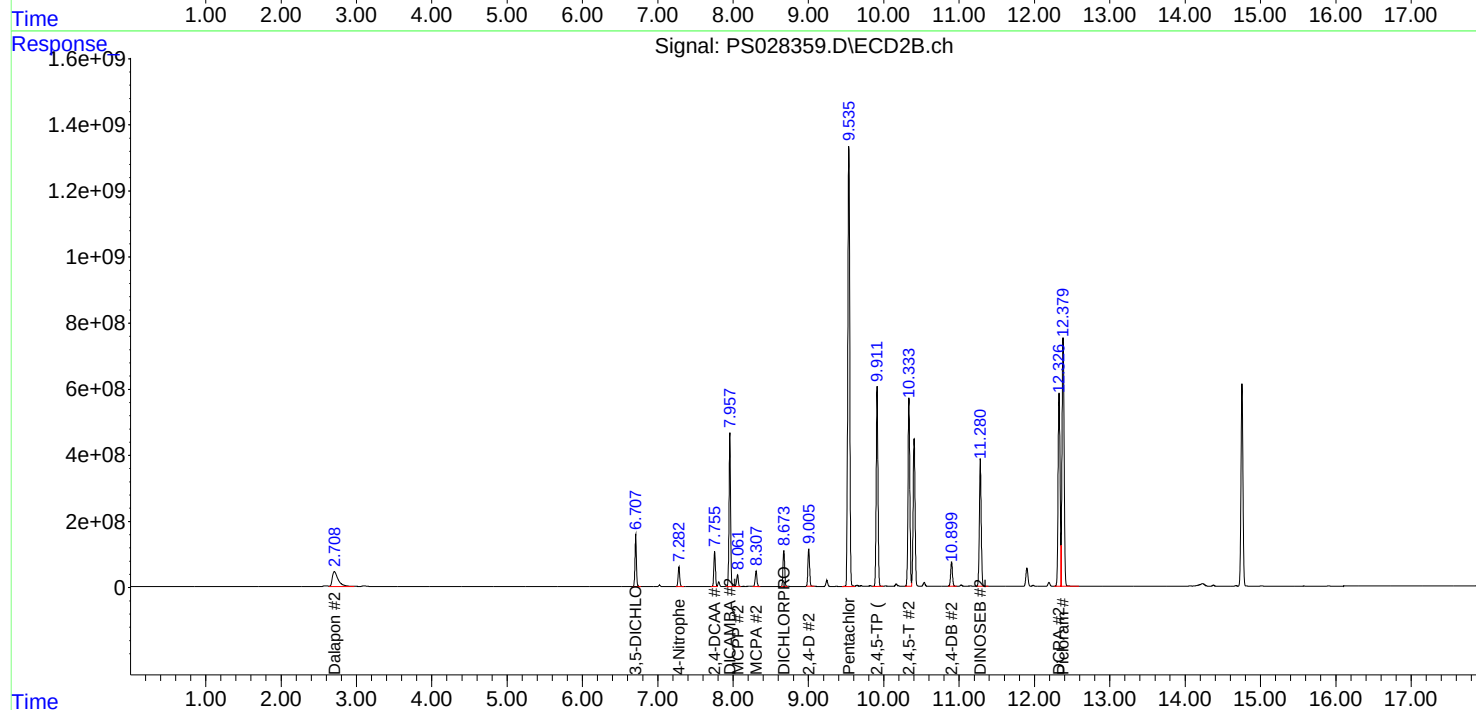
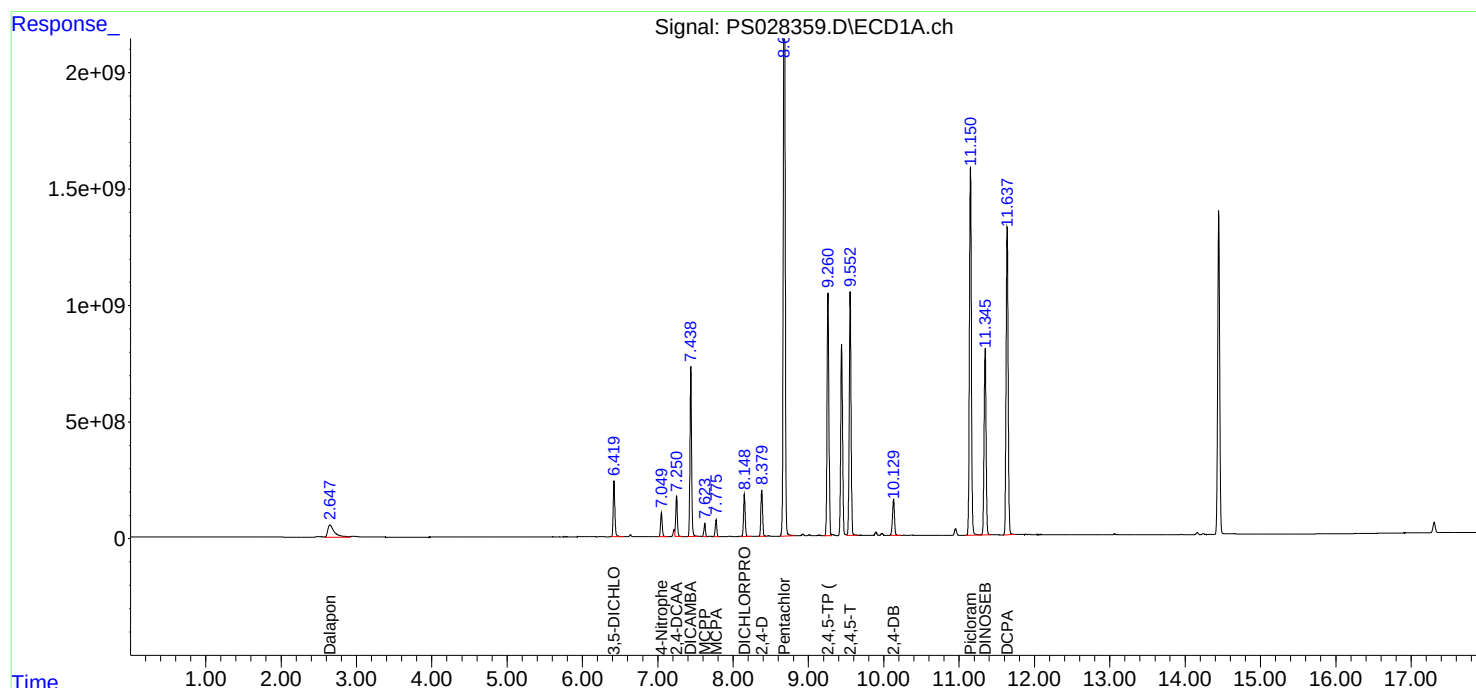
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

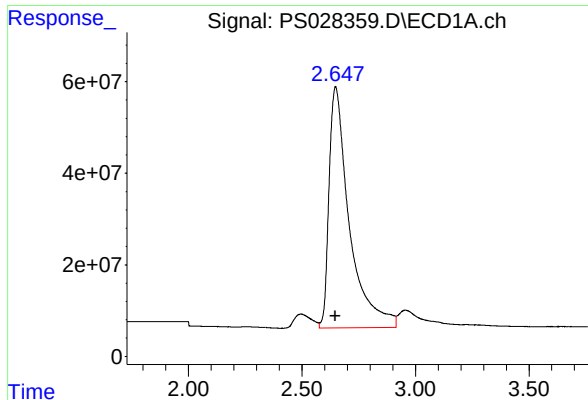
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028359.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 16:34  
Operator : AR\AJ  
Sample : HSTDICC1000  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 16:51:21 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 16:51:13 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

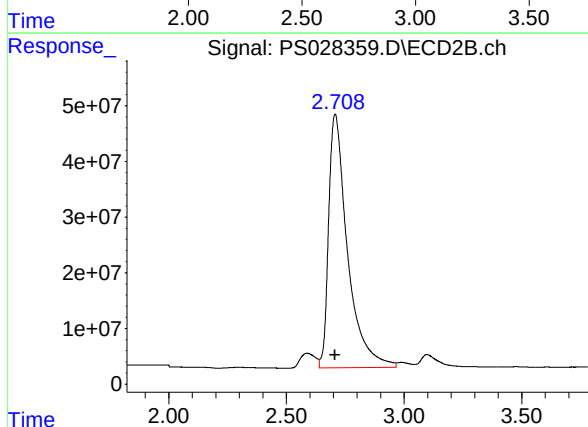




#1 Dalapon

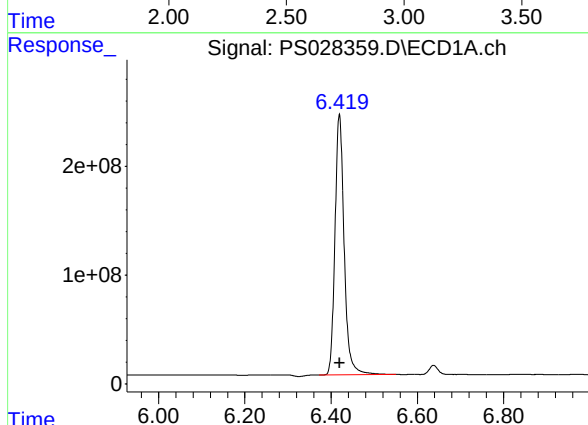
R.T.: 2.648 min  
Delta R.T.: 0.000 min  
Response: 3270715066  
Conc: 920.12 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



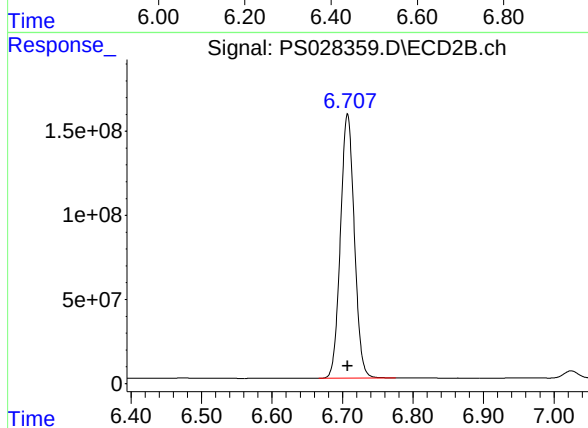
#1 Dalapon

R.T.: 2.707 min  
Delta R.T.: 0.000 min  
Response: 2544117188  
Conc: 894.48 ng/ml



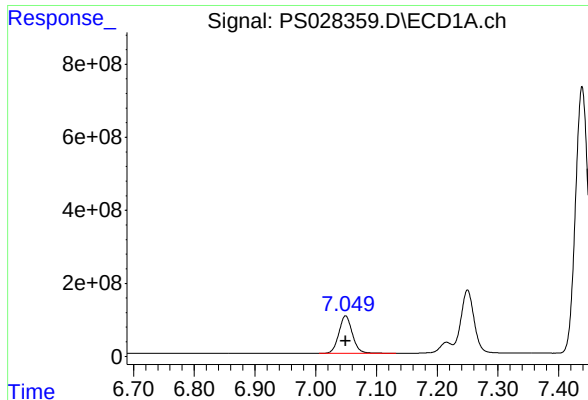
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min  
Delta R.T.: 0.000 min  
Response: 3538186794  
Conc: 865.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

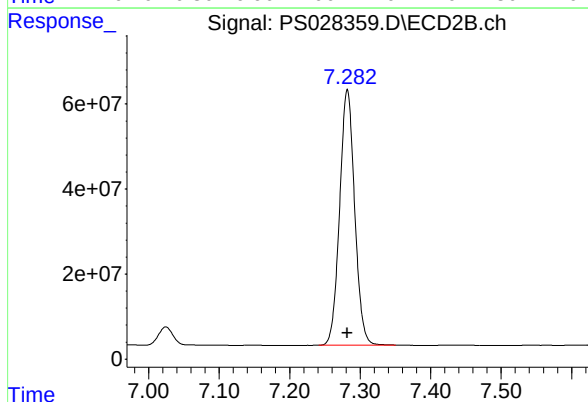
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 2155363012  
Conc: 902.07 ng/ml



## #3 4-Nitrophenol

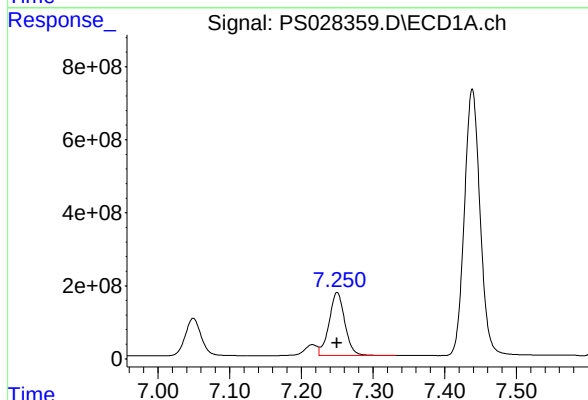
R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 1574161691  
Conc: 831.96 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



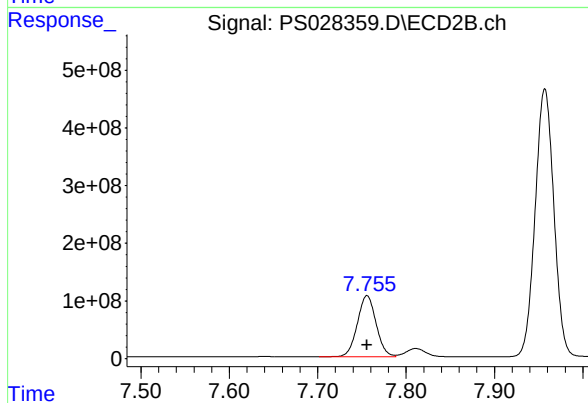
## #3 4-Nitrophenol

R.T.: 7.282 min  
Delta R.T.: 0.000 min  
Response: 890632895  
Conc: 823.05 ng/ml



## #4 2,4-DCAA

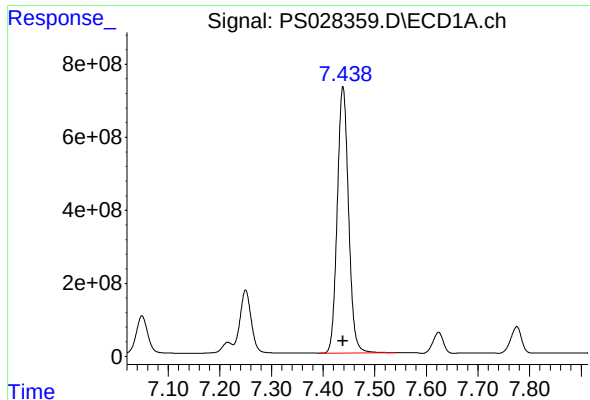
R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 2619650380  
Conc: 927.93 ng/ml



## #4 2,4-DCAA

R.T.: 7.756 min  
Delta R.T.: 0.000 min  
Response: 1561036161  
Conc: 971.59 ng/ml

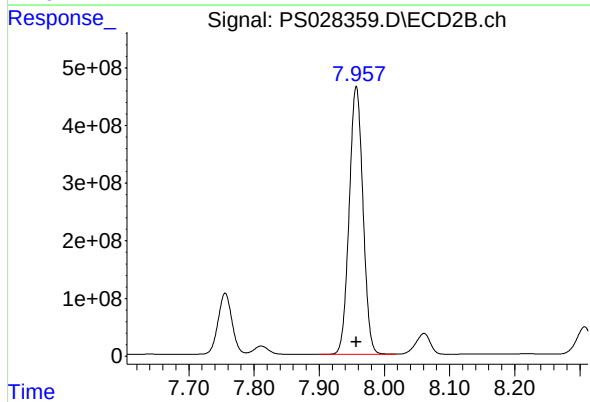




#5 DICAMBA

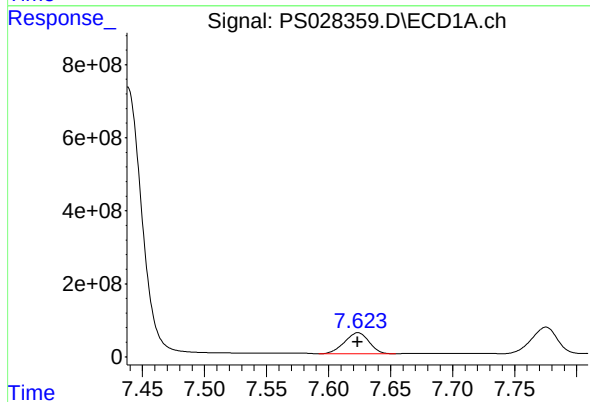
R.T.: 7.439 min  
Delta R.T.: 0.000 min  
Response: 11074022250  
Conc: 907.19 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



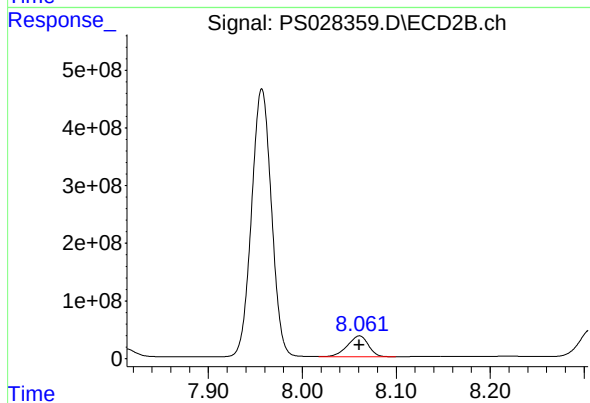
#5 DICAMBA

R.T.: 7.957 min  
Delta R.T.: 0.000 min  
Response: 6814853654  
Conc: 950.56 ng/ml



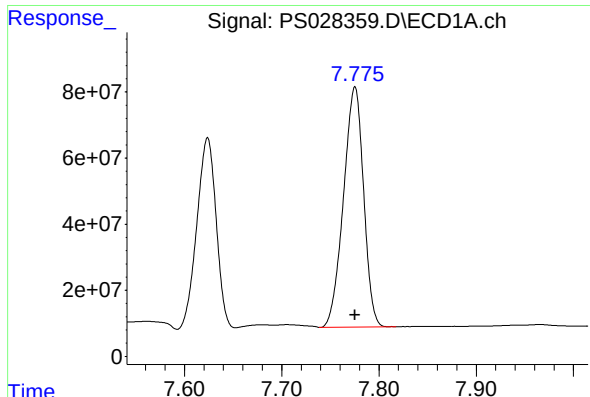
#6 MCPP

R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 799730338  
Conc: 99.24 ug/ml



#6 MCPP

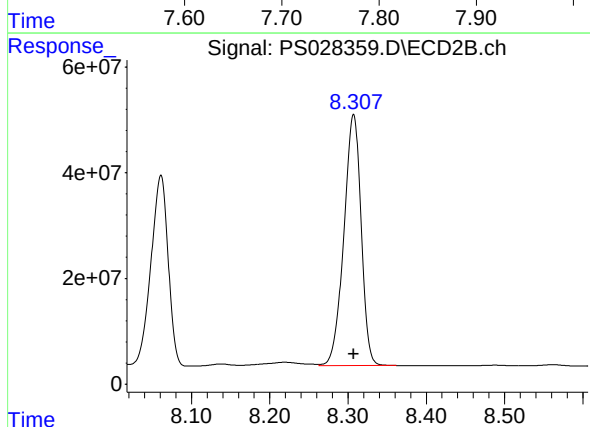
R.T.: 8.061 min  
Delta R.T.: 0.000 min  
Response: 554711111  
Conc: 94.64 ug/ml



#7 MCPA

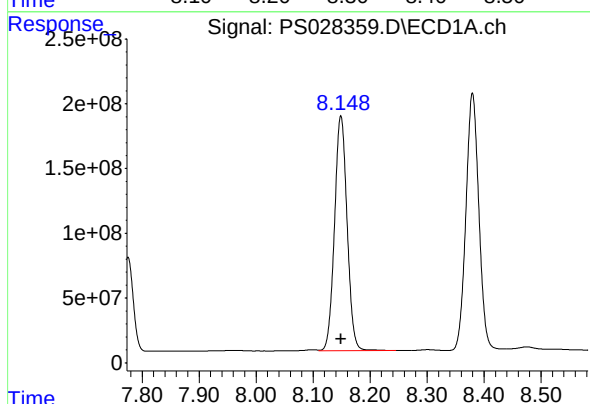
R.T.: 7.775 min  
Delta R.T.: 0.000 min  
Response: 1044279531  
Conc: 93.30 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



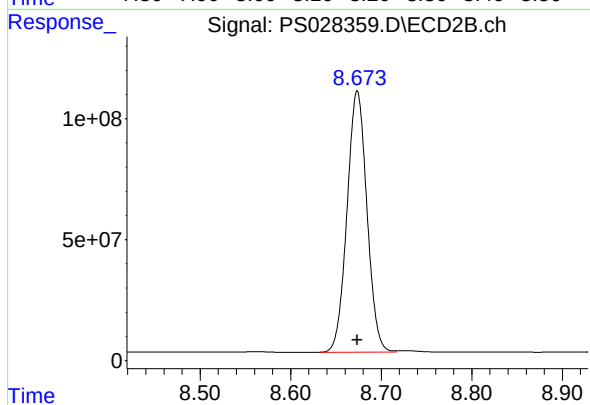
#7 MCPA

R.T.: 8.307 min  
Delta R.T.: 0.000 min  
Response: 728316132  
Conc: 90.28 ug/ml



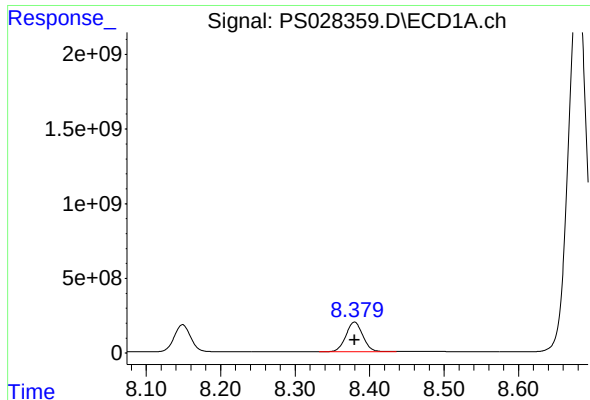
#8 DICHLORPROP

R.T.: 8.149 min  
Delta R.T.: 0.000 min  
Response: 2780009467  
Conc: 879.00 ng/ml



#8 DICHLORPROP

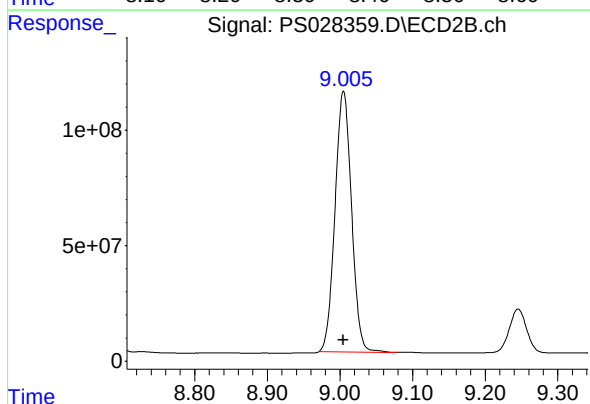
R.T.: 8.674 min  
Delta R.T.: 0.000 min  
Response: 1649489927  
Conc: 920.57 ng/ml



#9 2,4-D

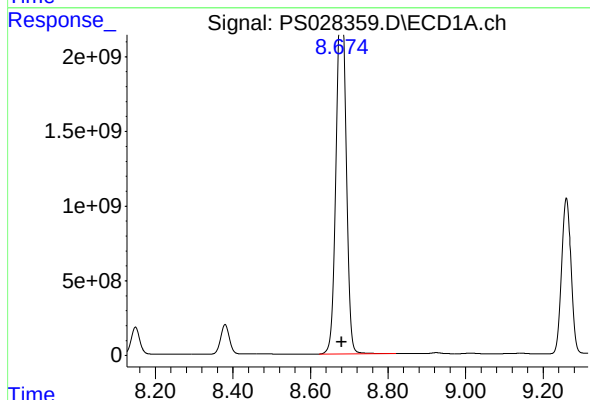
R.T.: 8.380 min  
Delta R.T.: 0.000 min  
Response: 3134393350  
Conc: 872.34 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



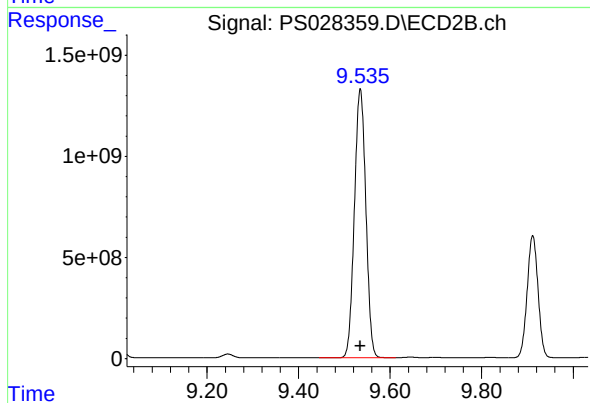
#9 2,4-D

R.T.: 9.005 min  
Delta R.T.: 0.000 min  
Response: 1786209012  
Conc: 917.36 ng/ml



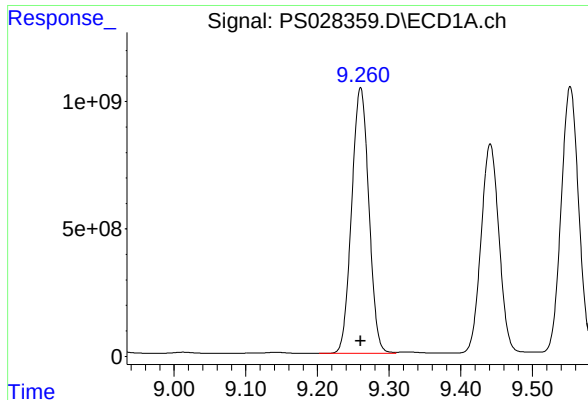
#10 Pentachlorophenol

R.T.: 8.680 min  
Delta R.T.: 0.000 min  
Response: 41014346625  
Conc: 857.44 ng/ml



#10 Pentachlorophenol

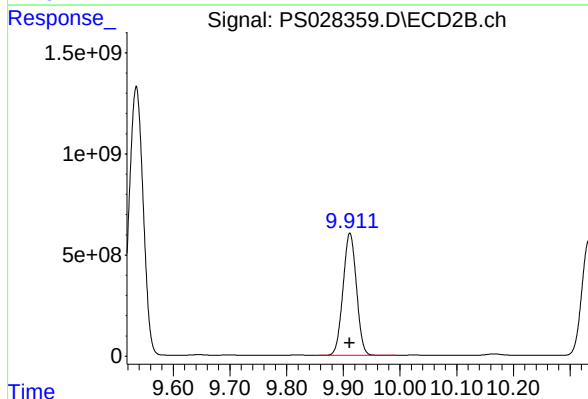
R.T.: 9.535 min  
Delta R.T.: 0.000 min  
Response: 23096944109  
Conc: 909.24 ng/ml



#11 2,4,5-TP (SILVEX)

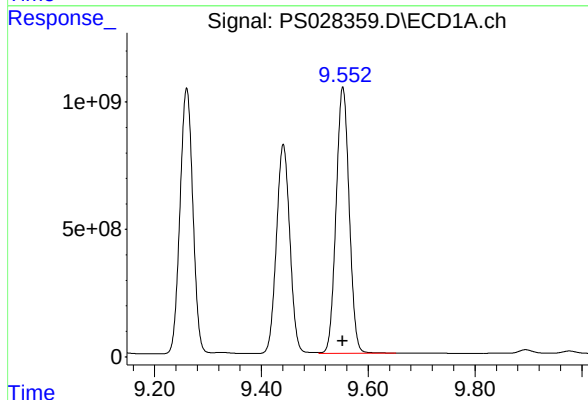
R.T.: 9.260 min  
Delta R.T.: 0.000 min  
Response: 17354102166  
Conc: 897.71 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



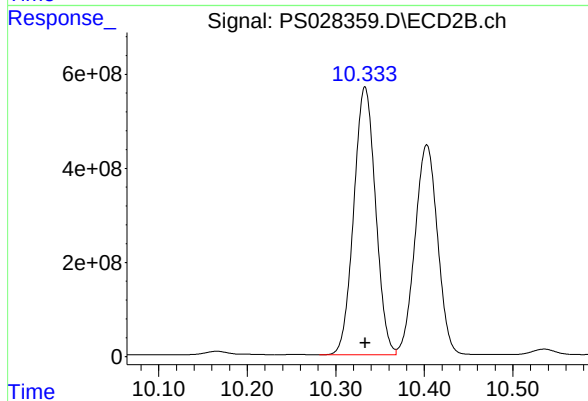
#11 2,4,5-TP (SILVEX)

R.T.: 9.912 min  
Delta R.T.: 0.000 min  
Response: 9954874094  
Conc: 929.71 ng/ml



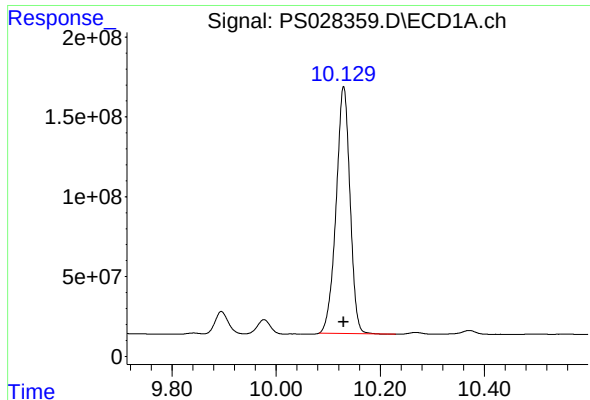
#12 2,4,5-T

R.T.: 9.553 min  
Delta R.T.: 0.000 min  
Response: 17770250745  
Conc: 897.52 ng/ml



#12 2,4,5-T

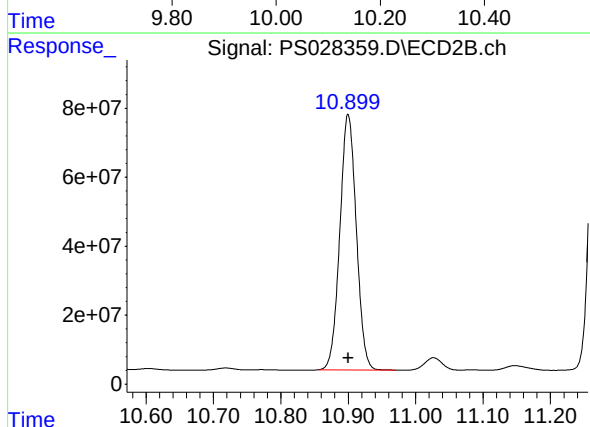
R.T.: 10.333 min  
Delta R.T.: 0.000 min  
Response: 9733283848  
Conc: 927.74 ng/ml



#13 2,4-DB

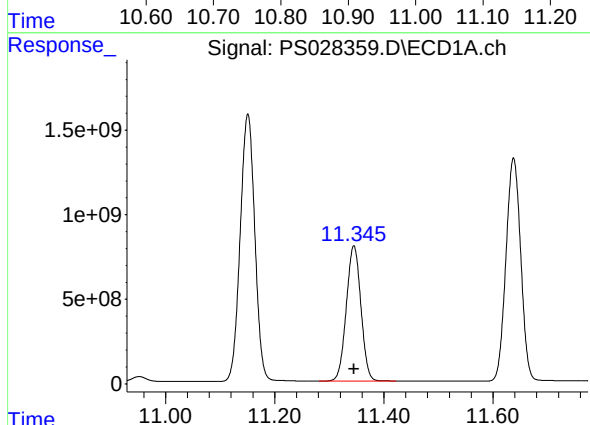
R.T.: 10.130 min  
Delta R.T.: 0.000 min  
Response: 2871292595  
Conc: 919.20 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



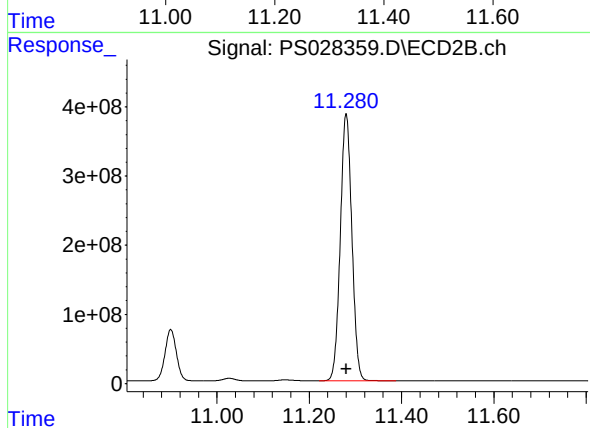
#13 2,4-DB

R.T.: 10.900 min  
Delta R.T.: 0.000 min  
Response: 1257572219  
Conc: 949.43 ng/ml



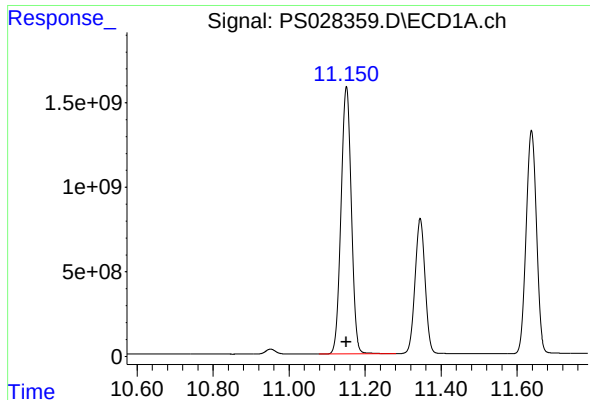
#14 DINOSEB

R.T.: 11.345 min  
Delta R.T.: 0.000 min  
Response: 14837623195  
Conc: 899.32 ng/ml



#14 DINOSEB

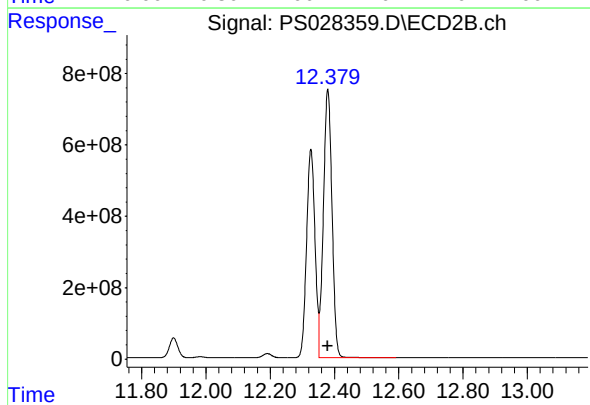
R.T.: 11.280 min  
Delta R.T.: 0.000 min  
Response: 6698995898  
Conc: 925.41 ng/ml



#15 Picloram

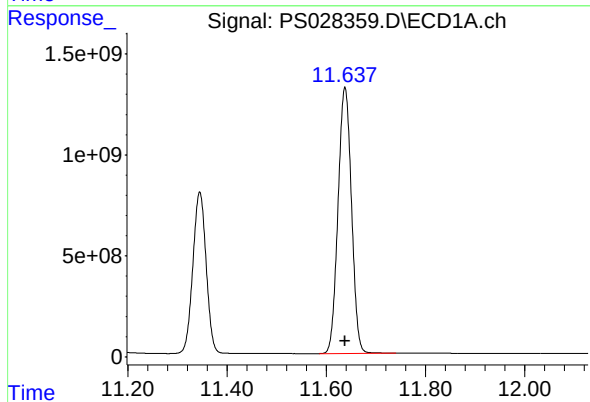
R.T.: 11.151 min  
Delta R.T.: 0.000 min  
Response: 29471001283  
Conc: 924.56 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000



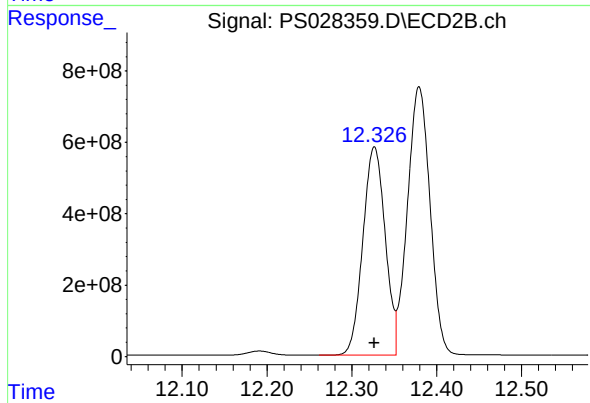
#15 Picloram

R.T.: 12.379 min  
Delta R.T.: 0.000 min  
Response: 13946482810  
Conc: 969.63 ng/ml



#16 DCPA

R.T.: 11.638 min  
Delta R.T.: 0.000 min  
Response: 24763594697  
Conc: 906.12 ng/ml



#16 DCPA

R.T.: 12.327 min  
Delta R.T.: 0.000 min  
Response: 10644252073  
Conc: 939.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028360.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 16:58  
 Operator : AR\AJ  
 Sample : HSTDICC1500  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC1500

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 17:45:49 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:45:39 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml    |
|-----------------------------|--------|--------|-----------|-----------|----------|----------|
| -----                       |        |        |           |           |          |          |
| System Monitoring Compounds |        |        |           |           |          |          |
| 4) S 2,4-DCAA               | 7.250  | 7.755  | 3767.0E6  | 2310.6E6  | 1364.492 | 1450.086 |
| Target Compounds            |        |        |           |           |          |          |
| 1) T Dalapon                | 2.650  | 2.707  | 4944.0E6  | 3823.9E6  | 1385.601 | 1348.490 |
| 2) T 3,5-DICHL...           | 6.420  | 6.707  | 5107.0E6  | 3191.5E6  | 1276.301 | 1347.181 |
| 3) T 4-Nitroph...           | 7.049  | 7.281  | 2324.2E6  | 1319.3E6  | 1253.460 | 1245.836 |
| 5) T DICAMBA                | 7.439  | 7.957  | 16040.0E6 | 10110.0E6 | 1332.146 | 1410.143 |
| 6) T MCPP                   | 7.628  | 8.064  | 1220.9E6  | 835.8E6   | 149.279  | 142.280  |
| 7) T MCPA                   | 7.779  | 8.312  | 1574.5E6  | 1084.0E6  | 140.433  | 135.369  |
| 8) T DICHLORPROP            | 8.149  | 8.674  | 4014.9E6  | 2452.1E6  | 1295.283 | 1376.618 |
| 9) T 2,4-D                  | 8.380  | 9.005  | 4510.1E6  | 2651.6E6  | 1283.392 | 1371.186 |
| 10) T Pentachlo...          | 8.683  | 9.536  | 48275.3E6 | 32737.8E6 | 1071.782 | 1313.882 |
| 11) T 2,4,5-TP ...          | 9.261  | 9.912  | 24679.1E6 | 14436.4E6 | 1303.775 | 1362.929 |
| 12) T 2,4,5-T               | 9.553  | 10.334 | 25233.9E6 | 14128.2E6 | 1301.992 | 1361.617 |
| 13) T 2,4-DB                | 10.130 | 10.900 | 4217.5E6  | 1892.7E6  | 1364.499 | 1428.147 |
| 14) T DINOSEB               | 11.345 | 11.280 | 21251.0E6 | 9772.8E6  | 1310.710 | 1361.620 |
| 15) T Picloram              | 11.150 | 12.379 | 42075.2E6 | 20561.5E6 | 1339.720 | 1428.629 |
| 16) T DCPA                  | 11.638 | 12.326 | 35013.3E6 | 15448.5E6 | 1310.064 | 1378.083 |
| -----                       |        |        |           |           |          |          |

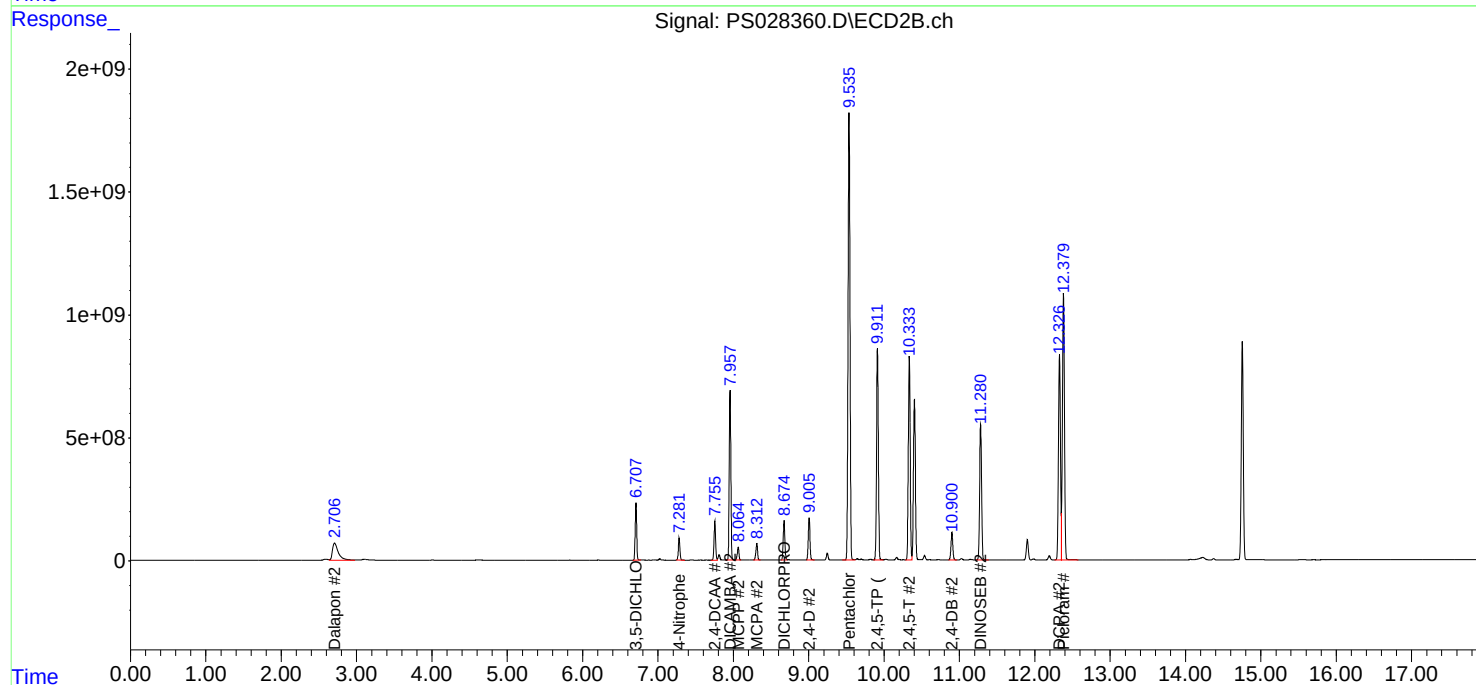
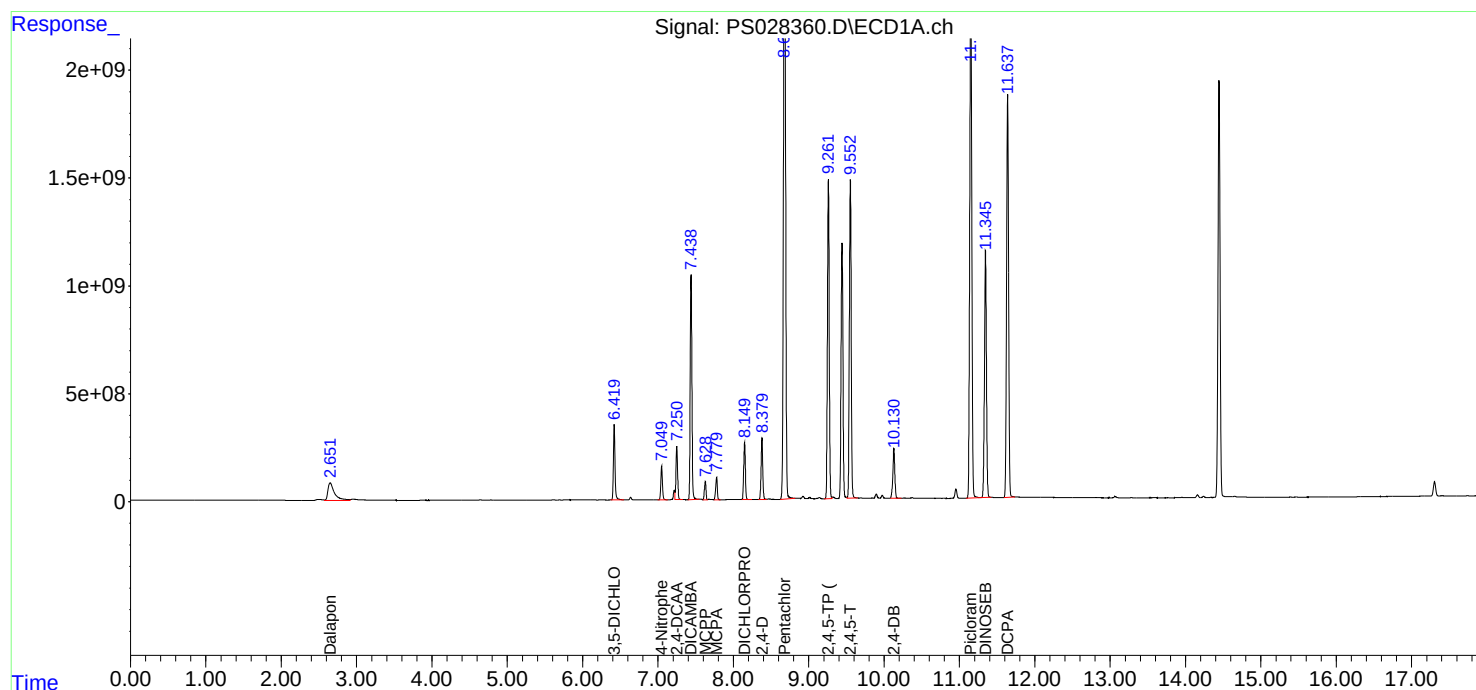
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028360.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 16:58  
Operator : AR\AJ  
Sample : HSTDICC1500  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

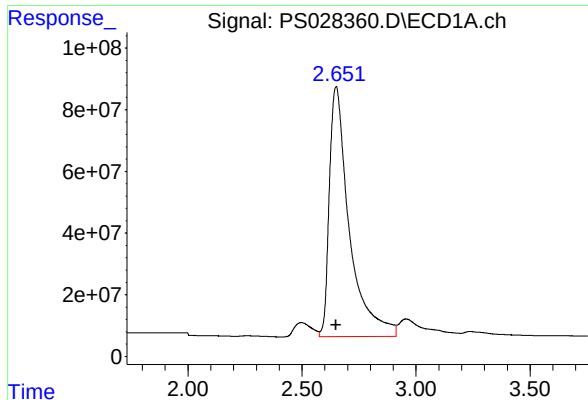
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 17:45:49 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:45:39 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



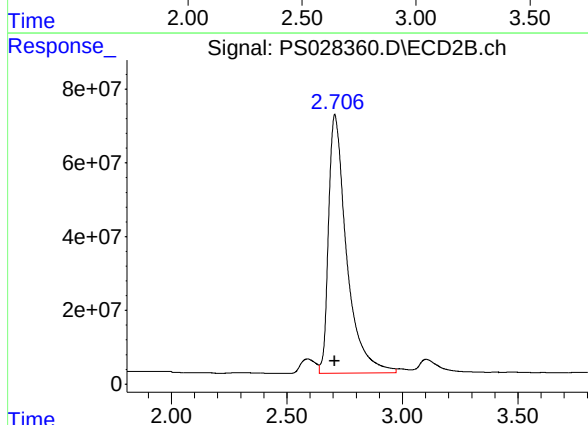




#1 Dalapon

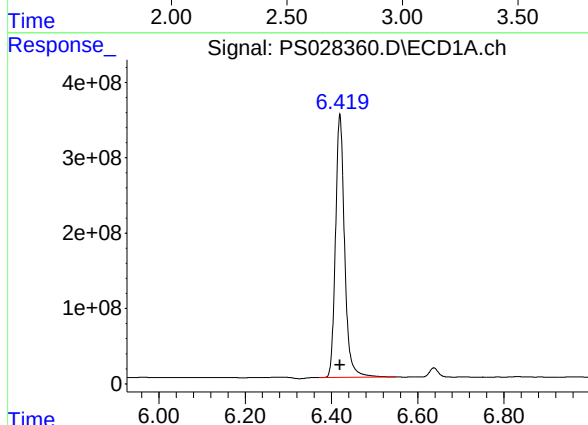
R.T.: 2.650 min  
Delta R.T.: 0.000 min  
Response: 4943995132  
Conc: 1385.60 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



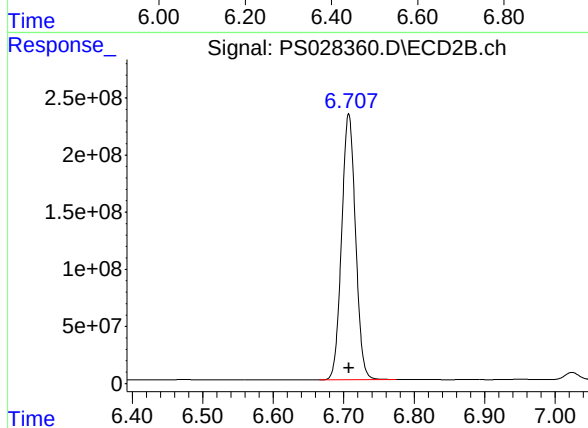
#1 Dalapon

R.T.: 2.707 min  
Delta R.T.: 0.000 min  
Response: 3823859225  
Conc: 1348.49 ng/ml



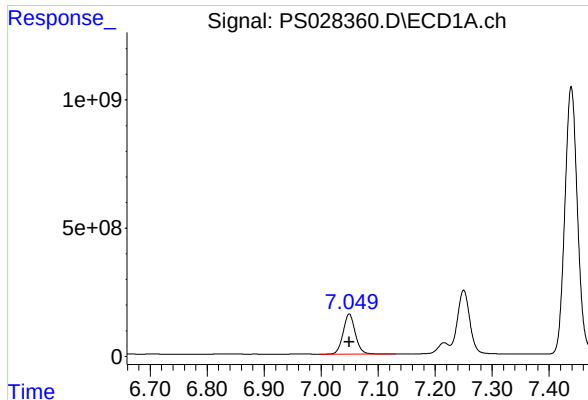
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.420 min  
Delta R.T.: 0.000 min  
Response: 5106970626  
Conc: 1276.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

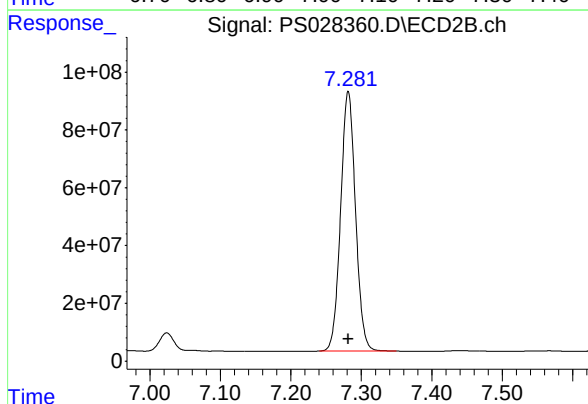
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 3191533888  
Conc: 1347.18 ng/ml



#3 4-Nitrophenol

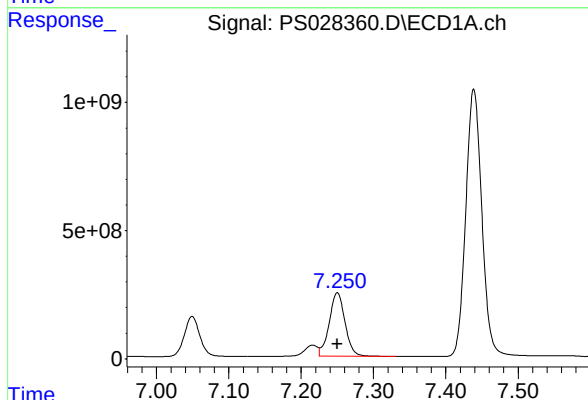
R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 2324202590  
Conc: 1253.46 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



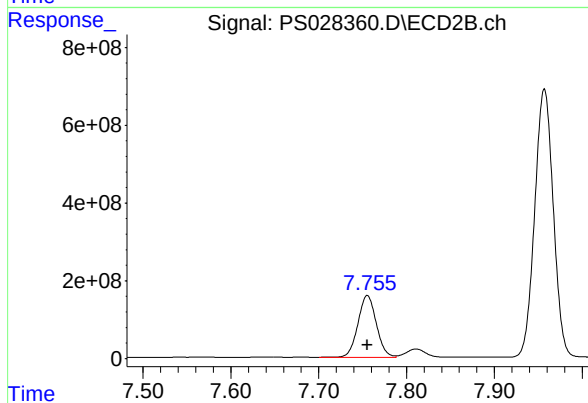
#3 4-Nitrophenol

R.T.: 7.281 min  
Delta R.T.: 0.000 min  
Response: 1319345810  
Conc: 1245.84 ng/ml



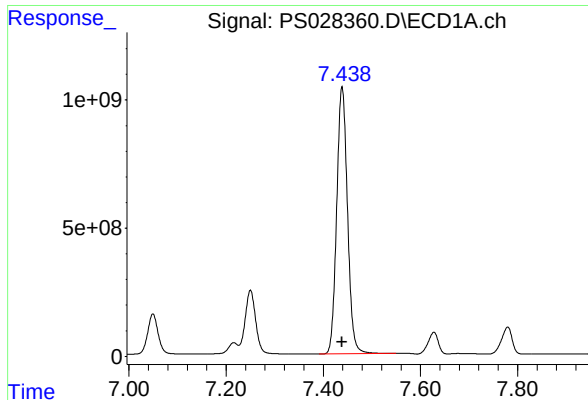
#4 2,4-DCAA

R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 3767026606  
Conc: 1364.49 ng/ml



#4 2,4-DCAA

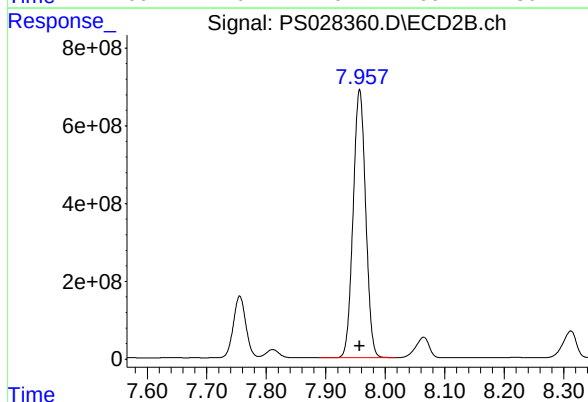
R.T.: 7.755 min  
Delta R.T.: 0.000 min  
Response: 2310598469  
Conc: 1450.09 ng/ml



#5 DICAMBA

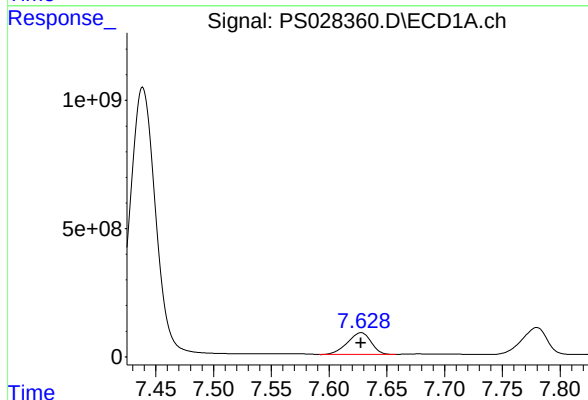
R.T.: 7.439 min  
Delta R.T.: 0.000 min  
Response: 16040039382  
Conc: 1332.15 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



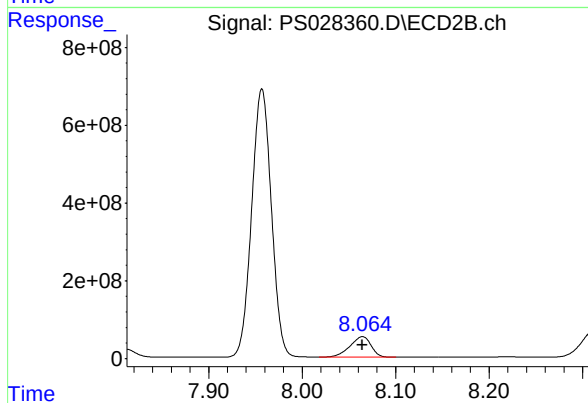
#5 DICAMBA

R.T.: 7.957 min  
Delta R.T.: 0.000 min  
Response: 10110039761  
Conc: 1410.14 ng/ml



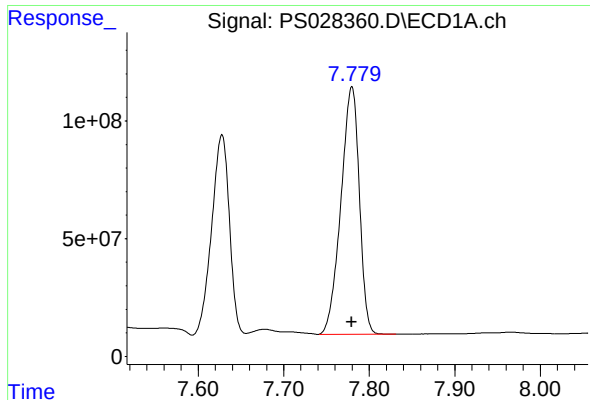
#6 MCPP

R.T.: 7.628 min  
Delta R.T.: 0.000 min  
Response: 1220894839  
Conc: 149.28 ug/ml



#6 MCPP

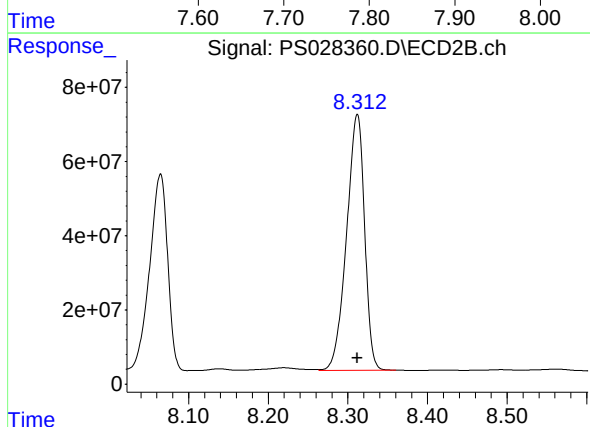
R.T.: 8.064 min  
Delta R.T.: 0.000 min  
Response: 835834793  
Conc: 142.28 ug/ml



#7 MCPA

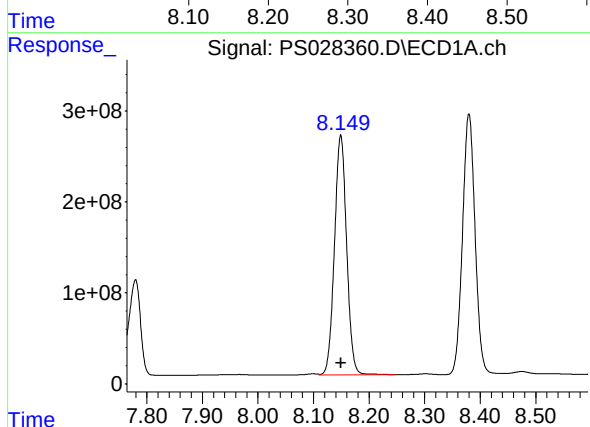
R.T.: 7.779 min  
Delta R.T.: 0.000 min  
Response: 1574543293  
Conc: 140.43 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



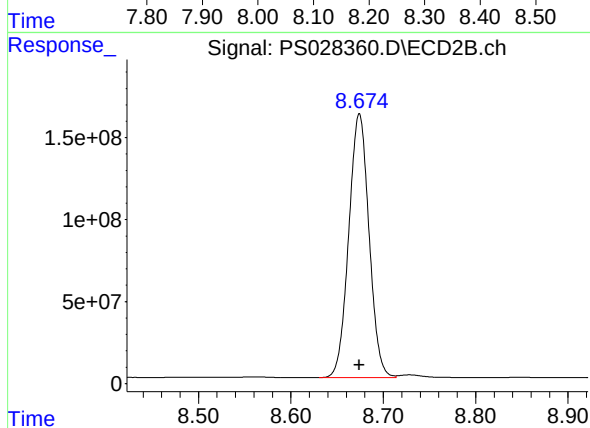
#7 MCPA

R.T.: 8.312 min  
Delta R.T.: 0.000 min  
Response: 1083987558  
Conc: 135.37 ug/ml



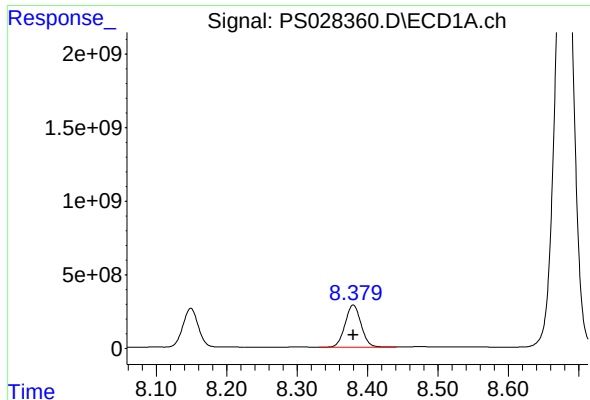
#8 DICHLORPROP

R.T.: 8.149 min  
Delta R.T.: 0.000 min  
Response: 4014910412  
Conc: 1295.28 ng/ml



#8 DICHLORPROP

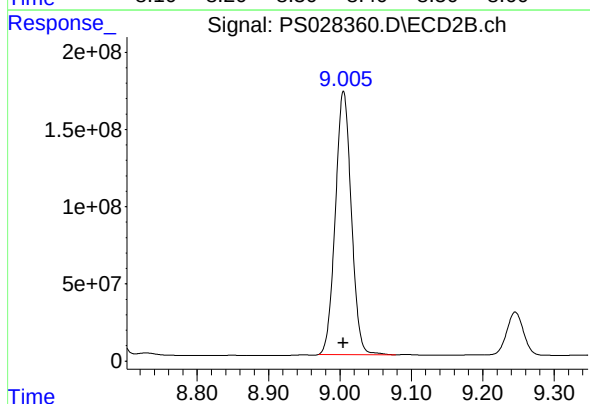
R.T.: 8.674 min  
Delta R.T.: 0.000 min  
Response: 2452120847  
Conc: 1376.62 ng/ml



#9 2,4-D

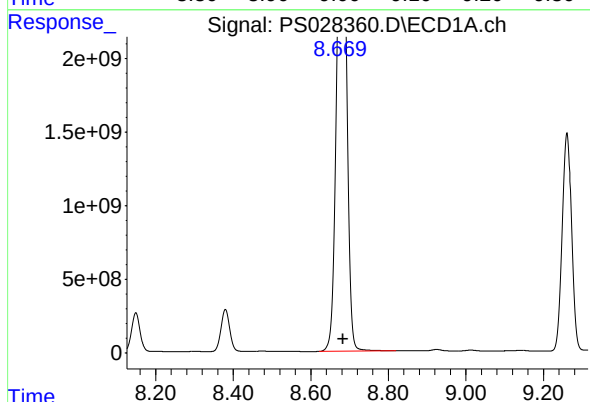
R.T.: 8.380 min  
Delta R.T.: 0.000 min  
Response: 4510103474  
Conc: 1283.39 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



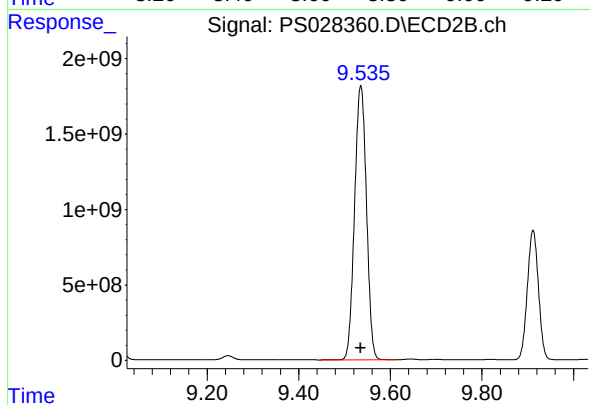
#9 2,4-D

R.T.: 9.005 min  
Delta R.T.: 0.000 min  
Response: 2651622360  
Conc: 1371.19 ng/ml



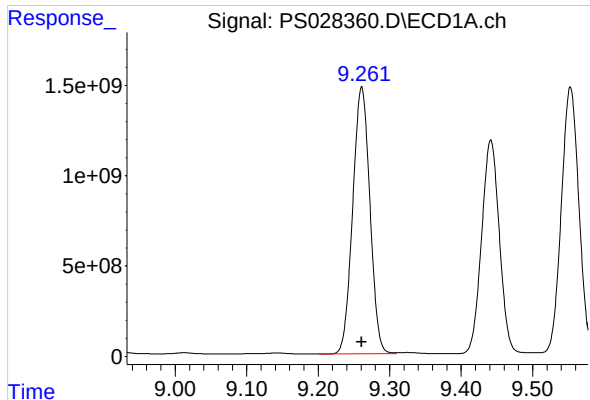
#10 Pentachlorophenol

R.T.: 8.683 min  
Delta R.T.: 0.000 min  
Response: 48275306691  
Conc: 1071.78 ng/ml



#10 Pentachlorophenol

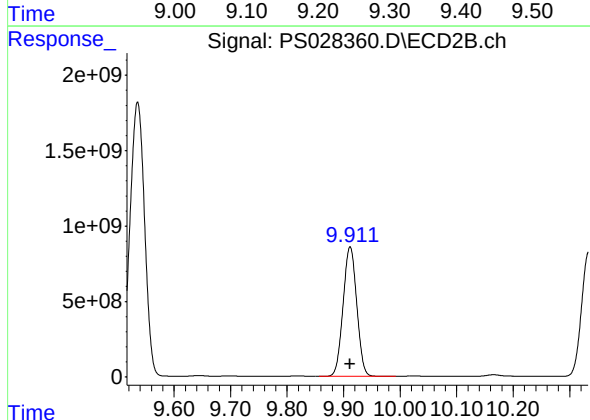
R.T.: 9.536 min  
Delta R.T.: 0.000 min  
Response: 32737779904  
Conc: 1313.88 ng/ml



#11 2,4,5-TP (SILVEX)

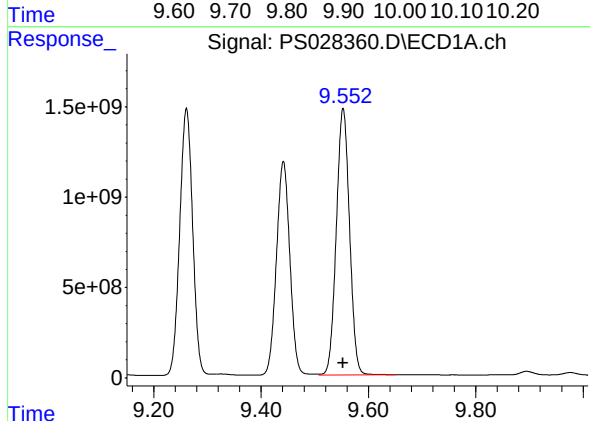
R.T.: 9.261 min  
Delta R.T.: 0.000 min  
Response: 24679107573  
Conc: 1303.78 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



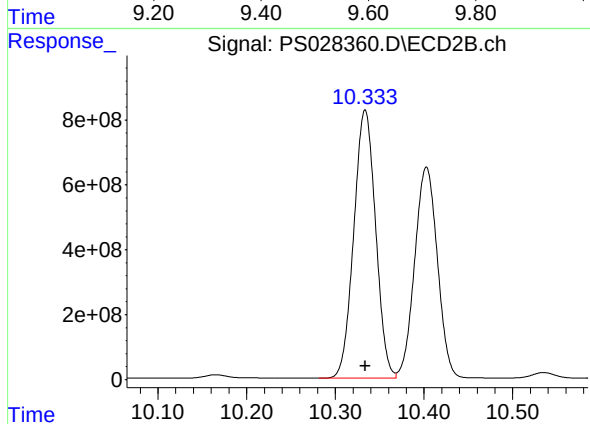
#11 2,4,5-TP (SILVEX)

R.T.: 9.912 min  
Delta R.T.: 0.000 min  
Response: 14436419409  
Conc: 1362.93 ng/ml



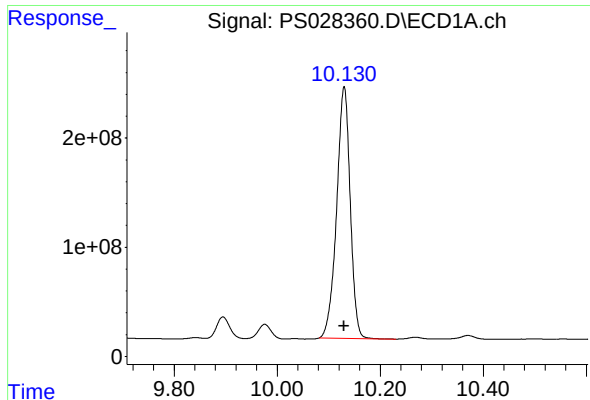
#12 2,4,5-T

R.T.: 9.553 min  
Delta R.T.: 0.000 min  
Response: 25233907570  
Conc: 1301.99 ng/ml



#12 2,4,5-T

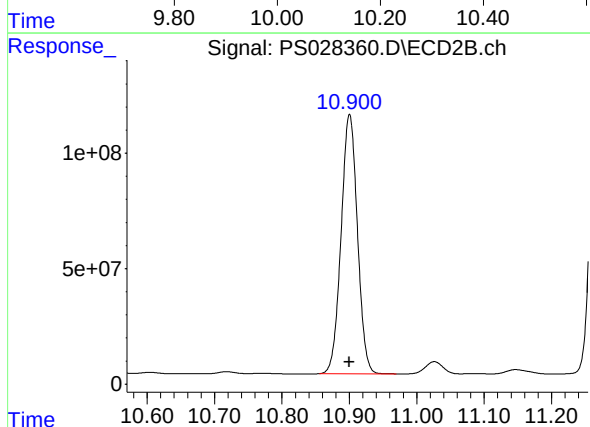
R.T.: 10.334 min  
Delta R.T.: 0.000 min  
Response: 14128177959  
Conc: 1361.62 ng/ml



#13 2,4-DB

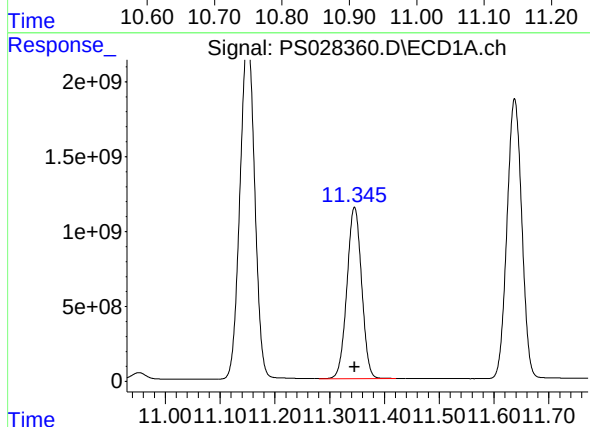
R.T.: 10.130 min  
Delta R.T.: 0.000 min  
Response: 4217507931  
Conc: 1364.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



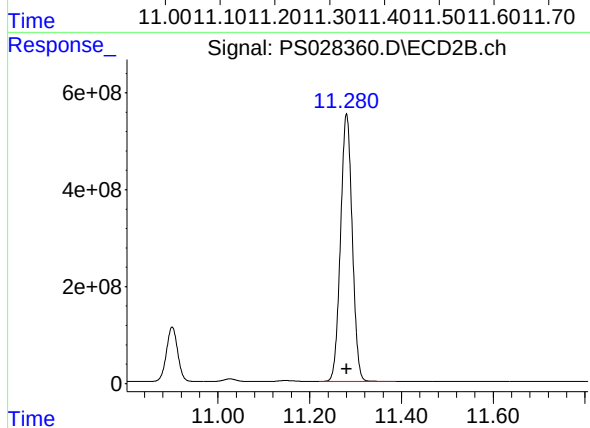
#13 2,4-DB

R.T.: 10.900 min  
Delta R.T.: 0.000 min  
Response: 1892695801  
Conc: 1428.15 ng/ml



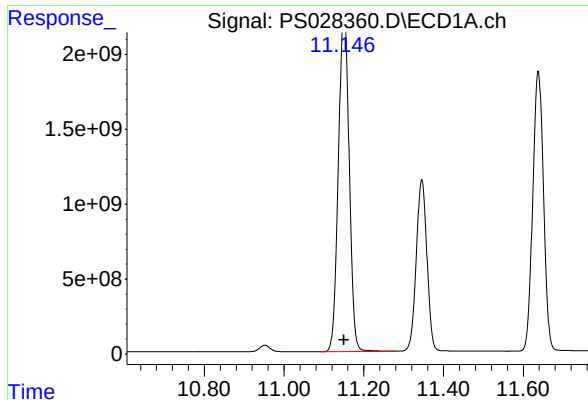
#14 DINOSEB

R.T.: 11.345 min  
Delta R.T.: 0.000 min  
Response: 21251009185  
Conc: 1310.71 ng/ml



#14 DINOSEB

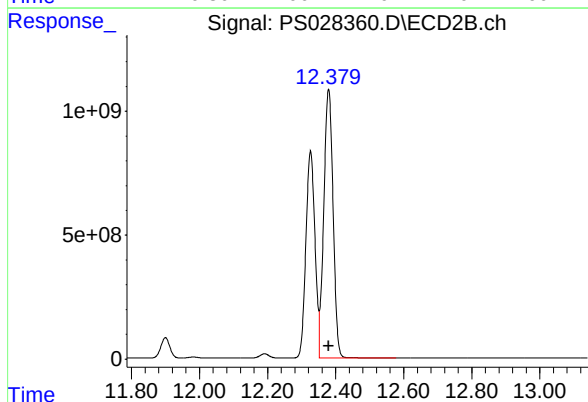
R.T.: 11.280 min  
Delta R.T.: 0.000 min  
Response: 9772817977  
Conc: 1361.62 ng/ml



#15 Picloram

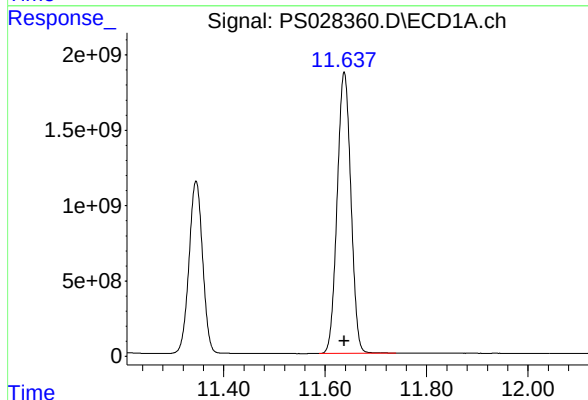
R.T.: 11.150 min  
Delta R.T.: 0.000 min  
Response: 42075187489  
Conc: 1339.72 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1500



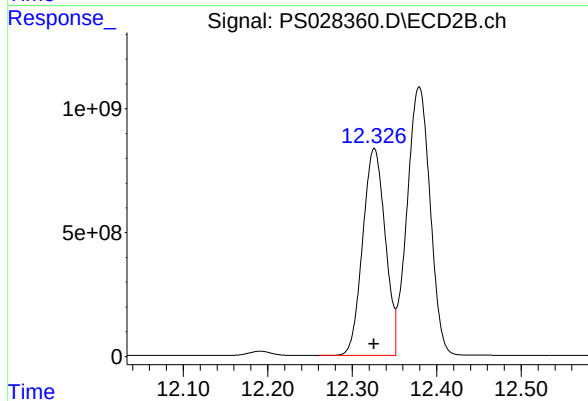
#15 Picloram

R.T.: 12.379 min  
Delta R.T.: 0.000 min  
Response: 20561549940  
Conc: 1428.63 ng/ml



#16 DCPA

R.T.: 11.638 min  
Delta R.T.: 0.000 min  
Response: 35013315200  
Conc: 1310.06 ng/ml



#16 DCPA

R.T.: 12.326 min  
Delta R.T.: 0.000 min  
Response: 15448505368  
Conc: 1378.08 ng/ml



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
 Data File : PS028361.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 17:22  
 Operator : AR\AJ  
 Sample : HSTDICV750  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 ICVPS110924

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 17:51:02 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|---------|
| -----                       |              |        |        |           |           |         |         |
| System Monitoring Compounds |              |        |        |           |           |         |         |
| 4) S                        | 2,4-DCAA     | 7.250  | 7.755  | 2008.0E6  | 1166.4E6  | 727.352 | 732.006 |
| Target Compounds            |              |        |        |           |           |         |         |
| 1) T                        | Dalapon      | 2.648  | 2.710  | 2420.5E6  | 1889.2E6  | 678.377 | 666.240 |
| 2) T                        | 3,5-DICHL... | 6.419  | 6.707  | 2702.1E6  | 1609.9E6  | 675.295 | 679.566 |
| 3) T                        | 4-Nitroph... | 7.049  | 7.281  | 1174.4E6  | 662.7E6   | 633.348 | 625.805 |
| 5) T                        | DICAMBA      | 7.438  | 7.957  | 8390.9E6  | 5041.1E6  | 696.873 | 703.125 |
| 6) T                        | MCPD         | 7.622  | 8.059  | 578.6E6   | 406.9E6   | 70.744  | 69.262  |
| 7) T                        | MCPA         | 7.772  | 8.304  | 766.9E6   | 541.7E6   | 68.403  | 67.647  |
| 8) T                        | DICHLORPROP  | 8.148  | 8.674  | 2122.7E6  | 1230.1E6  | 684.806 | 690.570 |
| 9) T                        | 2,4-D        | 8.379  | 9.004  | 2394.4E6  | 1336.5E6  | 681.345 | 691.114 |
| 10) T                       | Pentachlo... | 8.679  | 9.535  | 33172.6E6 | 17646.2E6 | 736.479 | 708.202 |
| 11) T                       | 2,4,5-TP ... | 9.260  | 9.911  | 13283.0E6 | 7469.4E6  | 701.729 | 705.181 |
| 12) T                       | 2,4,5-T      | 9.553  | 10.332 | 13622.9E6 | 7304.6E6  | 702.901 | 703.987 |
| 13) T                       | 2,4-DB       | 10.129 | 10.900 | 2161.5E6  | 928.2E6   | 699.310 | 700.354 |
| 14) T                       | DINOSEB      | 11.345 | 11.280 | 11126.8E6 | 4918.7E6  | 686.276 | 685.314 |
| 15) T                       | Picloram     | 11.150 | 12.378 | 22320.9E6 | 10335.0E6 | 710.722 | 718.084 |
| 16) T                       | DCPA         | 11.637 | 12.325 | 18930.3E6 | 7984.4E6  | 708.298 | 712.248 |
| -----                       |              |        |        |           |           |         |         |

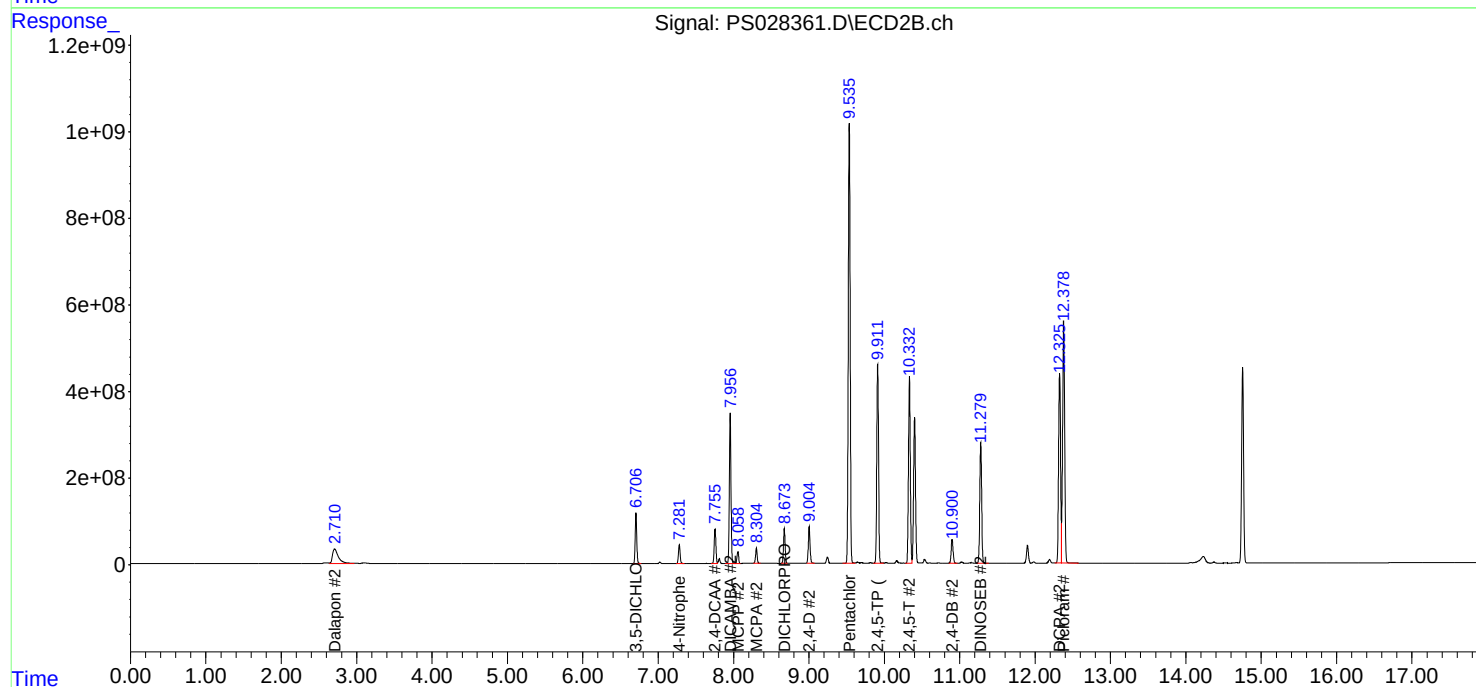
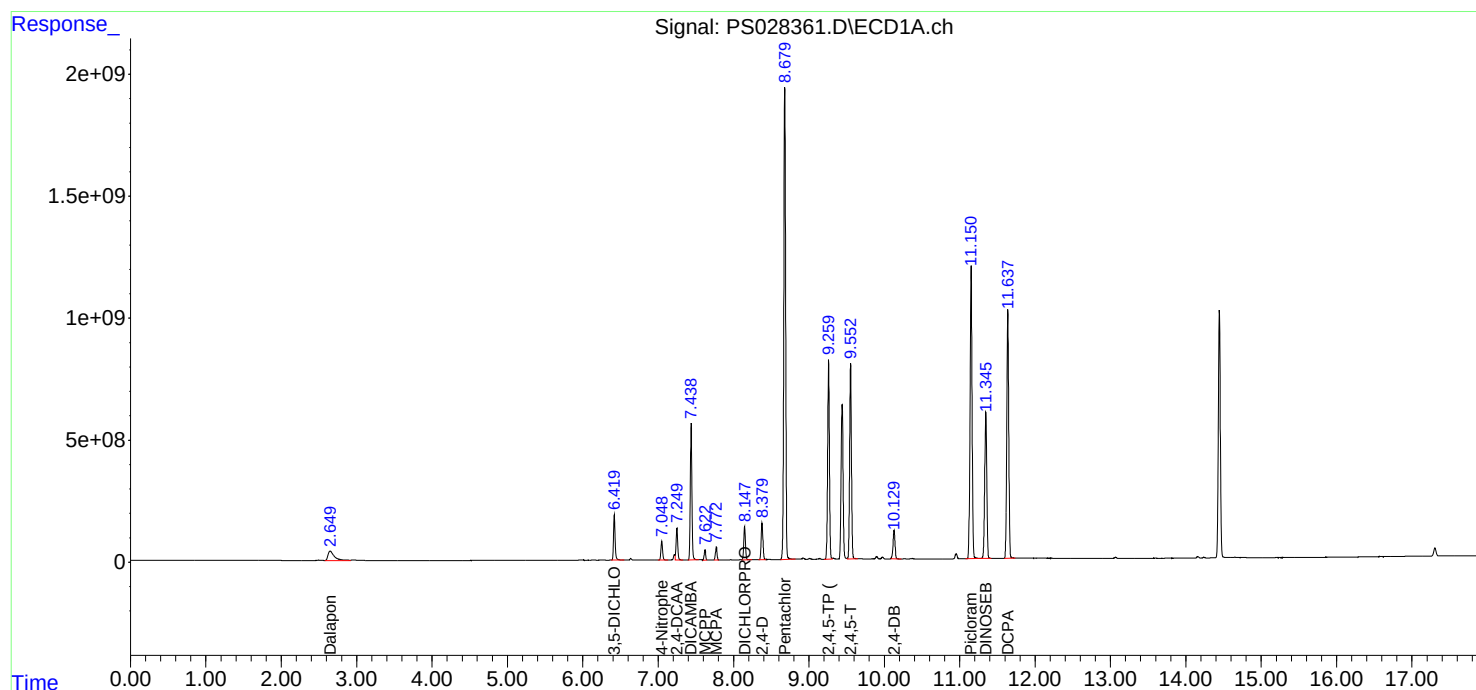
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

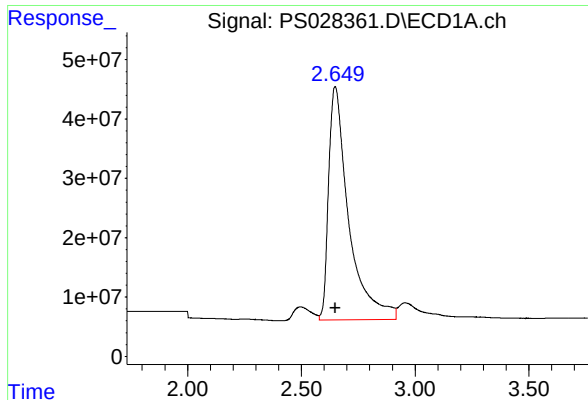
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028361.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 17:22  
Operator : AR\AJ  
Sample : HSTDICV750  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 17:51:02 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

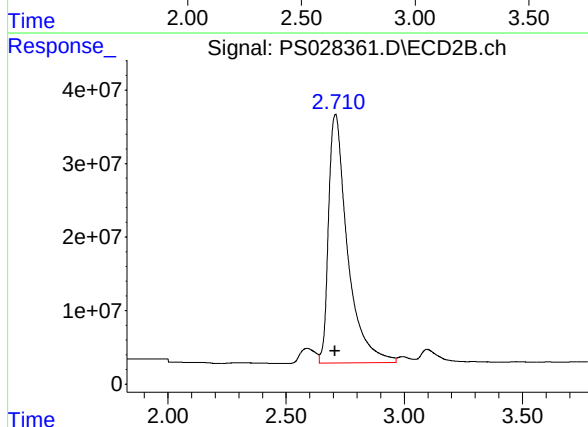




#1 Dalapon

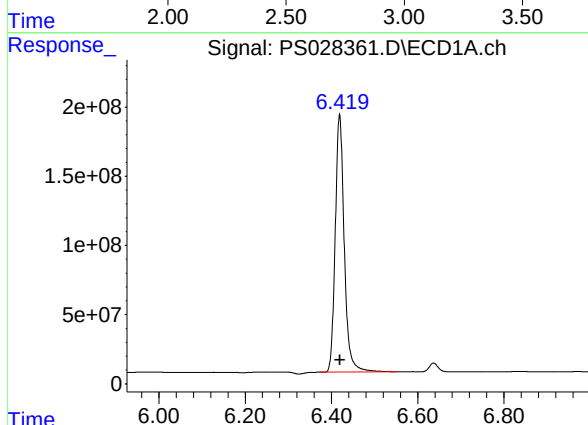
R.T.: 2.648 min  
Delta R.T.: -0.002 min  
Response: 2420530621  
Conc: 678.38 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



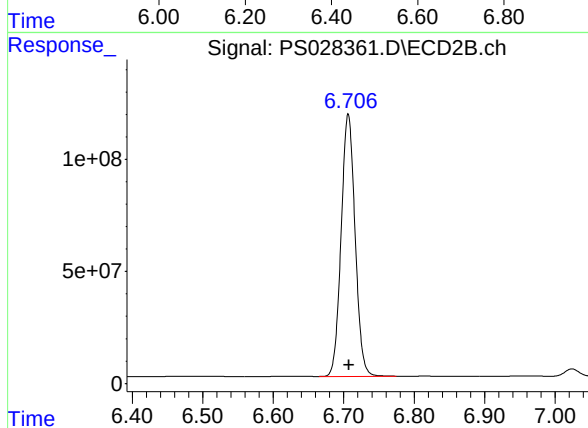
#1 Dalapon

R.T.: 2.710 min  
Delta R.T.: 0.003 min  
Response: 1889230146  
Conc: 666.24 ng/ml



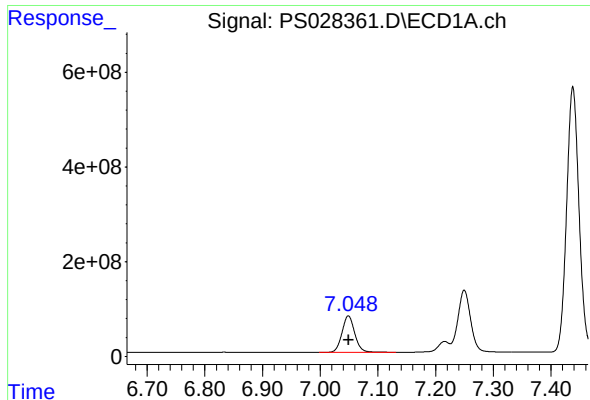
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min  
Delta R.T.: 0.000 min  
Response: 2702112985  
Conc: 675.29 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

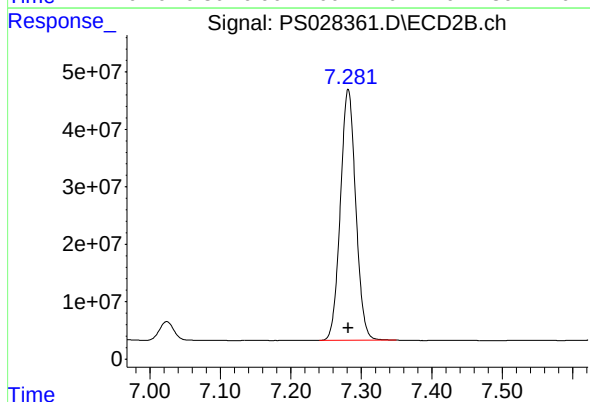
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 1609922638  
Conc: 679.57 ng/ml



#3 4-Nitrophenol

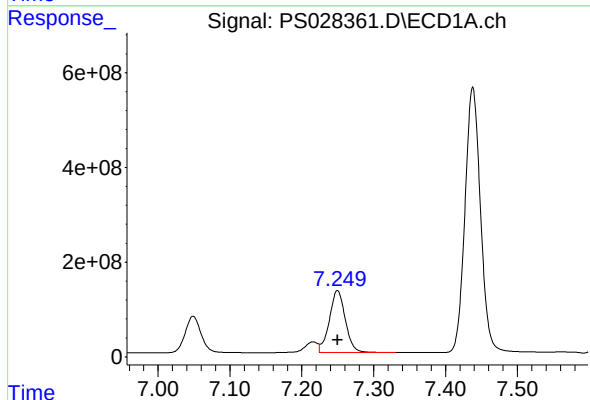
R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 1174371914  
Conc: 633.35 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



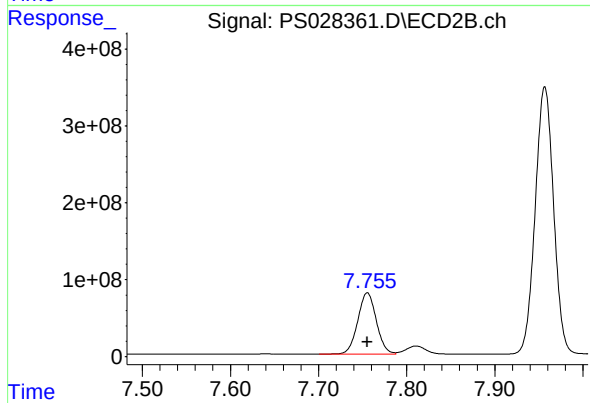
#3 4-Nitrophenol

R.T.: 7.281 min  
Delta R.T.: 0.000 min  
Response: 662730225  
Conc: 625.80 ng/ml



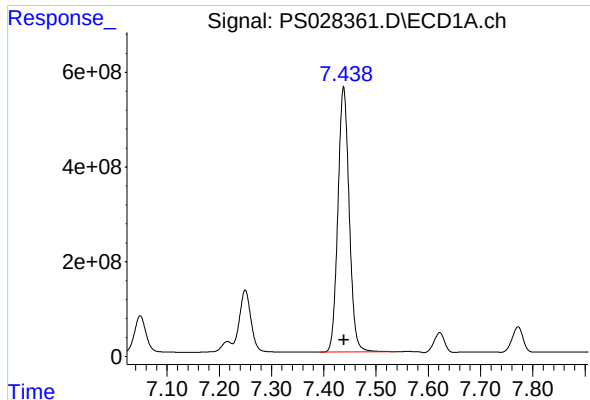
#4 2,4-DCAA

R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 2008039122  
Conc: 727.35 ng/ml



#4 2,4-DCAA

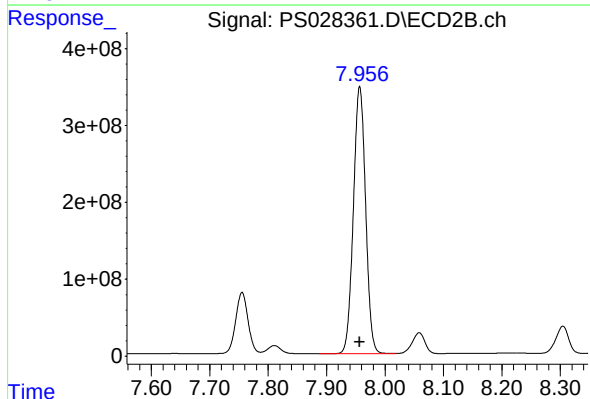
R.T.: 7.755 min  
Delta R.T.: 0.000 min  
Response: 1166394095  
Conc: 732.01 ng/ml



#5 DICAMBA

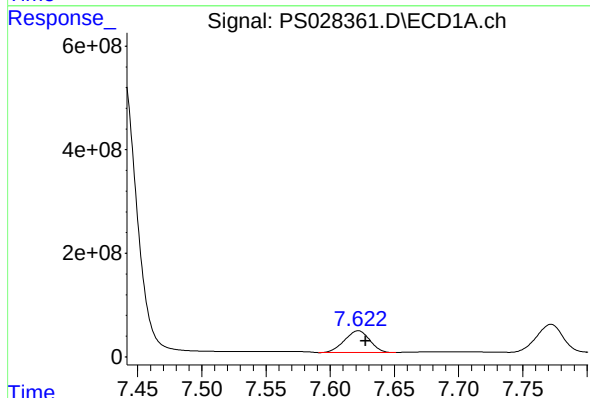
R.T.: 7.438 min  
Delta R.T.: 0.000 min  
Response: 8390867441  
Conc: 696.87 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



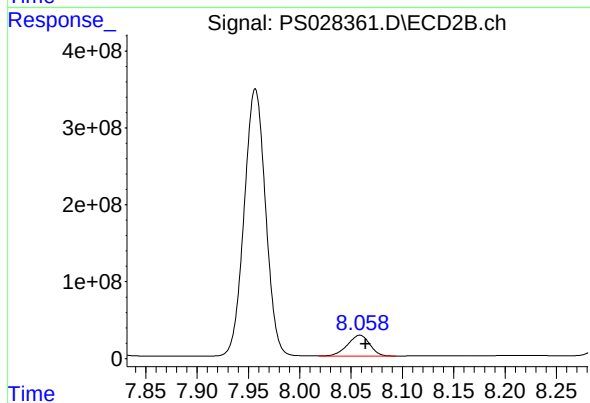
#5 DICAMBA

R.T.: 7.957 min  
Delta R.T.: 0.000 min  
Response: 5041063574  
Conc: 703.12 ng/ml



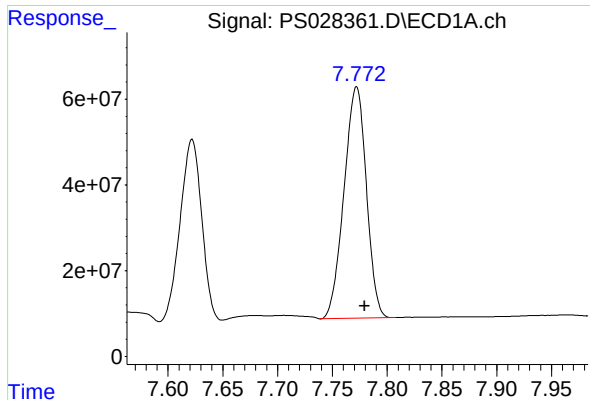
#6 MCPP

R.T.: 7.622 min  
Delta R.T.: -0.006 min  
Response: 578590579  
Conc: 70.74 ug/ml



#6 MCPP

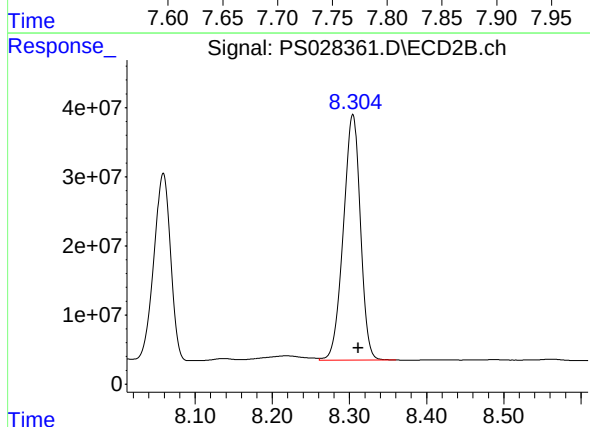
R.T.: 8.059 min  
Delta R.T.: -0.006 min  
Response: 406883010  
Conc: 69.26 ug/ml



#7 MCPA

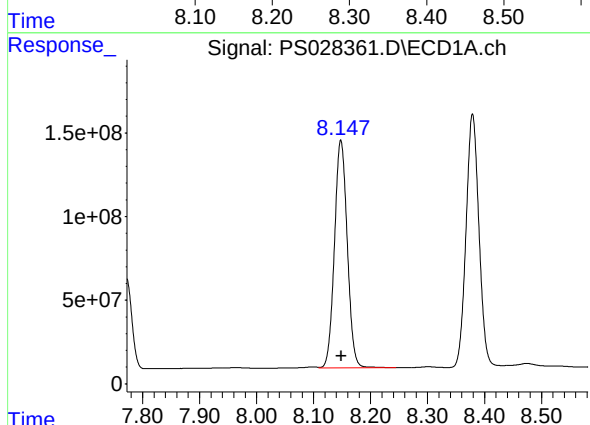
R.T.: 7.772 min  
Delta R.T.: -0.008 min  
Response: 766933119  
Conc: 68.40 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



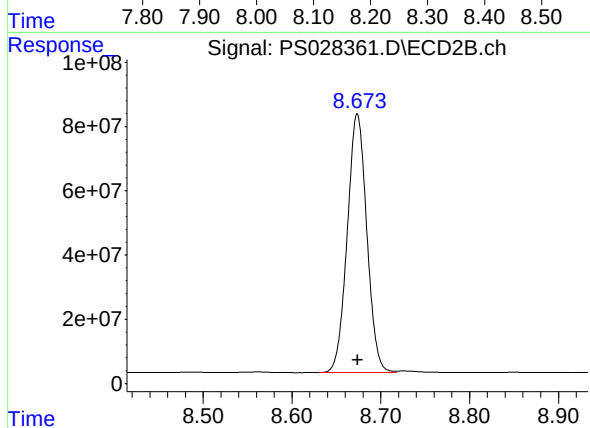
#7 MCPA

R.T.: 8.304 min  
Delta R.T.: -0.007 min  
Response: 541693818  
Conc: 67.65 ug/ml



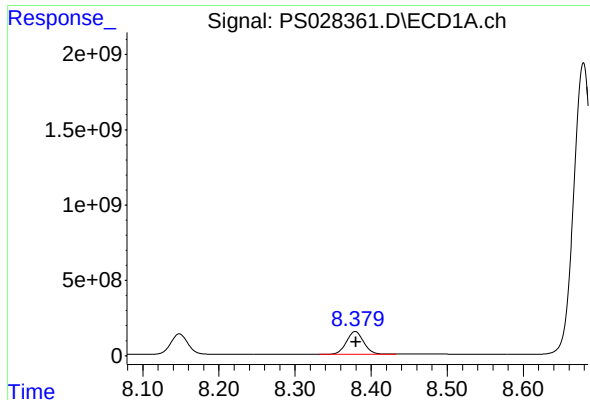
#8 DICHLORPROP

R.T.: 8.148 min  
Delta R.T.: 0.000 min  
Response: 2122652558  
Conc: 684.81 ng/ml



#8 DICHLORPROP

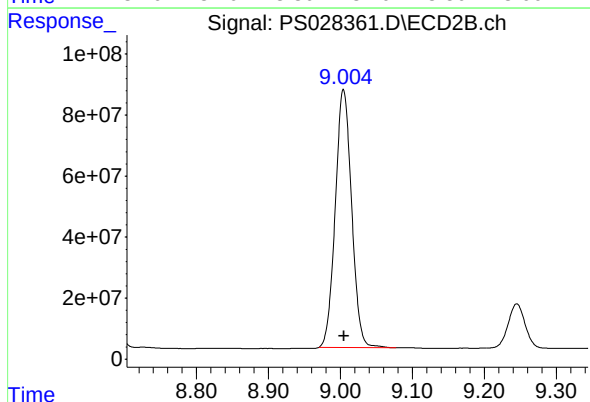
R.T.: 8.674 min  
Delta R.T.: 0.000 min  
Response: 1230087577  
Conc: 690.57 ng/ml



#9 2,4-D

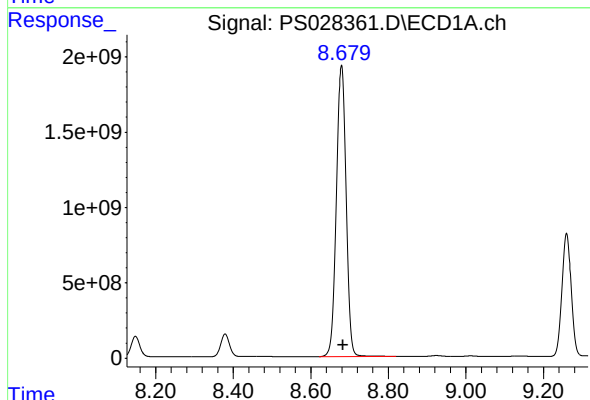
R.T.: 8.379 min  
Delta R.T.: 0.000 min  
Response: 2394385500  
Conc: 681.34 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



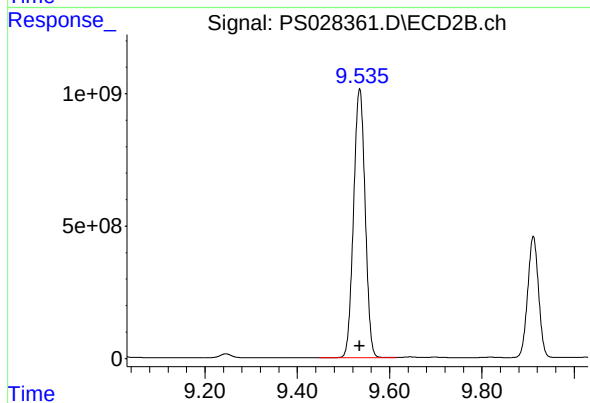
#9 2,4-D

R.T.: 9.004 min  
Delta R.T.: 0.000 min  
Response: 1336488419  
Conc: 691.11 ng/ml



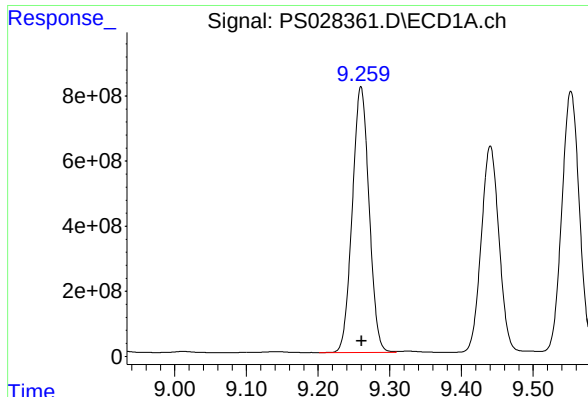
#10 Pentachlorophenol

R.T.: 8.679 min  
Delta R.T.: -0.004 min  
Response: 33172560444  
Conc: 736.48 ng/ml



#10 Pentachlorophenol

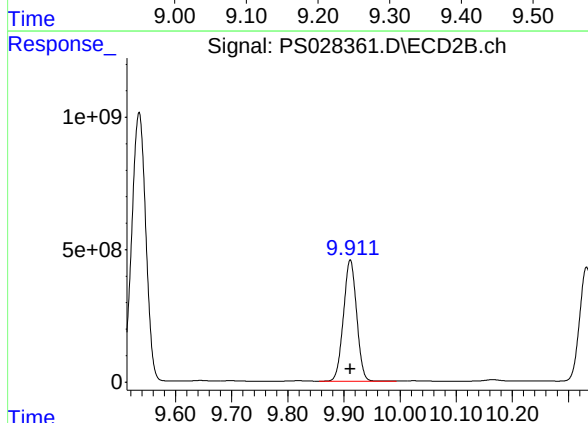
R.T.: 9.535 min  
Delta R.T.: 0.000 min  
Response: 17646155235  
Conc: 708.20 ng/ml



#11 2,4,5-TP (SILVEX)

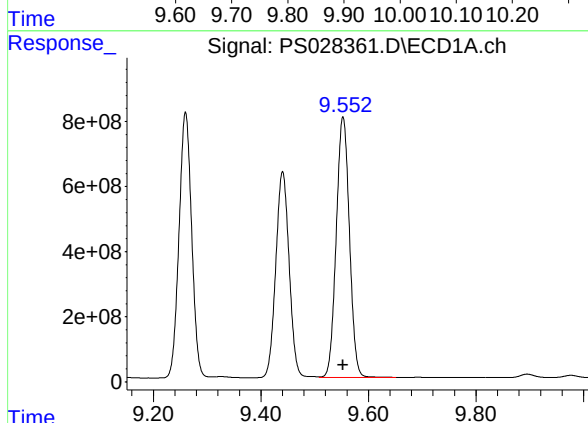
R.T.: 9.260 min  
Delta R.T.: 0.000 min  
Response: 13282999670  
Conc: 701.73 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



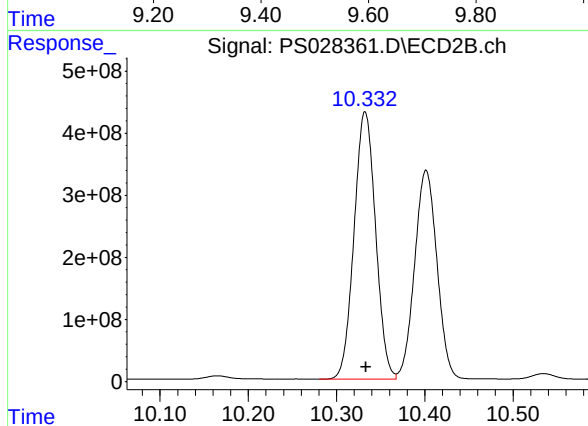
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min  
Delta R.T.: 0.000 min  
Response: 7469420888  
Conc: 705.18 ng/ml



#12 2,4,5-T

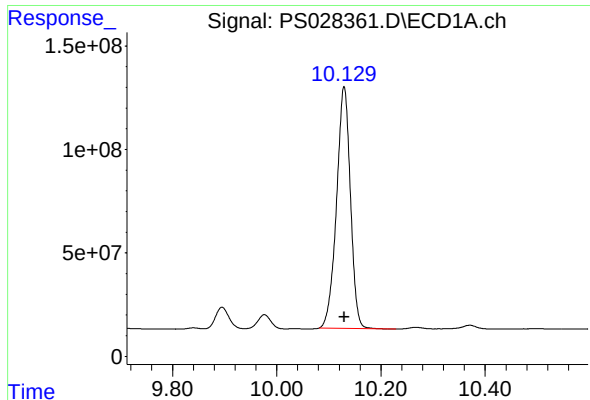
R.T.: 9.553 min  
Delta R.T.: 0.000 min  
Response: 13622935092  
Conc: 702.90 ng/ml



#12 2,4,5-T

R.T.: 10.332 min  
Delta R.T.: -0.001 min  
Response: 7304595422  
Conc: 703.99 ng/ml

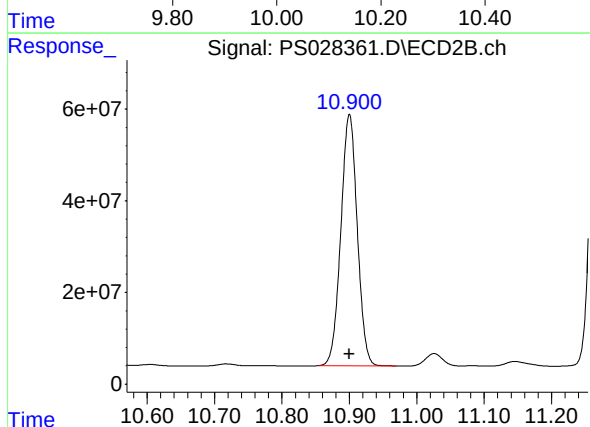




#13 2,4-DB

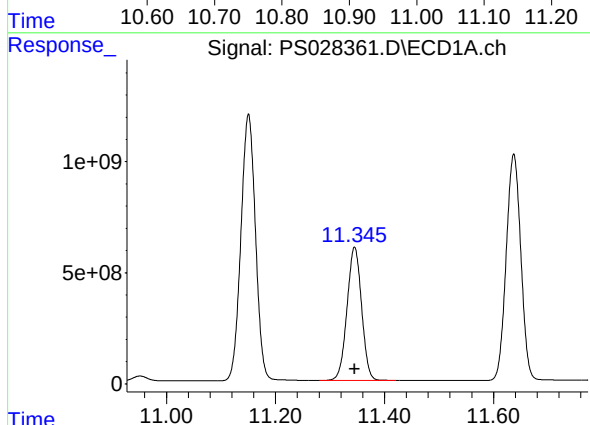
R.T.: 10.129 min  
Delta R.T.: 0.000 min  
Response: 2161484871  
Conc: 699.31 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



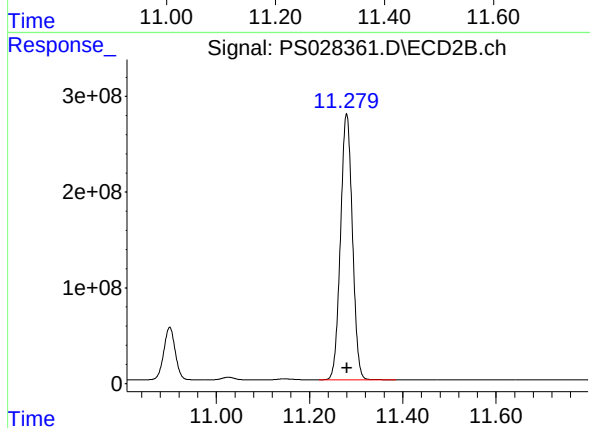
#13 2,4-DB

R.T.: 10.900 min  
Delta R.T.: 0.000 min  
Response: 928165950  
Conc: 700.35 ng/ml



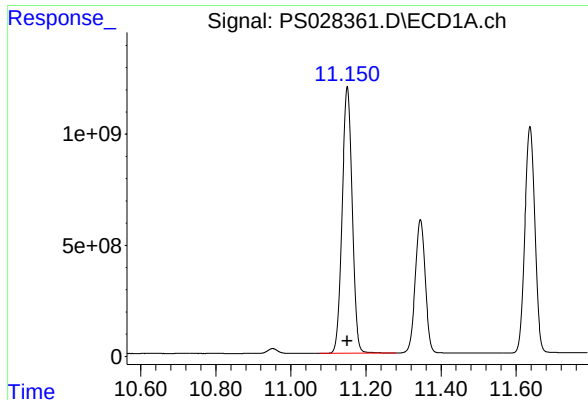
#14 DINOSEB

R.T.: 11.345 min  
Delta R.T.: 0.000 min  
Response: 11126846564  
Conc: 686.28 ng/ml



#14 DINOSEB

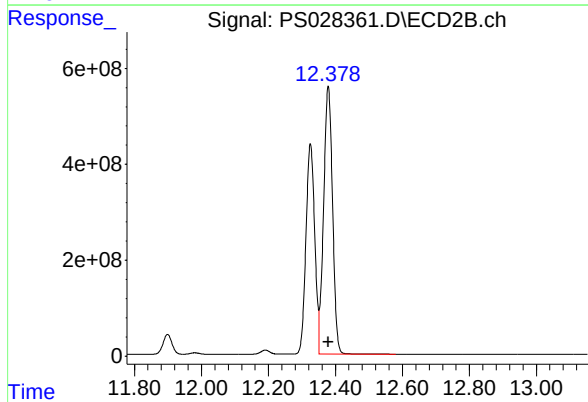
R.T.: 11.280 min  
Delta R.T.: 0.000 min  
Response: 4918734702  
Conc: 685.31 ng/ml



#15 Picloram

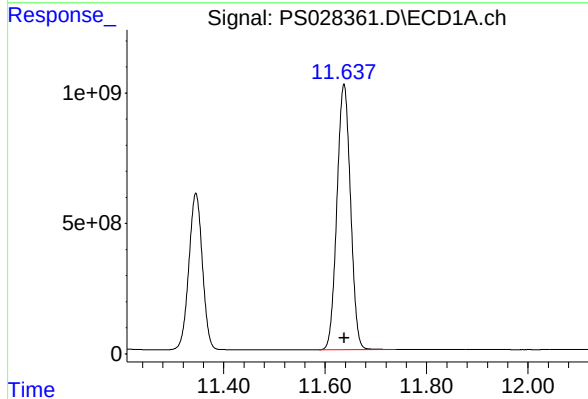
R.T.: 11.150 min  
Delta R.T.: 0.000 min  
Response: 22320924974  
Conc: 710.72 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS110924



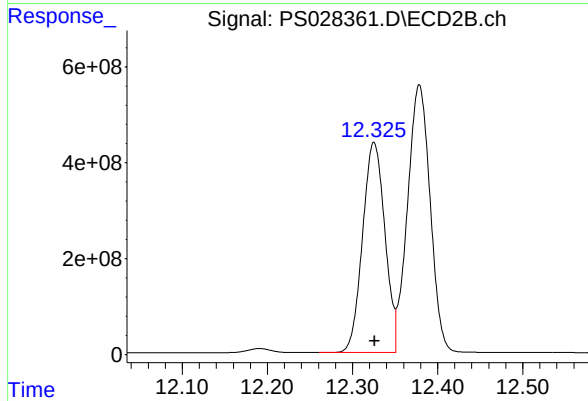
#15 Picloram

R.T.: 12.378 min  
Delta R.T.: 0.000 min  
Response: 10335029141  
Conc: 718.08 ng/ml



#16 DCPA

R.T.: 11.637 min  
Delta R.T.: 0.000 min  
Response: 18930277579  
Conc: 708.30 ng/ml



#16 DCPA

R.T.: 12.325 min  
Delta R.T.: 0.000 min  
Response: 7984398609  
Conc: 712.25 ng/ml



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

## CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.45       | 7.45      | 7.35      | 7.55  | 0.00       |
| 2,4-DCAA         | 7.26       | 7.26      | 7.16      | 7.36  | 0.00       |
| DICHLORPROP      | 8.16       | 8.16      | 8.06      | 8.26  | 0.00       |
| 2,4-D            | 8.39       | 8.39      | 8.29      | 8.49  | 0.00       |
| 2,4,5-TP(Silvex) | 9.27       | 9.28      | 9.18      | 9.38  | 0.01       |
| 2,4,5-T          | 9.57       | 9.57      | 9.47      | 9.67  | 0.00       |
| 2,4-DB           | 10.14      | 10.15     | 10.05     | 10.25 | 0.01       |
| Dinoseb          | 11.36      | 11.36     | 11.26     | 11.46 | 0.00       |



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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/06/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.96       | 7.97      | 7.87      | 8.07  | 0.01       |
| 2,4-DCAA         | 7.76       | 7.77      | 7.67      | 7.87  | 0.01       |
| DICHLORPROP      | 8.68       | 8.68      | 8.58      | 8.78  | 0.00       |
| 2,4-D            | 9.01       | 9.02      | 8.92      | 9.12  | 0.01       |
| 2,4,5-TP(Silvex) | 9.92       | 9.92      | 9.82      | 10.02 | 0.00       |
| 2,4,5-T          | 10.34      | 10.34     | 10.24     | 10.44 | 0.00       |
| 2,4-DB           | 10.91      | 10.91     | 10.81     | 11.01 | 0.00       |
| Dinoseb          | 11.29      | 11.29     | 11.19     | 11.39 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|--------|----------------------|--------|--------------------|-------------------|-----|
| 2,4,5-T          | 9.567  | 9.469                | 9.669  | 767.920            | 712.500           | 7.8 |
| 2,4,5-TP(Silvex) | 9.274  | 9.177                | 9.377  | 764.460            | 712.500           | 7.3 |
| 2,4-D            | 8.391  | 8.294                | 8.494  | 746.130            | 705.000           | 5.8 |
| 2,4-DB           | 10.144 | 10.047               | 10.247 | 761.720            | 712.500           | 6.9 |
| 2,4-DCAA         | 7.260  | 7.162                | 7.362  | 788.410            | 750.000           | 5.1 |
| DICAMBA          | 7.449  | 7.351                | 7.551  | 747.530            | 705.000           | 6.0 |
| DICHLORPROP      | 8.160  | 8.063                | 8.263  | 745.000            | 705.000           | 5.7 |
| Dinoseb          | 11.361 | 11.264               | 11.464 | 760.470            | 705.000           | 7.9 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL01 Date Analyzed: 11/06/2024

Lab Sample No.: HSTDCCC750 Data File : PS028284.D Time Analyzed: 23:03

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 10.342 | 10.244    | 10.444 | 716.510            | 712.500           | 0.6  |
| 2,4,5-TP(Silvex) | 9.921  | 9.823     | 10.023 | 729.370            | 712.500           | 2.4  |
| 2,4-D            | 9.013  | 8.915     | 9.115  | 714.340            | 705.000           | 1.3  |
| 2,4-DB           | 10.909 | 10.812    | 11.012 | 703.300            | 712.500           | -1.3 |
| 2,4-DCAA         | 7.763  | 7.665     | 7.865  | 773.710            | 750.000           | 3.2  |
| DICAMBA          | 7.964  | 7.867     | 8.067  | 747.660            | 705.000           | 6.1  |
| DICHLORPROP      | 8.682  | 8.584     | 8.784  | 725.580            | 705.000           | 2.9  |
| Dinoseb          | 11.290 | 11.191    | 11.391 | 697.660            | 705.000           | -1.0 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028284.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Nov 2024 23:03  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 07 00:45:43 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml    |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|----------|
| -----                       |              |        |        |           |           |         |          |
| System Monitoring Compounds |              |        |        |           |           |         |          |
| 4) S                        | 2,4-DCAA     | 7.260  | 7.763  | 2019.5E6  | 1347.6E6  | 788.414 | 773.706  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.655  | 2.712  | 2504.9E6  | 2001.4E6  | 703.776 | 680.185  |
| 2) T                        | 3,5-DICHL... | 6.428  | 6.713  | 2706.0E6  | 1850.3E6  | 721.824 | 731.101m |
| 3) T                        | 4-Nitroph... | 7.059  | 7.289  | 1173.4E6  | 770.0E6   | 712.201 | 671.950  |
| 5) T                        | DICAMBA      | 7.449  | 7.964  | 8393.7E6  | 6005.6E6  | 747.535 | 747.660  |
| 6) T                        | MCPD         | 7.633  | 8.067  | 583.8E6   | 466.5E6   | 76.990  | 76.830   |
| 7) T                        | MCPA         | 7.784  | 8.313  | 777.8E6   | 615.1E6   | 74.706  | 73.760   |
| 8) T                        | DICHLORPROP  | 8.160  | 8.682  | 2100.4E6  | 1457.9E6  | 744.998 | 725.581  |
| 9) T                        | 2,4-D        | 8.391  | 9.013  | 2354.9E6  | 1593.1E6  | 746.131 | 714.339  |
| 10) T                       | Pentachlo... | 8.691  | 9.544  | 32738.7E6 | 21186.7E6 | 787.696 | 726.450  |
| 11) T                       | 2,4,5-TP ... | 9.274  | 9.921  | 13015.3E6 | 9075.3E6  | 764.456 | 729.366  |
| 12) T                       | 2,4,5-T      | 9.567  | 10.342 | 13312.3E6 | 8789.3E6  | 767.923 | 716.514  |
| 13) T                       | 2,4-DB       | 10.144 | 10.909 | 2153.0E6  | 1114.7E6  | 761.723 | 703.302  |
| 14) T                       | DINOSEB      | 11.361 | 11.290 | 10995.5E6 | 6084.8E6  | 760.465 | 697.664  |
| 15) T                       | Picloram     | 11.165 | 12.390 | 22106.0E6 | 12661.0E6 | 762.304 | 702.132  |
| 16) T                       | DCPA         | 11.654 | 12.337 | 18523.1E6 | 9888.2E6  | 779.616 | 705.774  |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028284.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 23:03  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

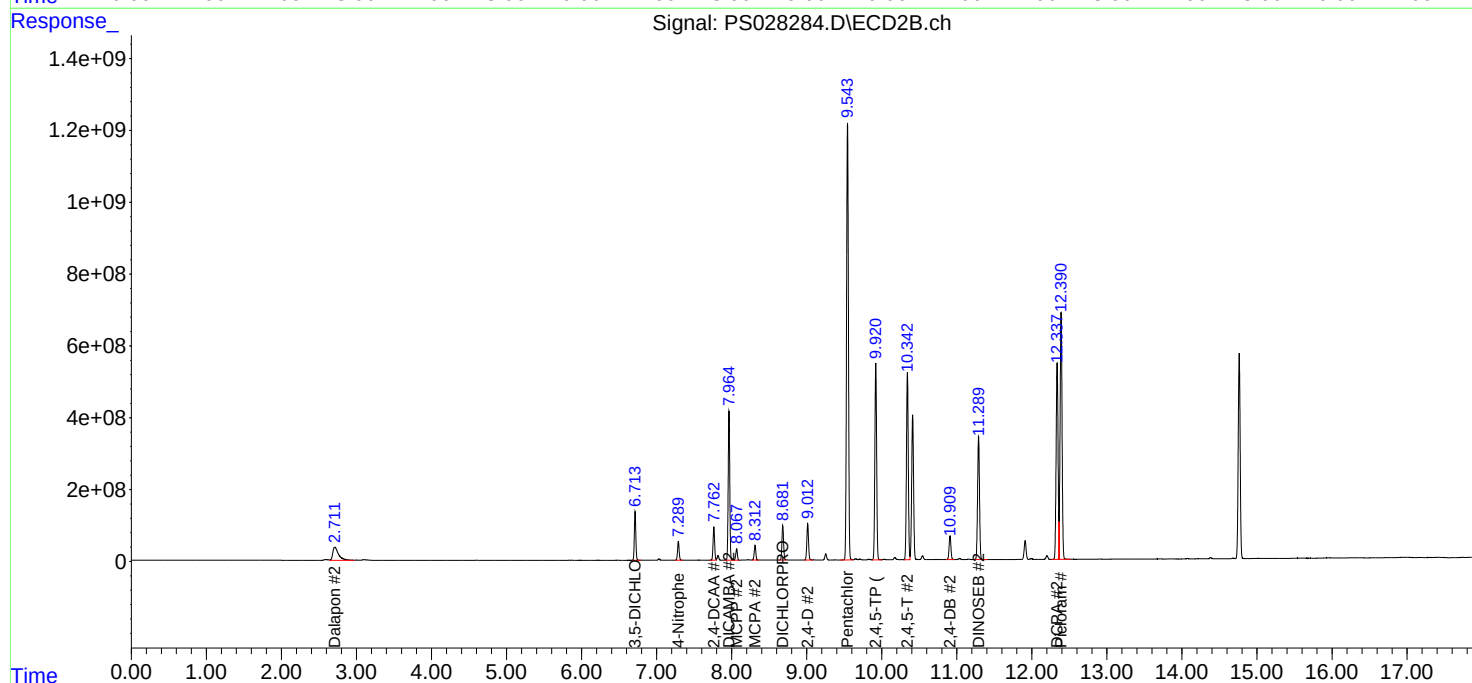
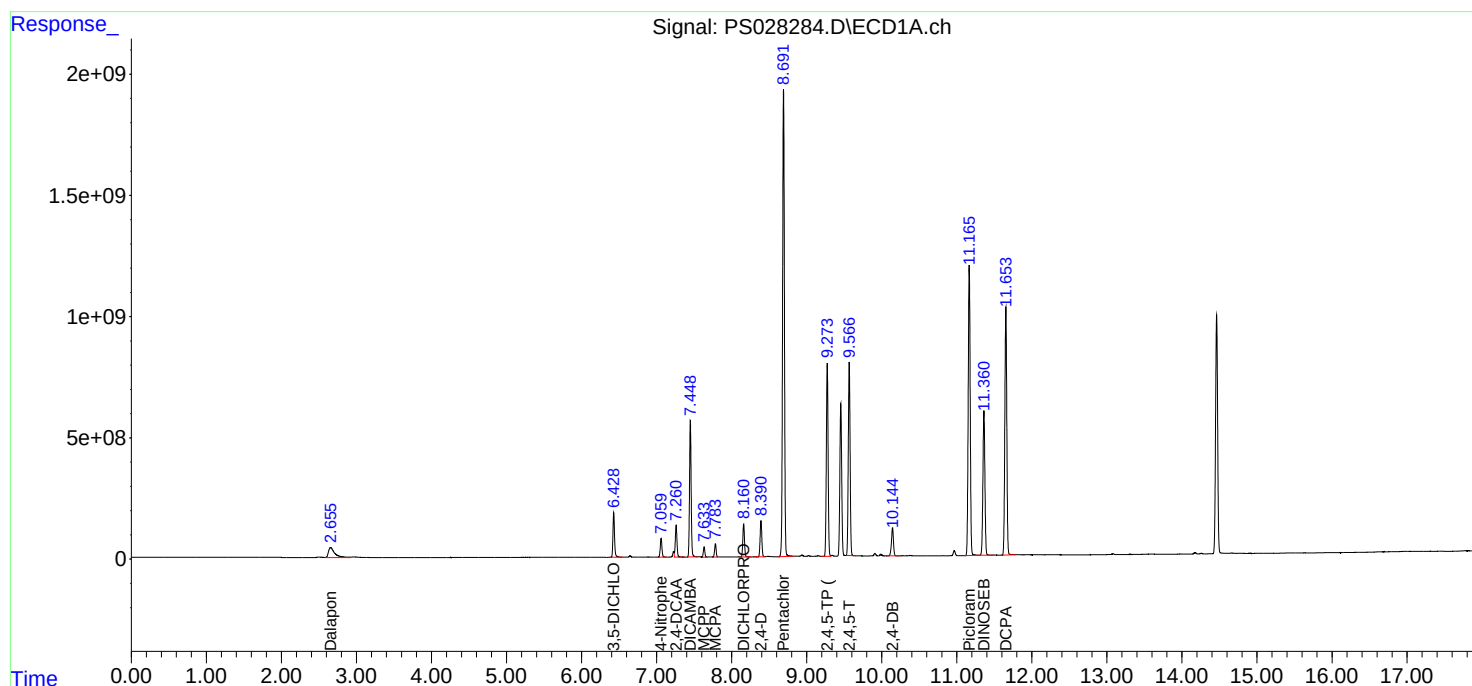
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

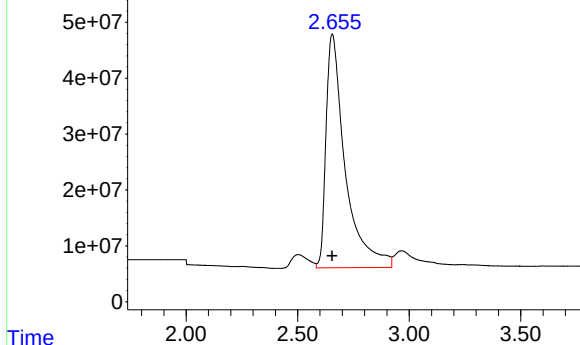
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 00:45:43 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Response\_ Signal: PS028284.D\ECD1A.ch



#1 Dalapon

R.T.: 2.655 min  
Delta R.T.: 0.001 min  
Response: 2504871778  
Conc: 703.78 ng/ml

Instrument :

ECD\_S

ClientSampleId :

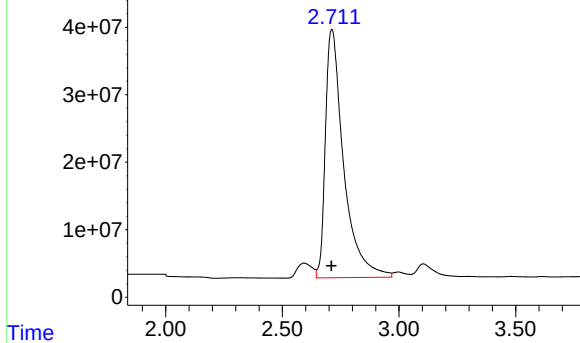
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

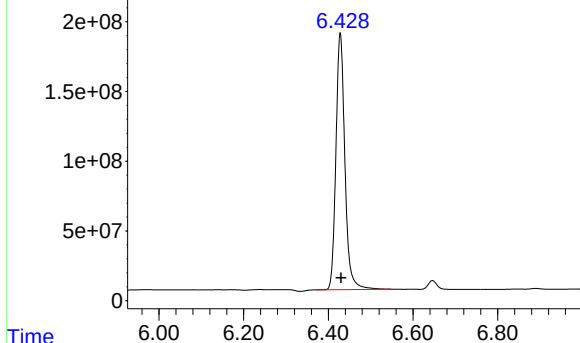
Time Response\_ Signal: PS028284.D\ECD2B.ch



#1 Dalapon

R.T.: 2.712 min  
Delta R.T.: 0.002 min  
Response: 2001440284  
Conc: 680.18 ng/ml

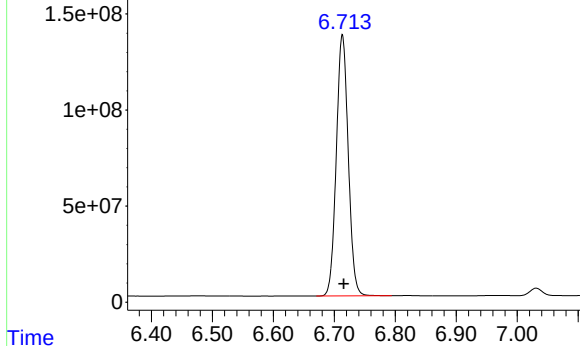
Time Response\_ Signal: PS028284.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.428 min  
Delta R.T.: -0.002 min  
Response: 2705957984  
Conc: 721.82 ng/ml

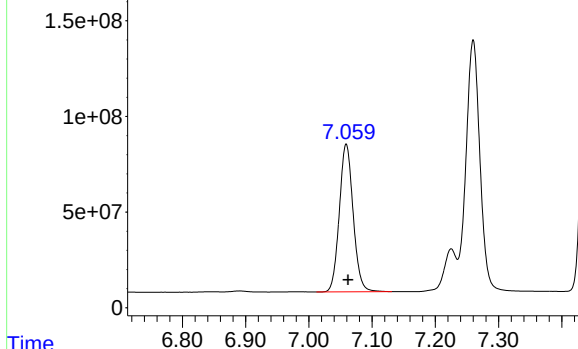
Time Response\_ Signal: PS028284.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min  
Delta R.T.: -0.003 min  
Response: 1850347993  
Conc: 731.10 ng/ml m

Response\_ Signal: PS028284.D\ECD1A.ch



#3 4-Nitrophenol

R.T.: 7.059 min  
Delta R.T.: -0.003 min  
Response: 1173398543  
Conc: 712.20 ng/ml

Instrument :

ECD\_S

ClientSampleId :

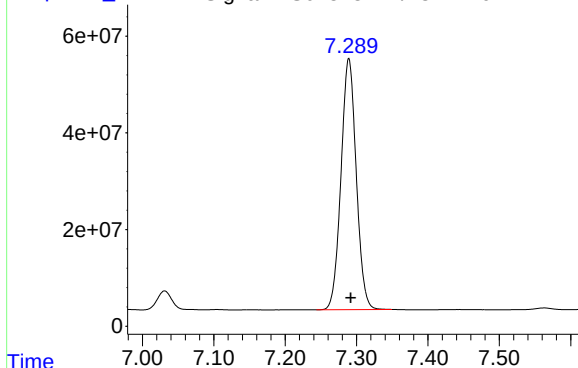
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

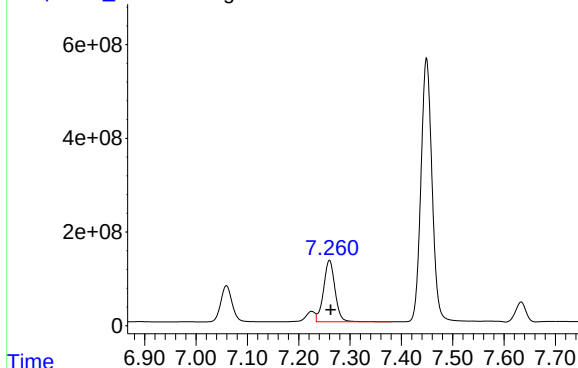
Time Response\_ Signal: PS028284.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.289 min  
Delta R.T.: -0.002 min  
Response: 770018223  
Conc: 671.95 ng/ml

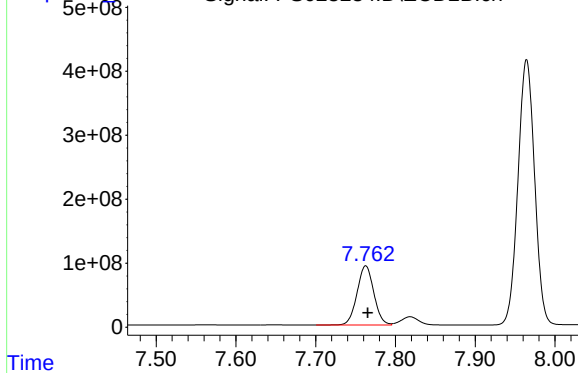
Response\_ Signal: PS028284.D\ECD1A.ch



#4 2,4-DCAA

R.T.: 7.260 min  
Delta R.T.: -0.003 min  
Response: 2019453541  
Conc: 788.41 ng/ml

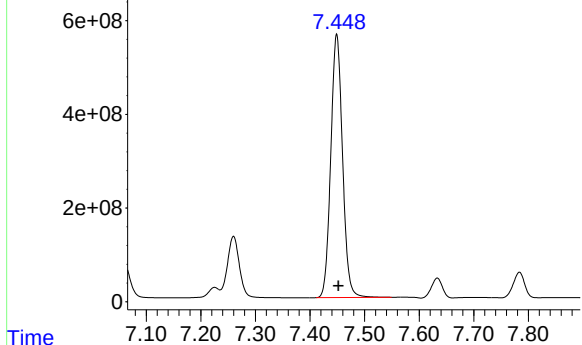
Time Response\_ Signal: PS028284.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.763 min  
Delta R.T.: -0.002 min  
Response: 1347625287  
Conc: 773.71 ng/ml

Response\_ Signal: PS028284.D\ECD1A.ch



#5 DICAMBA

R.T.: 7.449 min  
Delta R.T.: -0.003 min  
Response: 8393721972  
Conc: 747.53 ng/ml

Instrument :

ECD\_S

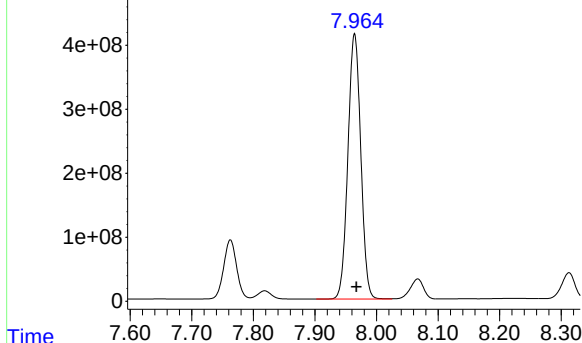
ClientSampleId :

HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

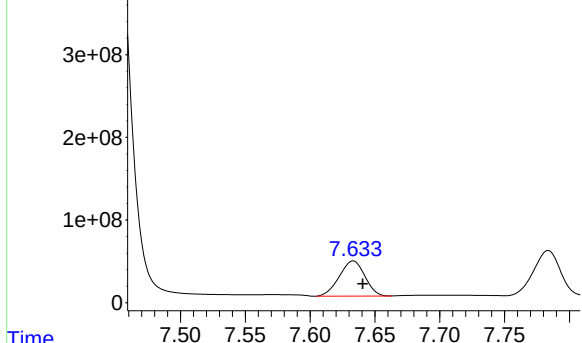
Response\_ Signal: PS028284.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.964 min  
Delta R.T.: -0.003 min  
Response: 6005630495  
Conc: 747.66 ng/ml

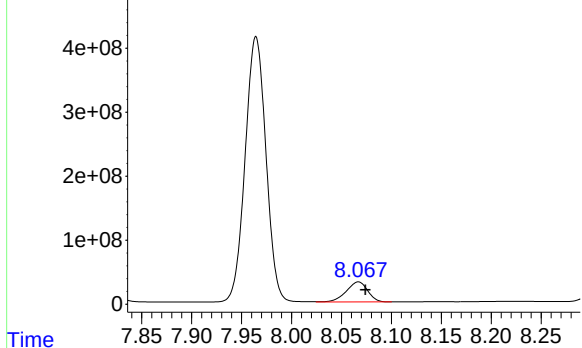
Response\_ Signal: PS028284.D\ECD1A.ch



#6 MCP

R.T.: 7.633 min  
Delta R.T.: -0.007 min  
Response: 583777347  
Conc: 76.99 ug/ml

Response\_ Signal: PS028284.D\ECD2B.ch

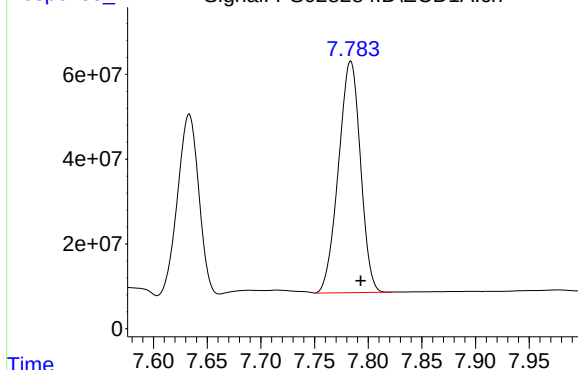


#6 MCP

R.T.: 8.067 min  
Delta R.T.: -0.007 min  
Response: 466457076  
Conc: 76.83 ug/ml

Response\_ Signal: PS028284.D\ECD1A.ch

#7 MCPA



R.T.: 7.784 min  
Delta R.T.: -0.009 min  
Response: 777769100  
Conc: 74.71 ug/ml

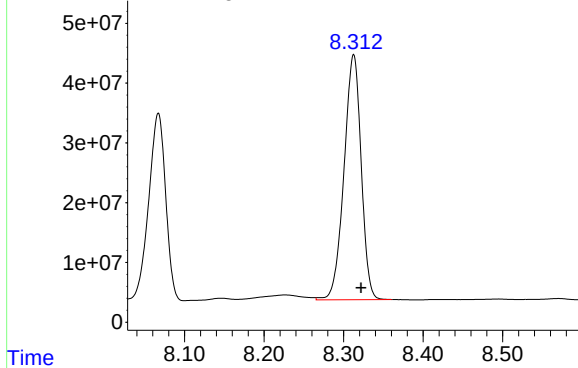
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028284.D\ECD2B.ch

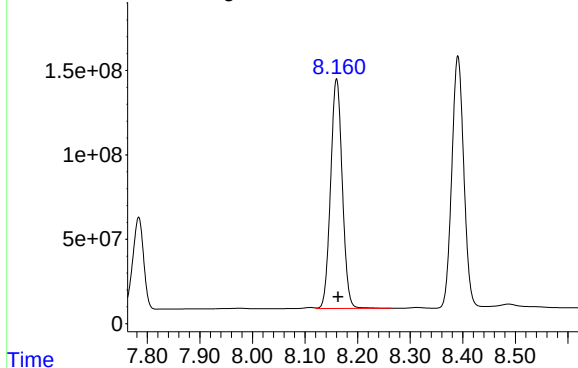
#7 MCPA



R.T.: 8.313 min  
Delta R.T.: -0.009 min  
Response: 615054934  
Conc: 73.76 ug/ml

Time Response\_ Signal: PS028284.D\ECD1A.ch

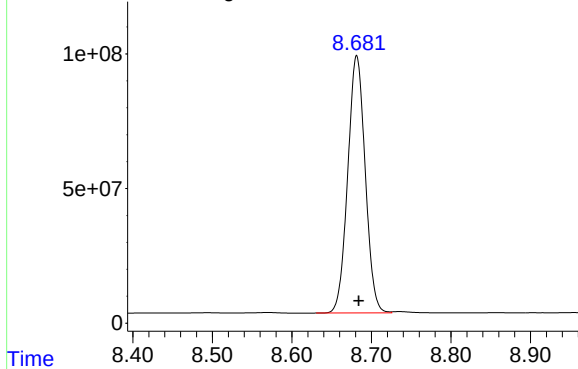
#8 DICHLORPROP



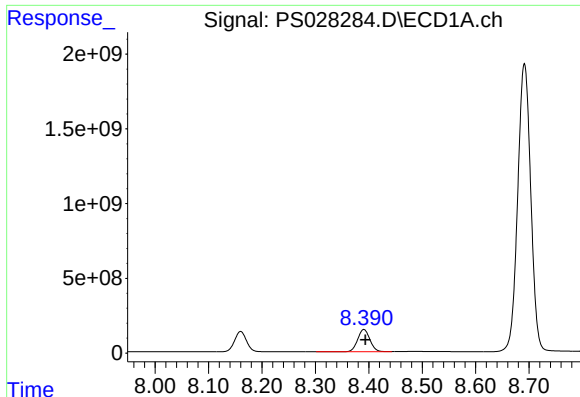
R.T.: 8.160 min  
Delta R.T.: -0.003 min  
Response: 2100358643  
Conc: 745.00 ng/ml

Time Response\_ Signal: PS028284.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.682 min  
Delta R.T.: -0.002 min  
Response: 1457869171  
Conc: 725.58 ng/ml



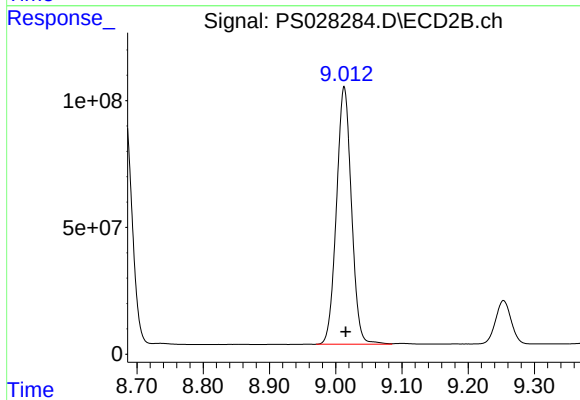
#9 2,4-D

R.T.: 8.391 min  
Delta R.T.: -0.003 min  
Response: 2354871541  
Conc: 746.13 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

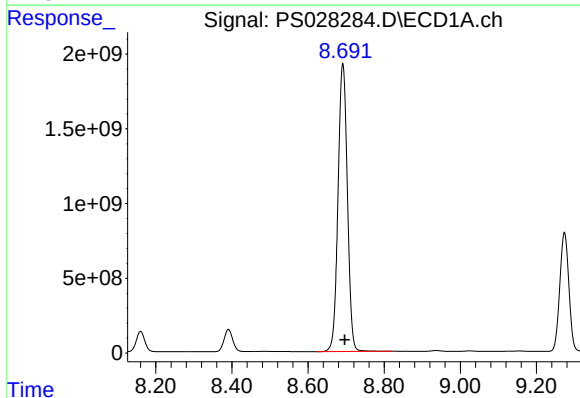
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



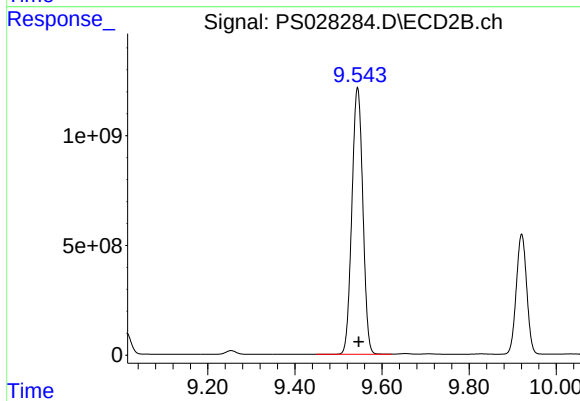
#9 2,4-D

R.T.: 9.013 min  
Delta R.T.: -0.002 min  
Response: 1593074283  
Conc: 714.34 ng/ml



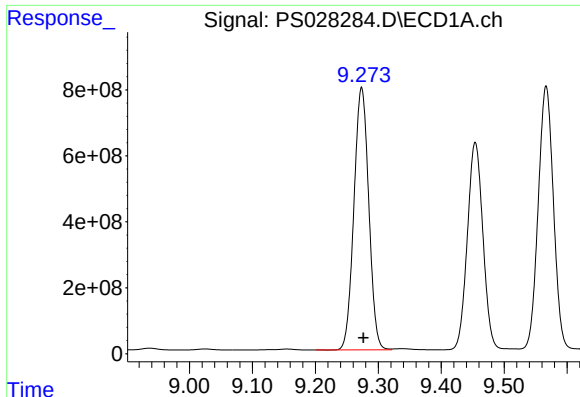
#10 Pentachlorophenol

R.T.: 8.691 min  
Delta R.T.: -0.005 min  
Response: 32738746769  
Conc: 787.70 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min  
Delta R.T.: -0.003 min  
Response: 21186672843  
Conc: 726.45 ng/ml



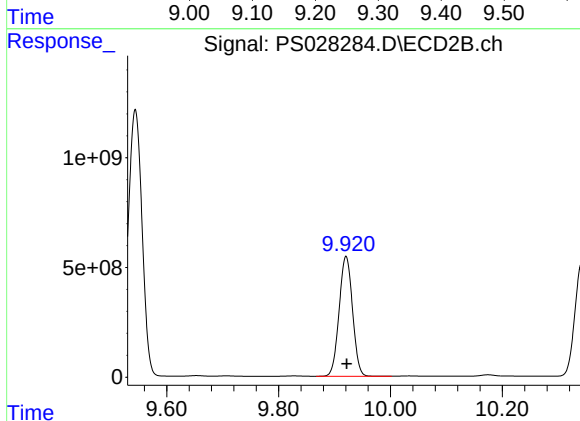
#11 2,4,5-TP (SILVEX)

R.T.: 9.274 min  
Delta R.T.: -0.003 min  
Response: 13015340182  
Conc: 764.46 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

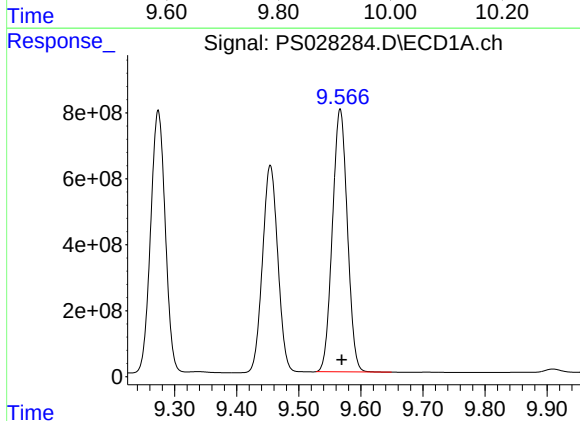
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



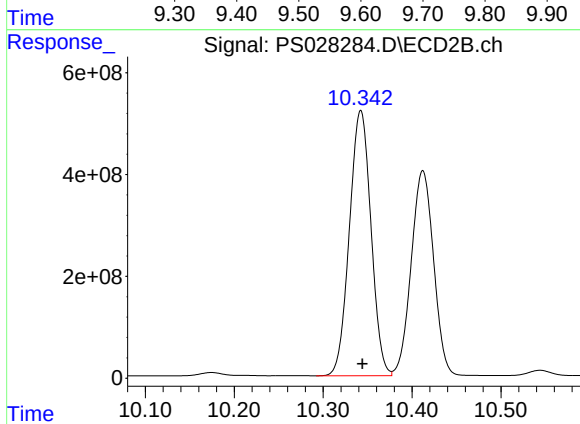
#11 2,4,5-TP (SILVEX)

R.T.: 9.921 min  
Delta R.T.: -0.001 min  
Response: 9075284445  
Conc: 729.37 ng/ml



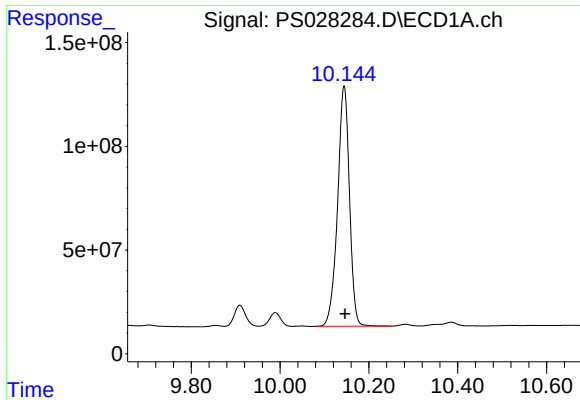
#12 2,4,5-T

R.T.: 9.567 min  
Delta R.T.: -0.003 min  
Response: 13312348193  
Conc: 767.92 ng/ml



#12 2,4,5-T

R.T.: 10.342 min  
Delta R.T.: -0.002 min  
Response: 8789321583  
Conc: 716.51 ng/ml



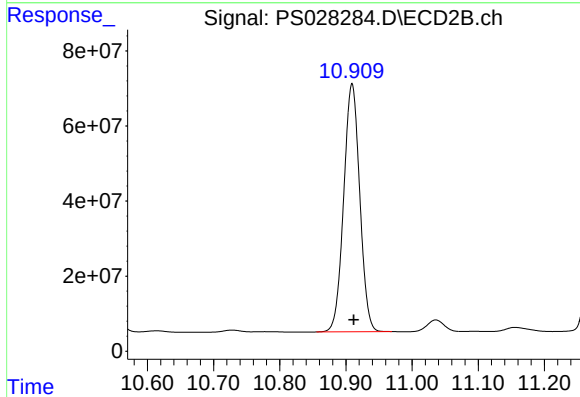
#13 2,4-DB

R.T.: 10.144 min  
Delta R.T.: -0.002 min  
Response: 2153037126  
Conc: 761.72 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

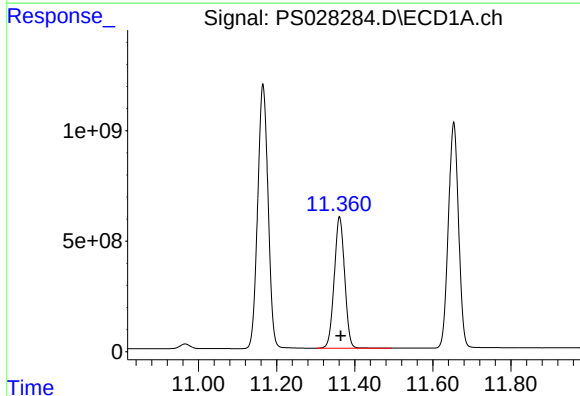
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



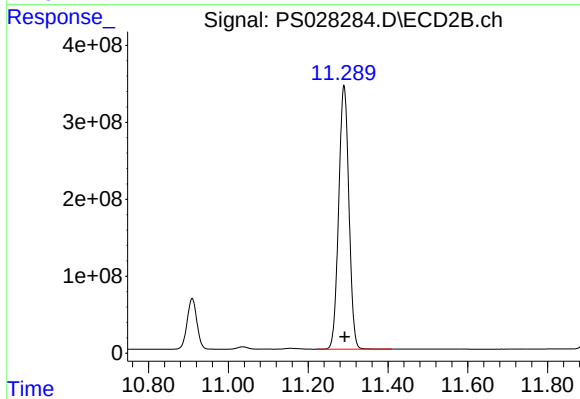
#13 2,4-DB

R.T.: 10.909 min  
Delta R.T.: -0.003 min  
Response: 1114663200  
Conc: 703.30 ng/ml



#14 DINOSEB

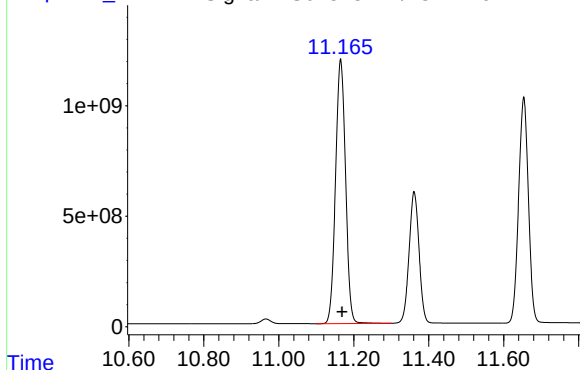
R.T.: 11.361 min  
Delta R.T.: -0.003 min  
Response: 10995543423  
Conc: 760.47 ng/ml



#14 DINOSEB

R.T.: 11.290 min  
Delta R.T.: -0.002 min  
Response: 6084779705  
Conc: 697.66 ng/ml

Response\_ Signal: PS028284.D\ECD1A.ch



#15 Picloram

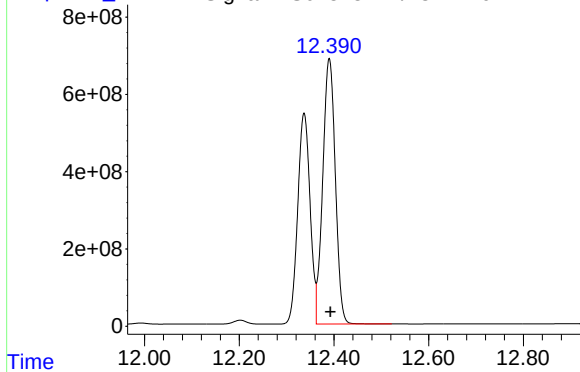
R.T.: 11.165 min  
Delta R.T.: -0.004 min  
Response: 22105968026  
Conc: 762.30 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

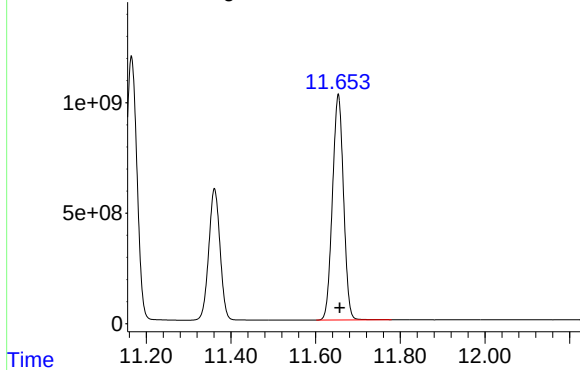
Response\_ Signal: PS028284.D\ECD2B.ch



#15 Picloram

R.T.: 12.390 min  
Delta R.T.: -0.002 min  
Response: 12660958973  
Conc: 702.13 ng/ml

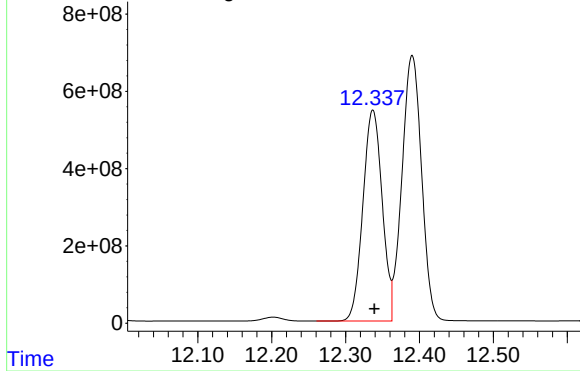
Response\_ Signal: PS028284.D\ECD1A.ch



#16 DCPA

R.T.: 11.654 min  
Delta R.T.: -0.003 min  
Response: 18523112930  
Conc: 779.62 ng/ml

Response\_ Signal: PS028284.D\ECD2B.ch



#16 DCPA

R.T.: 12.337 min  
Delta R.T.: -0.002 min  
Response: 9888239659  
Conc: 705.77 ng/ml





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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.45       | 7.45      | 7.35      | 7.55  | 0.00       |
| 2,4-DCAA         | 7.26       | 7.26      | 7.16      | 7.36  | 0.00       |
| DICHLORPROP      | 8.16       | 8.16      | 8.06      | 8.26  | 0.00       |
| 2,4-D            | 8.39       | 8.39      | 8.29      | 8.49  | 0.00       |
| 2,4,5-TP(Silvex) | 9.27       | 9.28      | 9.18      | 9.38  | 0.01       |
| 2,4,5-T          | 9.56       | 9.57      | 9.47      | 9.67  | 0.01       |
| 2,4-DB           | 10.14      | 10.15     | 10.05     | 10.25 | 0.01       |
| Dinoseb          | 11.36      | 11.36     | 11.26     | 11.46 | 0.00       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.96       | 7.97      | 7.87                   | 8.07  | 0.01       |
| 2,4-DCAA         | 7.76       | 7.77      | 7.67                   | 7.87  | 0.01       |
| DICHLORPROP      | 8.68       | 8.68      | 8.58                   | 8.78  | 0.00       |
| 2,4-D            | 9.01       | 9.02      | 8.92                   | 9.12  | 0.01       |
| 2,4,5-TP(Silvex) | 9.92       | 9.92      | 9.82                   | 10.02 | 0.00       |
| 2,4,5-T          | 10.34      | 10.34     | 10.24                  | 10.44 | 0.00       |
| 2,4-DB           | 10.91      | 10.91     | 10.81                  | 11.01 | 0.00       |
| Dinoseb          | 11.29      | 11.29     | 11.19                  | 11.39 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|--------|----------------------|--------|--------------------|-------------------|-----|
| 2,4,5-T          | 9.563  | 9.469                | 9.669  | 769.290            | 712.500           | 8.0 |
| 2,4,5-TP(Silvex) | 9.270  | 9.177                | 9.377  | 773.230            | 712.500           | 8.5 |
| 2,4-D            | 8.388  | 8.294                | 8.494  | 749.690            | 705.000           | 6.3 |
| 2,4-DB           | 10.141 | 10.047               | 10.247 | 767.890            | 712.500           | 7.8 |
| 2,4-DCAA         | 7.258  | 7.162                | 7.362  | 772.740            | 750.000           | 3.0 |
| DICAMBA          | 7.447  | 7.351                | 7.551  | 749.460            | 705.000           | 6.3 |
| DICHLORPROP      | 8.157  | 8.063                | 8.263  | 750.990            | 705.000           | 6.5 |
| Dinoseb          | 11.358 | 11.264               | 11.464 | 757.790            | 705.000           | 7.5 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028297.D Time Analyzed: 04:40

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 10.340 | 10.244               | 10.444 | 706.210            | 712.500           | -0.9 |
| 2,4,5-TP(Silvex) | 9.918  | 9.823                | 10.023 | 718.100            | 712.500           | 0.8  |
| 2,4-D            | 9.011  | 8.915                | 9.115  | 700.360            | 705.000           | -0.7 |
| 2,4-DB           | 10.908 | 10.812               | 11.012 | 688.940            | 712.500           | -3.3 |
| 2,4-DCAA         | 7.761  | 7.665                | 7.865  | 760.410            | 750.000           | 1.4  |
| DICAMBA          | 7.963  | 7.867                | 8.067  | 732.640            | 705.000           | 3.9  |
| DICHLORPROP      | 8.680  | 8.584                | 8.784  | 712.320            | 705.000           | 1.0  |
| Dinoseb          | 11.287 | 11.191               | 11.391 | 668.880            | 705.000           | -5.1 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028297.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 04:40  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 07 04:59:31 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |              |        |        |           |           |          |         |
| System Monitoring Compounds |              |        |        |           |           |          |         |
| 4) S                        | 2,4-DCAA     | 7.258  | 7.761  | 1979.3E6  | 1324.5E6  | 772.735m | 760.408 |
| Target Compounds            |              |        |        |           |           |          |         |
| 1) T                        | Dalapon      | 2.651  | 2.711  | 2447.7E6  | 2017.8E6  | 687.715  | 685.759 |
| 2) T                        | 3,5-DICHL... | 6.426  | 6.712  | 2715.8E6  | 1813.9E6  | 724.456  | 716.703 |
| 3) T                        | 4-Nitroph... | 7.057  | 7.288  | 1173.7E6  | 754.7E6   | 712.370  | 658.588 |
| 5) T                        | DICAMBA      | 7.447  | 7.963  | 8415.3E6  | 5884.9E6  | 749.460  | 732.636 |
| 6) T                        | MCPD         | 7.631  | 8.065  | 587.9E6   | 457.1E6   | 77.532   | 75.284  |
| 7) T                        | MCPA         | 7.781  | 8.311  | 781.5E6   | 601.2E6   | 75.065   | 72.101  |
| 8) T                        | DICHLORPROP  | 8.157  | 8.680  | 2117.3E6  | 1431.2E6  | 750.992  | 712.315 |
| 9) T                        | 2,4-D        | 8.388  | 9.011  | 2366.1E6  | 1561.9E6  | 749.692m | 700.363 |
| 10) T                       | Pentachlo... | 8.689  | 9.542  | 33059.9E6 | 20826.7E6 | 795.422  | 714.108 |
| 11) T                       | 2,4,5-TP ... | 9.270  | 9.918  | 13164.7E6 | 8935.0E6  | 773.230  | 718.096 |
| 12) T                       | 2,4,5-T      | 9.563  | 10.340 | 13336.0E6 | 8662.9E6  | 769.288  | 706.208 |
| 13) T                       | 2,4-DB       | 10.141 | 10.908 | 2170.5E6  | 1091.9E6  | 767.888  | 688.942 |
| 14) T                       | DINOSEB      | 11.358 | 11.287 | 10956.8E6 | 5833.7E6  | 757.789  | 668.875 |
| 15) T                       | Picloram     | 11.162 | 12.387 | 22210.9E6 | 12292.8E6 | 765.921  | 681.714 |
| 16) T                       | DCPA         | 11.650 | 12.334 | 18752.5E6 | 9655.6E6  | 789.271  | 689.171 |
| -----                       |              |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028297.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 04:40  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

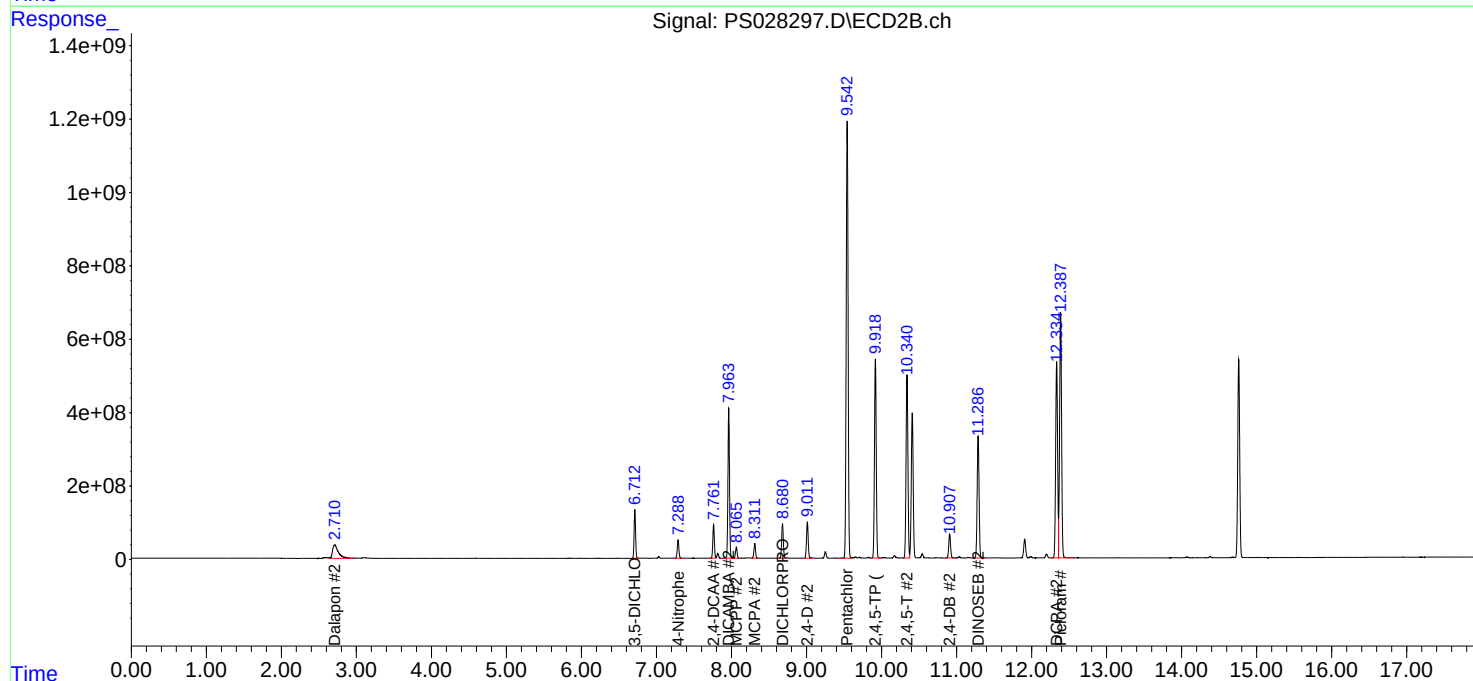
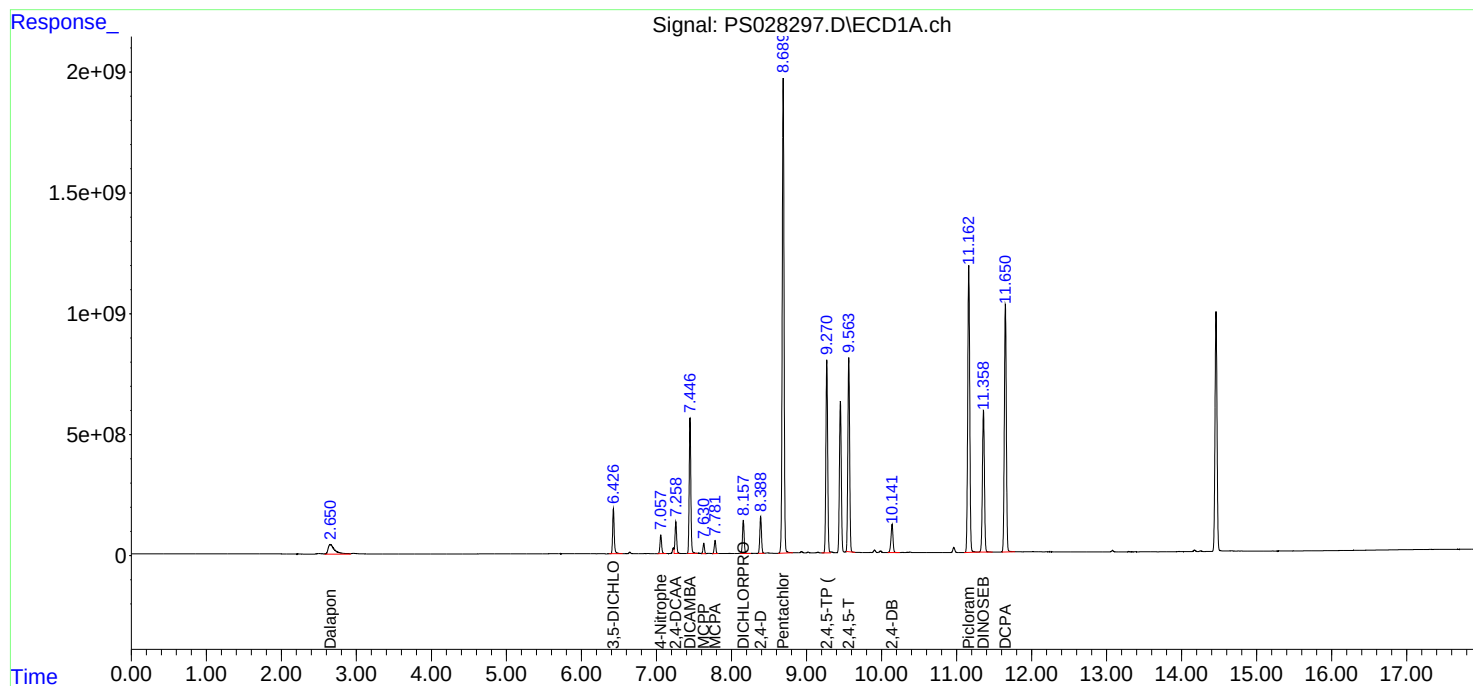
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

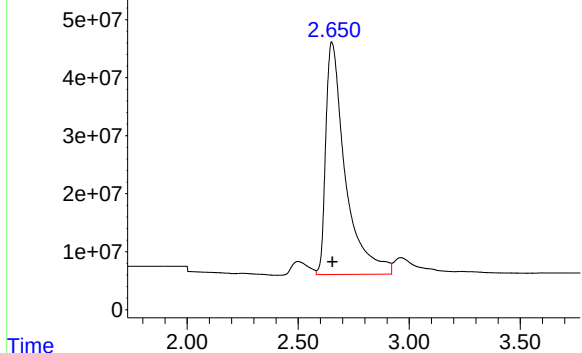
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 04:59:31 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028297.D\ECD1A.ch



#1 Dalapon

R.T.: 2.651 min  
Delta R.T.: -0.003 min  
Response: 2447708491  
Conc: 687.71 ng/ml

Instrument :

ECD\_S

ClientSampleId :

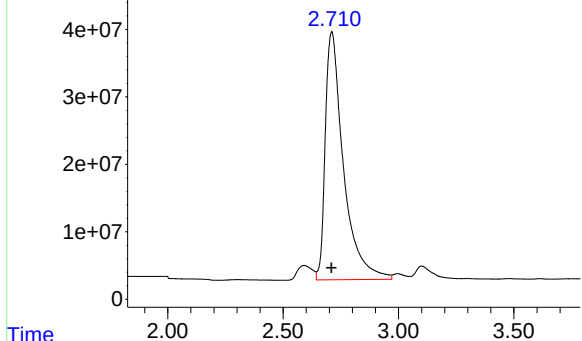
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

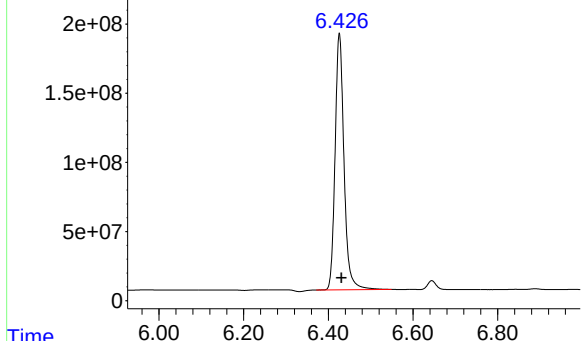
Time Response\_ Signal: PS028297.D\ECD2B.ch



#1 Dalapon

R.T.: 2.711 min  
Delta R.T.: 0.000 min  
Response: 2017840879  
Conc: 685.76 ng/ml

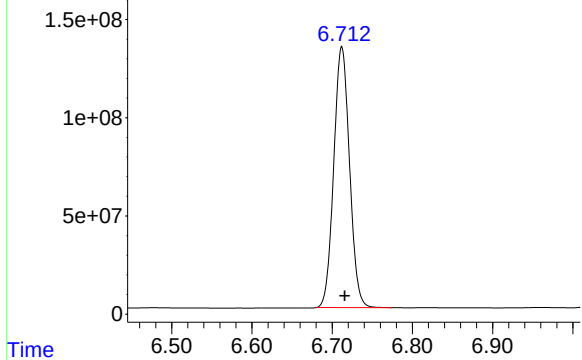
Time Response\_ Signal: PS028297.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

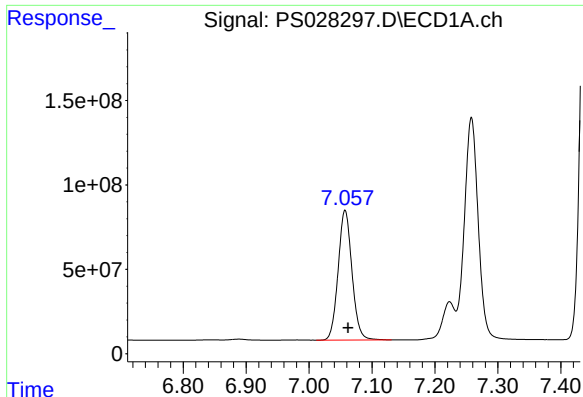
R.T.: 6.426 min  
Delta R.T.: -0.004 min  
Response: 2715827138  
Conc: 724.46 ng/ml

Time Response\_ Signal: PS028297.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min  
Delta R.T.: -0.004 min  
Response: 1813907703  
Conc: 716.70 ng/ml



## #3 4-Nitrophenol

R.T.: 7.057 min  
Delta R.T.: -0.005 min  
Response: 1173677049  
Conc: 712.37 ng/ml

Instrument :

ECD\_S

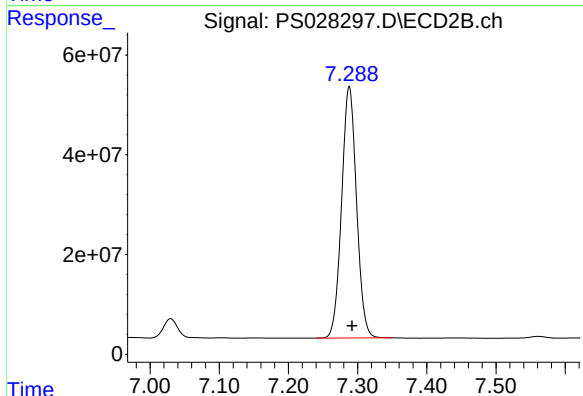
ClientSampleId :

HSTDCCC750

## Manual Integrations

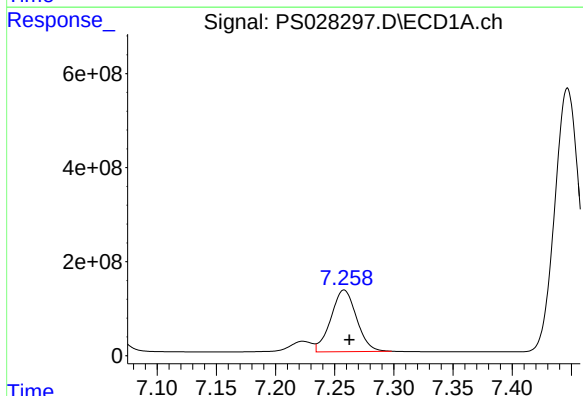
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



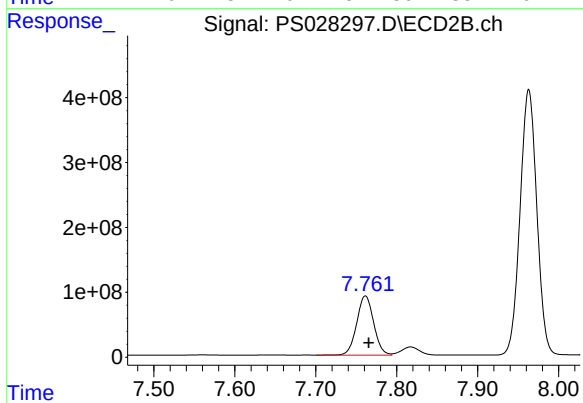
## #3 4-Nitrophenol

R.T.: 7.288 min  
Delta R.T.: -0.004 min  
Response: 754706050  
Conc: 658.59 ng/ml



## #4 2,4-DCAA

R.T.: 7.258 min  
Delta R.T.: -0.005 min  
Response: 1979294940  
Conc: 772.74 ng/ml m

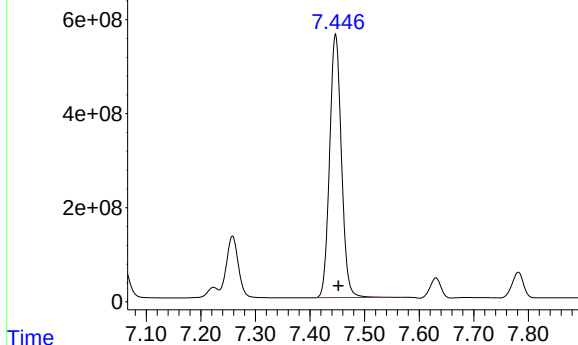


## #4 2,4-DCAA

R.T.: 7.761 min  
Delta R.T.: -0.004 min  
Response: 1324463824  
Conc: 760.41 ng/ml



Response\_ Signal: PS028297.D\ECD1A.ch



#5 DICAMBA

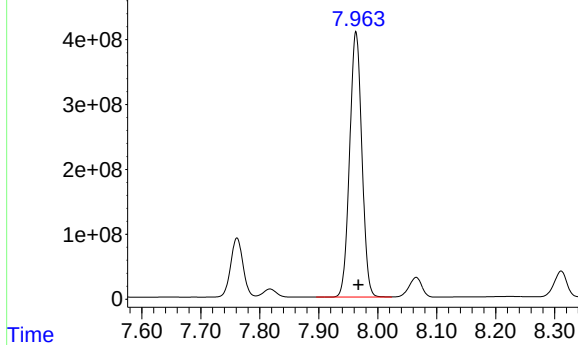
R.T.: 7.447 min  
Delta R.T.: -0.005 min  
Response: 8415345854  
Conc: 749.46 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

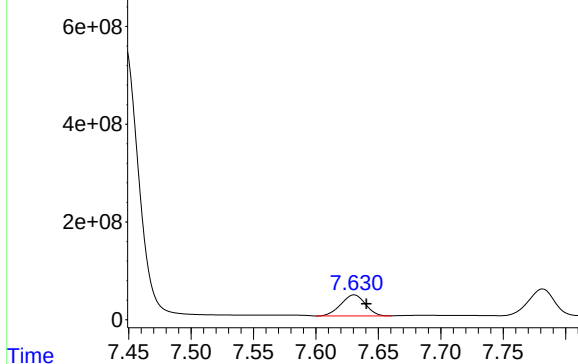
Response\_ Signal: PS028297.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.963 min  
Delta R.T.: -0.004 min  
Response: 5884942006  
Conc: 732.64 ng/ml

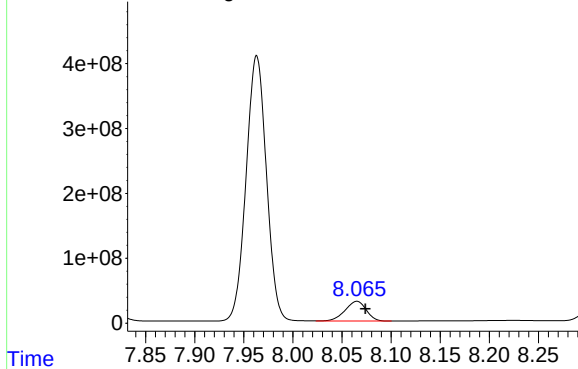
Response\_ Signal: PS028297.D\ECD1A.ch



#6 MCP

R.T.: 7.631 min  
Delta R.T.: -0.010 min  
Response: 587884296  
Conc: 77.53 ug/ml

Response\_ Signal: PS028297.D\ECD2B.ch

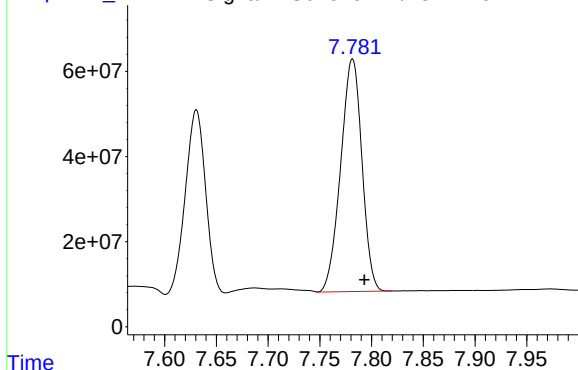


#6 MCP

R.T.: 8.065 min  
Delta R.T.: -0.009 min  
Response: 457067997  
Conc: 75.28 ug/ml

Response\_ Signal: PS028297.D\ECD1A.ch

#7 MCPA



R.T.: 7.781 min  
Delta R.T.: -0.011 min  
Response: 781510807  
Conc: 75.06 ug/ml

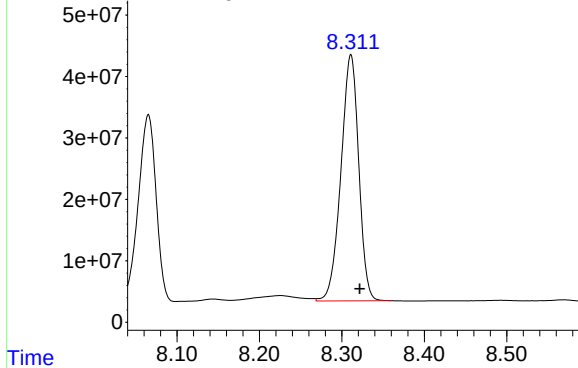
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028297.D\ECD2B.ch

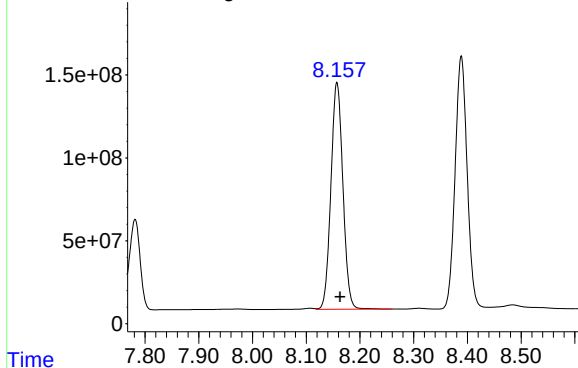
#7 MCPA



R.T.: 8.311 min  
Delta R.T.: -0.011 min  
Response: 601224981  
Conc: 72.10 ug/ml

Time Response\_ Signal: PS028297.D\ECD1A.ch

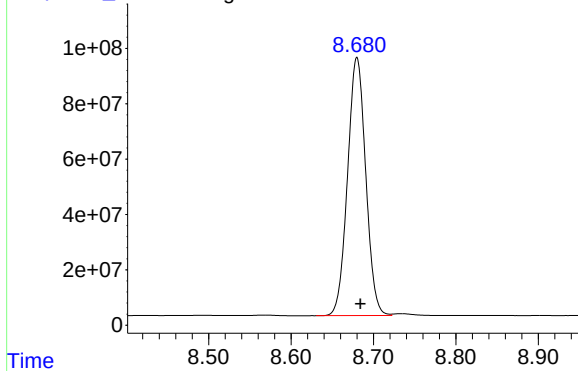
#8 DICHLORPROP



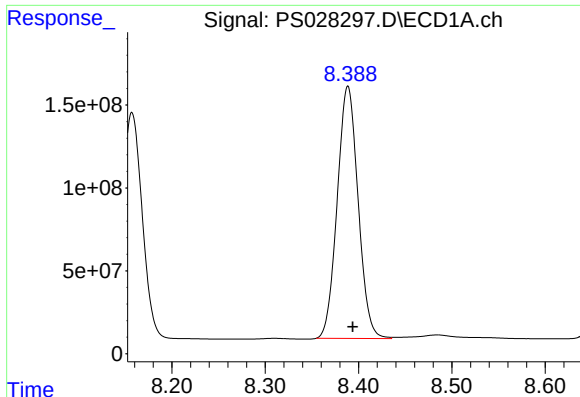
R.T.: 8.157 min  
Delta R.T.: -0.006 min  
Response: 2117256446  
Conc: 750.99 ng/ml

Time Response\_ Signal: PS028297.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.680 min  
Delta R.T.: -0.004 min  
Response: 1431214190  
Conc: 712.32 ng/ml



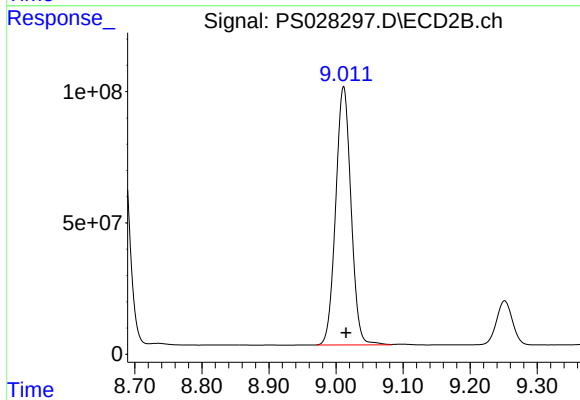
#9 2,4-D

R.T.: 8.388 min  
Delta R.T.: -0.005 min  
Response: 2366108448  
Conc: 749.69 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

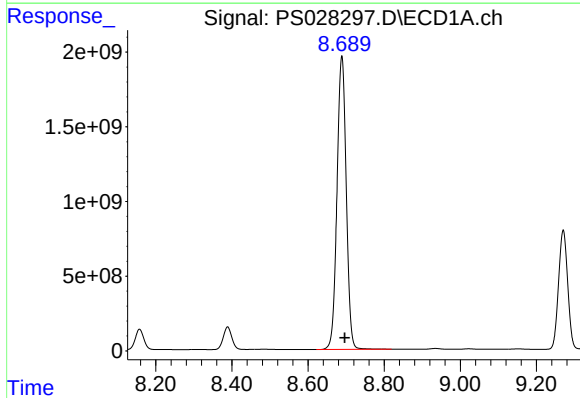
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



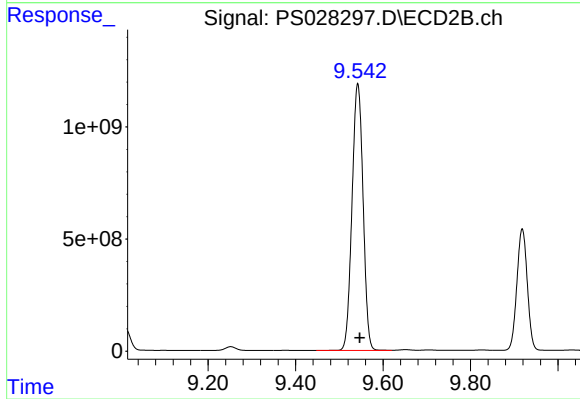
#9 2,4-D

R.T.: 9.011 min  
Delta R.T.: -0.004 min  
Response: 1561907684  
Conc: 700.36 ng/ml



#10 Pentachlorophenol

R.T.: 8.689 min  
Delta R.T.: -0.007 min  
Response: 33059857293  
Conc: 795.42 ng/ml



#10 Pentachlorophenol

R.T.: 9.542 min  
Delta R.T.: -0.004 min  
Response: 20826732704  
Conc: 714.11 ng/ml

Response\_

Signal: PS028297.D\ECD1A.ch

#11 2,4,5-TP (SILVEX)

R.T.: 9.270 min  
Delta R.T.: -0.006 min  
Response: 13164723446  
Conc: 773.23 ng/ml

Instrument :

ECD\_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028297.D\ECD2B.ch

#11 2,4,5-TP (SILVEX)

R.T.: 9.918 min  
Delta R.T.: -0.004 min  
Response: 8935045430  
Conc: 718.10 ng/ml

Time

Response\_

Signal: PS028297.D\ECD1A.ch

#12 2,4,5-T

R.T.: 9.563 min  
Delta R.T.: -0.006 min  
Response: 13336005465  
Conc: 769.29 ng/ml

Time

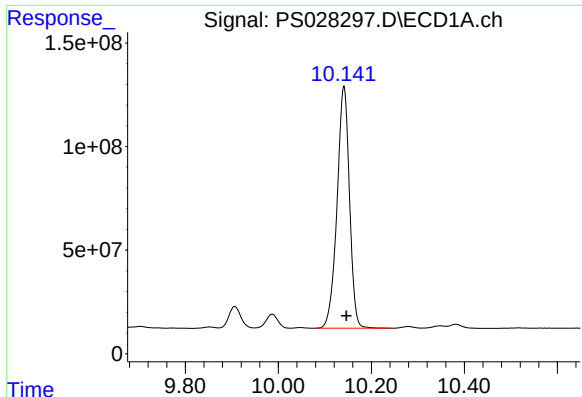
Response\_

Signal: PS028297.D\ECD2B.ch

#12 2,4,5-T

R.T.: 10.340 min  
Delta R.T.: -0.004 min  
Response: 8662905196  
Conc: 706.21 ng/ml

Time



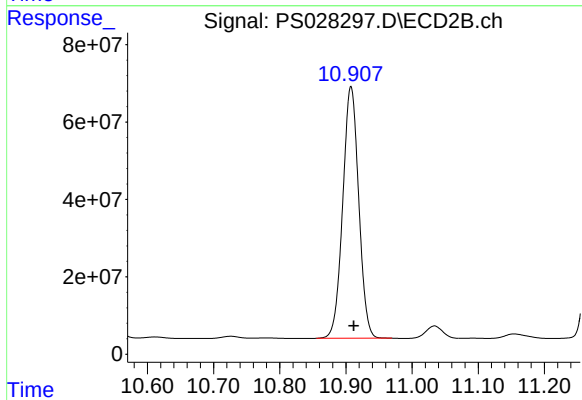
#13 2,4-DB

R.T.: 10.141 min  
Delta R.T.: -0.006 min  
Response: 2170462023  
Conc: 767.89 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

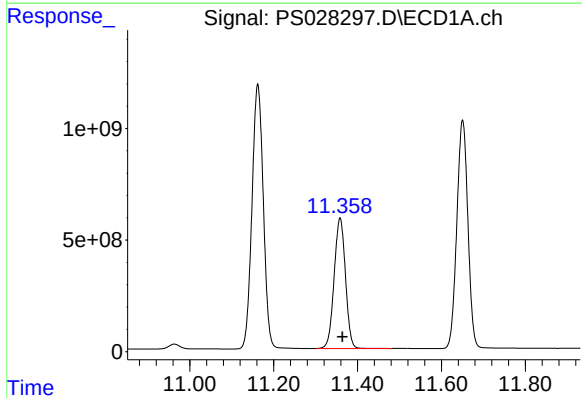
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



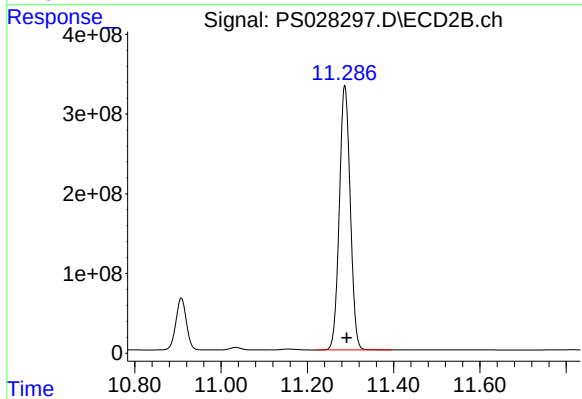
#13 2,4-DB

R.T.: 10.908 min  
Delta R.T.: -0.004 min  
Response: 1091903107  
Conc: 688.94 ng/ml



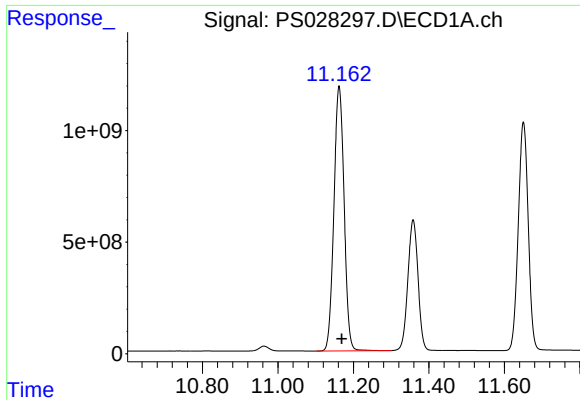
#14 DINOSEB

R.T.: 11.358 min  
Delta R.T.: -0.006 min  
Response: 10956846395  
Conc: 757.79 ng/ml



#14 DINOSEB

R.T.: 11.287 min  
Delta R.T.: -0.005 min  
Response: 5833697774  
Conc: 668.88 ng/ml



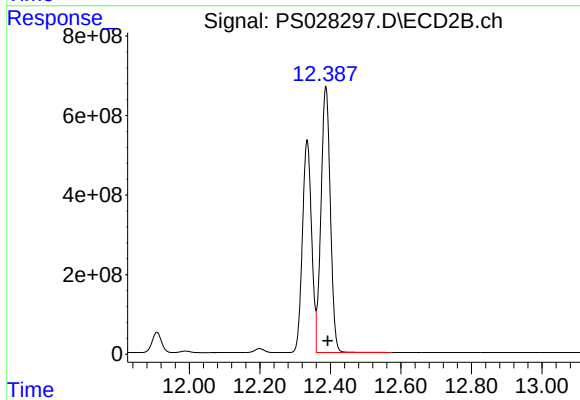
#15 Picloram

R.T.: 11.162 min  
Delta R.T.: -0.007 min  
Response: 22210875108  
Conc: 765.92 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

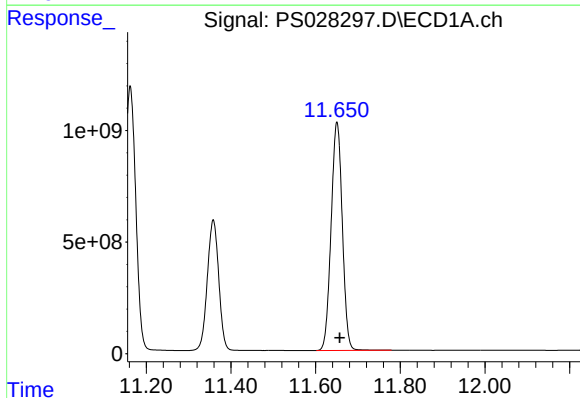
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



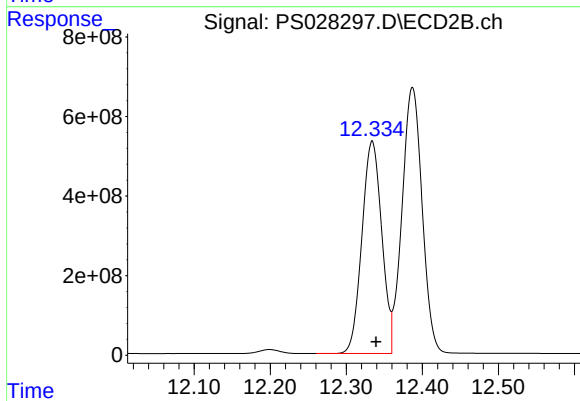
#15 Picloram

R.T.: 12.387 min  
Delta R.T.: -0.005 min  
Response: 12292771960  
Conc: 681.71 ng/ml



#16 DCPA

R.T.: 11.650 min  
Delta R.T.: -0.006 min  
Response: 18752509291  
Conc: 789.27 ng/ml



#16 DCPA

R.T.: 12.334 min  
Delta R.T.: -0.005 min  
Response: 9655633050  
Conc: 689.17 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.45       | 7.45      | 7.35      | 7.55  | 0.00       |
| 2,4-DCAA         | 7.26       | 7.26      | 7.16      | 7.36  | 0.00       |
| DICHLORPROP      | 8.16       | 8.16      | 8.06      | 8.26  | 0.00       |
| 2,4-D            | 8.39       | 8.39      | 8.29      | 8.49  | 0.00       |
| 2,4,5-TP(Silvex) | 9.27       | 9.28      | 9.18      | 9.38  | 0.01       |
| 2,4,5-T          | 9.56       | 9.57      | 9.47      | 9.67  | 0.01       |
| 2,4-DB           | 10.14      | 10.15     | 10.05     | 10.25 | 0.01       |
| Dinoseb          | 11.36      | 11.36     | 11.26     | 11.46 | 0.01       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 Initial Calibration Time(s): 09:48 11:24

GC Column: RTX-CLP2 ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.96       | 7.97      | 7.87                   | 8.07  | 0.01       |
| 2,4-DCAA         | 7.76       | 7.77      | 7.67                   | 7.87  | 0.01       |
| DICHLORPROP      | 8.68       | 8.68      | 8.58                   | 8.78  | 0.00       |
| 2,4-D            | 9.01       | 9.02      | 8.92                   | 9.12  | 0.01       |
| 2,4,5-TP(Silvex) | 9.92       | 9.92      | 9.82                   | 10.02 | 0.00       |
| 2,4,5-T          | 10.34      | 10.34     | 10.24                  | 10.44 | 0.00       |
| 2,4-DB           | 10.91      | 10.91     | 10.81                  | 11.01 | 0.00       |
| Dinoseb          | 11.29      | 11.29     | 11.19                  | 11.39 | 0.00       |





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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028309.D Time Analyzed: 09:52

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 9.560  | 9.469                | 9.669  | 779.290            | 712.500           | 9.4  |
| 2,4,5-TP(Silvex) | 9.269  | 9.177                | 9.377  | 775.150            | 712.500           | 8.8  |
| 2,4-D            | 8.387  | 8.294                | 8.494  | 754.140            | 705.000           | 7.0  |
| 2,4-DB           | 10.138 | 10.047               | 10.247 | 770.820            | 712.500           | 8.2  |
| 2,4-DCAA         | 7.256  | 7.162                | 7.362  | 795.060            | 750.000           | 6.0  |
| DICAMBA          | 7.446  | 7.351                | 7.551  | 753.900            | 705.000           | 6.9  |
| DICHLORPROP      | 8.156  | 8.063                | 8.263  | 754.970            | 705.000           | 7.1  |
| Dinoseb          | 11.355 | 11.264               | 11.464 | 777.250            | 705.000           | 10.2 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/06/2024 11/06/2024

Client Sample No.: CCAL03 Date Analyzed: 11/07/2024

Lab Sample No.: HSTDCCC750 Data File : PS028309.D Time Analyzed: 09:52

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 10.339 | 10.244               | 10.444 | 684.490            | 712.500           | -3.9 |
| 2,4,5-TP(Silvex) | 9.917  | 9.823                | 10.023 | 695.710            | 712.500           | -2.4 |
| 2,4-D            | 9.010  | 8.915                | 9.115  | 678.350            | 705.000           | -3.8 |
| 2,4-DB           | 10.906 | 10.812               | 11.012 | 661.020            | 712.500           | -7.2 |
| 2,4-DCAA         | 7.761  | 7.665                | 7.865  | 740.370            | 750.000           | -1.3 |
| DICAMBA          | 7.962  | 7.867                | 8.067  | 714.890            | 705.000           | 1.4  |
| DICHLORPROP      | 8.679  | 8.584                | 8.784  | 689.690            | 705.000           | -2.2 |
| Dinoseb          | 11.286 | 11.191               | 11.391 | 666.540            | 705.000           | -5.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
 Data File : PS028309.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 09:52  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 07 10:27:48 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |              |        |        |           |           |          |         |
| System Monitoring Compounds |              |        |        |           |           |          |         |
| 4) S                        | 2,4-DCAA     | 7.256  | 7.761  | 2036.5E6  | 1289.6E6  | 795.059  | 740.371 |
| Target Compounds            |              |        |        |           |           |          |         |
| 1) T                        | Dalapon      | 2.650  | 2.708  | 2423.5E6  | 2052.1E6  | 680.923  | 697.403 |
| 2) T                        | 3,5-DICHL... | 6.425  | 6.711  | 2723.8E6  | 1765.1E6  | 726.574  | 697.437 |
| 3) T                        | 4-Nitroph... | 7.056  | 7.287  | 1189.2E6  | 738.8E6   | 721.801  | 644.683 |
| 5) T                        | DICAMBA      | 7.446  | 7.962  | 8465.2E6  | 5742.4E6  | 753.898  | 714.887 |
| 6) T                        | MCPD         | 7.629  | 8.064  | 590.5E6   | 443.6E6   | 77.883   | 73.068  |
| 7) T                        | MCPA         | 7.780  | 8.310  | 785.9E6   | 584.4E6   | 75.486   | 70.089  |
| 8) T                        | DICHLORPROP  | 8.156  | 8.679  | 2128.5E6  | 1385.8E6  | 754.970  | 689.694 |
| 9) T                        | 2,4-D        | 8.387  | 9.010  | 2380.2E6  | 1512.8E6  | 754.145  | 678.354 |
| 10) T                       | Pentachlo... | 8.687  | 9.541  | 33121.5E6 | 20207.8E6 | 796.906  | 692.886 |
| 11) T                       | 2,4,5-TP ... | 9.269  | 9.917  | 13197.5E6 | 8656.5E6  | 775.152  | 695.706 |
| 12) T                       | 2,4,5-T      | 9.560  | 10.339 | 13509.4E6 | 8396.5E6  | 779.291m | 684.491 |
| 13) T                       | 2,4-DB       | 10.138 | 10.906 | 2178.7E6  | 1047.6E6  | 770.818  | 661.017 |
| 14) T                       | DINOSEB      | 11.355 | 11.286 | 11238.2E6 | 5813.3E6  | 777.246  | 666.537 |
| 15) T                       | Picloram     | 11.160 | 12.386 | 22125.5E6 | 11844.6E6 | 762.978  | 656.859 |
| 16) T                       | DCPA         | 11.647 | 12.333 | 18767.9E6 | 9312.2E6  | 789.919  | 664.656 |
| -----                       |              |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028309.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 09:52  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

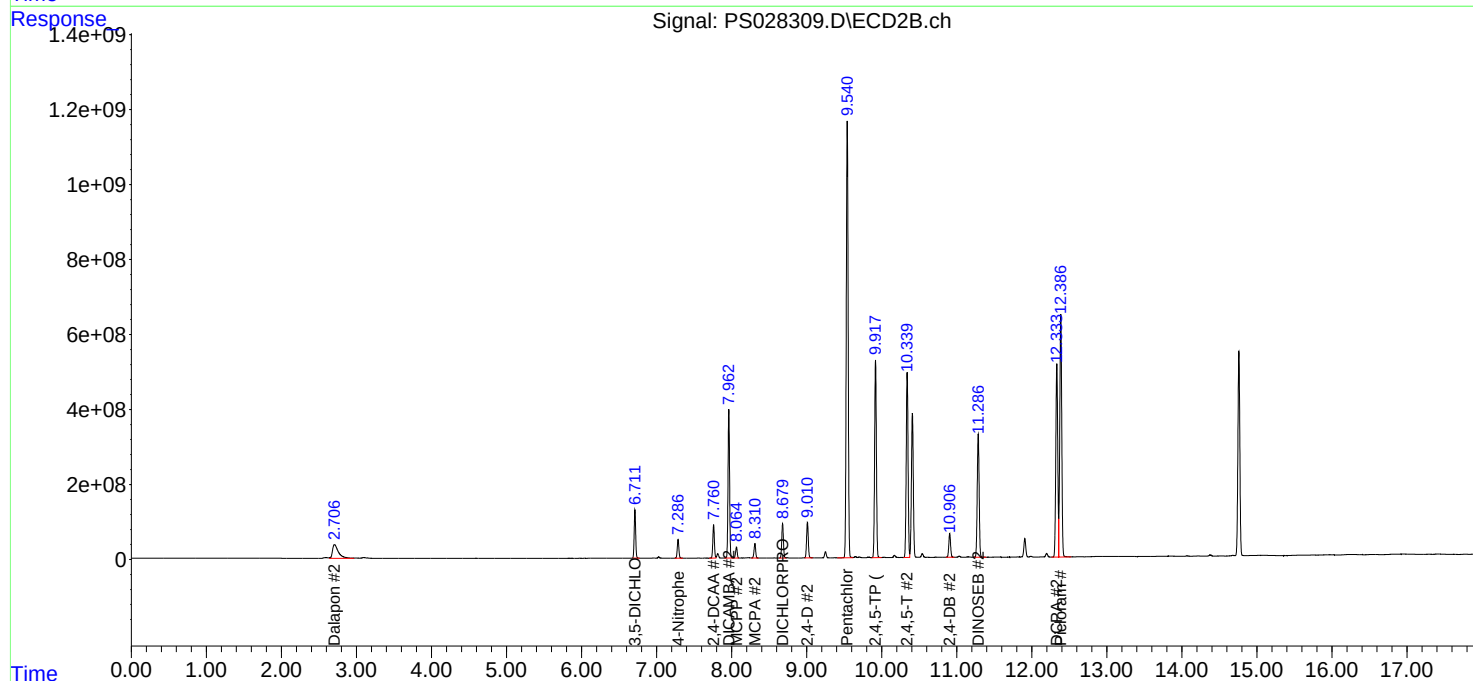
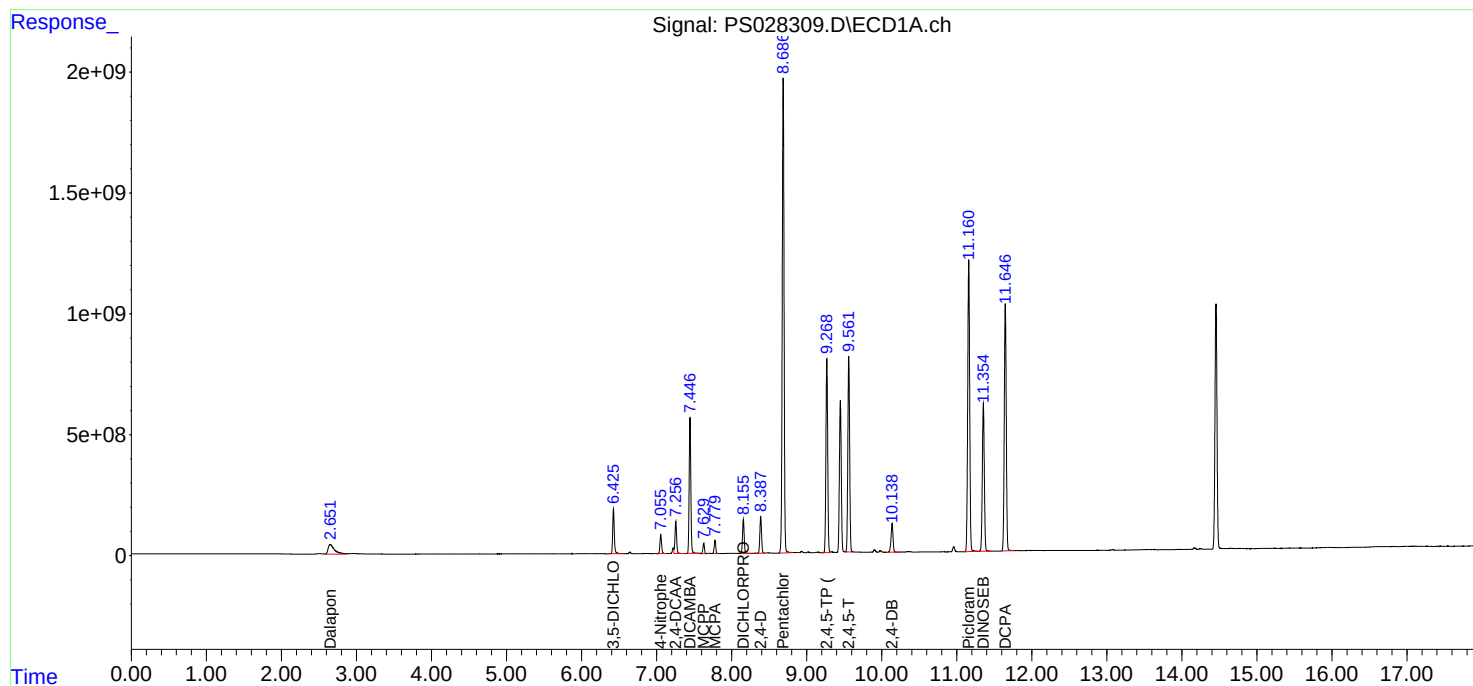
## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

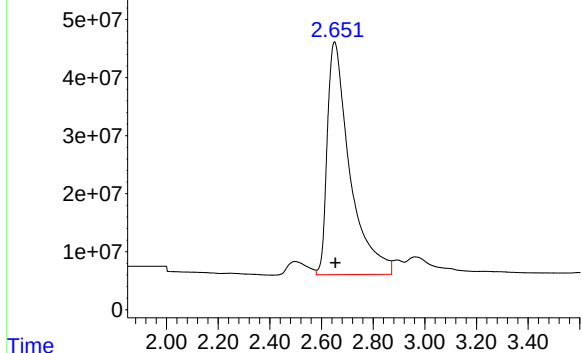
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 10:27:48 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028309.D\ECD1A.ch



#1 Dalapon

R.T.: 2.650 min  
Delta R.T.: -0.004 min  
Response: 2423536413  
Conc: 680.92 ng/ml

Instrument :

ECD\_S

ClientSampleId :

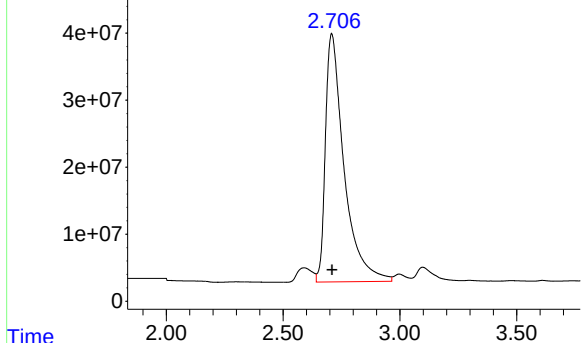
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

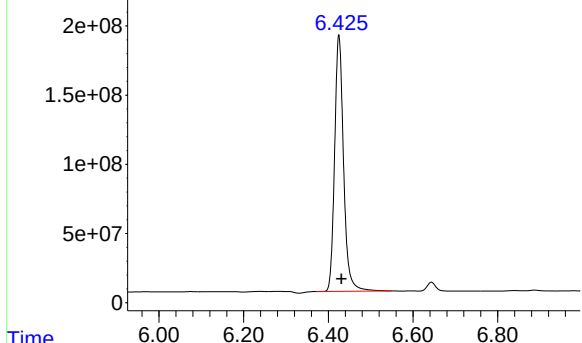
Time Response\_ Signal: PS028309.D\ECD2B.ch



#1 Dalapon

R.T.: 2.708 min  
Delta R.T.: -0.002 min  
Response: 2052104443  
Conc: 697.40 ng/ml

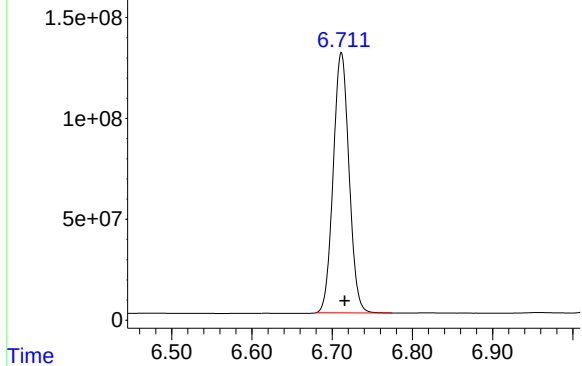
Time Response\_ Signal: PS028309.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

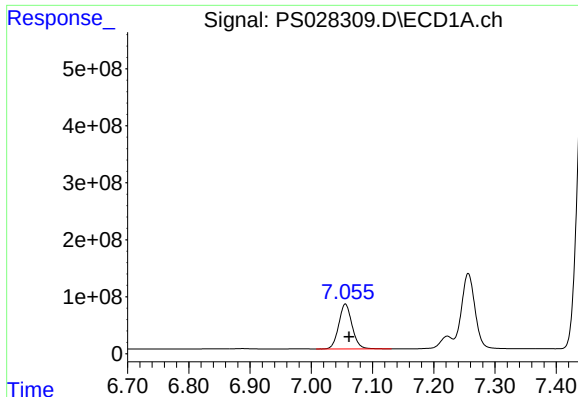
R.T.: 6.425 min  
Delta R.T.: -0.005 min  
Response: 2723764179  
Conc: 726.57 ng/ml

Time Response\_ Signal: PS028309.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min  
Delta R.T.: -0.004 min  
Response: 1765146834  
Conc: 697.44 ng/ml



## #3 4-Nitrophenol

R.T.: 7.056 min  
Delta R.T.: -0.006 min  
Response: 1189214773  
Conc: 721.80 ng/ml

Instrument :

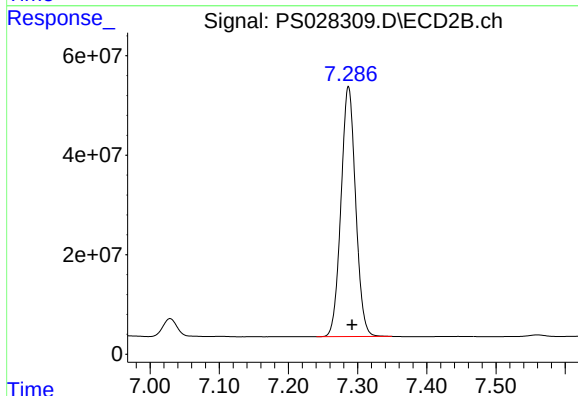
ECD\_S

ClientSampleId :

HSTDCCC750

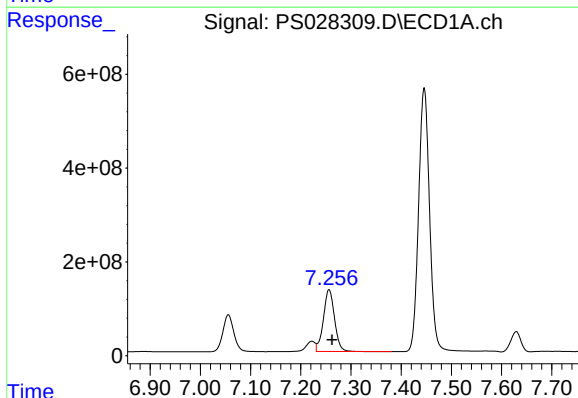
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



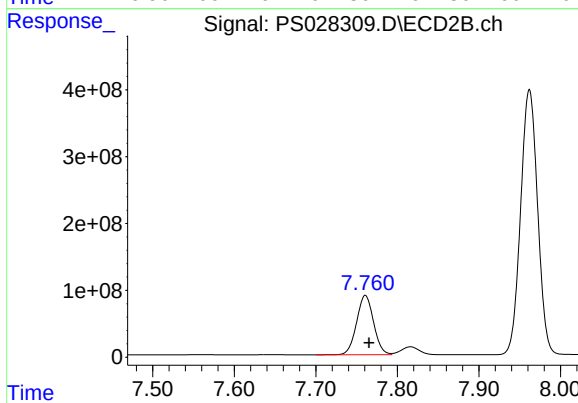
## #3 4-Nitrophenol

R.T.: 7.287 min  
Delta R.T.: -0.005 min  
Response: 738771242  
Conc: 644.68 ng/ml



## #4 2,4-DCAA

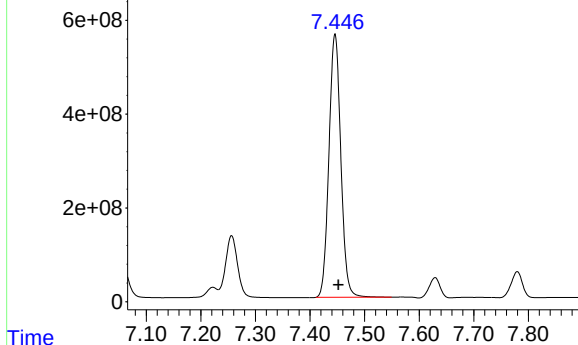
R.T.: 7.256 min  
Delta R.T.: -0.006 min  
Response: 2036475494  
Conc: 795.06 ng/ml



## #4 2,4-DCAA

R.T.: 7.761 min  
Delta R.T.: -0.005 min  
Response: 1289564201  
Conc: 740.37 ng/ml

Response\_ Signal: PS028309.D\ECD1A.ch



#5 DICAMBA

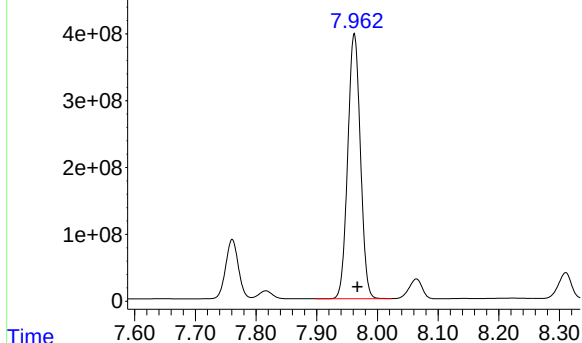
R.T.: 7.446 min  
Delta R.T.: -0.006 min  
Response: 8465177436  
Conc: 753.90 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

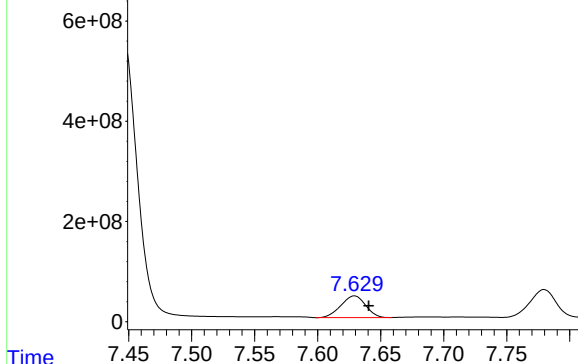
Time Response\_ Signal: PS028309.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.962 min  
Delta R.T.: -0.005 min  
Response: 5742374327  
Conc: 714.89 ng/ml

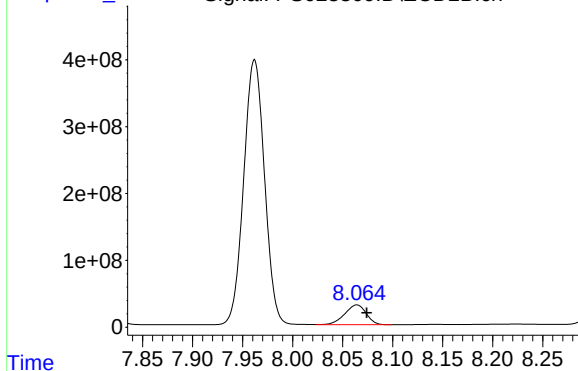
Response\_ Signal: PS028309.D\ECD1A.ch



#6 MCPP

R.T.: 7.629 min  
Delta R.T.: -0.012 min  
Response: 590547557  
Conc: 77.88 ug/ml

Time Response\_ Signal: PS028309.D\ECD2B.ch

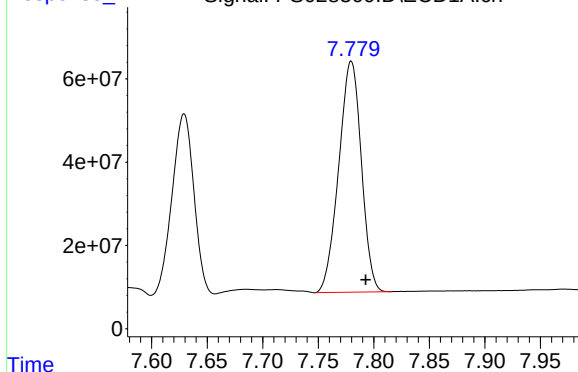


#6 MCPP

R.T.: 8.064 min  
Delta R.T.: -0.010 min  
Response: 443612773  
Conc: 73.07 ug/ml

Signal: PS028309.D\ECD1A.ch

#7 MCPA



R.T.: 7.780 min  
Delta R.T.: -0.013 min  
Response: 785894252  
Conc: 75.49 ug/ml

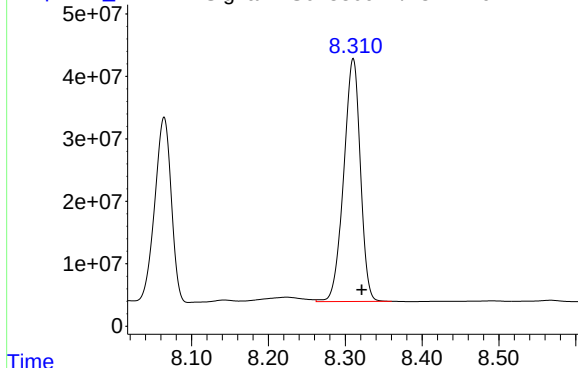
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Signal: PS028309.D\ECD2B.ch

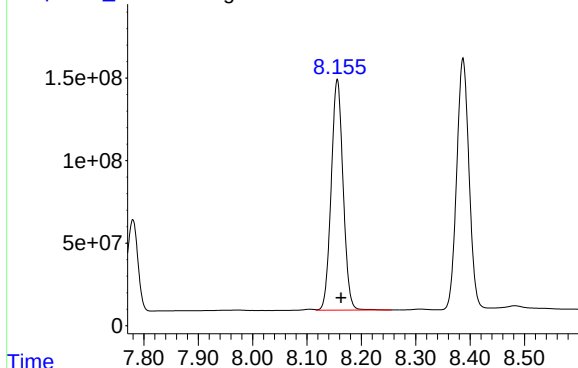
#7 MCPA



R.T.: 8.310 min  
Delta R.T.: -0.012 min  
Response: 584443356  
Conc: 70.09 ug/ml

Signal: PS028309.D\ECD1A.ch

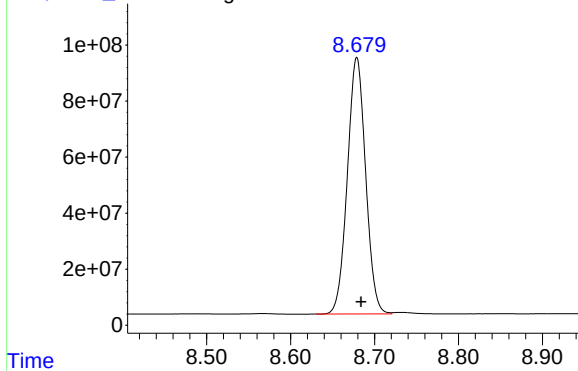
#8 DICHLORPROP



R.T.: 8.156 min  
Delta R.T.: -0.007 min  
Response: 2128470535  
Conc: 754.97 ng/ml

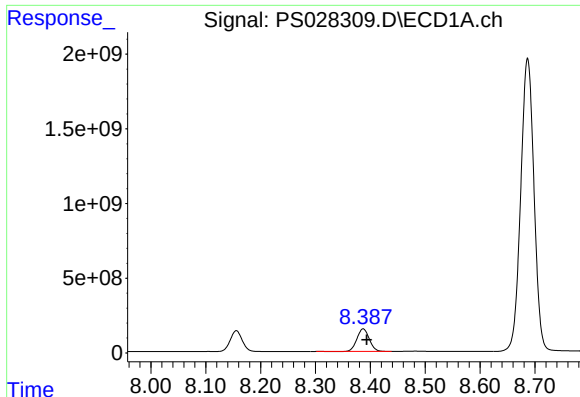
Signal: PS028309.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.679 min  
Delta R.T.: -0.005 min  
Response: 1385762770  
Conc: 689.69 ng/ml





#9 2,4-D

R.T.: 8.387 min  
Delta R.T.: -0.007 min  
Response: 2380163299  
Conc: 754.14 ng/ml

Instrument :

ECD\_S

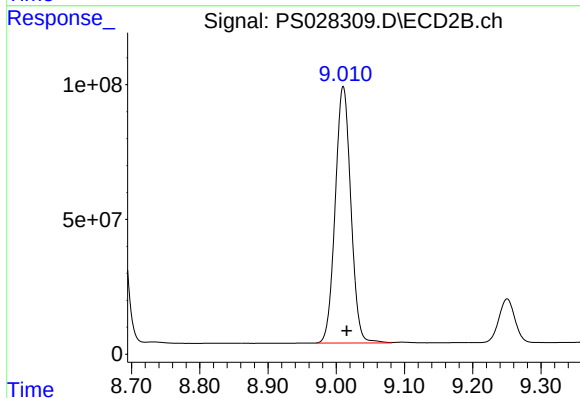
ClientSampleId :

HSTDCCC750

Manual Integrations

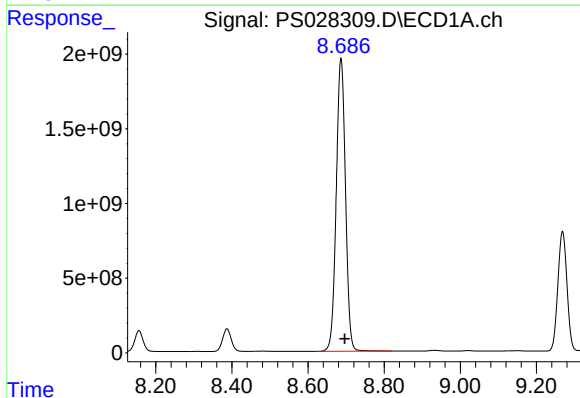
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



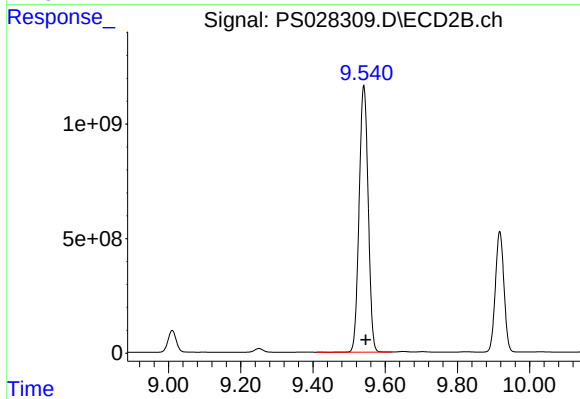
#9 2,4-D

R.T.: 9.010 min  
Delta R.T.: -0.005 min  
Response: 1512823247  
Conc: 678.35 ng/ml



#10 Pentachlorophenol

R.T.: 8.687 min  
Delta R.T.: -0.010 min  
Response: 33121540305  
Conc: 796.91 ng/ml



#10 Pentachlorophenol

R.T.: 9.541 min  
Delta R.T.: -0.006 min  
Response: 20207797390  
Conc: 692.89 ng/ml

Response\_

Signal: PS028309.D\ECD1A.ch

#11 2,4,5-TP (SILVEX)

R.T.: 9.269 min

Delta R.T.: -0.008 min

Response: 13197456282

Conc: 775.15 ng/ml

Instrument :

ECD\_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028309.D\ECD2B.ch

#11 2,4,5-TP (SILVEX)

R.T.: 9.917 min

Delta R.T.: -0.005 min

Response: 8656461475

Conc: 695.71 ng/ml

Time

Response\_

Signal: PS028309.D\ECD1A.ch

#12 2,4,5-T

R.T.: 9.560 min

Delta R.T.: -0.009 min

Response: 13509409918

Conc: 779.29 ng/ml m

Time

Response\_

Signal: PS028309.D\ECD2B.ch

#12 2,4,5-T

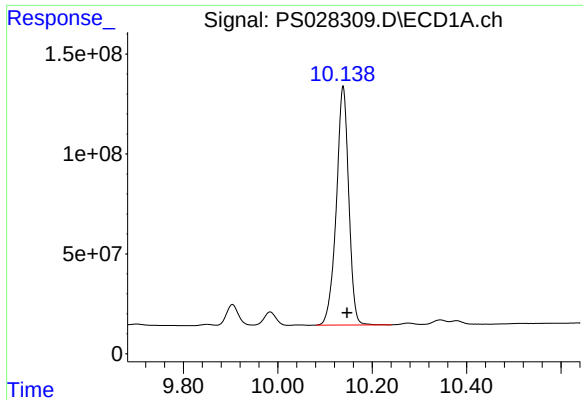
R.T.: 10.339 min

Delta R.T.: -0.005 min

Response: 8396505841

Conc: 684.49 ng/ml

Time



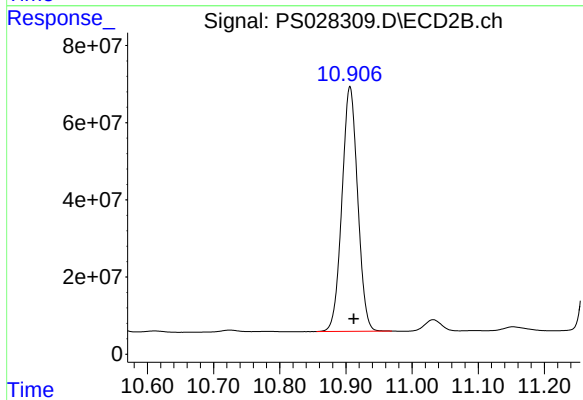
#13 2,4-DB

R.T.: 10.138 min  
Delta R.T.: -0.008 min  
Response: 2178743018  
Conc: 770.82 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

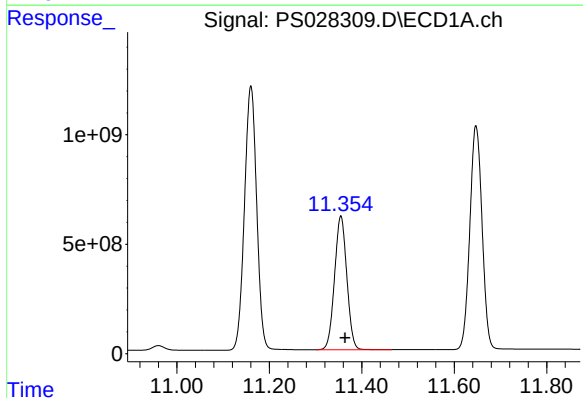
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



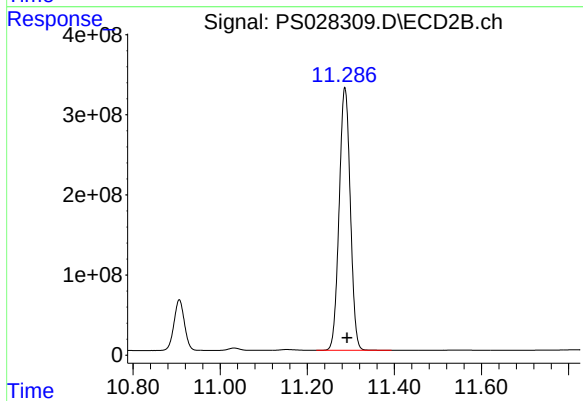
#13 2,4-DB

R.T.: 10.906 min  
Delta R.T.: -0.006 min  
Response: 1047645106  
Conc: 661.02 ng/ml



#14 DINOSEB

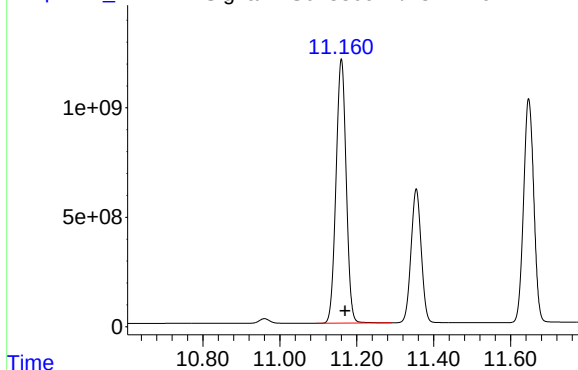
R.T.: 11.355 min  
Delta R.T.: -0.009 min  
Response: 11238178628  
Conc: 777.25 ng/ml



#14 DINOSEB

R.T.: 11.286 min  
Delta R.T.: -0.005 min  
Response: 5813302087  
Conc: 666.54 ng/ml

Response\_ Signal: PS028309.D\ECD1A.ch



#15 Picloram

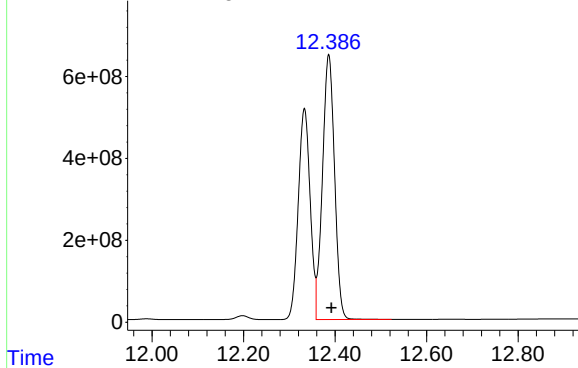
R.T.: 11.160 min  
Delta R.T.: -0.009 min  
Response: 22125533866  
Conc: 762.98 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

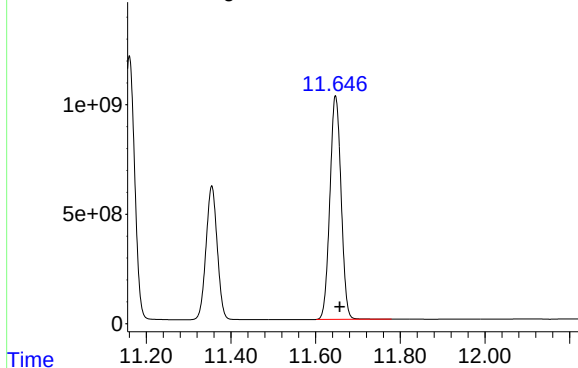
Time Response\_ Signal: PS028309.D\ECD2B.ch



#15 Picloram

R.T.: 12.386 min  
Delta R.T.: -0.006 min  
Response: 11844583787  
Conc: 656.86 ng/ml

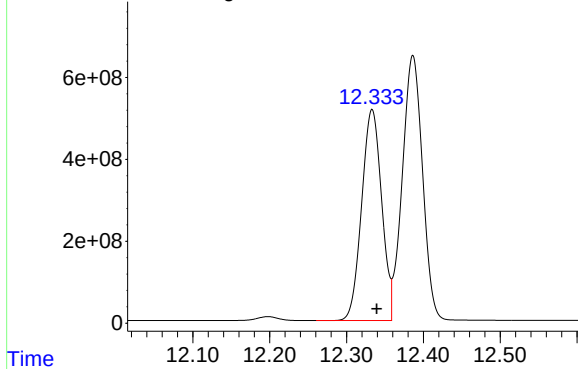
Time Response\_ Signal: PS028309.D\ECD1A.ch



#16 DCPA

R.T.: 11.647 min  
Delta R.T.: -0.010 min  
Response: 18767903682  
Conc: 789.92 ng/ml

Time Response\_ Signal: PS028309.D\ECD2B.ch



#16 DCPA

R.T.: 12.333 min  
Delta R.T.: -0.006 min  
Response: 9312153958  
Conc: 664.66 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 10:48 Initial Calibration Time(s): 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.44       | 7.44      | 7.34                   | 7.54  | 0.01       |
| 2,4-DCAA         | 7.25       | 7.25      | 7.15                   | 7.35  | 0.00       |
| DICHLORPROP      | 8.15       | 8.15      | 8.05                   | 8.25  | 0.00       |
| 2,4-D            | 8.38       | 8.38      | 8.28                   | 8.48  | 0.00       |
| 2,4,5-TP(Silvex) | 9.26       | 9.26      | 9.16                   | 9.36  | 0.00       |
| 2,4,5-T          | 9.55       | 9.55      | 9.45                   | 9.65  | 0.00       |
| 2,4-DB           | 10.13      | 10.13     | 10.03                  | 10.23 | 0.00       |
| Dinoseb          | 11.34      | 11.35     | 11.25                  | 11.45 | 0.01       |



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Fax : 908 789 8922

## CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 10:48 Initial Calibration Time(s): 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.95       | 7.96      | 7.86      | 8.06  | 0.01       |
| 2,4-DCAA         | 7.75       | 7.76      | 7.66      | 7.86  | 0.01       |
| DICHLORPROP      | 8.67       | 8.67      | 8.57      | 8.77  | 0.00       |
| 2,4-D            | 9.00       | 9.01      | 8.91      | 9.11  | 0.01       |
| 2,4,5-TP(Silvex) | 9.91       | 9.91      | 9.81      | 10.01 | 0.00       |
| 2,4,5-T          | 10.33      | 10.33     | 10.23     | 10.43 | 0.00       |
| 2,4-DB           | 10.90      | 10.90     | 10.80     | 11.00 | 0.00       |
| Dinoseb          | 11.28      | 11.28     | 11.18     | 11.38 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL04 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028394.D Time Analyzed: 10:48

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.549  | 9.452     | 9.652  | 730.660            | 712.500           | 2.5  |
| 2,4,5-TP(Silvex) | 9.256  | 9.160     | 9.360  | 734.350            | 712.500           | 3.1  |
| 2,4-D            | 8.376  | 8.279     | 8.479  | 710.050            | 705.000           | 0.7  |
| 2,4-DB           | 10.125 | 10.029    | 10.229 | 710.990            | 712.500           | -0.2 |
| 2,4-DCAA         | 7.247  | 7.150     | 7.350  | 725.710            | 750.000           | -3.2 |
| DICAMBA          | 7.435  | 7.338     | 7.538  | 729.350            | 705.000           | 3.5  |
| DICHLORPROP      | 8.145  | 8.048     | 8.248  | 716.330            | 705.000           | 1.6  |
| Dinoseb          | 11.340 | 11.245    | 11.445 | 722.510            | 705.000           | 2.5  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL04 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028394.D Time Analyzed: 10:48

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 10.329 | 10.233    | 10.433 | 681.690            | 712.500           | -4.3 |
| 2,4,5-TP(Silvex) | 9.907  | 9.811     | 10.011 | 684.040            | 712.500           | -4.0 |
| 2,4-D            | 9.001  | 8.905     | 9.105  | 655.650            | 705.000           | -7.0 |
| 2,4-DB           | 10.896 | 10.800    | 11.000 | 666.430            | 712.500           | -6.5 |
| 2,4-DCAA         | 7.752  | 7.655     | 7.855  | 708.230            | 750.000           | -5.6 |
| DICAMBA          | 7.953  | 7.856     | 8.056  | 682.010            | 705.000           | -3.3 |
| DICHLORPROP      | 8.670  | 8.573     | 8.773  | 670.220            | 705.000           | -4.9 |
| Dinoseb          | 11.276 | 11.180    | 11.380 | 674.250            | 705.000           | -4.4 |



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
 Data File : PS028394.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 10:48  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:09:17 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|----------|---------|
| -----                       |              |        |        |           |           |          |         |
| System Monitoring Compounds |              |        |        |           |           |          |         |
| 4) S                        | 2,4-DCAA     | 7.247  | 7.752  | 2003.5E6  | 1128.5E6  | 725.705m | 708.225 |
| Target Compounds            |              |        |        |           |           |          |         |
| 1) T                        | Dalapon      | 2.646  | 2.705  | 2506.6E6  | 1829.0E6  | 702.508  | 644.987 |
| 2) T                        | 3,5-DICHL... | 6.417  | 6.705  | 2818.8E6  | 1557.4E6  | 704.459  | 657.403 |
| 3) T                        | 4-Nitroph... | 7.046  | 7.278  | 1233.3E6  | 650.0E6   | 665.105  | 613.797 |
| 5) T                        | DICAMBA      | 7.435  | 7.953  | 8781.9E6  | 4889.6E6  | 729.347  | 682.005 |
| 6) T                        | MCPD         | 7.619  | 8.055  | 604.2E6   | 390.0E6   | 73.874   | 66.387  |
| 7) T                        | MCPA         | 7.770  | 8.301  | 799.0E6   | 521.9E6   | 71.258   | 65.175  |
| 8) T                        | DICHLORPROP  | 8.145  | 8.670  | 2220.4E6  | 1193.8E6  | 716.333  | 670.222 |
| 9) T                        | 2,4-D        | 8.376  | 9.001  | 2495.3E6  | 1267.9E6  | 710.047  | 655.651 |
| 10) T                       | Pentachlo... | 8.676  | 9.531  | 34677.7E6 | 17199.4E6 | 769.894  | 690.272 |
| 11) T                       | 2,4,5-TP ... | 9.256  | 9.907  | 13900.5E6 | 7245.5E6  | 734.351  | 684.038 |
| 12) T                       | 2,4,5-T      | 9.549  | 10.329 | 14160.9E6 | 7073.2E6  | 730.659  | 681.686 |
| 13) T                       | 2,4-DB       | 10.125 | 10.896 | 2197.6E6  | 883.2E6   | 710.988  | 666.430 |
| 14) T                       | DINOSEB      | 11.340 | 11.276 | 11714.3E6 | 4839.3E6  | 722.506  | 674.248 |
| 15) T                       | Picloram     | 11.146 | 12.374 | 22650.4E6 | 9789.4E6  | 721.212  | 680.174 |
| 16) T                       | DCPA         | 11.633 | 12.321 | 19633.6E6 | 7714.1E6  | 734.614  | 688.138 |
| -----                       |              |        |        |           |           |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028394.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 10:48  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

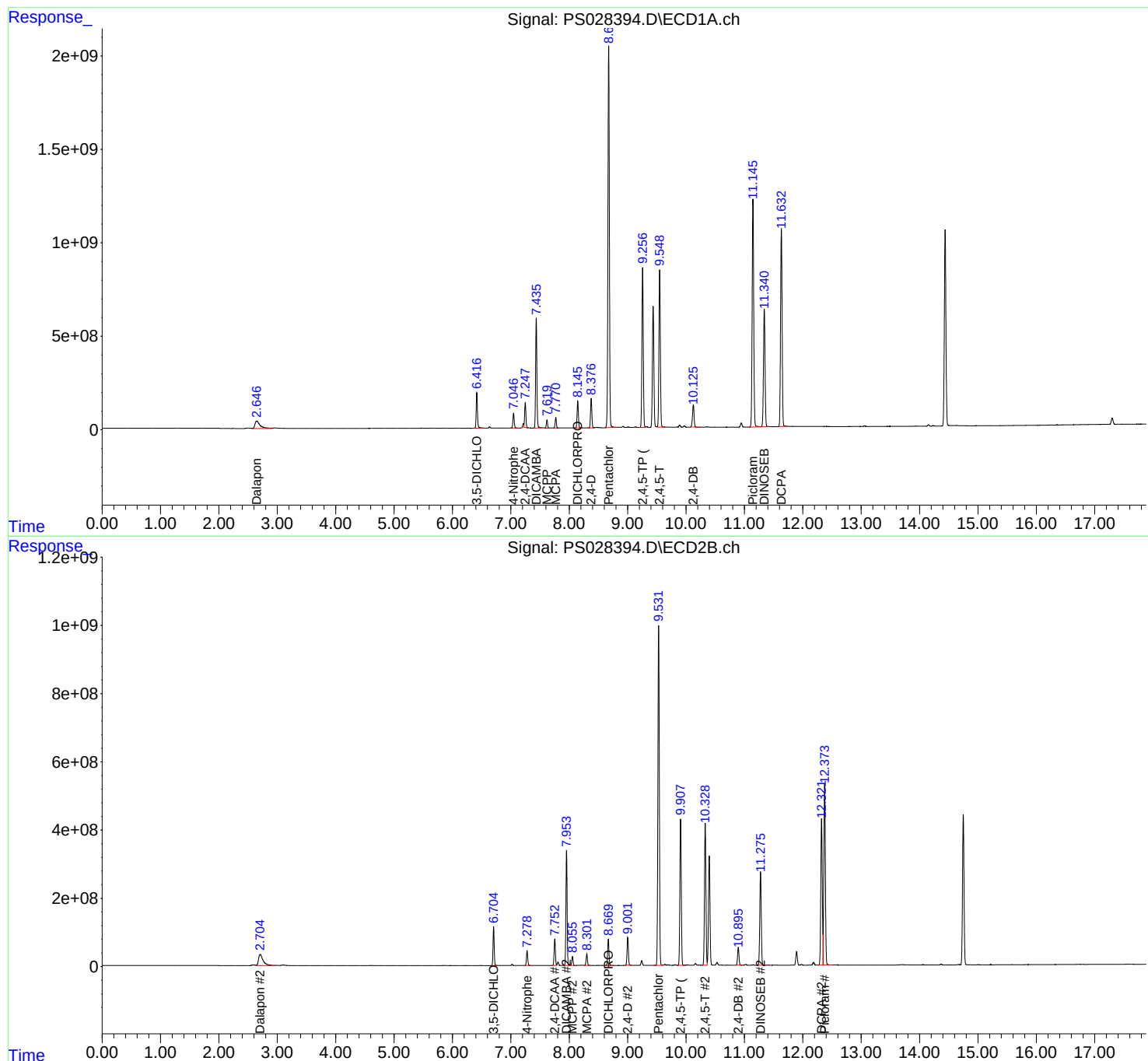
## Manual Integrations

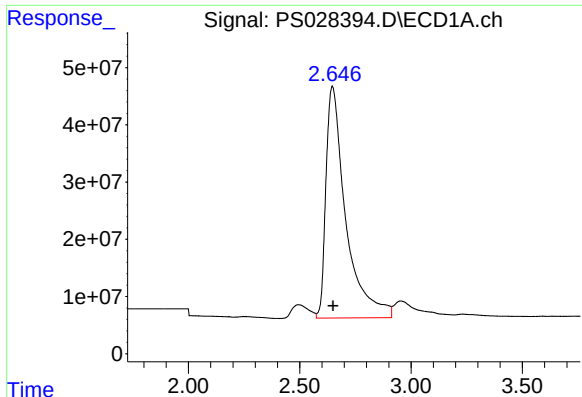
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:09:17 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





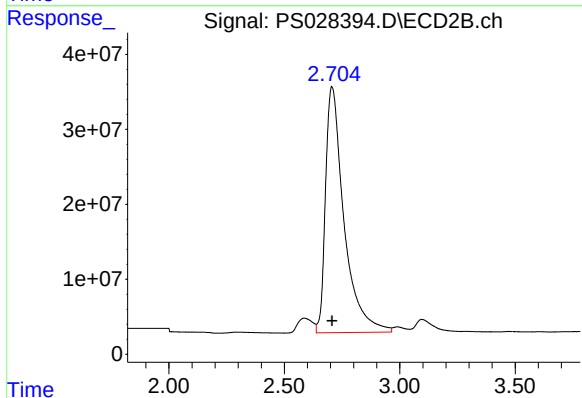
#1 Dalapon

R.T.: 2.646 min  
Delta R.T.: -0.004 min  
Response: 2506635032  
Conc: 702.51 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

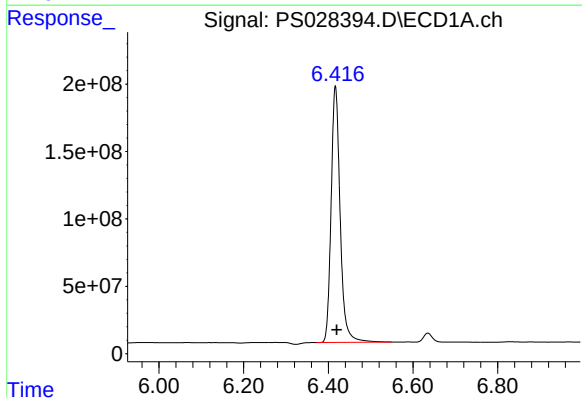
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



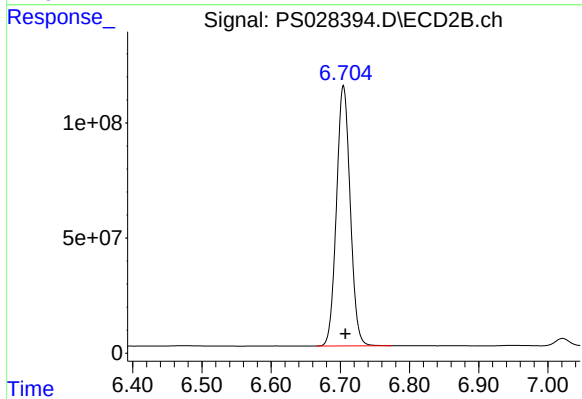
#1 Dalapon

R.T.: 2.705 min  
Delta R.T.: -0.002 min  
Response: 1828964731  
Conc: 644.99 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.417 min  
Delta R.T.: -0.003 min  
Response: 2818812601  
Conc: 704.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min  
Delta R.T.: -0.003 min  
Response: 1557417507  
Conc: 657.40 ng/ml

Response\_ Signal: PS028394.D\ECD1A.ch

#3 4-Nitrophenol

R.T.: 7.046 min  
Delta R.T.: -0.003 min  
Response: 1233257327  
Conc: 665.10 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Time

Response\_ Signal: PS028394.D\ECD2B.ch

#3 4-Nitrophenol

R.T.: 7.278 min  
Delta R.T.: -0.003 min  
Response: 650014228  
Conc: 613.80 ng/ml

Time

Response\_ Signal: PS028394.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.247 min  
Delta R.T.: -0.003 min  
Response: 2003494344  
Conc: 725.71 ng/ml m

Time

Response\_ Signal: PS028394.D\ECD2B.ch

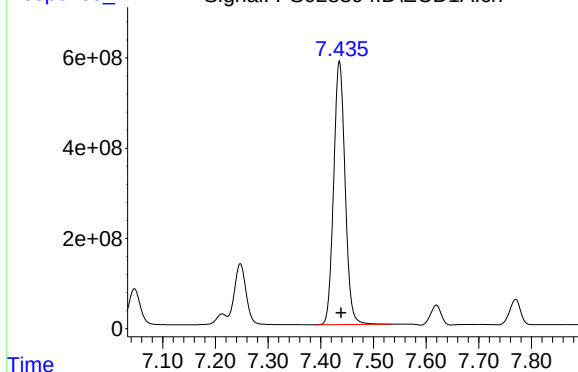
#4 2,4-DCAA

R.T.: 7.752 min  
Delta R.T.: -0.003 min  
Response: 1128501238  
Conc: 708.23 ng/ml

Time

Response\_ Signal: PS028394.D\ECD1A.ch

#5 DICAMBA



R.T.: 7.435 min  
Delta R.T.: -0.003 min  
Response: 8781881633  
Conc: 729.35 ng/ml

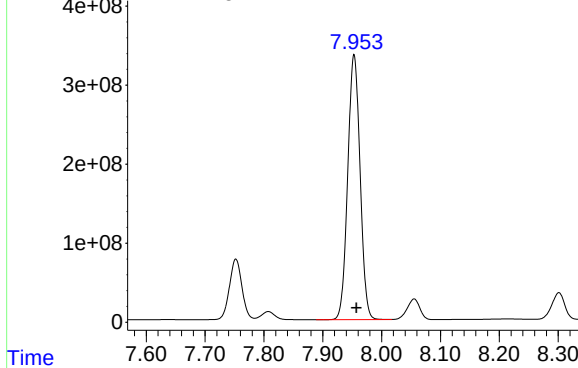
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Time Response\_ Signal: PS028394.D\ECD2B.ch

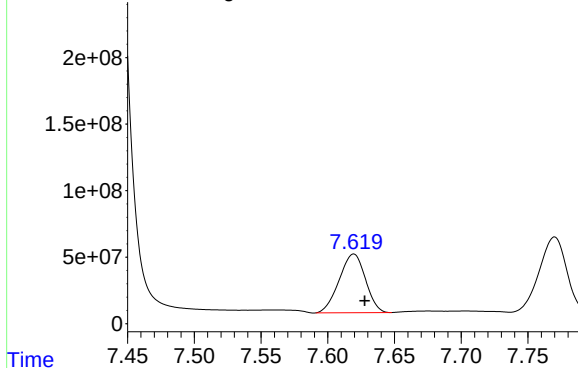
#5 DICAMBA



R.T.: 7.953 min  
Delta R.T.: -0.004 min  
Response: 4889644930  
Conc: 682.01 ng/ml

Response\_ Signal: PS028394.D\ECD1A.ch

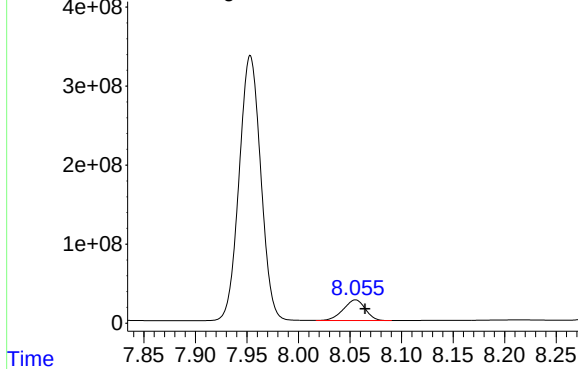
#6 MCPP



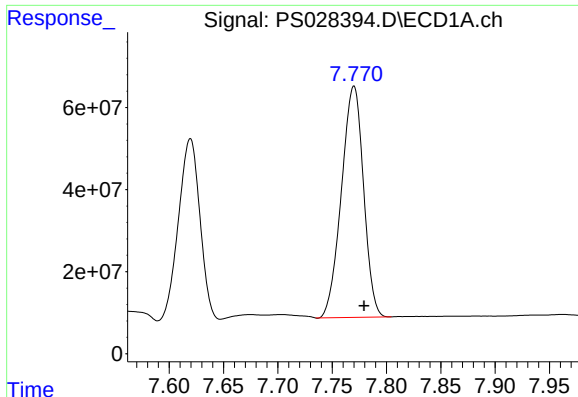
R.T.: 7.619 min  
Delta R.T.: -0.008 min  
Response: 604186720  
Conc: 73.87 ug/ml

Time Response\_ Signal: PS028394.D\ECD2B.ch

#6 MCPP



R.T.: 8.055 min  
Delta R.T.: -0.009 min  
Response: 389992898  
Conc: 66.39 ug/ml



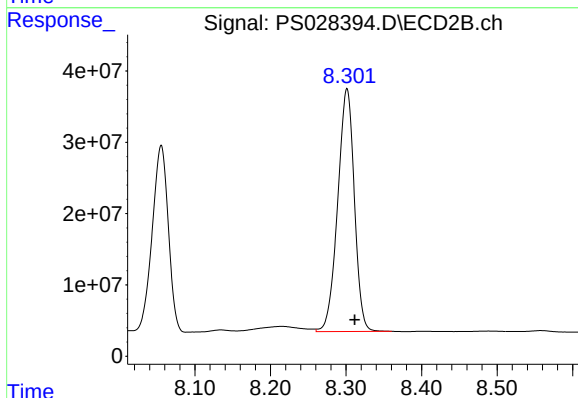
#7 MCPA

R.T.: 7.770 min  
Delta R.T.: -0.010 min  
Response: 798951513  
Conc: 71.26 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

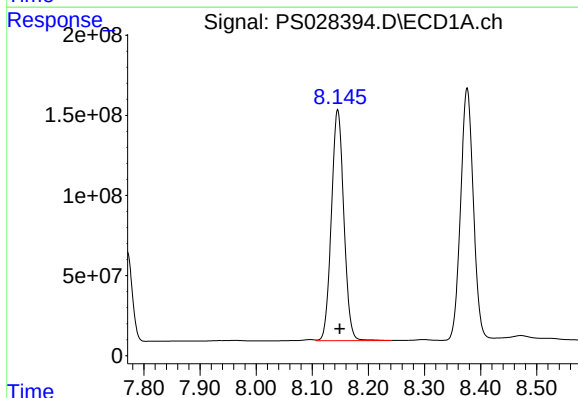
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



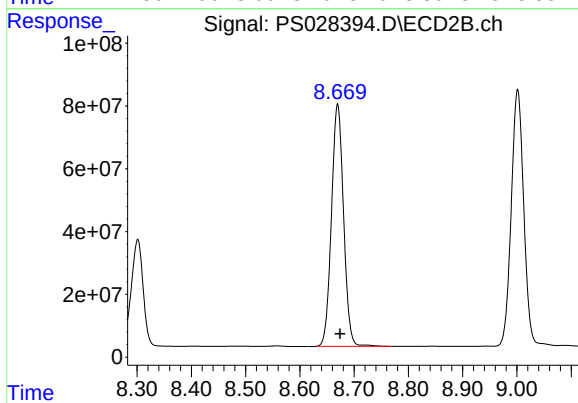
#7 MCPA

R.T.: 8.301 min  
Delta R.T.: -0.010 min  
Response: 521900841  
Conc: 65.18 ug/ml



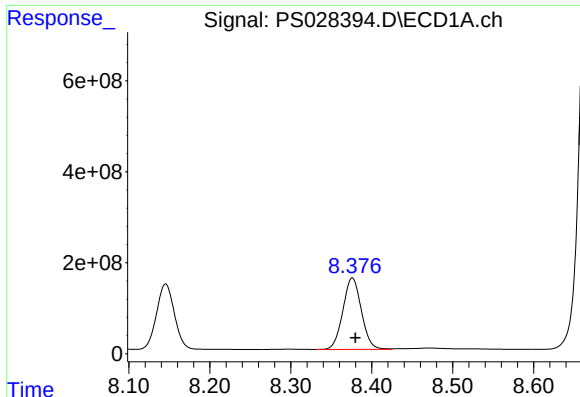
#8 DICHLORPROP

R.T.: 8.145 min  
Delta R.T.: -0.004 min  
Response: 2220374042  
Conc: 716.33 ng/ml



#8 DICHLORPROP

R.T.: 8.670 min  
Delta R.T.: -0.004 min  
Response: 1193842338  
Conc: 670.22 ng/ml



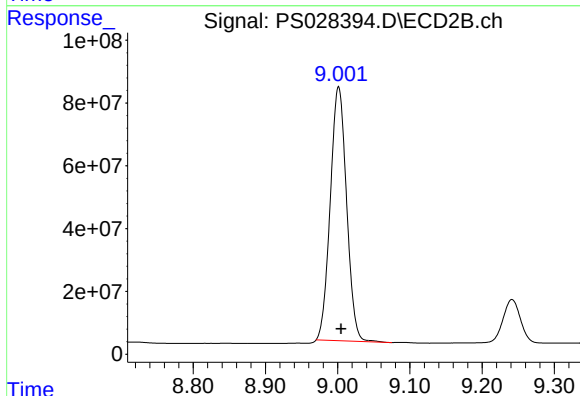
#9 2,4-D

R.T.: 8.376 min  
Delta R.T.: -0.004 min  
Response: 2495251356  
Conc: 710.05 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

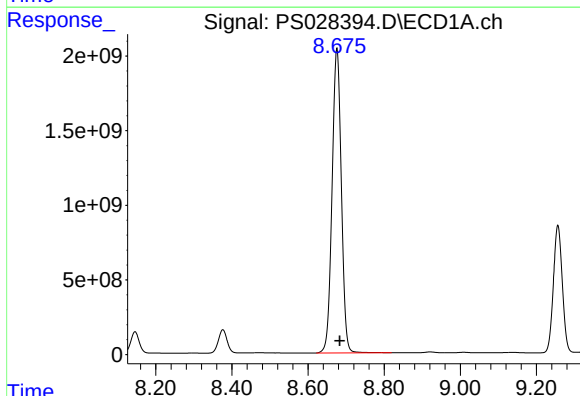
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



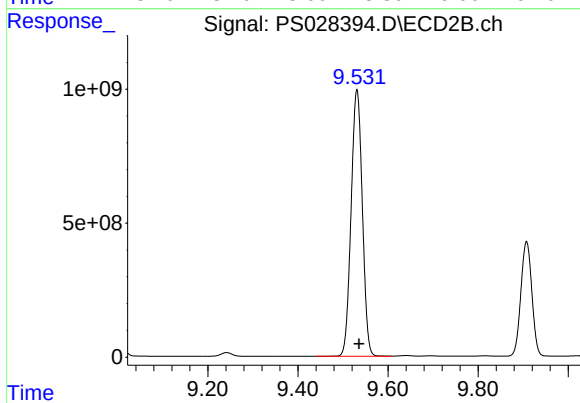
#9 2,4-D

R.T.: 9.001 min  
Delta R.T.: -0.004 min  
Response: 1267908761  
Conc: 655.65 ng/ml



#10 Pentachlorophenol

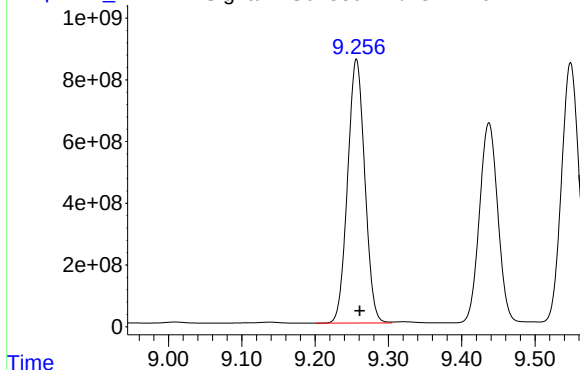
R.T.: 8.676 min  
Delta R.T.: -0.007 min  
Response: 34677657557  
Conc: 769.89 ng/ml



#10 Pentachlorophenol

R.T.: 9.531 min  
Delta R.T.: -0.005 min  
Response: 17199393646  
Conc: 690.27 ng/ml

Response\_ Signal: PS028394.D\ECD1A.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.256 min  
Delta R.T.: -0.004 min  
Response: 13900504514  
Conc: 734.35 ng/ml

Instrument :

ECD\_S

ClientSampleId :

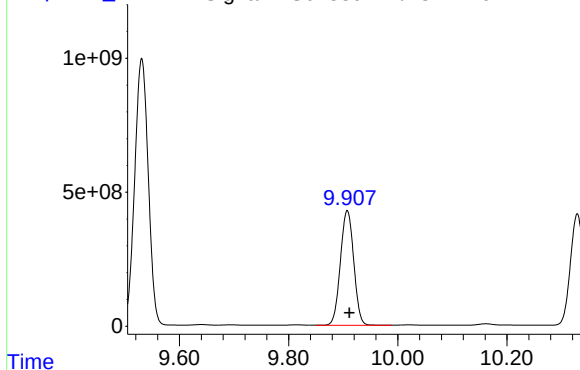
HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

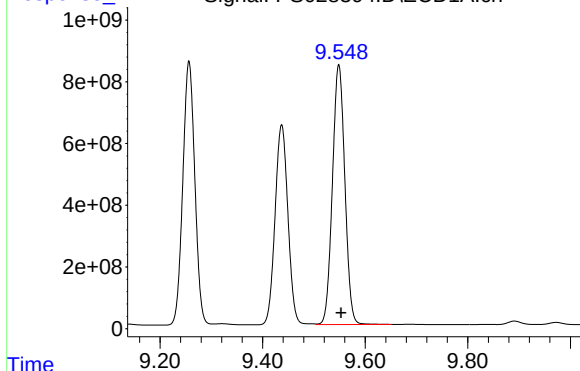
Time Response\_ Signal: PS028394.D\ECD2B.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min  
Delta R.T.: -0.004 min  
Response: 7245474972  
Conc: 684.04 ng/ml

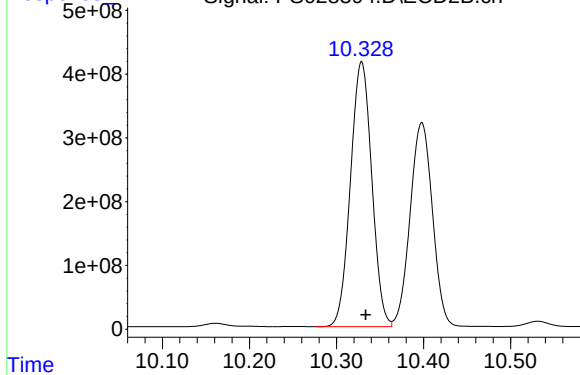
Time Response\_ Signal: PS028394.D\ECD1A.ch



#12 2,4,5-T

R.T.: 9.549 min  
Delta R.T.: -0.004 min  
Response: 14160909750  
Conc: 730.66 ng/ml

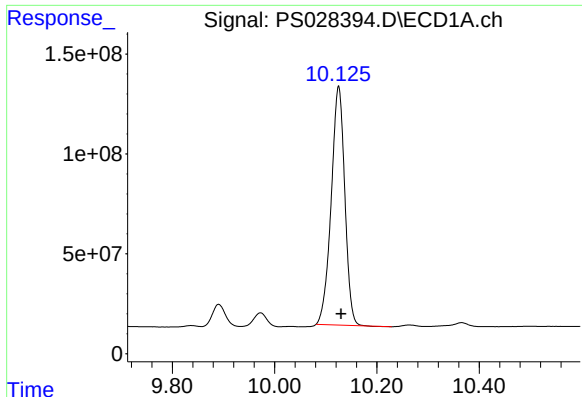
Time Response\_ Signal: PS028394.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.329 min  
Delta R.T.: -0.005 min  
Response: 7073192038  
Conc: 681.69 ng/ml





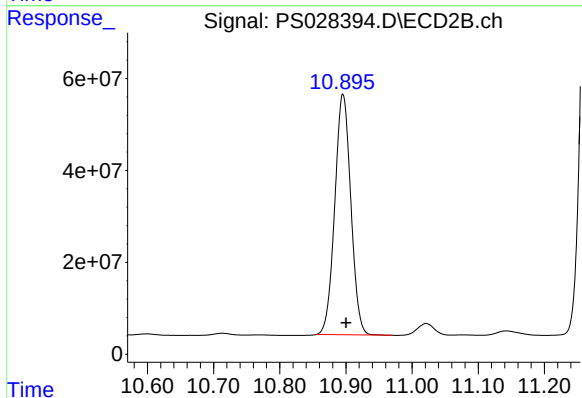
#13 2,4-DB

R.T.: 10.125 min  
Delta R.T.: -0.005 min  
Response: 2197581640  
Conc: 710.99 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

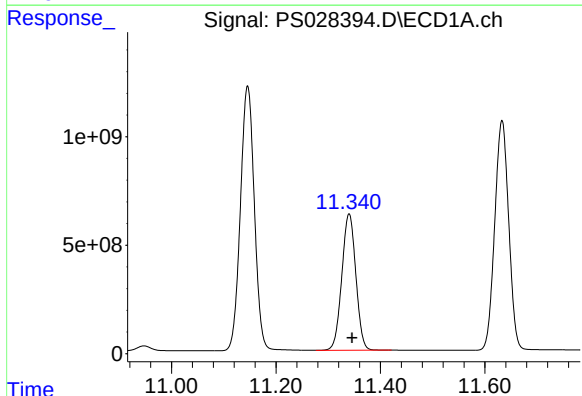
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



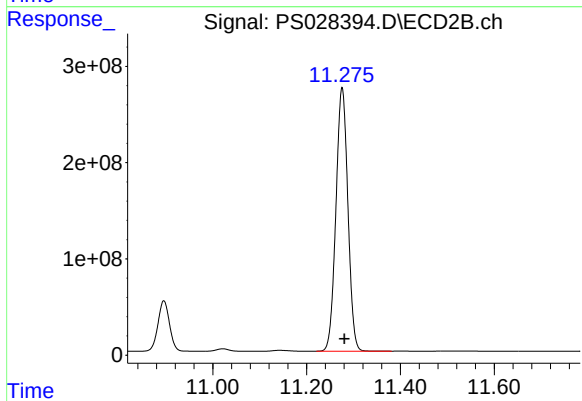
#13 2,4-DB

R.T.: 10.896 min  
Delta R.T.: -0.005 min  
Response: 883206685  
Conc: 666.43 ng/ml



#14 DINOSEB

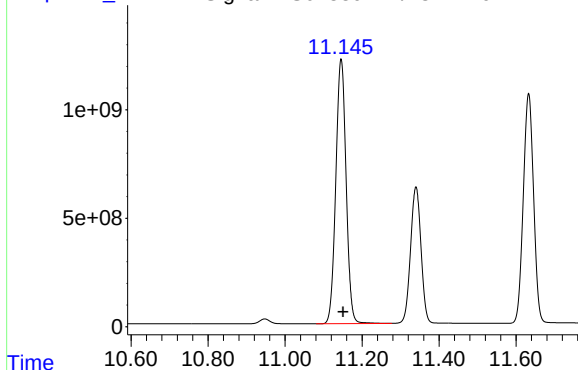
R.T.: 11.340 min  
Delta R.T.: -0.005 min  
Response: 11714255821  
Conc: 722.51 ng/ml



#14 DINOSEB

R.T.: 11.276 min  
Delta R.T.: -0.005 min  
Response: 4839309867  
Conc: 674.25 ng/ml

Response\_ Signal: PS028394.D\ECD1A.ch



#15 Picloram

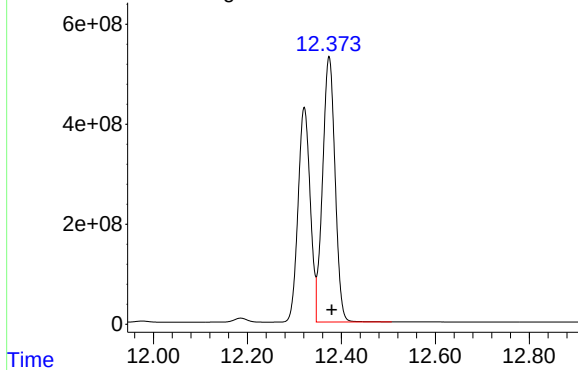
R.T.: 11.146 min  
Delta R.T.: -0.005 min  
Response: 22650371403  
Conc: 721.21 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

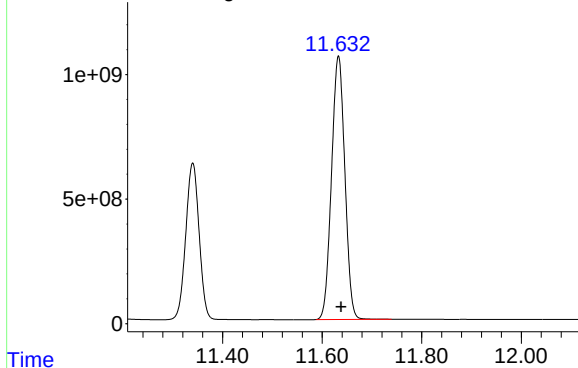
Response\_ Signal: PS028394.D\ECD2B.ch



#15 Picloram

R.T.: 12.374 min  
Delta R.T.: -0.005 min  
Response: 9789410378  
Conc: 680.17 ng/ml

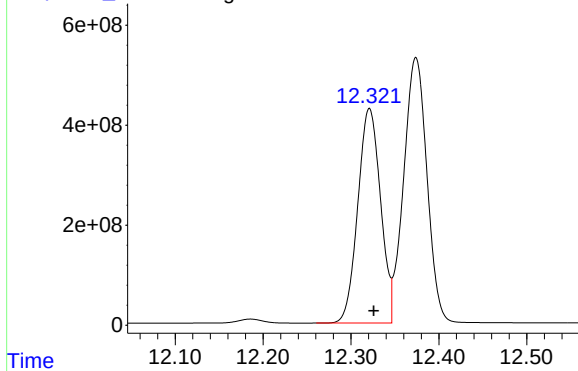
Response\_ Signal: PS028394.D\ECD1A.ch



#16 DCPA

R.T.: 11.633 min  
Delta R.T.: -0.005 min  
Response: 19633606021  
Conc: 734.61 ng/ml

Response\_ Signal: PS028394.D\ECD2B.ch



#16 DCPA

R.T.: 12.321 min  
Delta R.T.: -0.005 min  
Response: 7714127346  
Conc: 688.14 ng/ml



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

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 16:33 Initial Calibration Time(s): 15:13 16:58

GC Column: RTX-CLP ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.43       | 7.44      | 7.34      | 7.54  | 0.01       |
| 2,4-DCAA         | 7.25       | 7.25      | 7.15      | 7.35  | 0.00       |
| DICHLORPROP      | 8.14       | 8.15      | 8.05      | 8.25  | 0.01       |
| 2,4-D            | 8.38       | 8.38      | 8.28      | 8.48  | 0.00       |
| 2,4,5-TP(Silvex) | 9.26       | 9.26      | 9.16      | 9.36  | 0.00       |
| 2,4,5-T          | 9.55       | 9.55      | 9.45      | 9.65  | 0.00       |
| 2,4-DB           | 10.12      | 10.13     | 10.03     | 10.23 | 0.01       |
| Dinoseb          | 11.34      | 11.35     | 11.25     | 11.45 | 0.01       |



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Fax : 908 789 8922

### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Continuing Calib Date: 11/11/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 16:33 Initial Calibration Time(s): 15:13 16:58

GC Column: RTX-CLP2 ID: 0.32 (mm)

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.95       | 7.96      | 7.86      | 8.06  | 0.01       |
| 2,4-DCAA         | 7.75       | 7.76      | 7.66      | 7.86  | 0.01       |
| DICHLORPROP      | 8.67       | 8.67      | 8.57      | 8.77  | 0.00       |
| 2,4-D            | 9.00       | 9.01      | 8.91      | 9.11  | 0.01       |
| 2,4,5-TP(Silvex) | 9.91       | 9.91      | 9.81      | 10.01 | 0.00       |
| 2,4,5-T          | 10.33      | 10.33     | 10.23     | 10.43 | 0.00       |
| 2,4-DB           | 10.90      | 10.90     | 10.80     | 11.00 | 0.00       |
| Dinoseb          | 11.28      | 11.28     | 11.18     | 11.38 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL05 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028406.D Time Analyzed: 16:33

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.547  | 9.452     | 9.652  | 727.150            | 712.500           | 2.1  |
| 2,4,5-TP(Silvex) | 9.255  | 9.160     | 9.360  | 727.880            | 712.500           | 2.2  |
| 2,4-D            | 8.375  | 8.279     | 8.479  | 706.140            | 705.000           | 0.2  |
| 2,4-DB           | 10.124 | 10.029    | 10.229 | 698.650            | 712.500           | -1.9 |
| 2,4-DCAA         | 7.246  | 7.150     | 7.350  | 749.600            | 750.000           | -0.1 |
| DICAMBA          | 7.434  | 7.338     | 7.538  | 723.500            | 705.000           | 2.6  |
| DICHLORPROP      | 8.144  | 8.048     | 8.248  | 710.450            | 705.000           | 0.8  |
| Dinoseb          | 11.339 | 11.245    | 11.445 | 715.780            | 705.000           | 1.5  |



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### CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL05 Date Analyzed: 11/11/2024

Lab Sample No.: HSTDCCC750 Data File : PS028406.D Time Analyzed: 16:33

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 10.328 | 10.233               | 10.433 | 676.610            | 712.500           | -5.0 |
| 2,4,5-TP(Silvex) | 9.908  | 9.811                | 10.011 | 676.600            | 712.500           | -5.0 |
| 2,4-D            | 9.001  | 8.905                | 9.105  | 642.510            | 705.000           | -8.9 |
| 2,4-DB           | 10.895 | 10.800               | 11.000 | 657.840            | 712.500           | -7.7 |
| 2,4-DCAA         | 7.752  | 7.655                | 7.855  | 697.880            | 750.000           | -6.9 |
| DICAMBA          | 7.953  | 7.856                | 8.056  | 674.960            | 705.000           | -4.3 |
| DICHLORPROP      | 8.669  | 8.573                | 8.773  | 656.080            | 705.000           | -6.9 |
| Dinoseb          | 11.276 | 11.180               | 11.380 | 665.940            | 705.000           | -5.5 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028406.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:33  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:19:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml   |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|---------|
| -----                       |              |        |        |           |           |         |         |
| System Monitoring Compounds |              |        |        |           |           |         |         |
| 4) S                        | 2,4-DCAA     | 7.246  | 7.752  | 2069.5E6  | 1112.0E6  | 749.602 | 697.878 |
| Target Compounds            |              |        |        |           |           |         |         |
| 1) T                        | Dalapon      | 2.647  | 2.706  | 2488.3E6  | 1823.1E6  | 697.382 | 642.907 |
| 2) T                        | 3,5-DICHL... | 6.416  | 6.704  | 2797.4E6  | 1538.7E6  | 699.109 | 649.507 |
| 3) T                        | 4-Nitroph... | 7.045  | 7.278  | 1221.9E6  | 645.5E6   | 658.998 | 609.543 |
| 5) T                        | DICAMBA      | 7.434  | 7.953  | 8711.5E6  | 4839.2E6  | 723.502 | 674.963 |
| 6) T                        | MCPD         | 7.618  | 8.055  | 589.2E6   | 379.5E6   | 72.039  | 64.606  |
| 7) T                        | MCPA         | 7.768  | 8.301  | 788.6E6   | 509.9E6   | 70.336  | 63.682  |
| 8) T                        | DICHLORPROP  | 8.144  | 8.669  | 2202.1E6  | 1168.7E6  | 710.451 | 656.080 |
| 9) T                        | 2,4-D        | 8.375  | 9.001  | 2481.5E6  | 1242.5E6  | 706.143 | 642.509 |
| 10) T                       | Pentachlo... | 8.675  | 9.531  | 34206.6E6 | 16997.6E6 | 759.435 | 682.175 |
| 11) T                       | 2,4,5-TP ... | 9.255  | 9.908  | 13778.1E6 | 7166.6E6  | 727.883 | 676.596 |
| 12) T                       | 2,4,5-T      | 9.547  | 10.328 | 14092.9E6 | 7020.5E6  | 727.151 | 676.611 |
| 13) T                       | 2,4-DB       | 10.124 | 10.895 | 2159.4E6  | 871.8E6   | 698.646 | 657.840 |
| 14) T                       | DINOSEB      | 11.339 | 11.276 | 11605.2E6 | 4779.7E6  | 715.781 | 665.943 |
| 15) T                       | Picloram     | 11.144 | 12.373 | 22787.5E6 | 9898.5E6  | 725.579 | 687.757 |
| 16) T                       | DCPA         | 11.632 | 12.321 | 19401.4E6 | 7625.2E6  | 725.928 | 680.209 |
| -----                       |              |        |        |           |           |         |         |

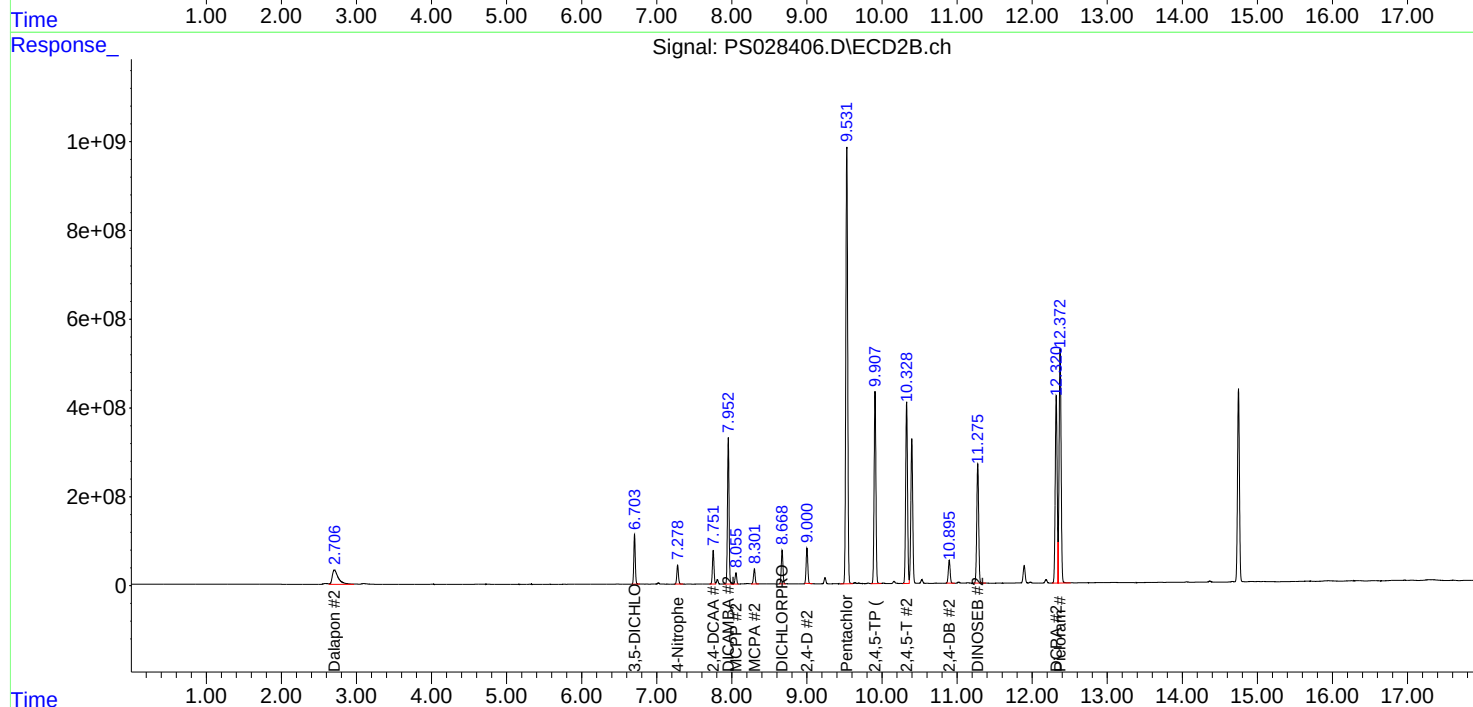
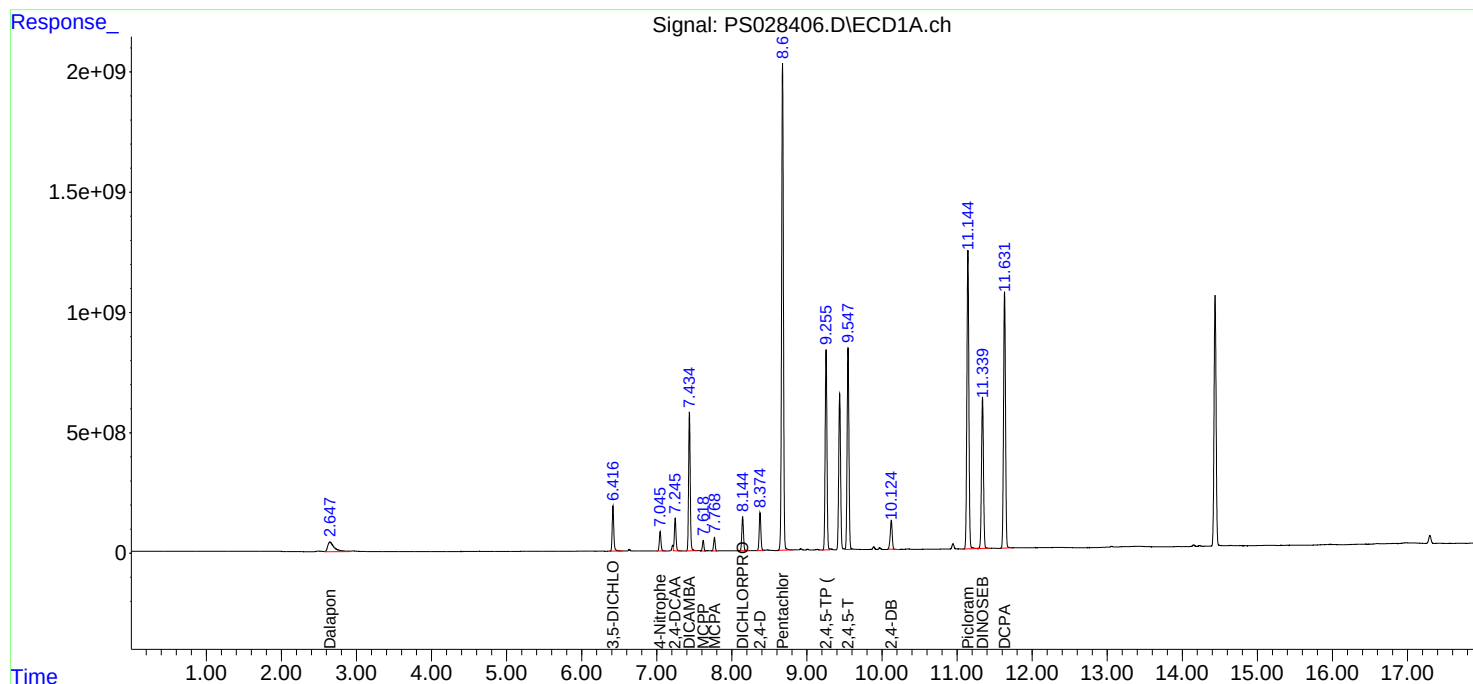
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028406.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:33  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

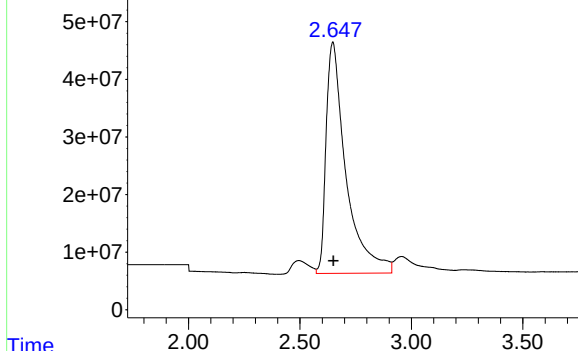
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:19:52 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Response\_ Signal: PS028406.D\ECD1A.ch

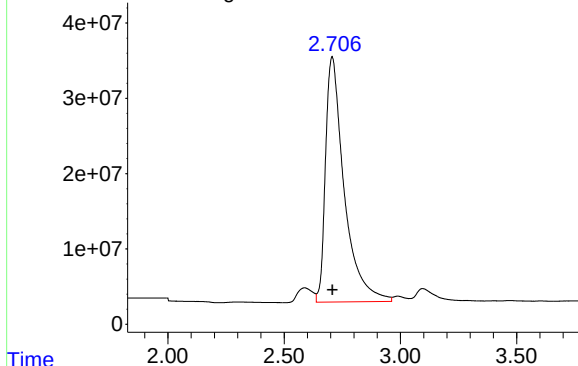


#1 Dalapon

R.T.: 2.647 min  
Delta R.T.: -0.003 min  
Response: 2488344762  
Conc: 697.38 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

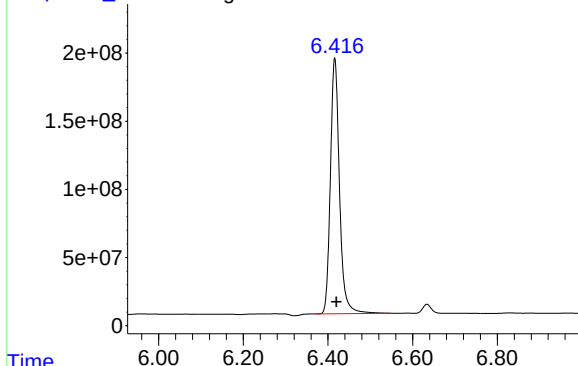
Time Response\_ Signal: PS028406.D\ECD2B.ch



#1 Dalapon

R.T.: 2.706 min  
Delta R.T.: 0.000 min  
Response: 1823066770  
Conc: 642.91 ng/ml

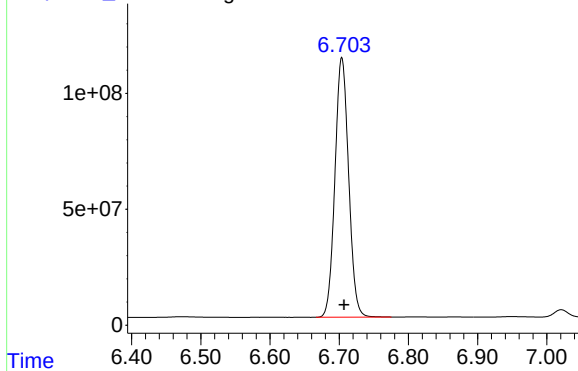
Time Response\_ Signal: PS028406.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.416 min  
Delta R.T.: -0.004 min  
Response: 2797402120  
Conc: 699.11 ng/ml

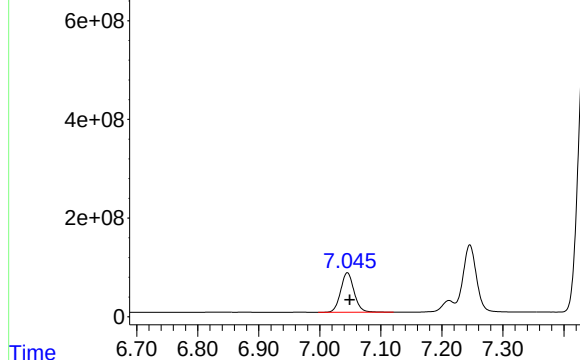
Time Response\_ Signal: PS028406.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.704 min  
Delta R.T.: -0.003 min  
Response: 1538711176  
Conc: 649.51 ng/ml

Response\_ Signal: PS028406.D\ECD1A.ch

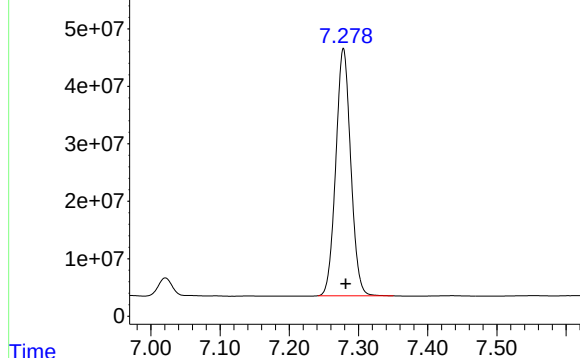


#3 4-Nitrophenol

R.T.: 7.045 min  
Delta R.T.: -0.004 min  
Response: 1221934274  
Conc: 659.00 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

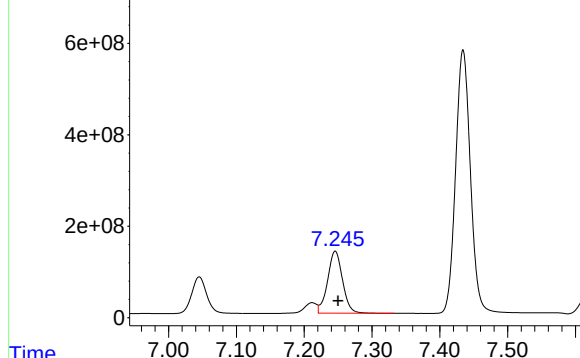
Response\_ Signal: PS028406.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.278 min  
Delta R.T.: -0.003 min  
Response: 645508605  
Conc: 609.54 ng/ml

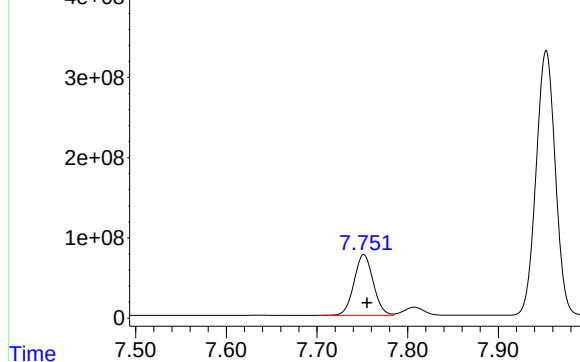
Response\_ Signal: PS028406.D\ECD1A.ch



#4 2,4-DCAA

R.T.: 7.246 min  
Delta R.T.: -0.004 min  
Response: 2069467617  
Conc: 749.60 ng/ml

Response\_ Signal: PS028406.D\ECD2B.ch

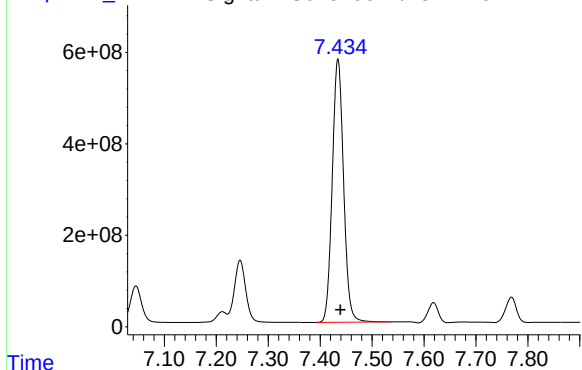


#4 2,4-DCAA

R.T.: 7.752 min  
Delta R.T.: -0.004 min  
Response: 1112013100  
Conc: 697.88 ng/ml

Response\_ Signal: PS028406.D\ECD1A.ch

#5 DICAMBA

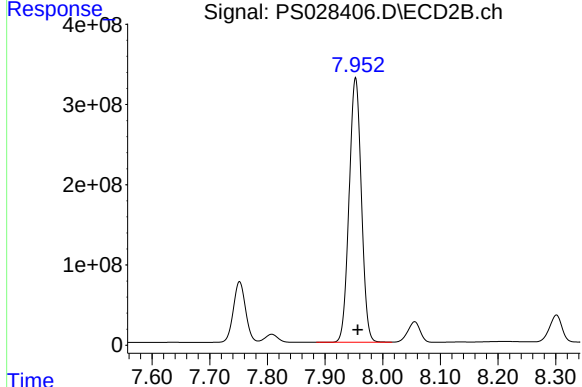


R.T.: 7.434 min  
Delta R.T.: -0.004 min  
Response: 8711506109  
Conc: 723.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

Time Response\_ Signal: PS028406.D\ECD2B.ch

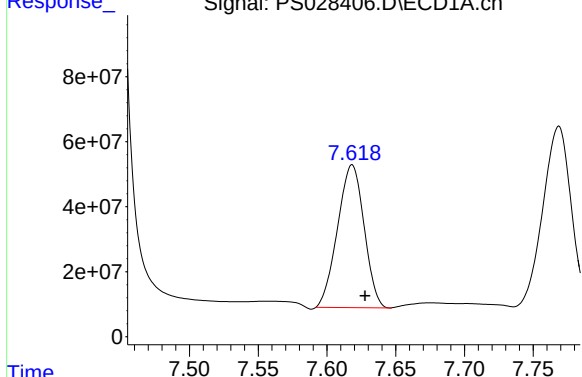
#5 DICAMBA



R.T.: 7.953 min  
Delta R.T.: -0.004 min  
Response: 4839153825  
Conc: 674.96 ng/ml

Time Response\_ Signal: PS028406.D\ECD1A.ch

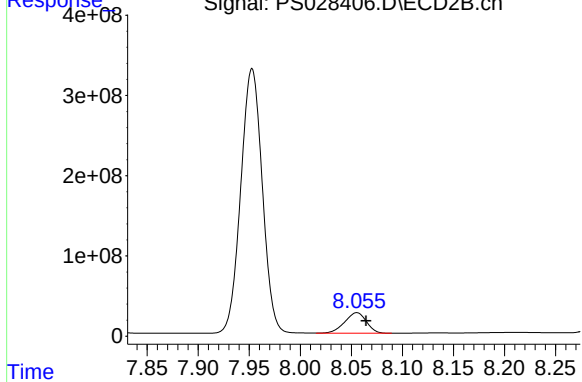
#6 MCPP



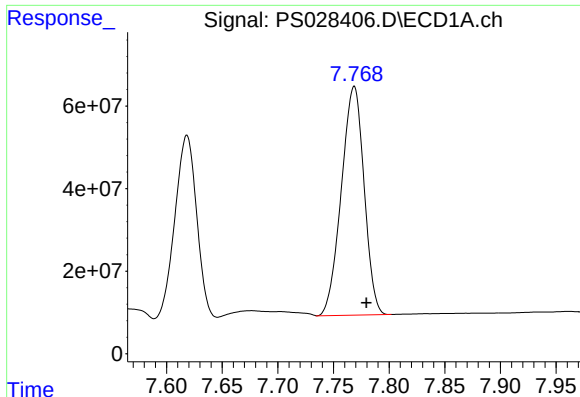
R.T.: 7.618 min  
Delta R.T.: -0.009 min  
Response: 589180507  
Conc: 72.04 ug/ml

Time Response\_ Signal: PS028406.D\ECD2B.ch

#6 MCPP



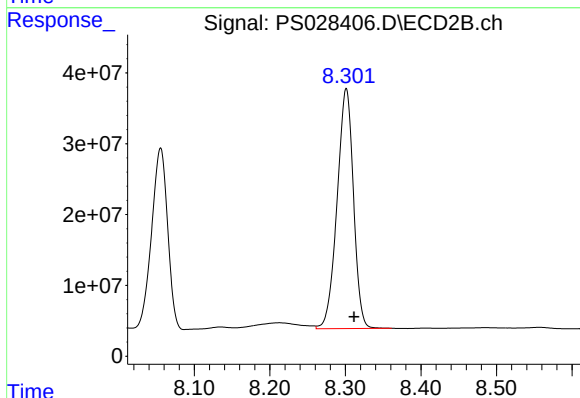
R.T.: 8.055 min  
Delta R.T.: -0.009 min  
Response: 379534569  
Conc: 64.61 ug/ml



#7 MCPA

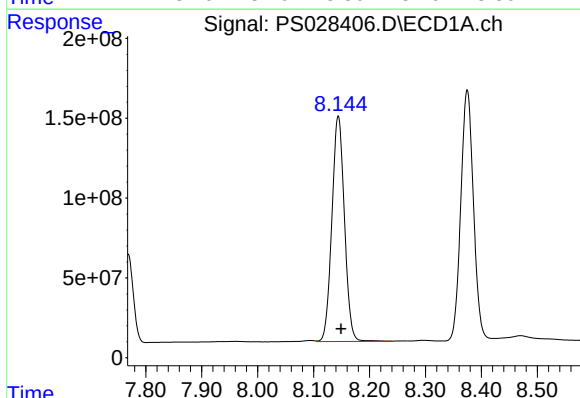
R.T.: 7.768 min  
Delta R.T.: -0.011 min  
Response: 788605310  
Conc: 70.34 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750



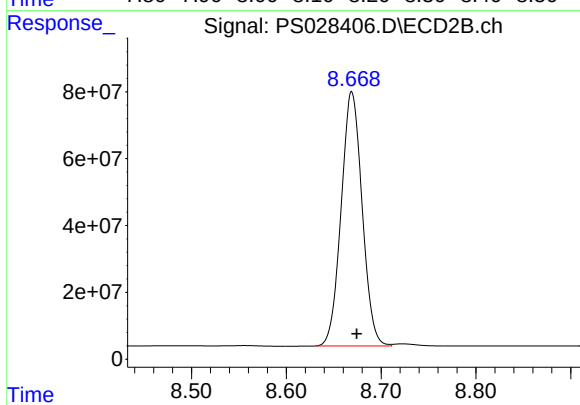
#7 MCPA

R.T.: 8.301 min  
Delta R.T.: -0.011 min  
Response: 509942729  
Conc: 63.68 ug/ml



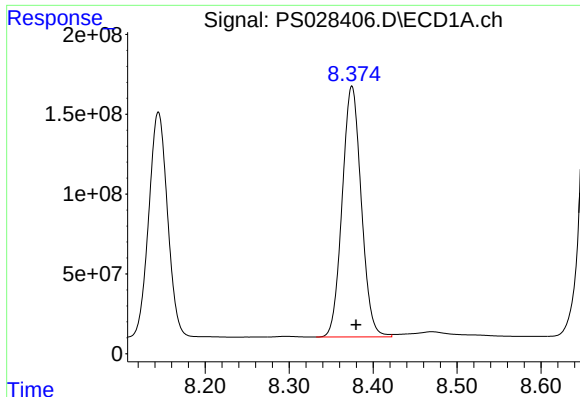
#8 DICHLORPROP

R.T.: 8.144 min  
Delta R.T.: -0.005 min  
Response: 2202141347  
Conc: 710.45 ng/ml



#8 DICHLORPROP

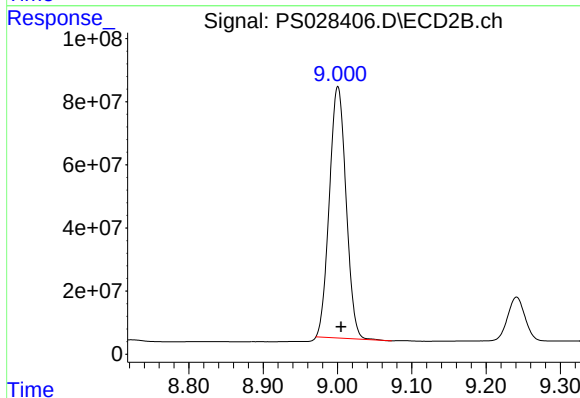
R.T.: 8.669 min  
Delta R.T.: -0.005 min  
Response: 1168651879  
Conc: 656.08 ng/ml



#9 2,4-D

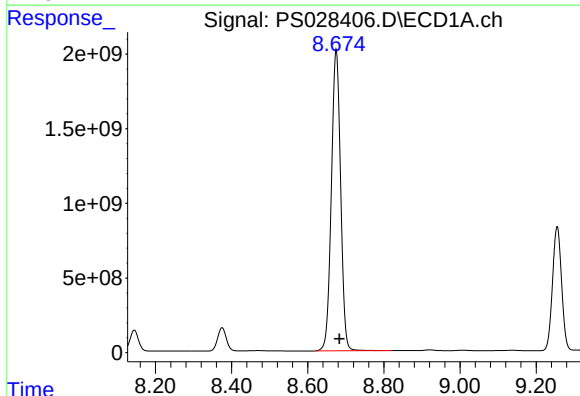
R.T.: 8.375 min  
Delta R.T.: -0.005 min  
Response: 2481530958  
Conc: 706.14 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750



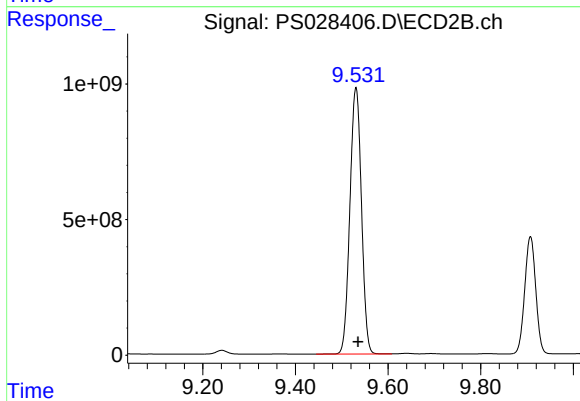
#9 2,4-D

R.T.: 9.001 min  
Delta R.T.: -0.004 min  
Response: 1242495459  
Conc: 642.51 ng/ml



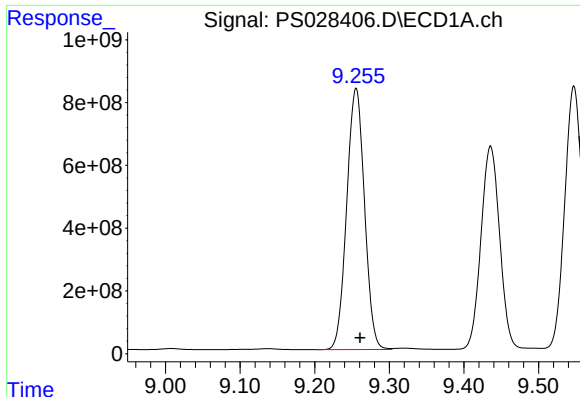
#10 Pentachlorophenol

R.T.: 8.675 min  
Delta R.T.: -0.008 min  
Response: 34206557891  
Conc: 759.44 ng/ml



#10 Pentachlorophenol

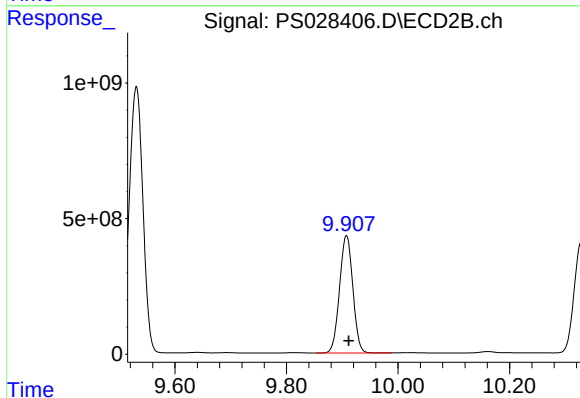
R.T.: 9.531 min  
Delta R.T.: -0.005 min  
Response: 16997647377  
Conc: 682.18 ng/ml



#11 2,4,5-TP (SILVEX)

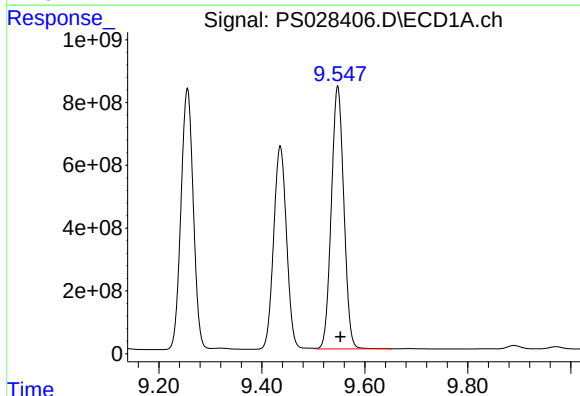
R.T.: 9.255 min  
Delta R.T.: -0.006 min  
Response: 13778060240  
Conc: 727.88 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750



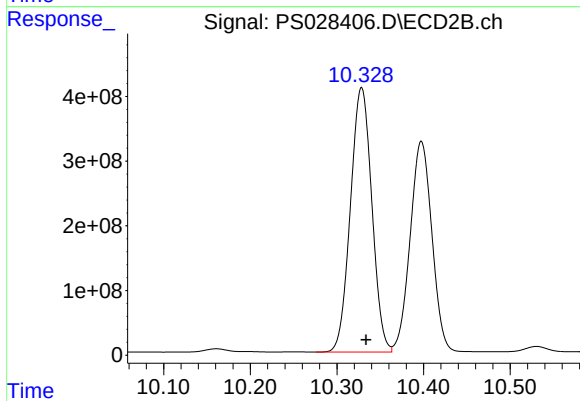
#11 2,4,5-TP (SILVEX)

R.T.: 9.908 min  
Delta R.T.: -0.004 min  
Response: 7166645161  
Conc: 676.60 ng/ml



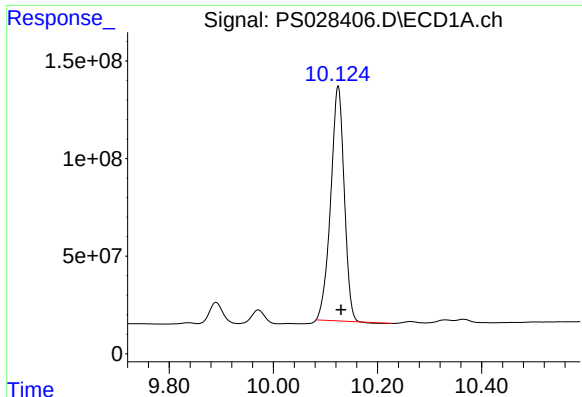
#12 2,4,5-T

R.T.: 9.547 min  
Delta R.T.: -0.005 min  
Response: 14092910021  
Conc: 727.15 ng/ml



#12 2,4,5-T

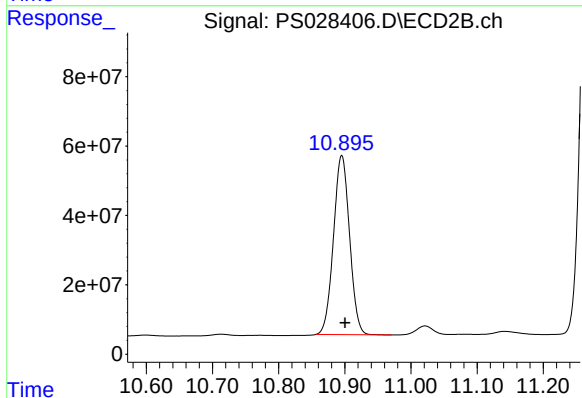
R.T.: 10.328 min  
Delta R.T.: -0.005 min  
Response: 7020540525  
Conc: 676.61 ng/ml



#13 2,4-DB

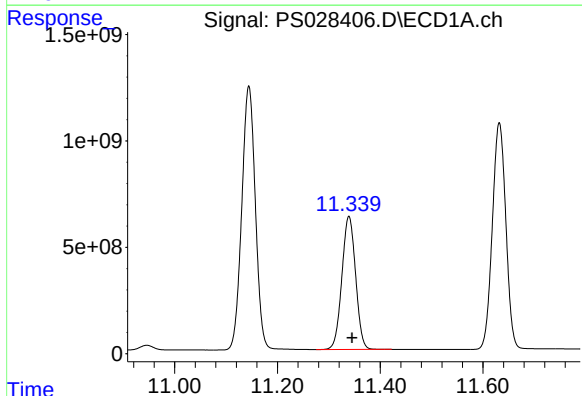
R.T.: 10.124 min  
Delta R.T.: -0.006 min  
Response: 2159433433  
Conc: 698.65 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750



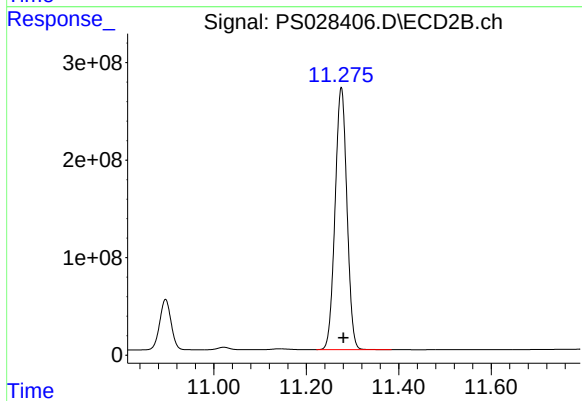
#13 2,4-DB

R.T.: 10.895 min  
Delta R.T.: -0.005 min  
Response: 871823133  
Conc: 657.84 ng/ml



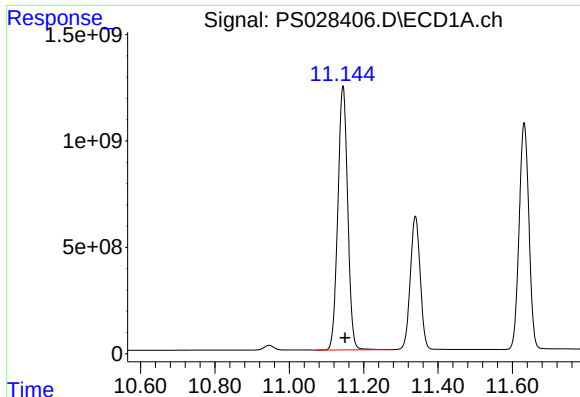
#14 DINOSEB

R.T.: 11.339 min  
Delta R.T.: -0.006 min  
Response: 11605214410  
Conc: 715.78 ng/ml



#14 DINOSEB

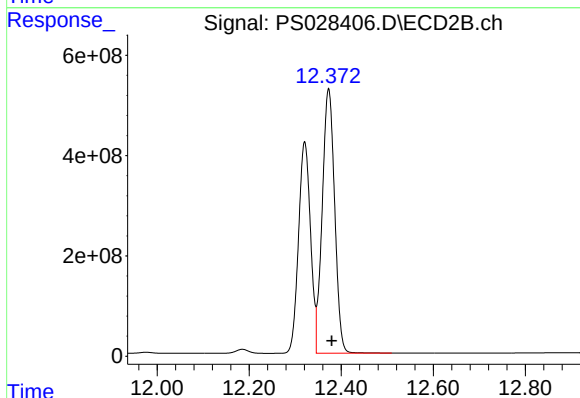
R.T.: 11.276 min  
Delta R.T.: -0.005 min  
Response: 4779698934  
Conc: 665.94 ng/ml



#15 Picloram

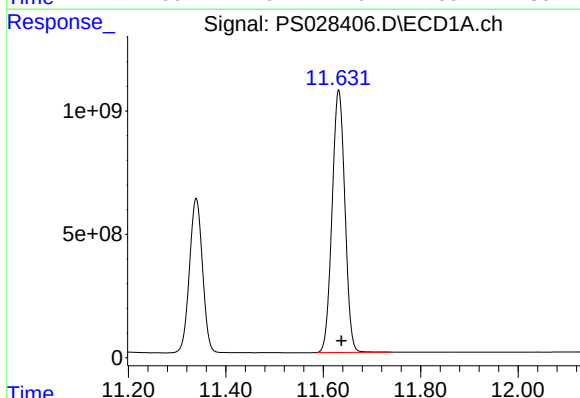
R.T.: 11.144 min  
Delta R.T.: -0.006 min  
Response: 22787496023  
Conc: 725.58 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750



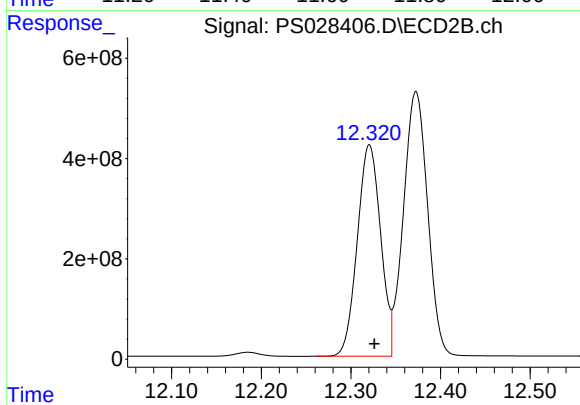
#15 Picloram

R.T.: 12.373 min  
Delta R.T.: -0.007 min  
Response: 9898546049  
Conc: 687.76 ng/ml



#16 DCPA

R.T.: 11.632 min  
Delta R.T.: -0.006 min  
Response: 19401447379  
Conc: 725.93 ng/ml



#16 DCPA

R.T.: 12.321 min  
Delta R.T.: -0.006 min  
Response: 7625243119  
Conc: 680.21 ng/ml



## Analytical Sequence

|                         |                      |                                             |
|-------------------------|----------------------|---------------------------------------------|
| Client: Tetra Tech, EMI | SDG No.: P4601       |                                             |
| Project: R36704         | Instrument ID: ECD_S |                                             |
| GC Column: RTX-CLP      | ID: 0.32 (mm)        | Inst. Calib. Date(s): 11/06/2024 11/06/2024 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCAA<br>RT # | RT # |
|-------------------|------------------|------------------|------------------|------------|--------------|------|
| IBLK              | IBLK             | 11/06/2024       | 09:24            | PS028252.D | 7.26         | 0.00 |
| HSTDICC200        | HSTDICC200       | 11/06/2024       | 09:48            | PS028253.D | 7.26         | 0.00 |
| HSTDICC500        | HSTDICC500       | 11/06/2024       | 10:12            | PS028254.D | 7.26         | 0.00 |
| HSTDICC750        | HSTDICC750       | 11/06/2024       | 10:36            | PS028255.D | 7.26         | 0.00 |
| HSTDICC1000       | HSTDICC1000      | 11/06/2024       | 11:00            | PS028256.D | 7.26         | 0.00 |
| HSTDICC1500       | HSTDICC1500      | 11/06/2024       | 11:24            | PS028257.D | 7.26         | 0.00 |
| IBLK              | IBLK             | 11/06/2024       | 22:39            | PS028283.D | 7.26         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/06/2024       | 23:03            | PS028284.D | 7.26         | 0.00 |
| PB164559BL        | PB164559BL       | 11/07/2024       | 03:28            | PS028294.D | 7.26         | 0.00 |
| PB164559BS        | PB164559BS       | 11/07/2024       | 03:52            | PS028295.D | 7.26         | 0.00 |
| IBLK              | IBLK             | 11/07/2024       | 04:16            | PS028296.D | 7.26         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/07/2024       | 04:40            | PS028297.D | 7.26         | 0.00 |
| C0P10             | P4601-19         | 11/07/2024       | 05:28            | PS028298.D | 7.26         | 0.00 |
| C0P12             | P4601-20         | 11/07/2024       | 05:52            | PS028299.D | 7.26         | 0.00 |
| C0P16             | P4601-21         | 11/07/2024       | 06:16            | PS028300.D | 7.26         | 0.00 |
| C0P18             | P4601-22         | 11/07/2024       | 06:40            | PS028301.D | 7.26         | 0.00 |
| C0P19             | P4601-23         | 11/07/2024       | 07:04            | PS028302.D | 7.26         | 0.00 |
| CC0P1             | P4601-24         | 11/07/2024       | 07:28            | PS028303.D | 7.26         | 0.00 |
| CC0P3             | P4601-25         | 11/07/2024       | 07:52            | PS028304.D | 7.26         | 0.00 |
| CC0P5             | P4601-26         | 11/07/2024       | 08:16            | PS028305.D | 7.26         | 0.00 |
| CC0P7             | P4601-27         | 11/07/2024       | 08:40            | PS028306.D | 7.26         | 0.00 |
| CC0P9             | P4601-28         | 11/07/2024       | 09:04            | PS028307.D | 7.26         | 0.00 |
| IBLK              | IBLK             | 11/07/2024       | 09:28            | PS028308.D | 7.26         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/07/2024       | 09:52            | PS028309.D | 7.26         | 0.00 |
| IBLK              | IBLK             | 11/08/2024       | 14:25            | PS028355.D | 7.25         | 0.00 |
| HSTDICC200        | HSTDICC200       | 11/08/2024       | 15:13            | PS028356.D | 7.25         | 0.00 |
| HSTDICC500        | HSTDICC500       | 11/08/2024       | 15:46            | PS028357.D | 7.25         | 0.00 |
| HSTDICC750        | HSTDICC750       | 11/08/2024       | 16:10            | PS028358.D | 7.25         | 0.00 |
| HSTDICC1000       | HSTDICC1000      | 11/08/2024       | 16:34            | PS028359.D | 7.25         | 0.00 |
| HSTDICC1500       | HSTDICC1500      | 11/08/2024       | 16:58            | PS028360.D | 7.25         | 0.00 |
| IBLK              | IBLK             | 11/11/2024       | 10:24            | PS028393.D | 7.25         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/11/2024       | 10:48            | PS028394.D | 7.25         | 0.00 |
| CC0Q1             | P4601-29         | 11/11/2024       | 12:05            | PS028395.D | 7.25         | 0.00 |
| CC0Q6             | P4601-30         | 11/11/2024       | 12:29            | PS028396.D | 7.25         | 0.00 |
| CC0Q8             | P4601-31         | 11/11/2024       | 12:56            | PS028397.D | 7.25         | 0.00 |
| CC0R3             | P4601-32         | 11/11/2024       | 13:20            | PS028398.D | 7.25         | 0.00 |
| CC0R4             | P4601-33         | 11/11/2024       | 13:44            | PS028399.D | 7.25         | 0.00 |
| CC0R5             | P4601-34         | 11/11/2024       | 14:08            | PS028400.D | 7.25         | 0.00 |
| CC0R6             | P4601-35         | 11/11/2024       | 14:32            | PS028401.D | 7.25         | 0.00 |
| CC0R7             | P4601-36         | 11/11/2024       | 14:57            | PS028402.D | 7.25         | 0.00 |
| CC0R7MS           | P4601-37MS       | 11/11/2024       | 15:21            | PS028403.D | 7.25         | 0.00 |
| CC0R7MSD          | P4601-38MSD      | 11/11/2024       | 15:45            | PS028404.D | 7.25         | 0.00 |

**Analytical Sequence**

|            |            |            |       |            |      |      |
|------------|------------|------------|-------|------------|------|------|
| I.BLK      | I.BLK      | 11/11/2024 | 16:09 | PS028405.D | 7.25 | 0.00 |
| HSTDCCC750 | HSTDCCC750 | 11/11/2024 | 16:33 | PS028406.D | 7.25 | 0.00 |

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## Analytical Sequence

|                         |                      |                                             |
|-------------------------|----------------------|---------------------------------------------|
| Client: Tetra Tech, EMI | SDG No.: P4601       |                                             |
| Project: R36704         | Instrument ID: ECD_S |                                             |
| GC Column: RTX-CLP2     | ID: 0.32 (mm)        | Inst. Calib. Date(s): 11/06/2024 11/06/2024 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCAA<br>RT # | RT # |
|-------------------|------------------|------------------|------------------|------------|--------------|------|
| IBLK              | IBLK             | 11/06/2024       | 09:24            | PS028252.D | 7.76         | 0.00 |
| HSTDICC200        | HSTDICC200       | 11/06/2024       | 09:48            | PS028253.D | 7.77         | 0.00 |
| HSTDICC500        | HSTDICC500       | 11/06/2024       | 10:12            | PS028254.D | 7.77         | 0.00 |
| HSTDICC750        | HSTDICC750       | 11/06/2024       | 10:36            | PS028255.D | 7.77         | 0.00 |
| HSTDICC1000       | HSTDICC1000      | 11/06/2024       | 11:00            | PS028256.D | 7.77         | 0.00 |
| HSTDICC1500       | HSTDICC1500      | 11/06/2024       | 11:24            | PS028257.D | 7.77         | 0.00 |
| IBLK              | IBLK             | 11/06/2024       | 22:39            | PS028283.D | 7.76         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/06/2024       | 23:03            | PS028284.D | 7.76         | 0.00 |
| PB164559BL        | PB164559BL       | 11/07/2024       | 03:28            | PS028294.D | 7.76         | 0.00 |
| PB164559BS        | PB164559BS       | 11/07/2024       | 03:52            | PS028295.D | 7.76         | 0.00 |
| IBLK              | IBLK             | 11/07/2024       | 04:16            | PS028296.D | 7.76         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/07/2024       | 04:40            | PS028297.D | 7.76         | 0.00 |
| C0P10             | P4601-19         | 11/07/2024       | 05:28            | PS028298.D | 7.76         | 0.00 |
| C0P12             | P4601-20         | 11/07/2024       | 05:52            | PS028299.D | 7.76         | 0.00 |
| C0P16             | P4601-21         | 11/07/2024       | 06:16            | PS028300.D | 7.76         | 0.00 |
| C0P18             | P4601-22         | 11/07/2024       | 06:40            | PS028301.D | 7.76         | 0.00 |
| C0P19             | P4601-23         | 11/07/2024       | 07:04            | PS028302.D | 7.76         | 0.00 |
| CC0P1             | P4601-24         | 11/07/2024       | 07:28            | PS028303.D | 7.76         | 0.00 |
| CC0P3             | P4601-25         | 11/07/2024       | 07:52            | PS028304.D | 7.76         | 0.00 |
| CC0P5             | P4601-26         | 11/07/2024       | 08:16            | PS028305.D | 7.76         | 0.00 |
| CC0P7             | P4601-27         | 11/07/2024       | 08:40            | PS028306.D | 7.76         | 0.00 |
| CC0P9             | P4601-28         | 11/07/2024       | 09:04            | PS028307.D | 7.76         | 0.00 |
| IBLK              | IBLK             | 11/07/2024       | 09:28            | PS028308.D | 7.76         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/07/2024       | 09:52            | PS028309.D | 7.76         | 0.00 |
| IBLK              | IBLK             | 11/08/2024       | 14:25            | PS028355.D | 7.76         | 0.00 |
| HSTDICC200        | HSTDICC200       | 11/08/2024       | 15:13            | PS028356.D | 7.76         | 0.00 |
| HSTDICC500        | HSTDICC500       | 11/08/2024       | 15:46            | PS028357.D | 7.75         | 0.00 |
| HSTDICC750        | HSTDICC750       | 11/08/2024       | 16:10            | PS028358.D | 7.76         | 0.00 |
| HSTDICC1000       | HSTDICC1000      | 11/08/2024       | 16:34            | PS028359.D | 7.76         | 0.00 |
| HSTDICC1500       | HSTDICC1500      | 11/08/2024       | 16:58            | PS028360.D | 7.76         | 0.00 |
| IBLK              | IBLK             | 11/11/2024       | 10:24            | PS028393.D | 7.75         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 11/11/2024       | 10:48            | PS028394.D | 7.75         | 0.00 |
| CC0Q1             | P4601-29         | 11/11/2024       | 12:05            | PS028395.D | 7.75         | 0.00 |
| CC0Q6             | P4601-30         | 11/11/2024       | 12:29            | PS028396.D | 7.75         | 0.00 |
| CC0Q8             | P4601-31         | 11/11/2024       | 12:56            | PS028397.D | 7.75         | 0.00 |
| CC0R3             | P4601-32         | 11/11/2024       | 13:20            | PS028398.D | 7.75         | 0.00 |
| CC0R4             | P4601-33         | 11/11/2024       | 13:44            | PS028399.D | 7.75         | 0.00 |
| CC0R5             | P4601-34         | 11/11/2024       | 14:08            | PS028400.D | 7.75         | 0.00 |
| CC0R6             | P4601-35         | 11/11/2024       | 14:32            | PS028401.D | 7.75         | 0.00 |
| CC0R7             | P4601-36         | 11/11/2024       | 14:57            | PS028402.D | 7.75         | 0.00 |
| CC0R7MS           | P4601-37MS       | 11/11/2024       | 15:21            | PS028403.D | 7.76         | 0.00 |
| CC0R7MSD          | P4601-38MSD      | 11/11/2024       | 15:45            | PS028404.D | 7.75         | 0.00 |

**Analytical Sequence**

|            |            |            |       |            |      |      |
|------------|------------|------------|-------|------------|------|------|
| I.BLK      | I.BLK      | 11/11/2024 | 16:09 | PS028405.D | 7.75 | 0.00 |
| HSTDCCC750 | HSTDCCC750 | 11/11/2024 | 16:33 | PS028406.D | 7.75 | 0.00 |

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### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MS

Contract: TETR16

Lab Code: CHEM

Case No.: P4601

SAS No.: P4601

SDG NO.: P4601

Lab Sample ID: P4601-37MS

Date(s) Analyzed: 11/11/2024

11/11/2024

Instrument ID (1): ECD\_S

Instrument ID (2): ECD\_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

| ANALYTE          | COL | RT    | RT WINDOW |       | CONCENTRATION | %RPD |
|------------------|-----|-------|-----------|-------|---------------|------|
|                  |     |       | FROM      | TO    |               |      |
| DICHLORPROP      | 1   | 8.15  | 8.10      | 8.20  | 175           | 9    |
|                  | 2   | 8.67  | 8.62      | 8.72  | 160           |      |
| 2,4-D            | 1   | 8.38  | 8.33      | 8.43  | 235           | 24.6 |
|                  | 2   | 9.00  | 8.95      | 9.05  | 301           |      |
| 2,4,5-TP(Silvex) | 1   | 9.26  | 9.21      | 9.31  | 159           | 61.4 |
|                  | 2   | 9.91  | 9.86      | 9.96  | 300           |      |
| 2,4,5-T          | 1   | 9.55  | 9.50      | 9.60  | 182           | 4.5  |
|                  | 2   | 10.33 | 10.28     | 10.38 | 174           |      |
| 2,4-DB           | 1   | 10.13 | 10.08     | 10.18 | 176           | 2.2  |
|                  | 2   | 10.90 | 10.85     | 10.95 | 180           |      |
| DICAMBA          | 1   | 7.44  | 7.39      | 7.49  | 165           | 6.3  |
|                  | 2   | 7.95  | 7.90      | 8.00  | 155           |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MSD

Contract: TETR16

Lab Code: CHEM

Case No.: P4601

SAS No.: P4601

SDG NO.: P4601

Lab Sample ID: P4601-38MSD

Date(s) Analyzed: 11/11/2024

11/11/2024

Instrument ID (1): ECD\_S

Instrument ID (2): ECD\_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

| ANALYTE          | COL | RT    | RT WINDOW |       | CONCENTRATION | %RPD |
|------------------|-----|-------|-----------|-------|---------------|------|
|                  |     |       | FROM      | TO    |               |      |
| DICHLORPROP      | 1   | 8.15  | 8.10      | 8.20  | 173           | 8.4  |
|                  | 2   | 8.67  | 8.62      | 8.72  | 159           |      |
| 2,4-D            | 1   | 8.38  | 8.33      | 8.43  | 235           | 28.5 |
|                  | 2   | 9.00  | 8.95      | 9.05  | 313           |      |
| 2,4,5-TP(Silvex) | 1   | 9.26  | 9.21      | 9.31  | 158           | 61.4 |
|                  | 2   | 9.91  | 9.86      | 9.96  | 298           |      |
| 2,4,5-T          | 1   | 9.55  | 9.50      | 9.60  | 180           | 4    |
|                  | 2   | 10.33 | 10.28     | 10.38 | 173           |      |
| 2,4-DB           | 1   | 10.13 | 10.08     | 10.18 | 175           | 1.1  |
|                  | 2   | 10.90 | 10.85     | 10.95 | 177           |      |
| DICAMBA          | 1   | 7.44  | 7.39      | 7.49  | 164           | 7.6  |
|                  | 2   | 7.95  | 7.90      | 8.00  | 152           |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164559BS

Contract: TETR16

Lab Code: CHEM

Case No.: P4601

SAS No.: P4601

SDG NO.: P4601

Lab Sample ID: PB164559BS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD\_S

Instrument ID (2): ECD\_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column: (2): RTX-CLP2

ID: 0.32 (mm)

| ANALYTE          | COL | RT    | RT WINDOW |       | CONCENTRATION | %RPD |
|------------------|-----|-------|-----------|-------|---------------|------|
|                  |     |       | FROM      | TO    |               |      |
| DICHLORPROP      | 1   | 8.16  | 8.11      | 8.21  | 173           | 7.8  |
|                  | 2   | 8.68  | 8.63      | 8.73  | 160           |      |
| 2,4-D            | 1   | 8.39  | 8.34      | 8.44  | 174           | 9.6  |
|                  | 2   | 9.01  | 8.96      | 9.06  | 158           |      |
| 2,4,5-TP(Silvex) | 1   | 9.27  | 9.22      | 9.32  | 178           | 9.4  |
|                  | 2   | 9.92  | 9.87      | 9.97  | 162           |      |
| 2,4,5-T          | 1   | 9.56  | 9.51      | 9.61  | 177           | 10.7 |
|                  | 2   | 10.34 | 10.29     | 10.39 | 159           |      |
| 2,4-DB           | 1   | 10.14 | 10.09     | 10.19 | 173           | 12.3 |
|                  | 2   | 10.91 | 10.86     | 10.96 | 153           |      |
| Dinoseb          | 1   | 11.36 | 11.31     | 11.41 | 172           | 13   |
|                  | 2   | 11.29 | 11.24     | 11.34 | 151           |      |
| DICAMBA          | 1   | 7.45  | 7.40      | 7.50  | 170           | 4.8  |
|                  | 2   | 7.96  | 7.91      | 8.01  | 162           |      |



# QC SAMPLE DATA

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## Report of Analysis

|                    |                        |                    |                    |
|--------------------|------------------------|--------------------|--------------------|
| Client:            | Tetra Tech, EMI        | Date Collected:    |                    |
| Project:           | R36704                 | Date Received:     |                    |
| Client Sample ID:  | PB164559BL             | SDG No.:           | P4601              |
| Lab Sample ID:     | PB164559BL             | Matrix:            | SOIL               |
| Analytical Method: | SW8151A                | % Solid:           | 100      Decanted: |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:         | 10000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:              | Herbicide          |
| Extraction Type:   |                        | Injection Volume : |                    |
| GPC Factor :       | 1.0      PH :          |                    |                    |
| Prep Method :      | 8151A                  |                    |                    |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028294.D        | 1         | 10/31/24 10:00 | 11/07/24 03:28 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 67.0  | U         | 8.70     | 67.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 67.0  | U         | 9.50     | 67.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 67.0  | U         | 12.1     | 67.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 67.0  | U         | 9.40     | 67.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 67.0  | U         | 10.1     | 67.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 67.0  | U         | 18.3     | 67.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 67.0  | U         | 12.4     | 67.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 560   |           | 10 - 141 | 112%       | SPK: 500          |

### 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\_S\Data\PS110624\  
Data File : PS028294.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 03:28  
Operator : AR\AJ  
Sample : PB164559BL  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BL

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 04:56:31 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| -----                       |       |       |          |         |          |          |
| System Monitoring Compounds |       |       |          |         |          |          |
| 4) S 2,4-DCAA               | 7.258 | 7.762 | 1433.8E6 | 898.8E6 | 559.752m | 516.028m |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028294.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 03:28  
Operator : AR\AJ  
Sample : PB164559BL  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB164559BL

## Manual Integrations

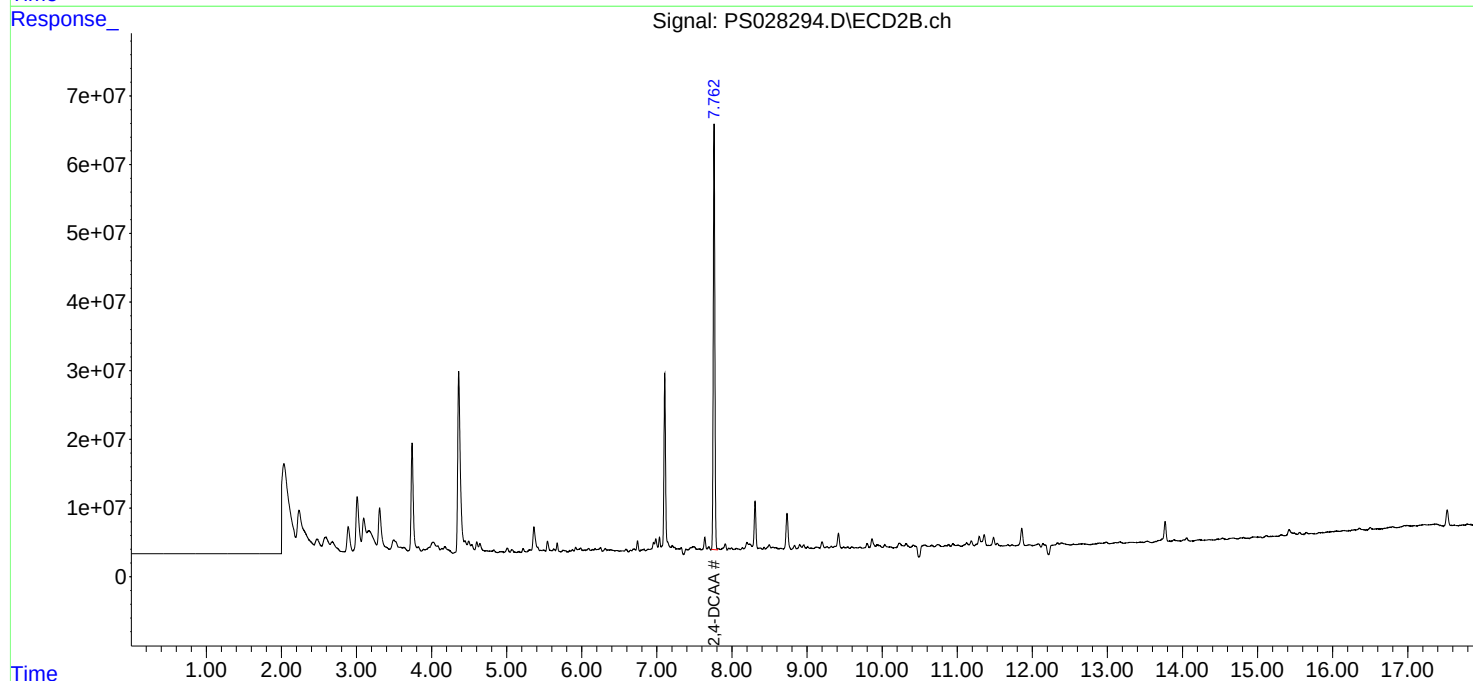
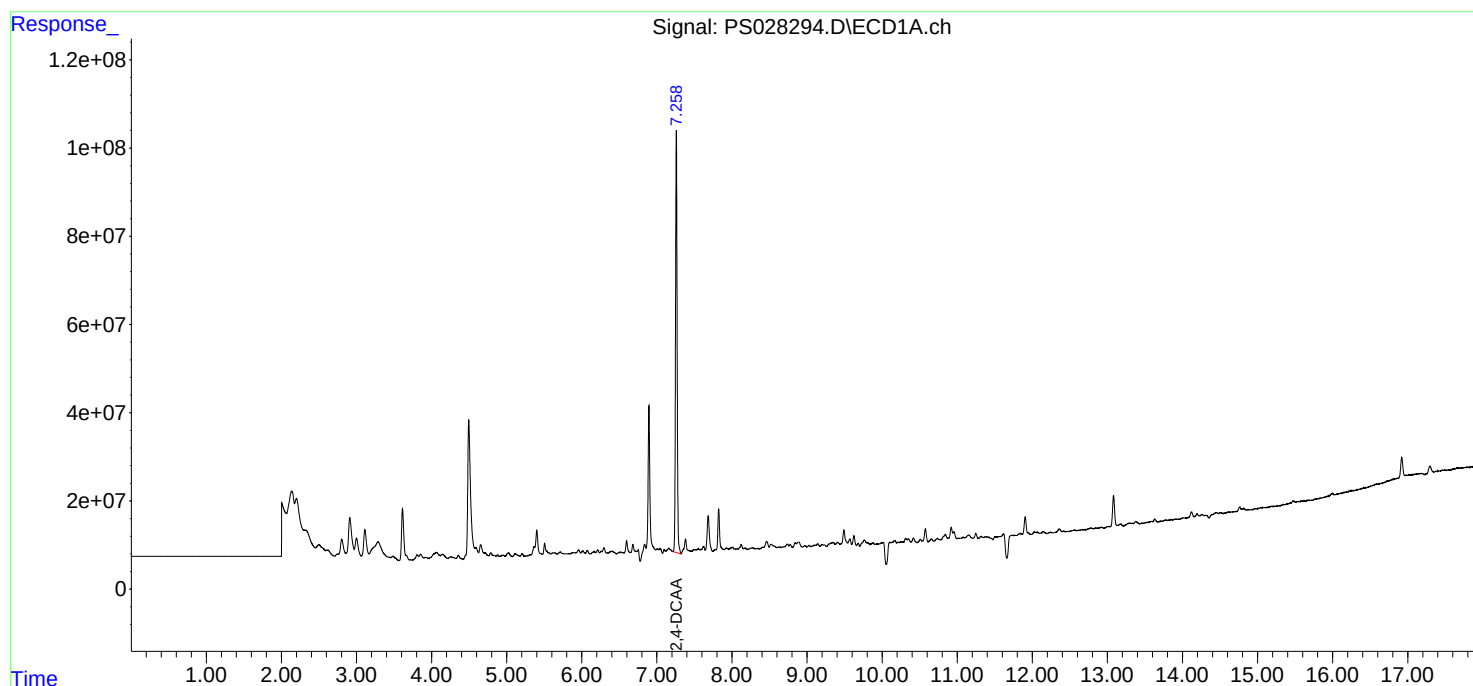
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

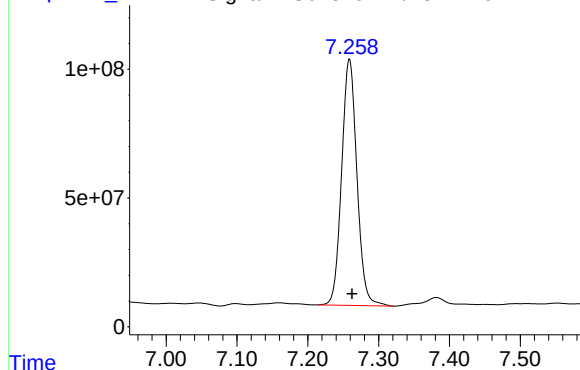
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 04:56:31 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028294.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.258 min  
Delta R.T.: -0.004 min  
Response: 1433755402  
Conc: 559.75 ng/ml

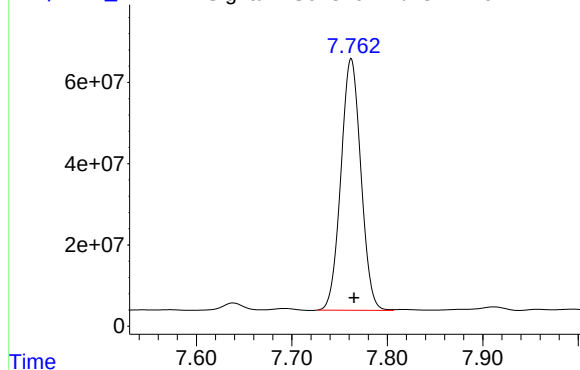
Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BL

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Signal: PS028294.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.762 min  
Delta R.T.: -0.003 min  
Response: 898807433  
Conc: 516.03 ng/ml m

## Report of Analysis

|                    |                  |           |                    |           |           |
|--------------------|------------------|-----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI  |           | Date Collected:    | 11/06/24  |           |
| Project:           | R36704           |           | Date Received:     | 11/06/24  |           |
| Client Sample ID:  | PIBLK-PS028252.D |           | SDG No.:           | P4601     |           |
| Lab Sample ID:     | I.BLK-PS028252.D |           | Matrix:            | WATER     |           |
| Analytical Method: | SW8151A          |           | % Solid:           | 0         | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | Herbicide |           |
| Extraction Type:   |                  |           | Injection Volume : |           |           |
| GPC Factor :       | 1.0              | PH :      |                    |           |           |
| Prep Method :      | SW3510C          |           |                    |           |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028252.D        | 1         |           | 11/06/24      | PS110624      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 491   |           | 39 - 175 | 98%        | SPK: 500 |

### 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\_S\Data\PS110624\  
Data File : PS028252.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 09:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:48:59 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 4) S 2,4-DCAA               | 7.262 | 7.764 | 1253.5E6 | 855.9E6 | 489.362 | 491.394 |

Target Compounds

-----

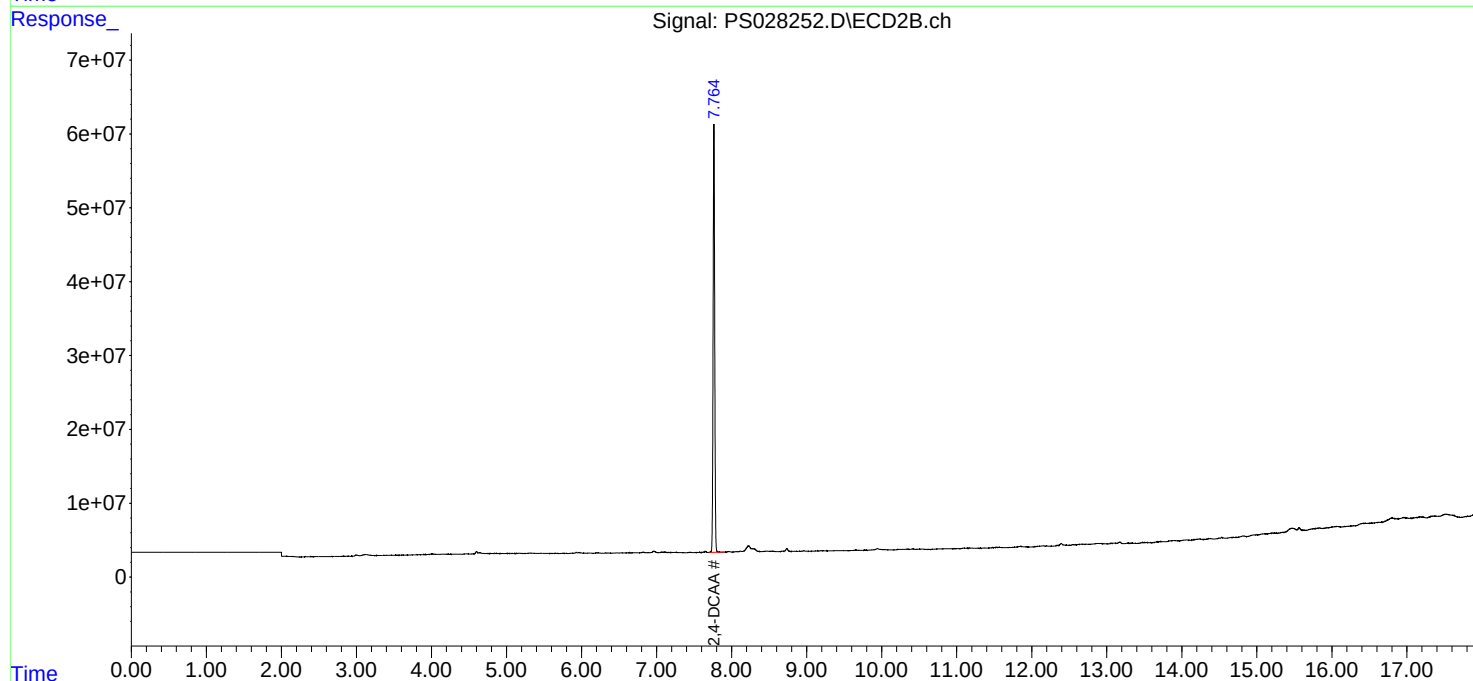
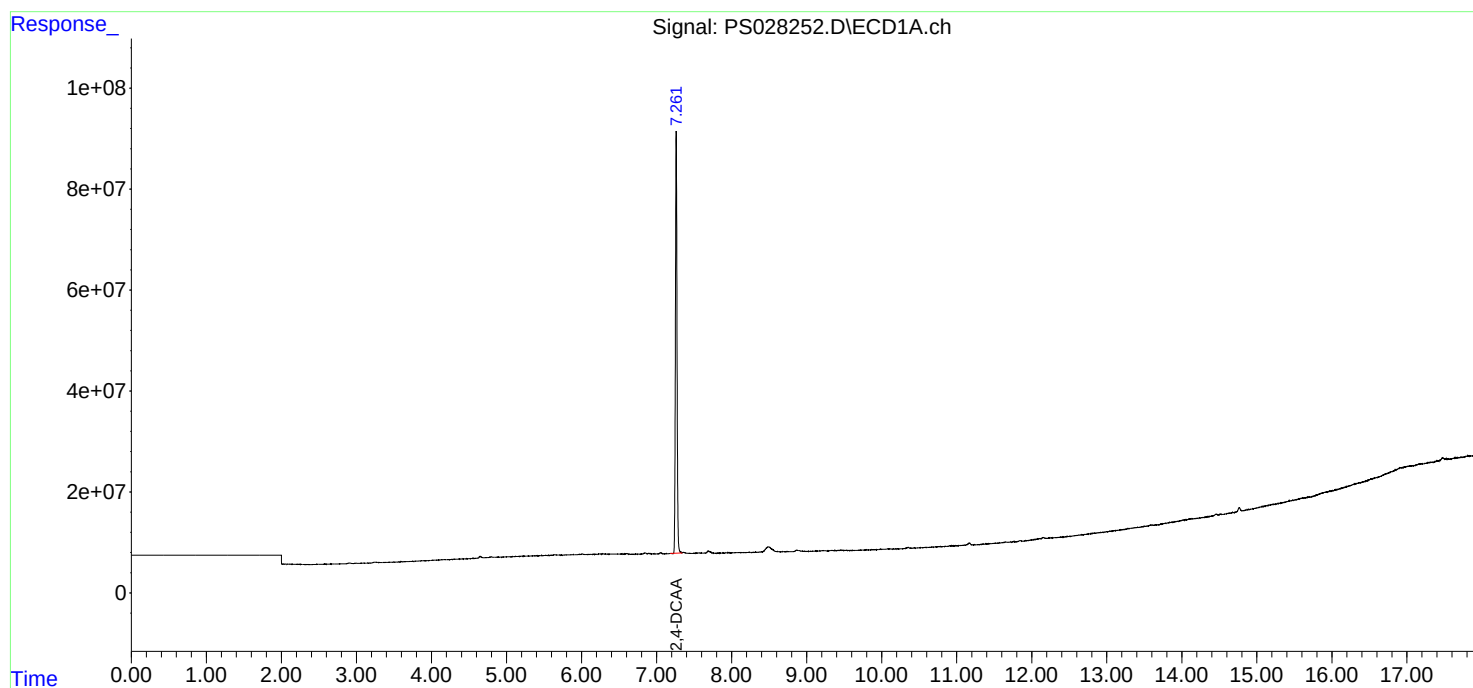
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028252.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 09:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

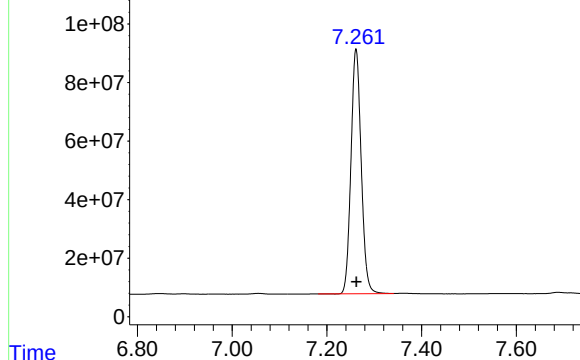
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 11:48:59 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028252.D\ECD1A.ch

#4 2,4-DCAA

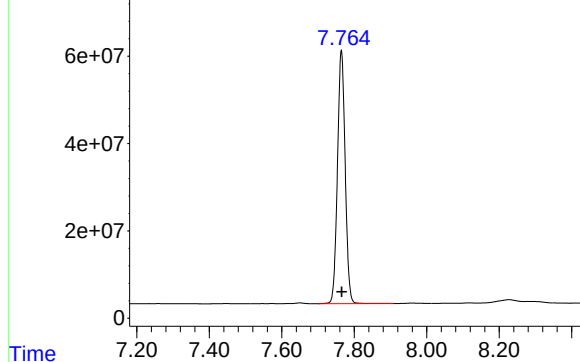


R.T.: 7.262 min  
Delta R.T.: 0.000 min  
Response: 1253458597  
Conc: 489.36 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Signal: PS028252.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.764 min  
Delta R.T.: 0.000 min  
Response: 855899732  
Conc: 491.39 ng/ml



## Report of Analysis

|                    |                  |           |                    |           |           |
|--------------------|------------------|-----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI  |           | Date Collected:    | 11/06/24  |           |
| Project:           | R36704           |           | Date Received:     | 11/06/24  |           |
| Client Sample ID:  | PIBLK-PS028283.D |           | SDG No.:           | P4601     |           |
| Lab Sample ID:     | I.BLK-PS028283.D |           | Matrix:            | WATER     |           |
| Analytical Method: | SW8151A          |           | % Solid:           | 0         | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | Herbicide |           |
| Extraction Type:   |                  |           | Injection Volume : |           |           |
| GPC Factor :       | 1.0              | PH :      |                    |           |           |
| Prep Method :      | SW3510C          |           |                    |           |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028283.D        | 1         |           | 11/06/24      | PS110624      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 529   |           | 39 - 175 | 106%       | SPK: 500 |

### 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\_S\Data\PS110624\  
Data File : PS028283.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 22:39  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 00:54:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml   |
|-----------------------------|-------|-------|----------|---------|----------|---------|
| -----                       |       |       |          |         |          |         |
| System Monitoring Compounds |       |       |          |         |          |         |
| 4) S 2,4-DCAA               | 7.260 | 7.763 | 1355.0E6 | 899.1E6 | 529.013m | 516.170 |

Target Compounds  
-----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028283.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Nov 2024 22:39  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

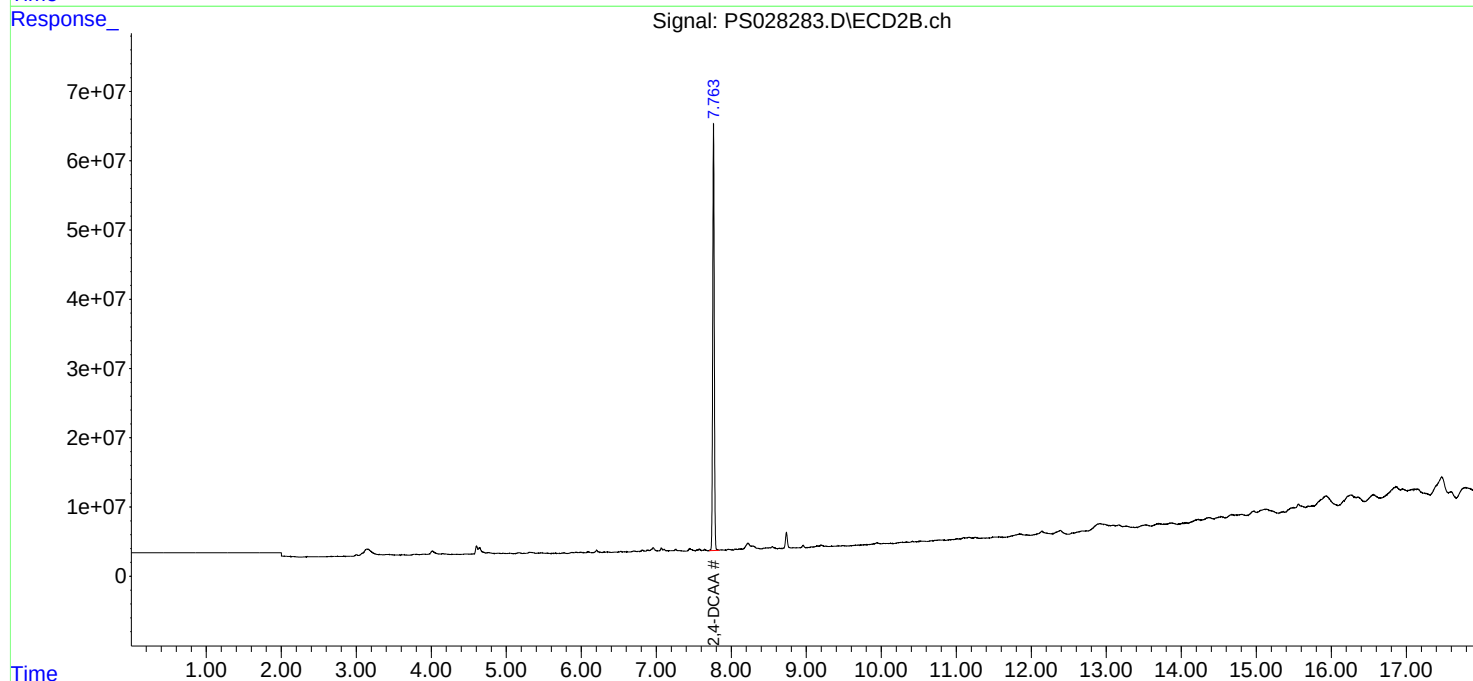
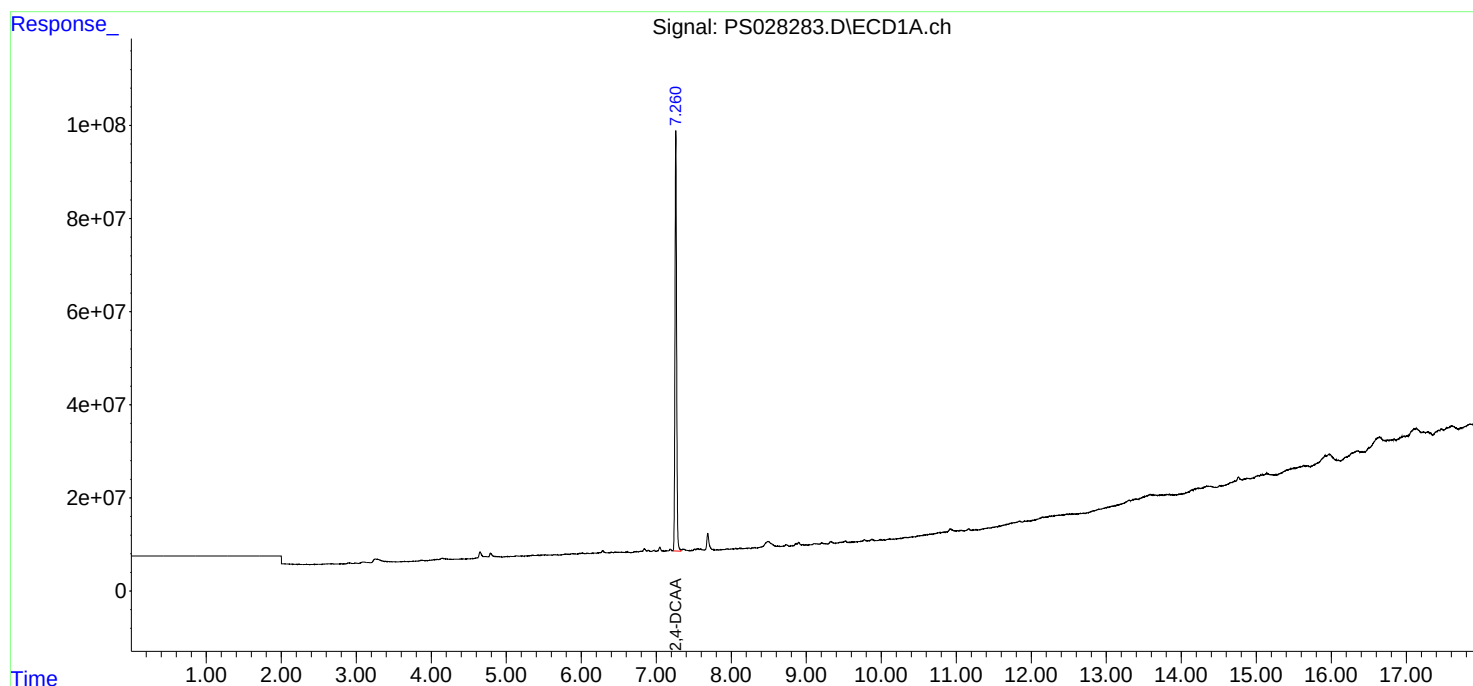
Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 00:54:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028283.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.260 min  
Delta R.T.: -0.003 min  
Response: 1355020064  
Conc: 529.01 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

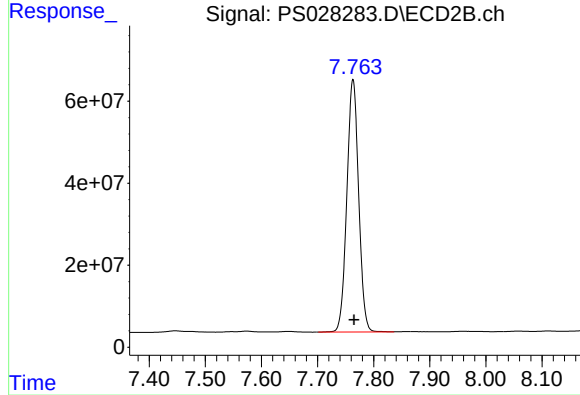
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028283.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.763 min  
Delta R.T.: -0.002 min  
Response: 899054821  
Conc: 516.17 ng/ml



## Report of Analysis

|                    |                  |                    |           |
|--------------------|------------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI  | Date Collected:    | 11/07/24  |
| Project:           | R36704           | Date Received:     | 11/07/24  |
| Client Sample ID:  | PIBLK-PS028296.D | SDG No.:           | P4601     |
| Lab Sample ID:     | I.BLK-PS028296.D | Matrix:            | WATER     |
| Analytical Method: | SW8151A          | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000             | Units:             | mL        |
| Soil Aliquot Vol:  |                  |                    | uL        |
| Extraction Type:   |                  | Test:              | Herbicide |
| GPC Factor :       | 1.0              | PH :               |           |
| Prep Method :      | SW3510C          | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028296.D        | 1         |           | 11/07/24      | PS110624      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 530   |           | 39 - 175 | 106%       | SPK: 500 |

### 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\_S\Data\PS110624\  
Data File : PS028296.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 04:16  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 09:06:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 4) S 2,4-DCAA               | 7.258 | 7.762 | 1356.6E6 | 885.4E6 | 529.635 | 508.347 |

Target Compounds

-----

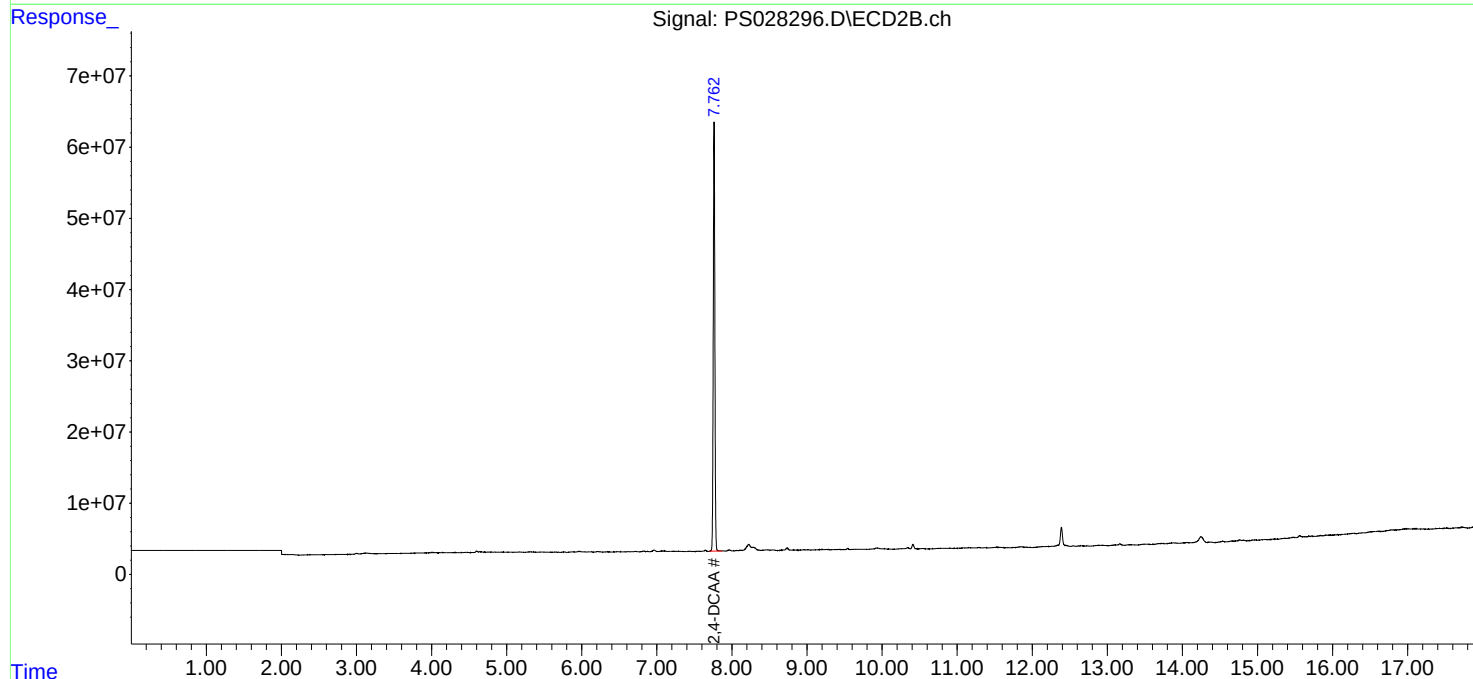
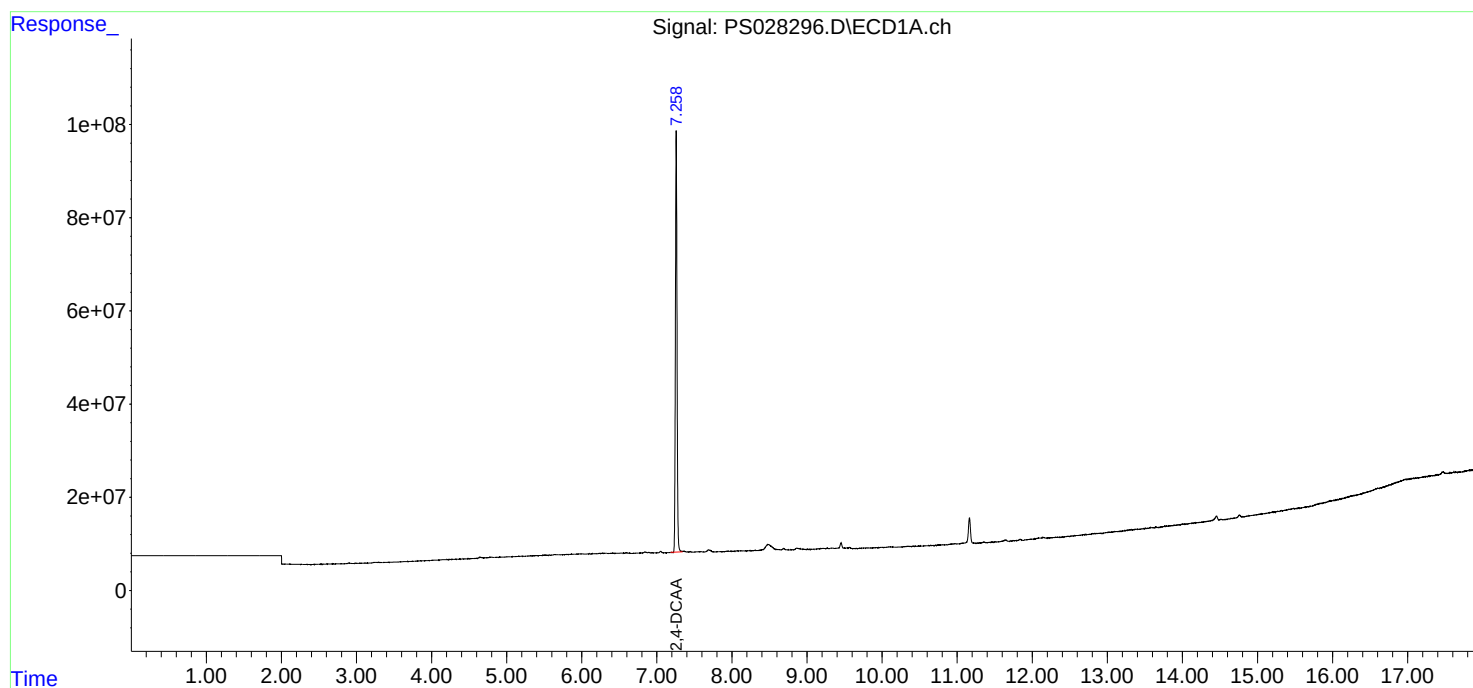
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028296.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 04:16  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

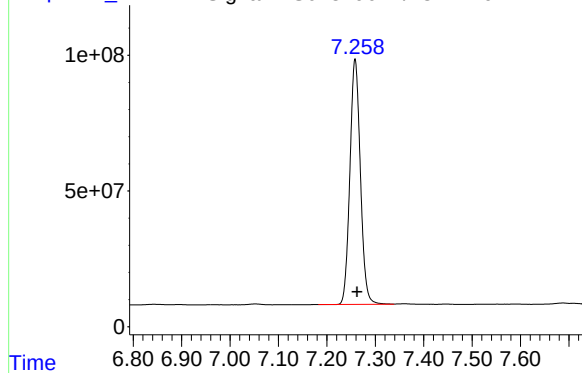
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 09:06:47 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028296.D\ECD1A.ch

#4 2,4-DCAA

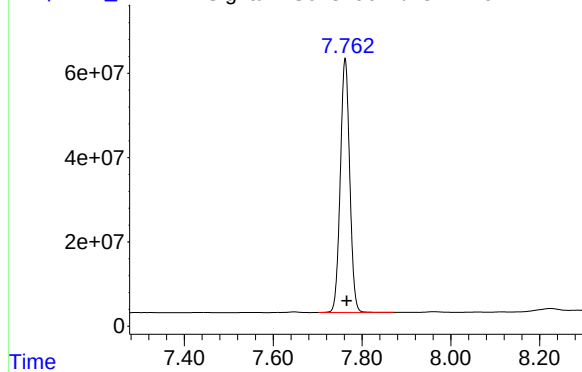


R.T.: 7.258 min  
Delta R.T.: -0.004 min  
Response: 1356615264  
Conc: 529.64 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Signal: PS028296.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.762 min  
Delta R.T.: -0.003 min  
Response: 885429243  
Conc: 508.35 ng/ml



## Report of Analysis

|                    |                  |                    |           |
|--------------------|------------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI  | Date Collected:    | 11/07/24  |
| Project:           | R36704           | Date Received:     | 11/07/24  |
| Client Sample ID:  | PIBLK-PS028308.D | SDG No.:           | P4601     |
| Lab Sample ID:     | I.BLK-PS028308.D | Matrix:            | WATER     |
| Analytical Method: | SW8151A          | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000             | Units:             | mL        |
| Soil Aliquot Vol:  |                  |                    | uL        |
| Extraction Type:   |                  | Test:              | Herbicide |
| GPC Factor :       | 1.0              | PH :               |           |
| Prep Method :      | SW3510C          | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028308.D        | 1         |           | 11/07/24      | PS110624      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 526   |           | 39 - 175 | 105%       | SPK: 500 |

### 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\_S\Data\PS110624\  
Data File : PS028308.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 09:28  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 10:27:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 4) S 2,4-DCAA               | 7.257 | 7.760 | 1346.1E6 | 851.9E6 | 525.516 | 489.123 |

Target Compounds

-----

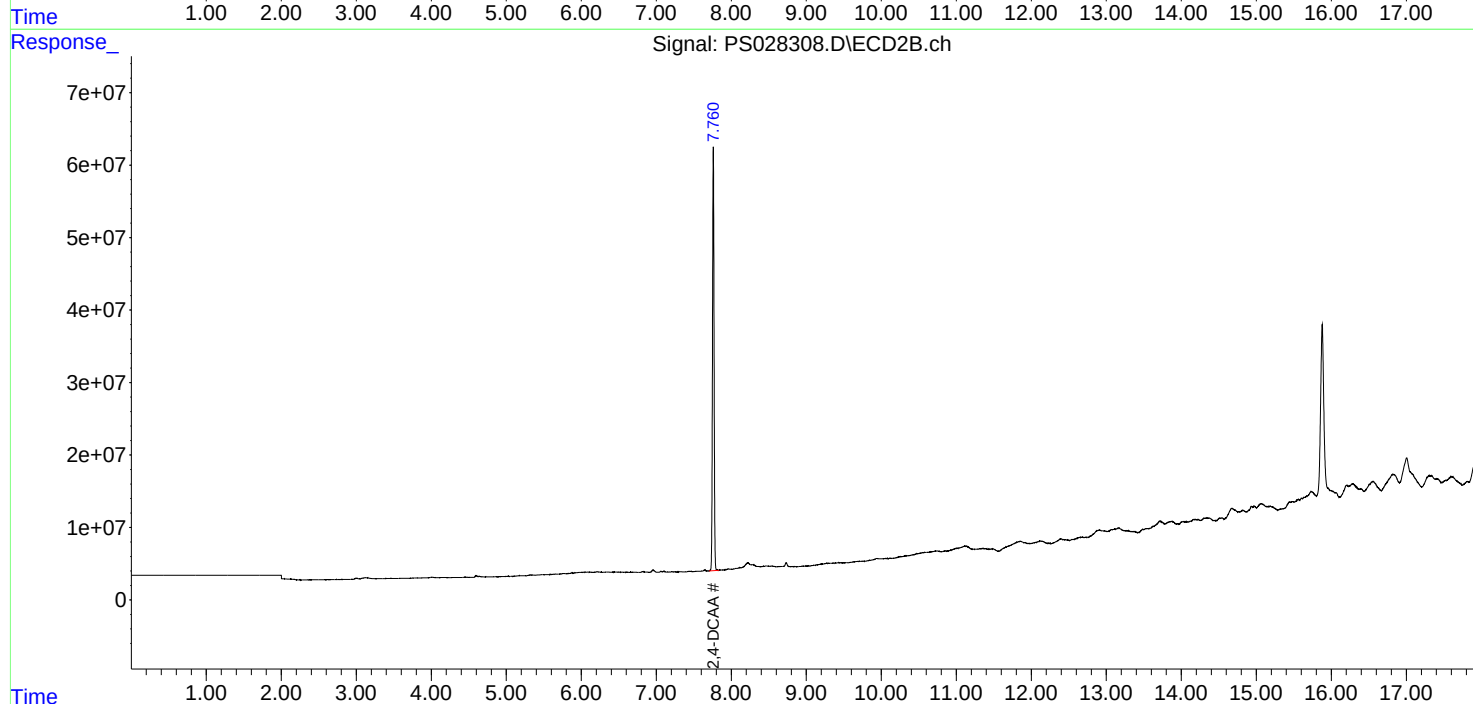
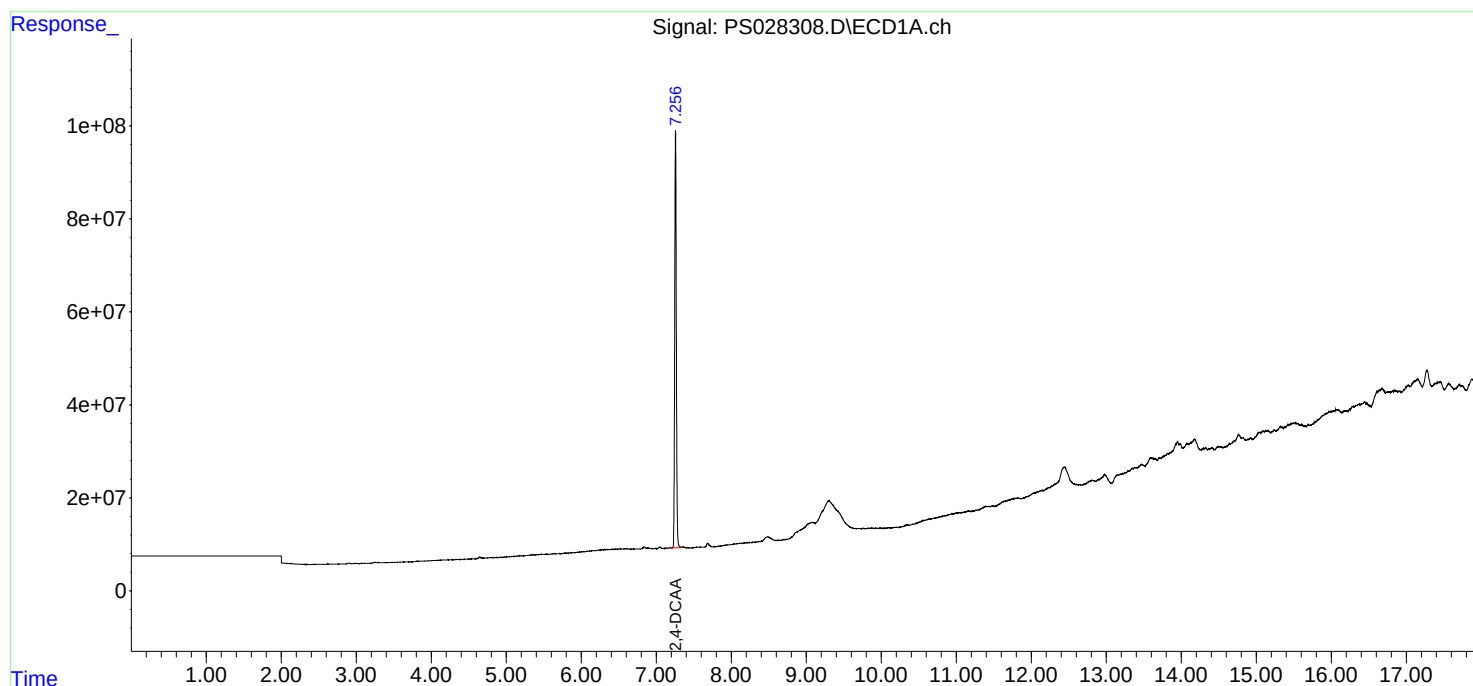
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028308.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 09:28  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

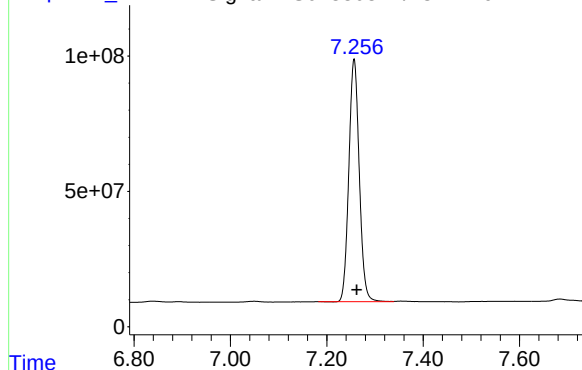
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 10:27:24 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028308.D\ECD1A.ch

#4 2,4-DCAA

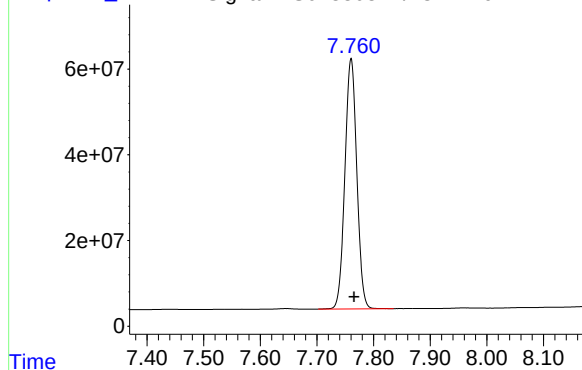


R.T.: 7.257 min  
Delta R.T.: -0.006 min  
Response: 1346064203  
Conc: 525.52 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Signal: PS028308.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.760 min  
Delta R.T.: -0.005 min  
Response: 851944014  
Conc: 489.12 ng/ml

## Report of Analysis

|                    |                  |           |                    |           |           |
|--------------------|------------------|-----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI  |           | Date Collected:    | 11/08/24  |           |
| Project:           | R36704           |           | Date Received:     | 11/08/24  |           |
| Client Sample ID:  | PIBLK-PS028355.D |           | SDG No.:           | P4601     |           |
| Lab Sample ID:     | I.BLK-PS028355.D |           | Matrix:            | WATER     |           |
| Analytical Method: | SW8151A          |           | % Solid:           | 0         | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | Herbicide |           |
| Extraction Type:   |                  |           | Injection Volume : |           |           |
| GPC Factor :       | 1.0              | PH :      |                    |           |           |
| Prep Method :      | SW3510C          |           |                    |           |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028355.D        | 1         |           | 11/08/24      | PS110924      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 503   |           | 39 - 175 | 101%       | SPK: 500 |

### 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\_S\Data\PS110924\  
 Data File : PS028355.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2024 14:25  
 Operator : AR\AJ  
 Sample : I.BLK  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 08 17:51:55 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

#### System Monitoring Compounds

|      |          |       |       |          |         |         |         |
|------|----------|-------|-------|----------|---------|---------|---------|
| 4) S | 2,4-DCAA | 7.250 | 7.756 | 1382.7E6 | 801.6E6 | 500.845 | 503.062 |
|------|----------|-------|-------|----------|---------|---------|---------|

#### Target Compounds

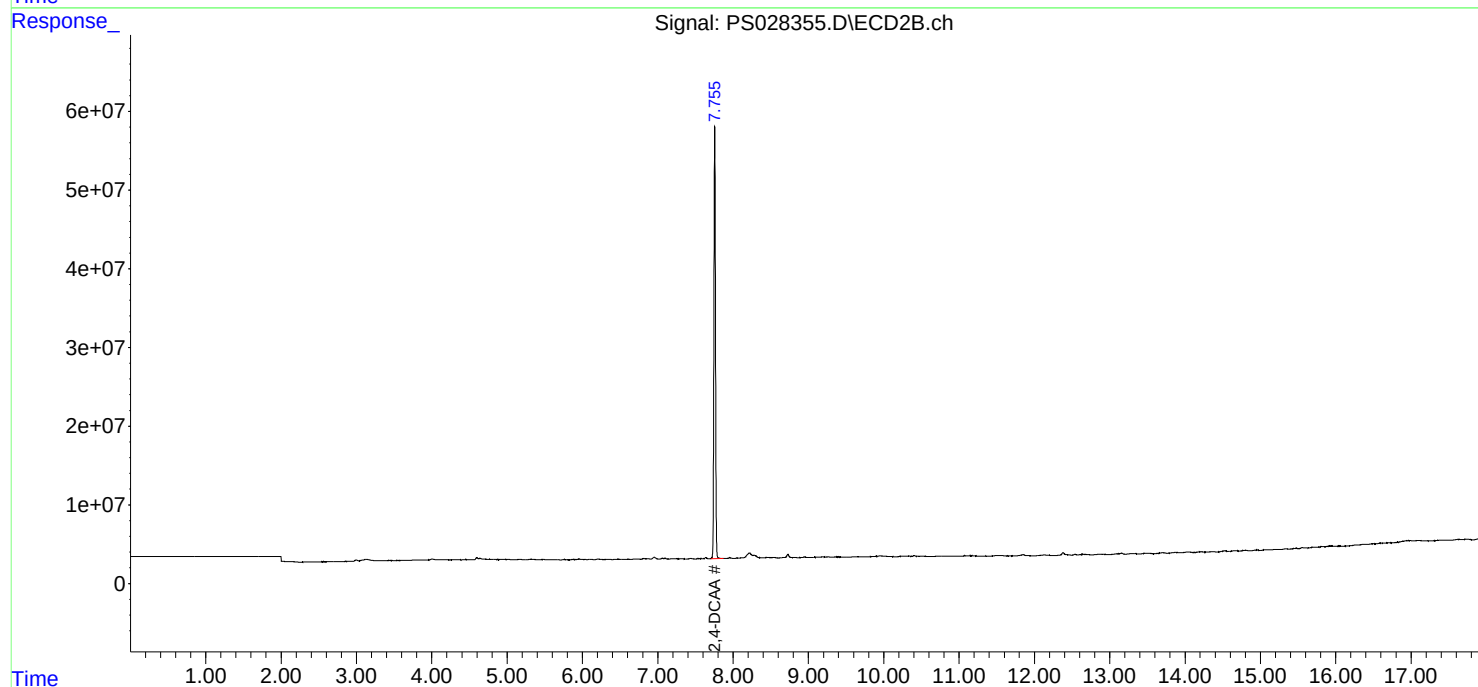
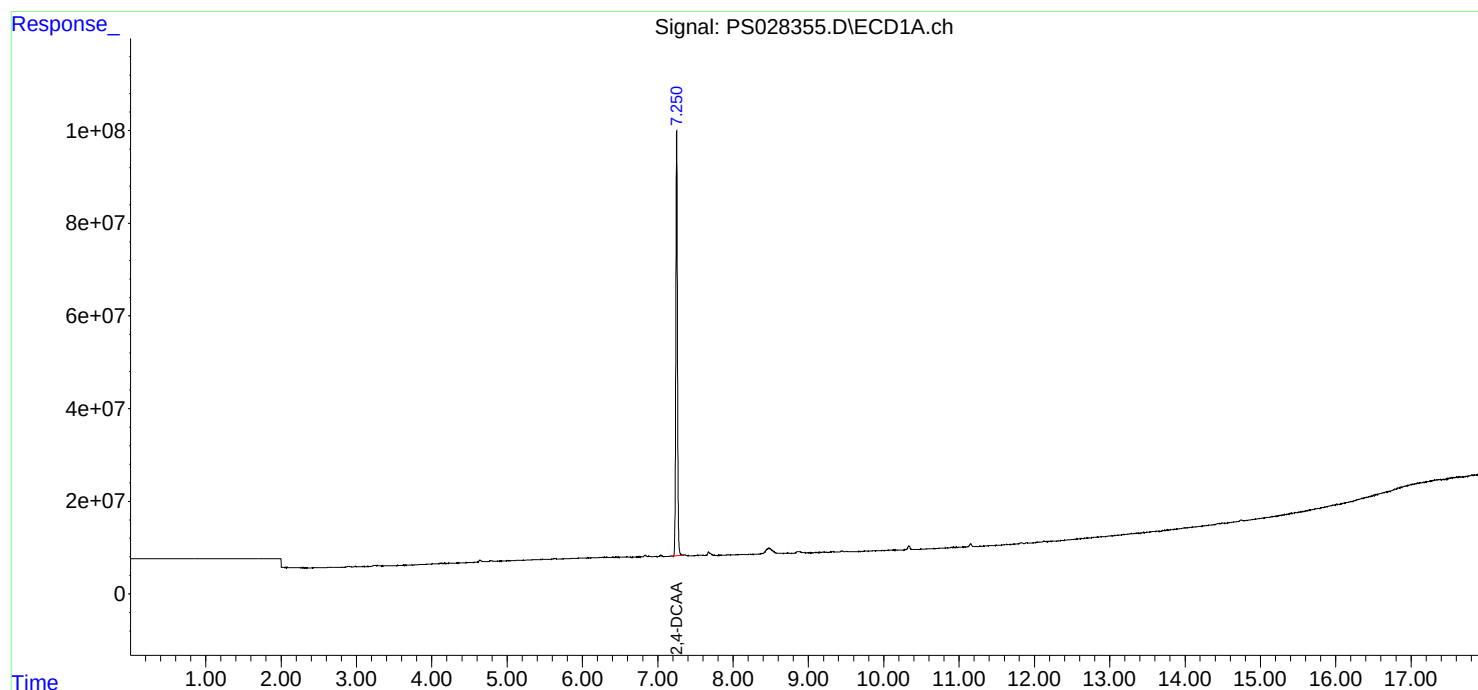
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

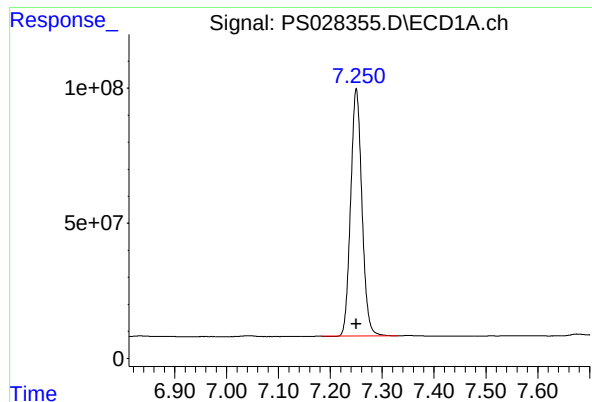
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110924\  
Data File : PS028355.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Nov 2024 14:25  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 08 17:51:55 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

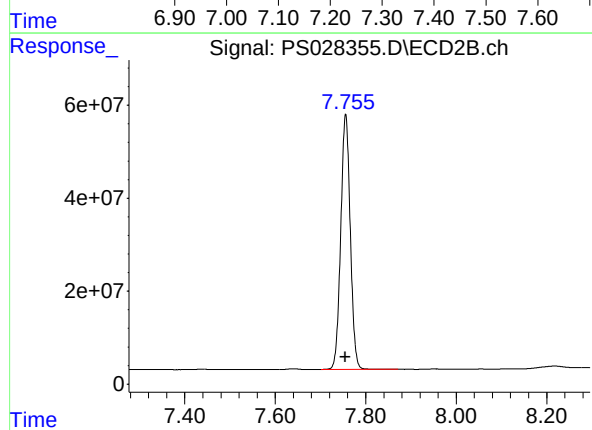




#4 2,4-DCAA

R.T.: 7.250 min  
Delta R.T.: 0.000 min  
Response: 1382710493  
Conc: 500.85 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK



#4 2,4-DCAA

R.T.: 7.756 min  
Delta R.T.: 0.000 min  
Response: 801589716  
Conc: 503.06 ng/ml



## Report of Analysis

|                    |                  |                    |           |
|--------------------|------------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI  | Date Collected:    | 11/11/24  |
| Project:           | R36704           | Date Received:     | 11/11/24  |
| Client Sample ID:  | PIBLK-PS028393.D | SDG No.:           | P4601     |
| Lab Sample ID:     | I.BLK-PS028393.D | Matrix:            | WATER     |
| Analytical Method: | SW8151A          | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000             | Units:             | mL        |
| Soil Aliquot Vol:  |                  |                    | uL        |
| Extraction Type:   |                  | Test:              | Herbicide |
| GPC Factor :       | 1.0              | PH :               |           |
| Prep Method :      | SW3510C          | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028393.D        | 1         |           | 11/11/24      | ps111124      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 511   |           | 39 - 175 | 102%       | SPK: 500 |

### 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\_S\Data\PS111124\  
Data File : PS028393.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 10:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:08:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 4) S 2,4-DCAA               | 7.247 | 7.752 | 1410.8E6 | 752.2E6 | 511.038 | 472.080 |

Target Compounds  
-----

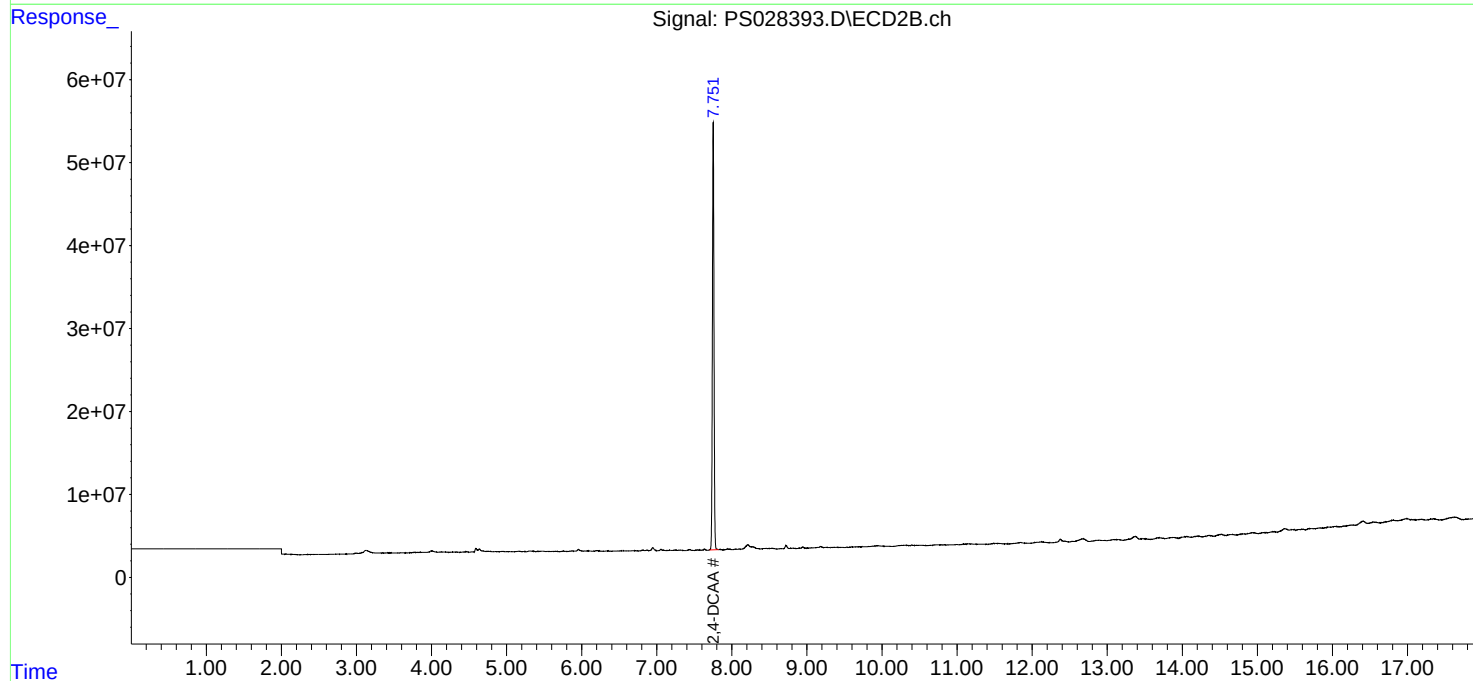
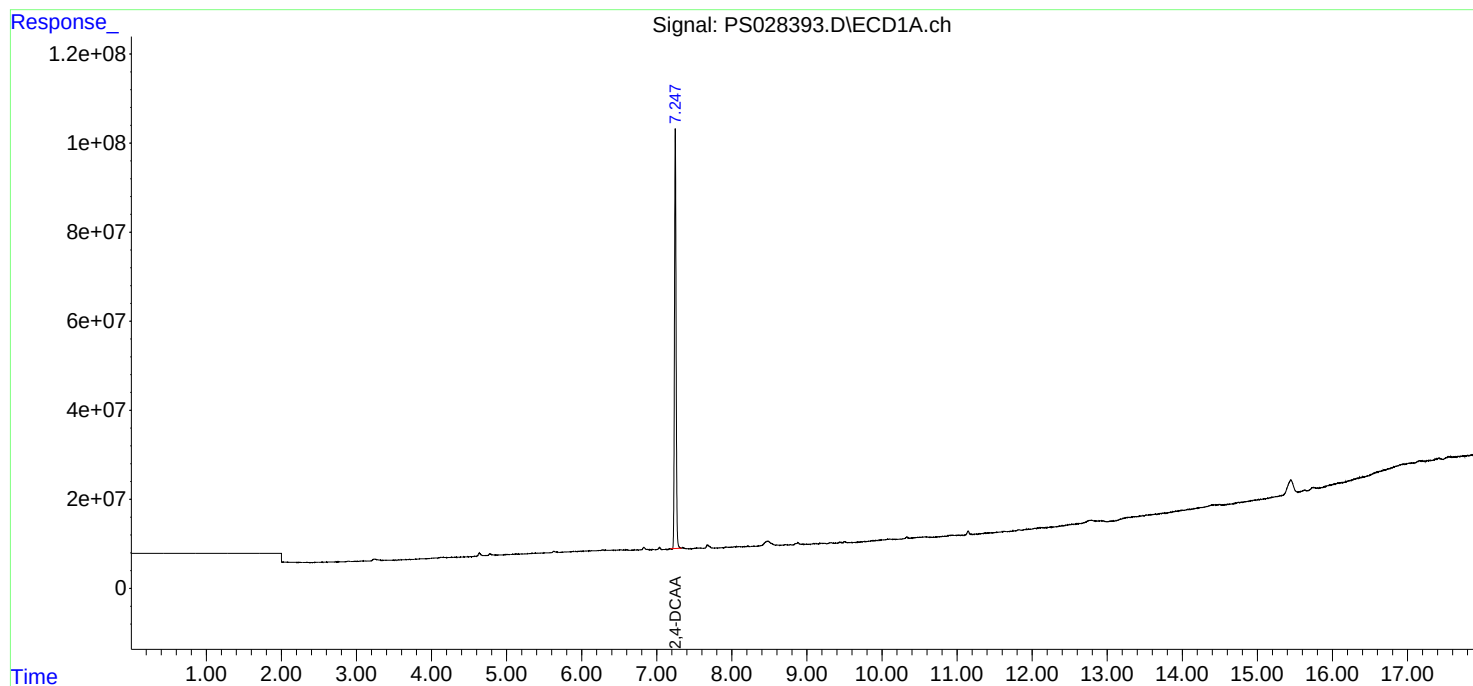
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028393.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 10:24  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

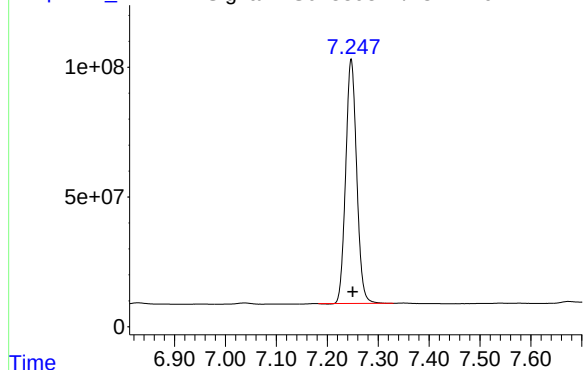
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:08:28 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028393.D\ECD1A.ch

#4 2,4-DCAA

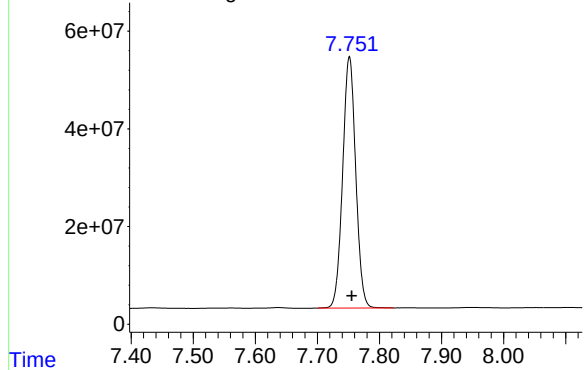


R.T.: 7.247 min  
Delta R.T.: -0.003 min  
Response: 1410849503  
Conc: 511.04 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Signal: PS028393.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.752 min  
Delta R.T.: -0.004 min  
Response: 752222628  
Conc: 472.08 ng/ml

## Report of Analysis

|                    |                  |                    |           |
|--------------------|------------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI  | Date Collected:    | 11/11/24  |
| Project:           | R36704           | Date Received:     | 11/11/24  |
| Client Sample ID:  | PIBLK-PS028405.D | SDG No.:           | P4601     |
| Lab Sample ID:     | I.BLK-PS028405.D | Matrix:            | WATER     |
| Analytical Method: | SW8151A          | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000             | Units:             | mL        |
| Soil Aliquot Vol:  |                  |                    | uL        |
| Extraction Type:   |                  | Test:              | Herbicide |
| GPC Factor :       | 1.0              | PH :               |           |
| Prep Method :      | SW3510C          | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS028405.D        | 1         |           | 11/11/24      | ps111124      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 2.00  | U         | 0.42     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 2.00  | U         | 0.43     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.49     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.45     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 2.00  | U         | 0.50     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 2.00  | U         | 0.57     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 2.00  | U         | 0.55     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 511   |           | 39 - 175 | 102%       | SPK: 500 |

### 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\_S\Data\PS111124\  
Data File : PS028405.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:09  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:19:06 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|---------|---------|---------|
| -----                       |       |       |          |         |         |         |
| System Monitoring Compounds |       |       |          |         |         |         |
| 4) S 2,4-DCAA               | 7.247 | 7.752 | 1410.9E6 | 751.7E6 | 511.039 | 471.753 |

Target Compounds

-----

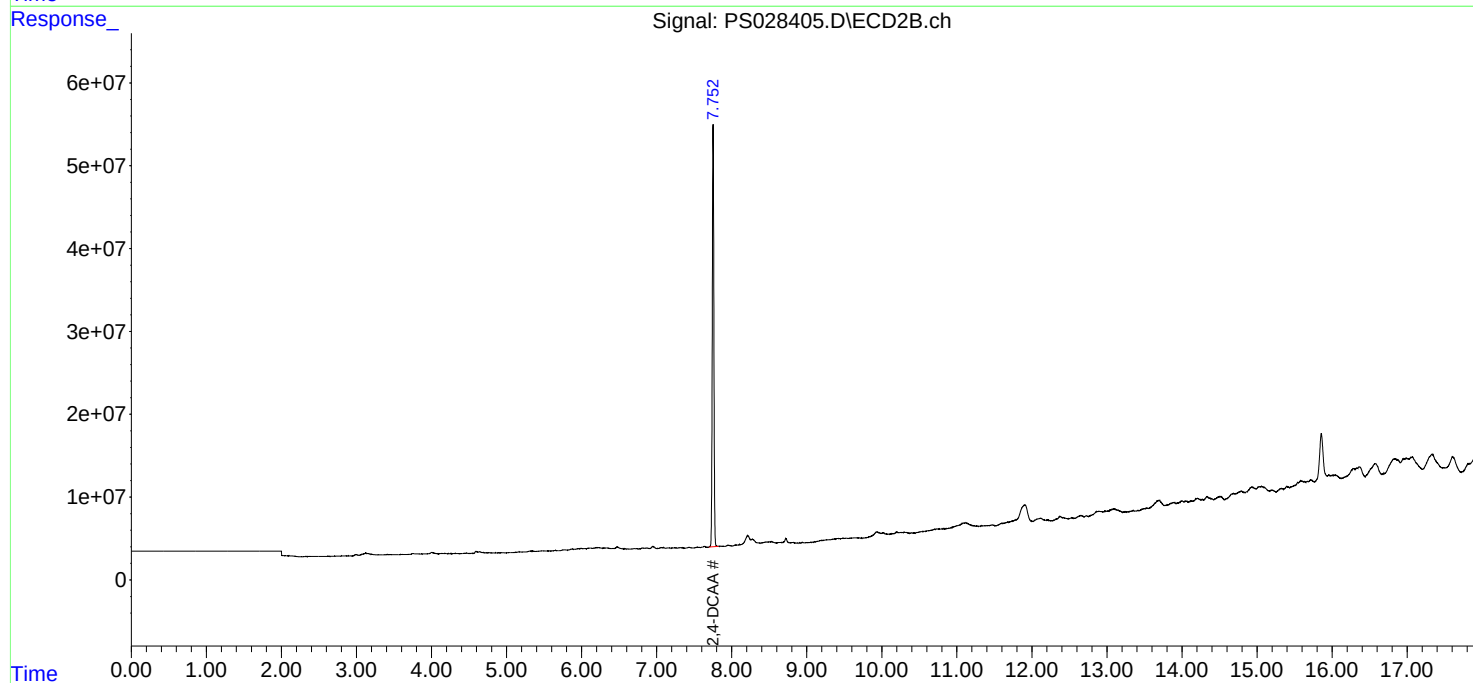
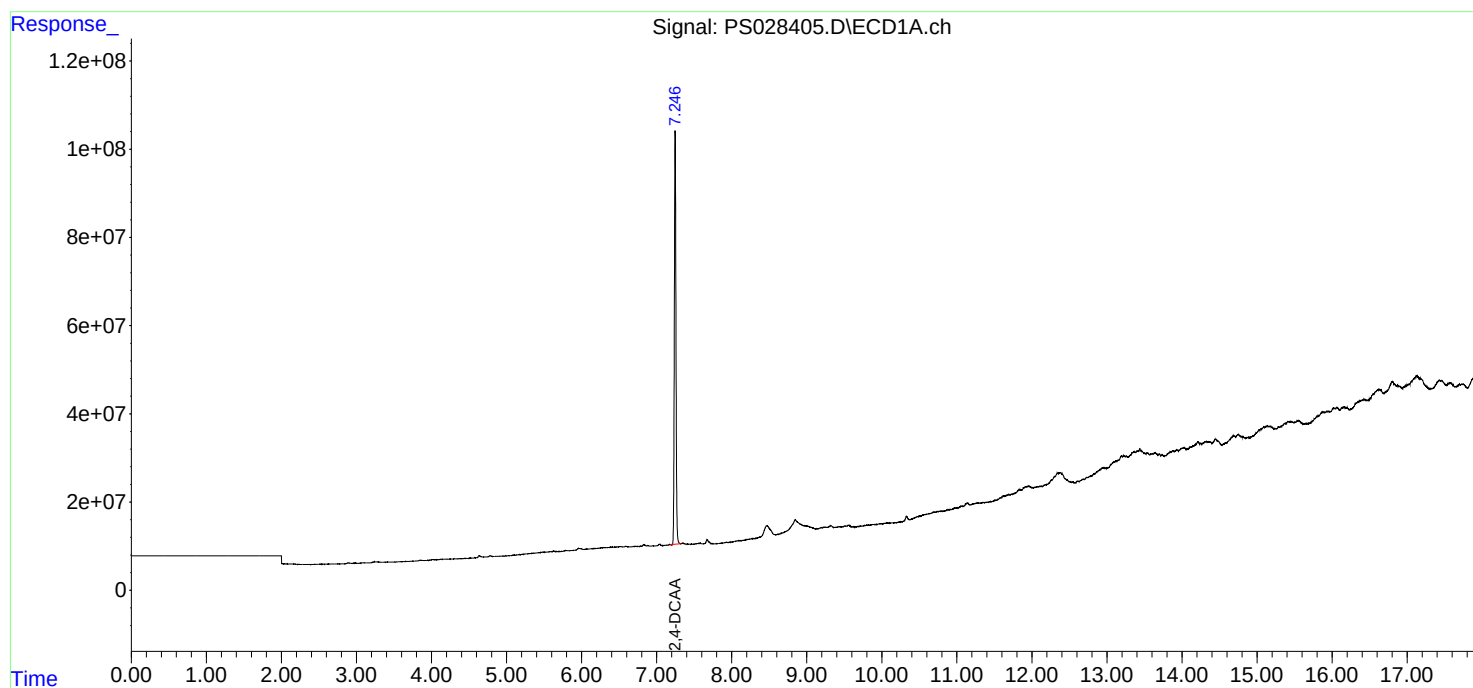
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028405.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 16:09  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

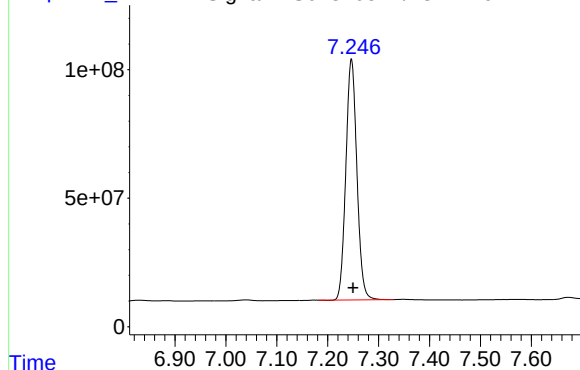
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:19:06 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Signal: PS028405.D\ECD1A.ch

#4 2,4-DCAA

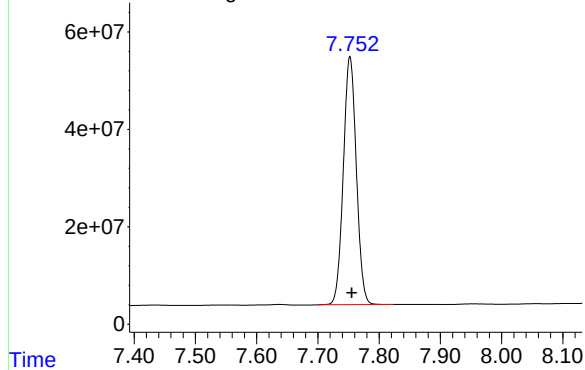


R.T.: 7.247 min  
Delta R.T.: -0.003 min  
Response: 1410854111  
Conc: 511.04 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Signal: PS028405.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.752 min  
Delta R.T.: -0.003 min  
Response: 751701019  
Conc: 471.75 ng/ml



## Report of Analysis

|                    |                 |          |                    |           |           |
|--------------------|-----------------|----------|--------------------|-----------|-----------|
| Client:            | Tetra Tech, EMI |          | Date Collected:    |           |           |
| Project:           | R36704          |          | Date Received:     |           |           |
| Client Sample ID:  | PB164559BS      |          | SDG No.:           | P4601     |           |
| Lab Sample ID:     | PB164559BS      |          | Matrix:            | SOIL      |           |
| Analytical Method: | SW8151A         |          | % Solid:           | 100       | Decanted: |
| Sample Wt/Vol:     | 30.03           | Units: g | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | Herbicide |           |
| Extraction Type:   |                 |          | Injection Volume : |           |           |
| GPC Factor :       | 1.0             | PH :     |                    |           |           |
| Prep Method :      | 8151A           |          |                    |           |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028295.D        | 1         | 10/31/24 10:00 | 11/07/24 03:52 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 170   |           | 8.70     | 66.9       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 173   |           | 9.50     | 66.9       | ug/Kg             |
| 94-75-7           | 2,4-D             | 174   |           | 12.1     | 66.9       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 178   |           | 9.40     | 66.9       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 177   |           | 10.1     | 66.9       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 173   |           | 18.3     | 66.9       | ug/Kg             |
| 88-85-7           | DINOSEB           | 172   |           | 12.4     | 66.9       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 552   |           | 10 - 141 | 110%       | SPK: 500          |

### 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\_S\Data\PS110624\  
 Data File : PS028295.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Nov 2024 03:52  
 Operator : AR\AJ  
 Sample : PB164559BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB164559BS

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 11/08/2024

Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 07 04:57:59 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
 Quant Title : 8080.M  
 QLast Update : Wed Nov 06 11:48:19 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

| Compound                    | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml    | ng/ml   |
|-----------------------------|--------|--------|-----------|-----------|----------|---------|
| System Monitoring Compounds |        |        |           |           |          |         |
| 4) S 2,4-DCAA               | 7.258  | 7.762  | 1413.1E6  | 900.6E6   | 551.685  | 517.069 |
| Target Compounds            |        |        |           |           |          |         |
| 1) T Dalapon                | 2.652  | 2.708  | 1526.3E6  | 1297.6E6  | 428.829  | 440.985 |
| 2) T 3,5-DICHL...           | 6.427  | 6.713  | 1882.6E6  | 1232.8E6  | 502.188  | 487.106 |
| 3) T 4-Nitroph...           | 7.058  | 7.288  | 797.6E6   | 511.8E6   | 484.137  | 446.594 |
| 5) T DICAMBA                | 7.448  | 7.964  | 5732.8E6  | 3917.6E6  | 510.557  | 487.717 |
| 6) T MCPP                   | 7.630  | 8.064  | 378.2E6   | 302.3E6   | 49.878   | 49.799  |
| 7) T MCPA                   | 7.780  | 8.310  | 515.7E6   | 405.3E6   | 49.533   | 48.607  |
| 8) T DICHLORPROP            | 8.158  | 8.680  | 1466.0E6  | 967.6E6   | 520.004  | 481.572 |
| 9) T 2,4-D                  | 8.389  | 9.012  | 1647.7E6  | 1059.7E6  | 522.065m | 475.184 |
| 10) T Pentachlo...          | 8.690  | 9.543  | 22966.4E6 | 14356.7E6 | 552.572  | 492.265 |
| 11) T 2,4,5-TP ...          | 9.272  | 9.919  | 9075.9E6  | 6059.4E6  | 533.070  | 486.987 |
| 12) T 2,4,5-T               | 9.564  | 10.341 | 9209.5E6  | 5850.4E6  | 531.252  | 476.930 |
| 13) T 2,4-DB                | 10.142 | 10.908 | 1465.4E6  | 725.9E6   | 518.431  | 458.023 |
| 14) T DINOSEB               | 11.359 | 11.288 | 7455.2E6  | 3944.2E6  | 515.609  | 452.235 |
| 15) T Picloram              | 11.164 | 12.388 | 14724.9E6 | 8011.5E6  | 507.774  | 444.289 |
| 16) T DCPA                  | 11.651 | 12.335 | 12859.1E6 | 6574.3E6  | 541.226  | 469.243 |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS110624\  
Data File : PS028295.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Nov 2024 03:52  
Operator : AR\AJ  
Sample : PB164559BS  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB164559BS

## Manual Integrations

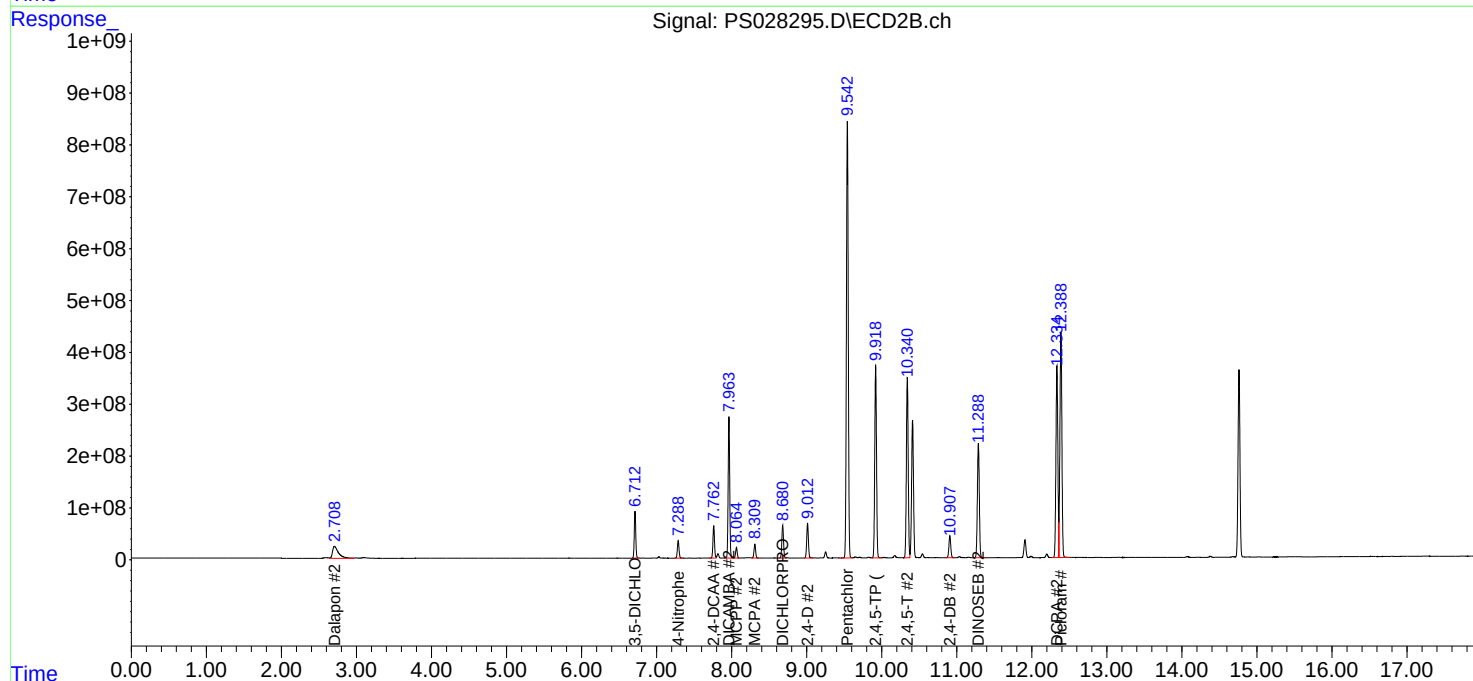
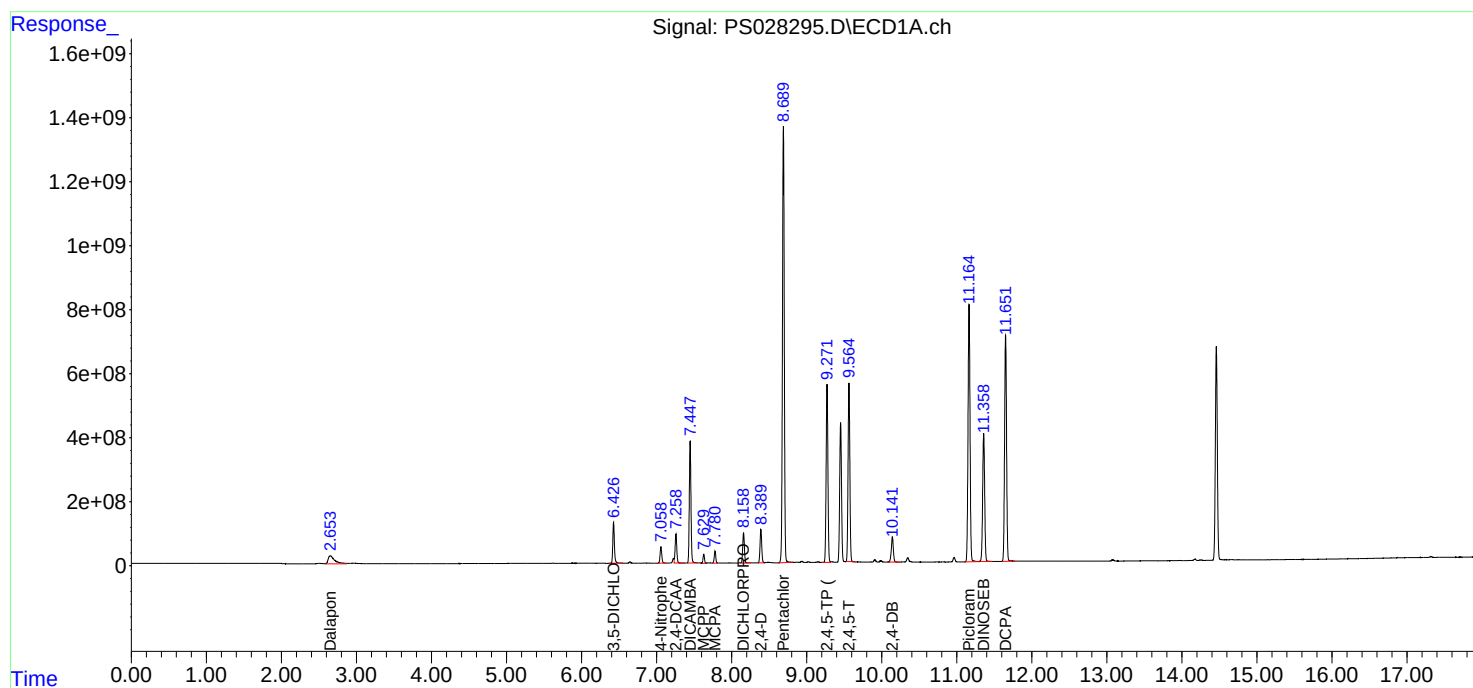
APPROVED

Reviewed By :Abdul Mirza 11/08/2024

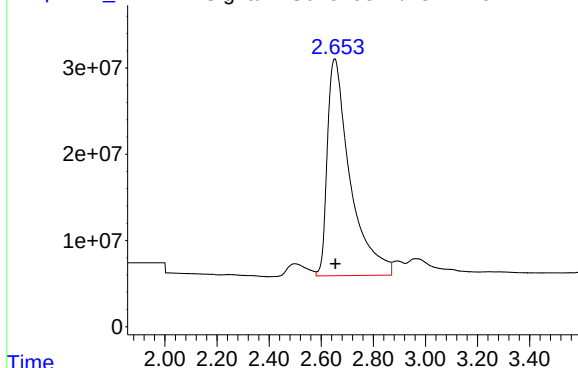
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 07 04:57:59 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110624.M  
Quant Title : 8080.M  
QLast Update : Wed Nov 06 11:48:19 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response\_ Signal: PS028295.D\ECD1A.ch



#1 Dalapon

R.T.: 2.652 min  
Delta R.T.: -0.002 min  
Response: 1526286035  
Conc: 428.83 ng/ml

Instrument :

ECD\_S

ClientSampleId :

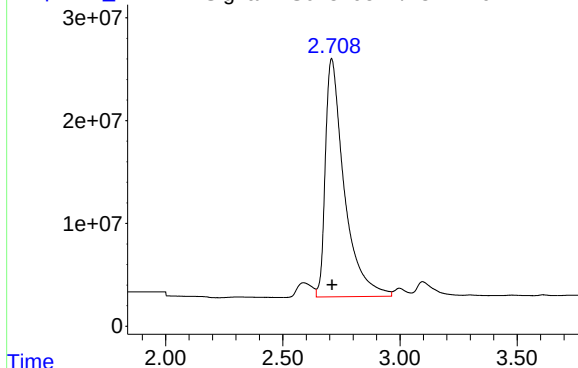
PB164559BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

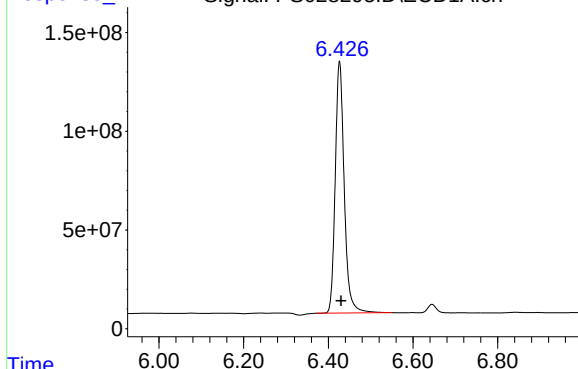
Time Response\_ Signal: PS028295.D\ECD2B.ch



#1 Dalapon

R.T.: 2.708 min  
Delta R.T.: -0.002 min  
Response: 1297596072  
Conc: 440.99 ng/ml

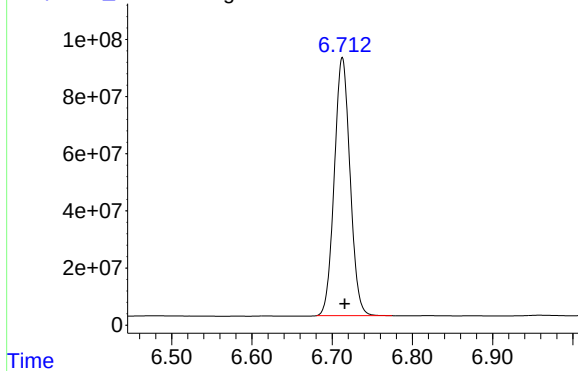
Response\_ Signal: PS028295.D\ECD1A.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.427 min  
Delta R.T.: -0.004 min  
Response: 1882590989  
Conc: 502.19 ng/ml

Time Response\_ Signal: PS028295.D\ECD2B.ch



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min  
Delta R.T.: -0.003 min  
Response: 1232819831  
Conc: 487.11 ng/ml

Response\_

Signal: PS028295.D\ECD1A.ch

#3 4-Nitrophenol

R.T.: 7.058 min

Delta R.T.: -0.004 min

Response: 797648791

Conc: 484.14 ng/ml

Instrument :

ECD\_S

ClientSampleId :

PB164559BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time

Response\_

Signal: PS028295.D\ECD2B.ch

#3 4-Nitrophenol

R.T.: 7.288 min

Delta R.T.: -0.003 min

Response: 511772692

Conc: 446.59 ng/ml

Time

Response\_

Signal: PS028295.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.258 min

Delta R.T.: -0.004 min

Response: 1413094034

Conc: 551.69 ng/ml

Time

Response\_

Signal: PS028295.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.762 min

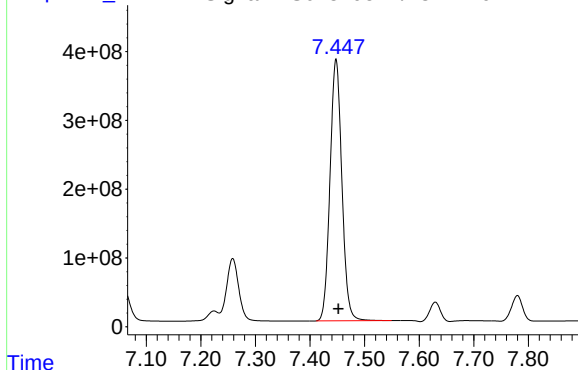
Delta R.T.: -0.003 min

Response: 900620101

Conc: 517.07 ng/ml

Time

Response\_ Signal: PS028295.D\ECD1A.ch



#5 DICAMBA

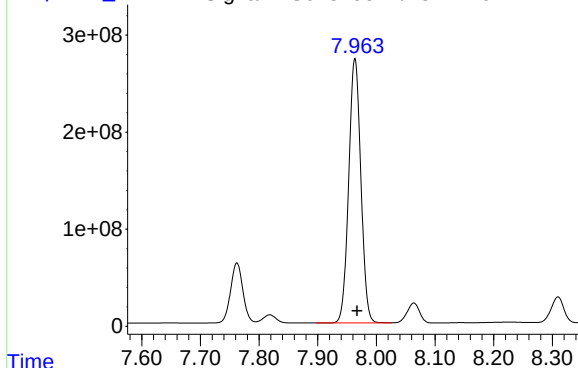
R.T.: 7.448 min  
Delta R.T.: -0.005 min  
Response: 5732810021  
Conc: 510.56 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

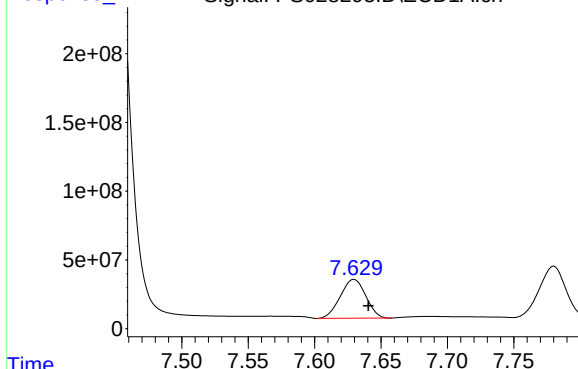
Response\_ Signal: PS028295.D\ECD2B.ch



#5 DICAMBA

R.T.: 7.964 min  
Delta R.T.: -0.004 min  
Response: 3917619361  
Conc: 487.72 ng/ml

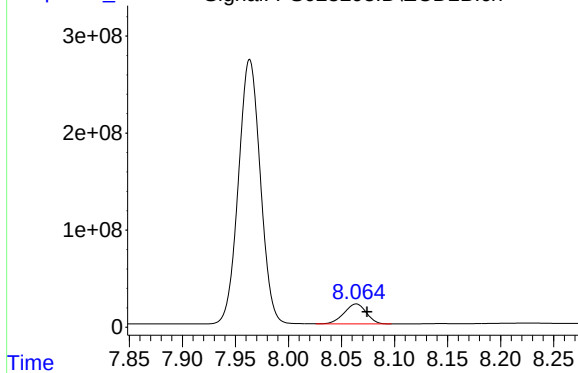
Response\_ Signal: PS028295.D\ECD1A.ch



#6 MCP

R.T.: 7.630 min  
Delta R.T.: -0.011 min  
Response: 378197665  
Conc: 49.88 ug/ml

Response\_ Signal: PS028295.D\ECD2B.ch

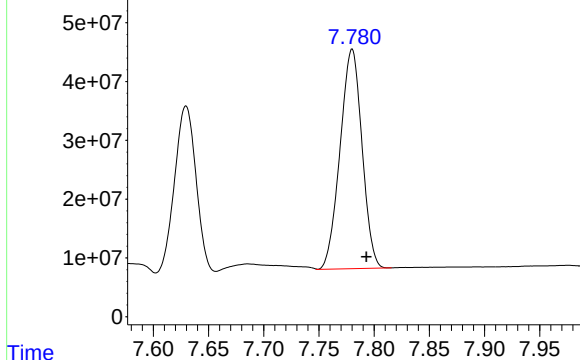


#6 MCP

R.T.: 8.064 min  
Delta R.T.: -0.010 min  
Response: 302340920  
Conc: 49.80 ug/ml

Response\_ Signal: PS028295.D\ECD1A.ch

#7 MCPA



R.T.: 7.780 min  
Delta R.T.: -0.013 min  
Response: 515689910  
Conc: 49.53 ug/ml

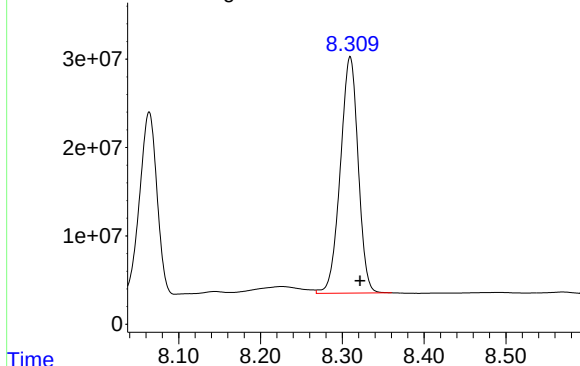
Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

Time Response\_ Signal: PS028295.D\ECD2B.ch

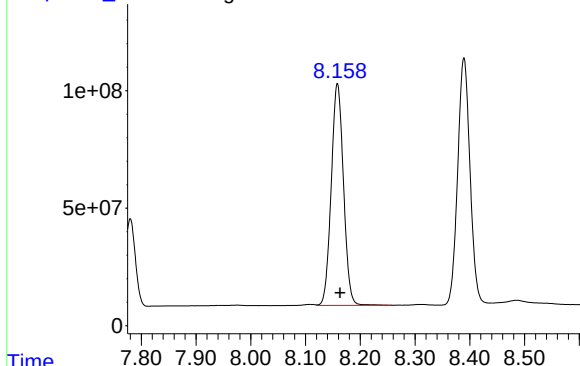
#7 MCPA



R.T.: 8.310 min  
Delta R.T.: -0.012 min  
Response: 405314601  
Conc: 48.61 ug/ml

Time Response\_ Signal: PS028295.D\ECD1A.ch

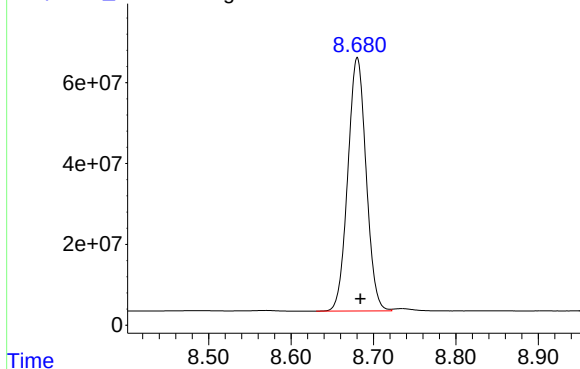
#8 DICHLORPROP



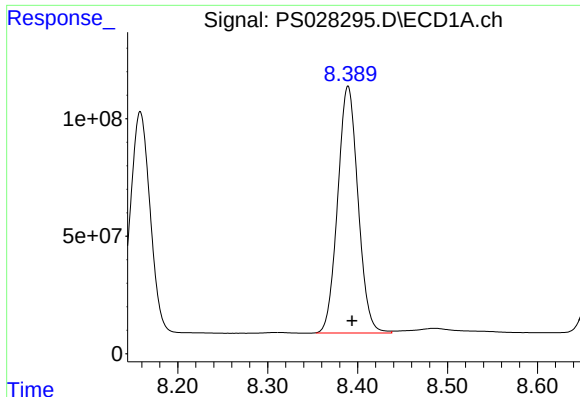
R.T.: 8.158 min  
Delta R.T.: -0.005 min  
Response: 1466036575  
Conc: 520.00 ng/ml

Time Response\_ Signal: PS028295.D\ECD2B.ch

#8 DICHLORPROP



R.T.: 8.680 min  
Delta R.T.: -0.004 min  
Response: 967595327  
Conc: 481.57 ng/ml



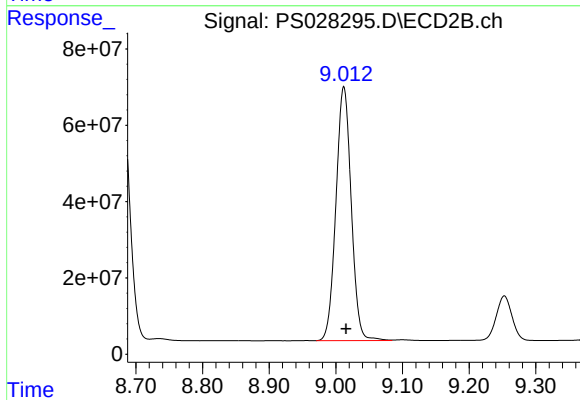
#9 2,4-D

R.T.: 8.389 min  
Delta R.T.: -0.005 min  
Response: 1647694054  
Conc: 522.07 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

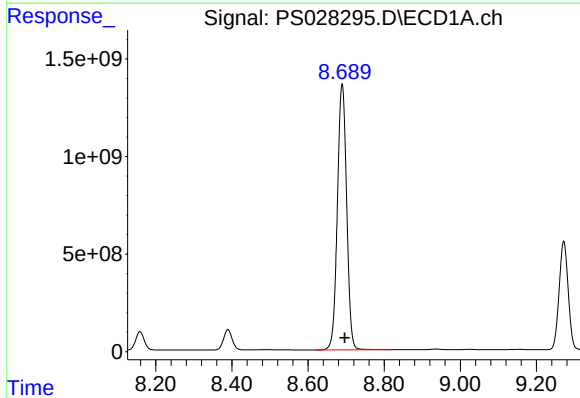
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



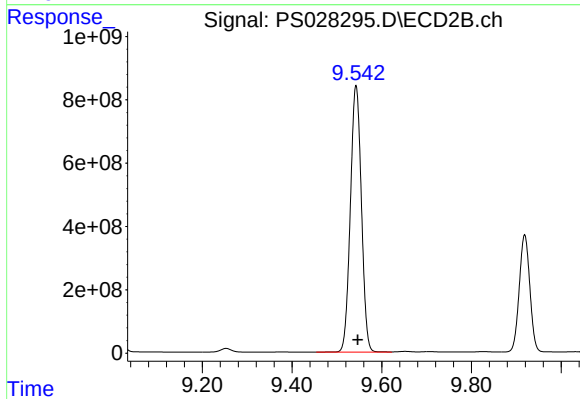
#9 2,4-D

R.T.: 9.012 min  
Delta R.T.: -0.003 min  
Response: 1059726953  
Conc: 475.18 ng/ml



#10 Pentachlorophenol

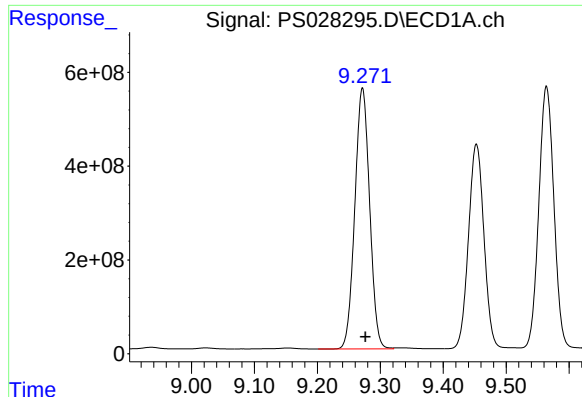
R.T.: 8.690 min  
Delta R.T.: -0.007 min  
Response: 22966396143  
Conc: 552.57 ng/ml



#10 Pentachlorophenol

R.T.: 9.543 min  
Delta R.T.: -0.004 min  
Response: 14356743270  
Conc: 492.26 ng/ml





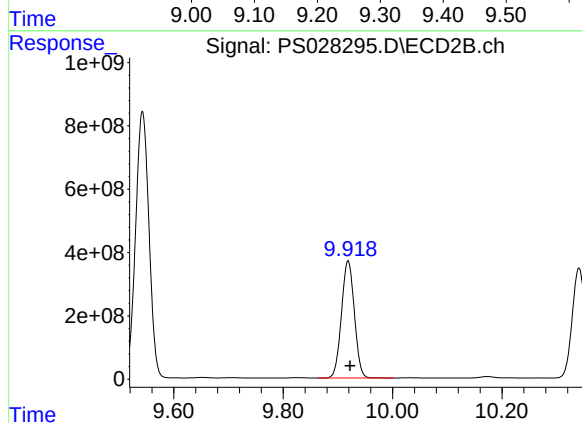
#11 2,4,5-TP (SILVEX)

R.T.: 9.272 min  
Delta R.T.: -0.005 min  
Response: 9075861422  
Conc: 533.07 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

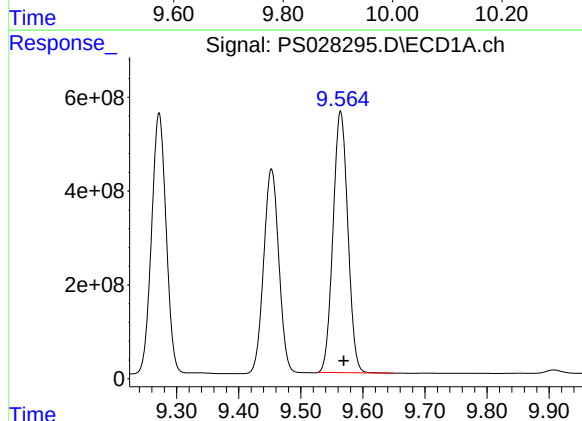
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



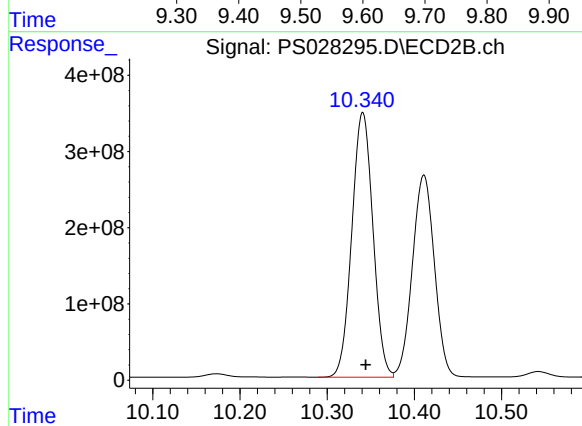
#11 2,4,5-TP (SILVEX)

R.T.: 9.919 min  
Delta R.T.: -0.003 min  
Response: 6059433744  
Conc: 486.99 ng/ml



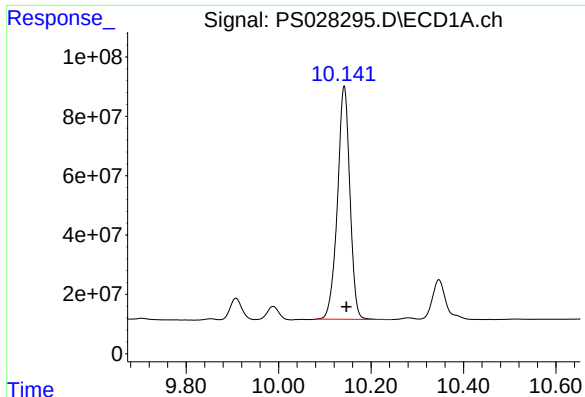
#12 2,4,5-T

R.T.: 9.564 min  
Delta R.T.: -0.005 min  
Response: 9209526109  
Conc: 531.25 ng/ml



#12 2,4,5-T

R.T.: 10.341 min  
Delta R.T.: -0.003 min  
Response: 5850391719  
Conc: 476.93 ng/ml



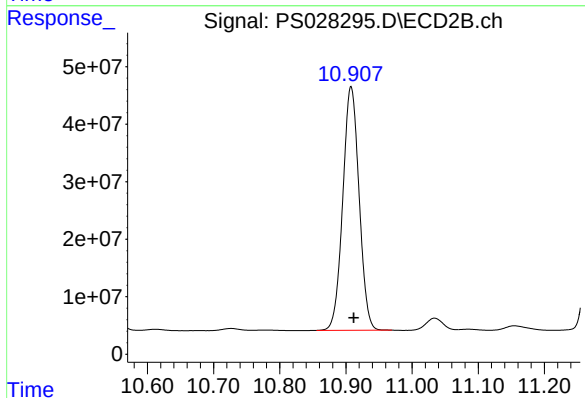
#13 2,4-DB

R.T.: 10.142 min  
Delta R.T.: -0.005 min  
Response: 1465362760  
Conc: 518.43 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

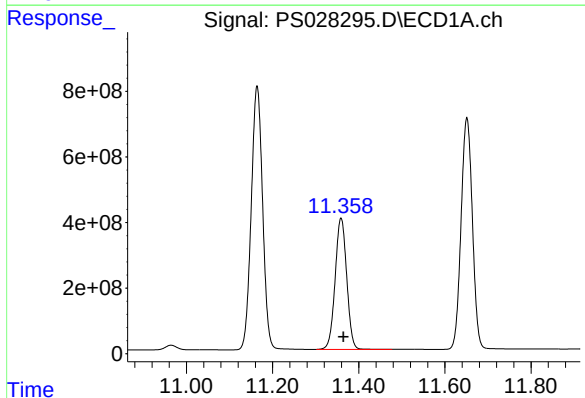
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024



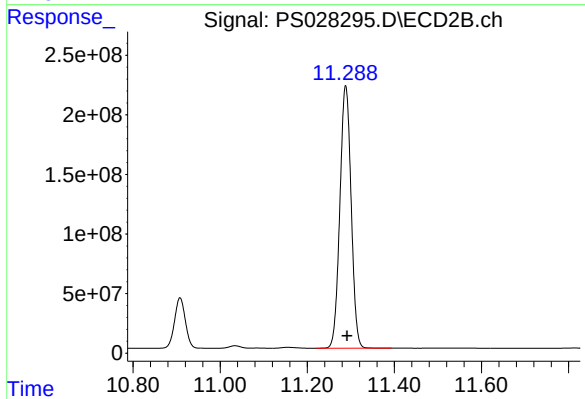
#13 2,4-DB

R.T.: 10.908 min  
Delta R.T.: -0.004 min  
Response: 725919715  
Conc: 458.02 ng/ml



#14 DINOSEB

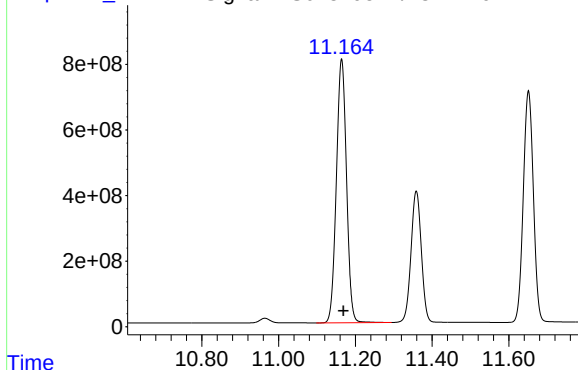
R.T.: 11.359 min  
Delta R.T.: -0.005 min  
Response: 7455181346  
Conc: 515.61 ng/ml



#14 DINOSEB

R.T.: 11.288 min  
Delta R.T.: -0.003 min  
Response: 3944234338  
Conc: 452.23 ng/ml

Response\_ Signal: PS028295.D\ECD1A.ch



#15 Picloram

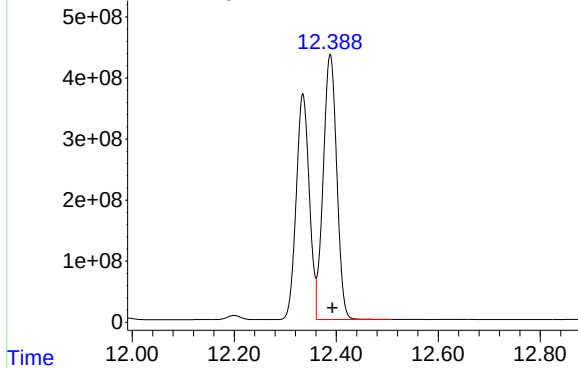
R.T.: 11.164 min  
Delta R.T.: -0.005 min  
Response: 14724882588  
Conc: 507.77 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB164559BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/08/2024  
Supervised By :Ankita Jodhani 11/08/2024

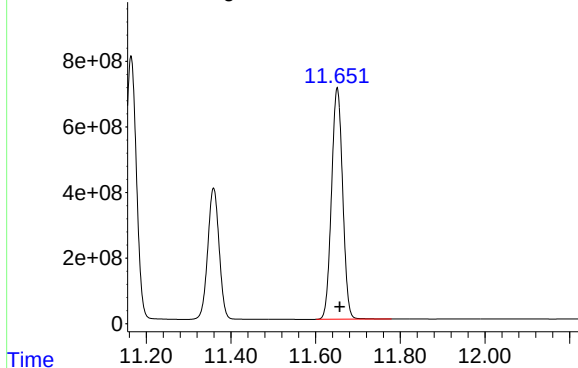
Time Response\_ Signal: PS028295.D\ECD2B.ch



#15 Picloram

R.T.: 12.388 min  
Delta R.T.: -0.004 min  
Response: 8011495637  
Conc: 444.29 ng/ml

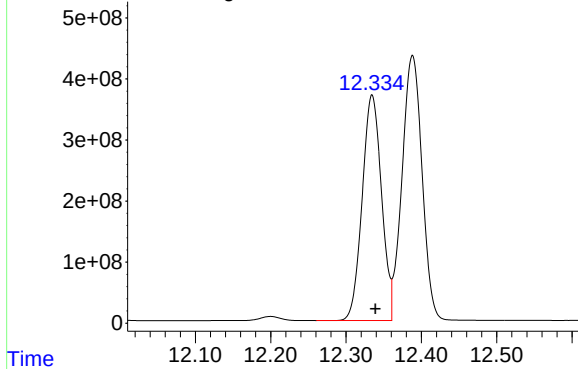
Time Response\_ Signal: PS028295.D\ECD1A.ch



#16 DCPA

R.T.: 11.651 min  
Delta R.T.: -0.006 min  
Response: 12859130187  
Conc: 541.23 ng/ml

Time Response\_ Signal: PS028295.D\ECD2B.ch



#16 DCPA

R.T.: 12.335 min  
Delta R.T.: -0.005 min  
Response: 6574328527  
Conc: 469.24 ng/ml

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R7MS         | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-37MS      | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 81.2      |
| Sample Wt/Vol:     | 30.08           | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028403.D        | 1         | 10/31/24 10:00 | 11/11/24 15:21 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 165   |           | 10.6     | 82.3       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 175   |           | 11.7     | 82.3       | ug/Kg             |
| 94-75-7           | 2,4-D             | 301   |           | 14.9     | 82.3       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 300   | P         | 11.5     | 82.3       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 182   |           | 12.4     | 82.3       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 180   |           | 22.5     | 82.3       | ug/Kg             |
| 88-85-7           | DINOSEB           | 82.3  | U         | 15.2     | 82.3       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 619   |           | 10 - 141 | 124%       | SPK: 500          |

### 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\_S\Data\PS111124\  
 Data File : PS028403.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 15:21  
 Operator : AR\AJ  
 Sample : P4601-37MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0R7MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:17:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|--------------|--------|--------|-----------|----------|---------|-----------|
| -----                       |              |        |        |           |          |         |           |
| System Monitoring Compounds |              |        |        |           |          |         |           |
| 4) S                        | 2,4-DCAA     | 7.245  | 7.755  | 1709.5E6  | 824.3E6  | 619.211 | 517.306   |
| Target Compounds            |              |        |        |           |          |         |           |
| 1) T                        | Dalapon      | 2.647  | 2.709  | 862.7E6   | 812.3E6  | 241.769 | 286.451m  |
| 2) T                        | 3,5-DICHL... | 6.417  | 6.705  | 1557.5E6  | 821.8E6  | 389.250 | 346.907   |
| 3) T                        | 4-Nitroph... | 7.046  | 7.279  | 511.1E6   | 286.6E6  | 275.647 | 270.628m  |
| 5) T                        | DICAMBA      | 7.435  | 7.954  | 4866.1E6  | 2709.6E6 | 404.133 | 377.928   |
| 6) T                        | MCPD         | 7.616  | 8.054  | 301.5E6   | 221.7E6  | 36.869  | 37.744    |
| 7) T                        | MCPA         | 7.767  | 8.300  | 559.8E6   | 411.4E6  | 49.925  | 51.379    |
| 8) T                        | DICHLORPROP  | 8.145  | 8.671  | 1327.5E6  | 696.6E6  | 428.285 | 391.054   |
| 9) T                        | 2,4-D        | 8.376  | 9.003  | 2018.3E6  | 1423.2E6 | 574.330 | 735.971 # |
| 10) T                       | Pentachlo... | 8.676  | 9.532  | 10437.0E6 | 5230.4E6 | 231.716 | 209.912   |
| 11) T                       | 2,4,5-TP ... | 9.256  | 9.914  | 7329.2E6  | 7761.4E6 | 387.195 | 732.748 # |
| 12) T                       | 2,4,5-T      | 9.548  | 10.329 | 8604.1E6  | 4417.3E6 | 443.946 | 425.717   |
| 13) T                       | 2,4-DB       | 10.125 | 10.896 | 1327.1E6  | 582.7E6  | 429.366 | 439.658   |
| 14) T                       | DINOSEB      | 11.339 | 11.278 | 555.5E6   | 181.0E6  | 34.264m | 25.216m#  |
| 15) T                       | Picloram     | 11.145 | 12.375 | 11660.7E6 | 4769.7E6 | 371.289 | 331.403   |
| 16) T                       | DCPA         | 11.631 | 12.323 | 11848.7E6 | 5602.0E6 | 443.331 | 499.728   |
| -----                       |              |        |        |           |          |         |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028403.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 15:21  
Operator : AR\AJ  
Sample : P4601-37MS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

CC0R7MS

## Manual Integrations

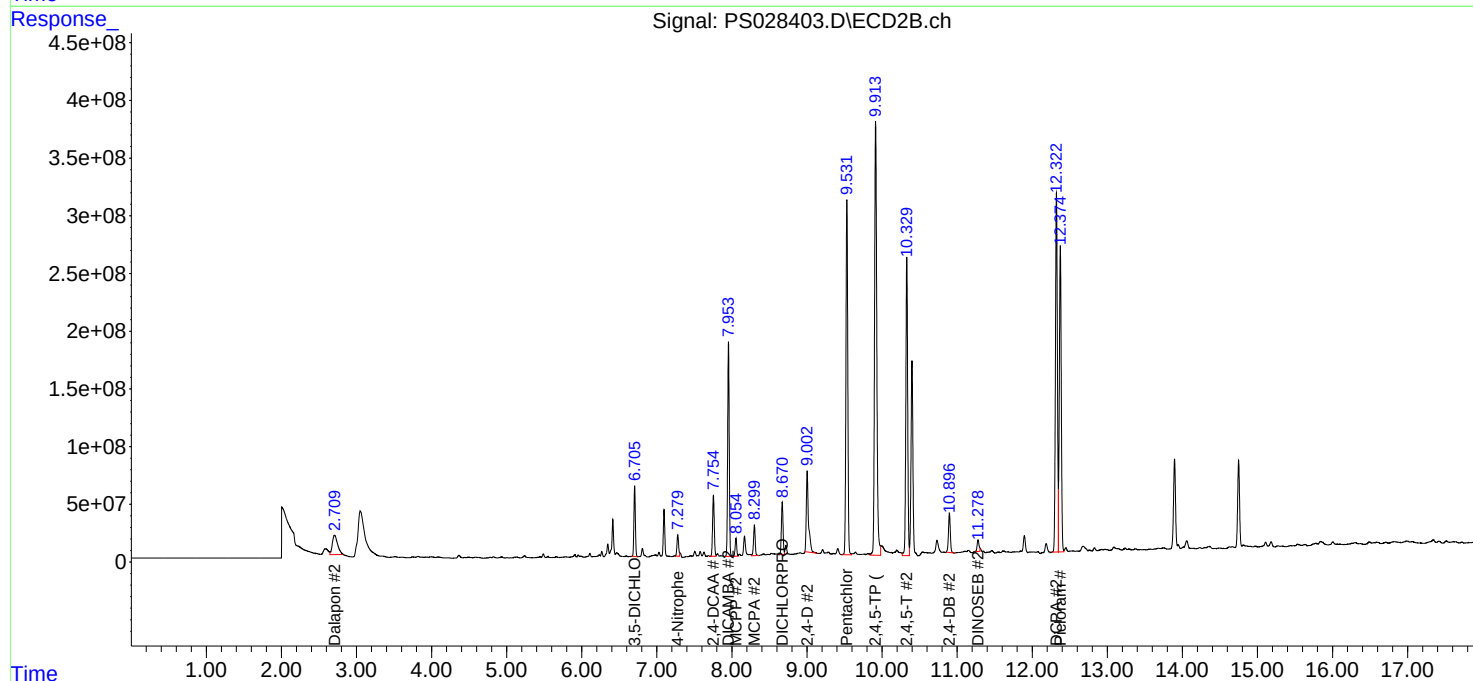
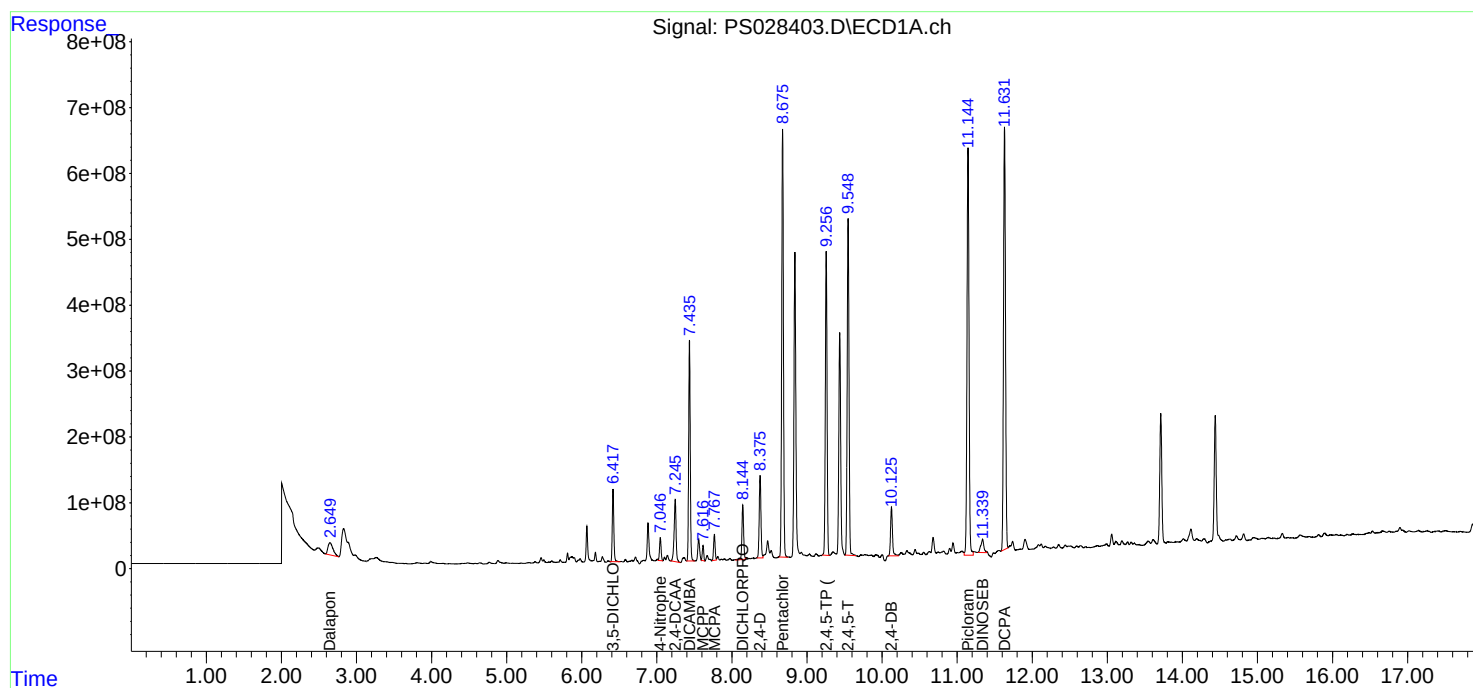
## APPROVED

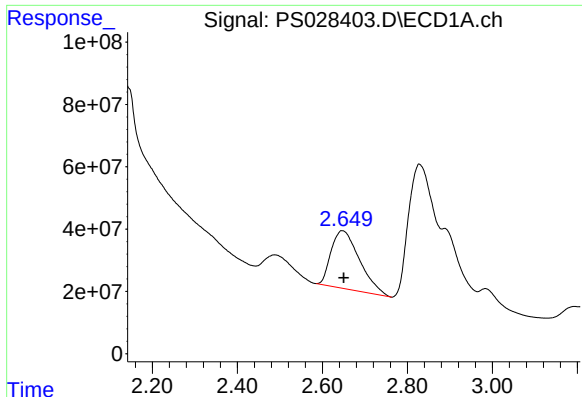
Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:17:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





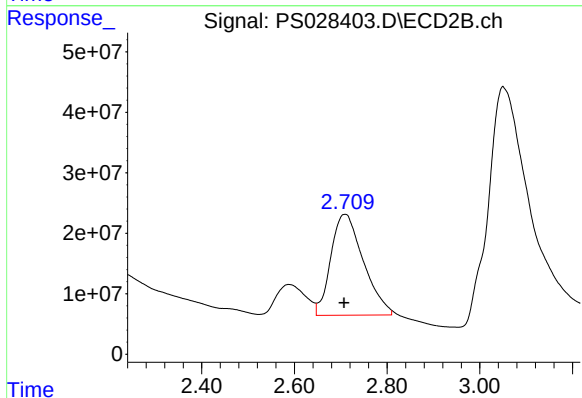
#1 Dalapon

R.T.: 2.647 min  
Delta R.T.: -0.003 min  
Response: 862662932  
Conc: 241.77 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

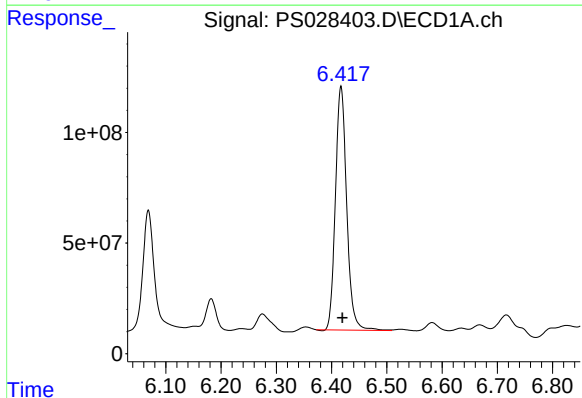
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



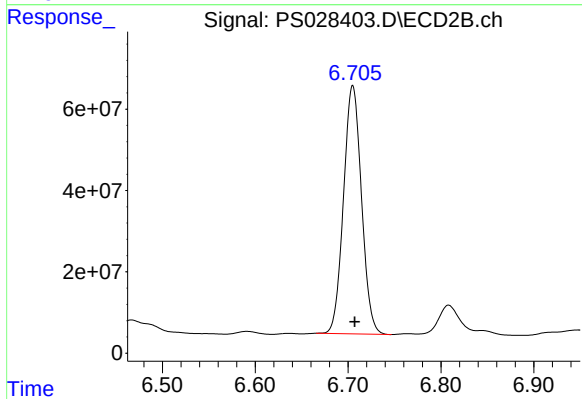
#1 Dalapon

R.T.: 2.709 min  
Delta R.T.: 0.002 min  
Response: 812278786  
Conc: 286.45 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.417 min  
Delta R.T.: -0.003 min  
Response: 1557537135  
Conc: 389.25 ng/ml

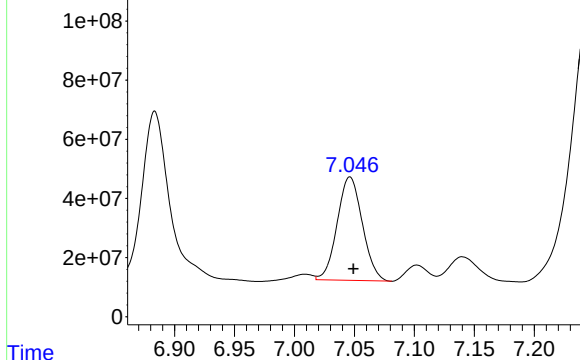


#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min  
Delta R.T.: -0.002 min  
Response: 821837764  
Conc: 346.91 ng/ml

Signal: PS028403.D\ECD1A.ch

#3 4-Nitrophenol



R.T.: 7.046 min  
Delta R.T.: -0.003 min  
Response: 511113574  
Conc: 275.65 ng/ml

Instrument :

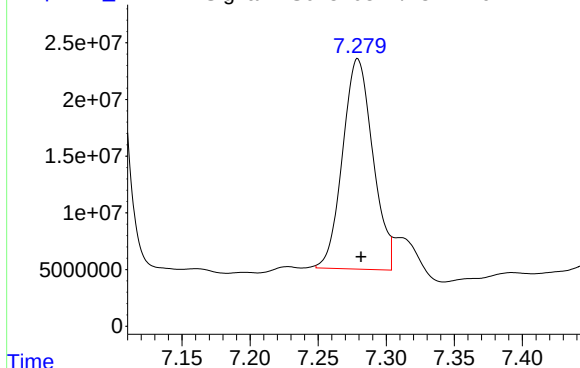
ECD\_S

ClientSampleId :  
CC0R7MS**Manual Integrations  
APPROVED**

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Signal: PS028403.D\ECD2B.ch

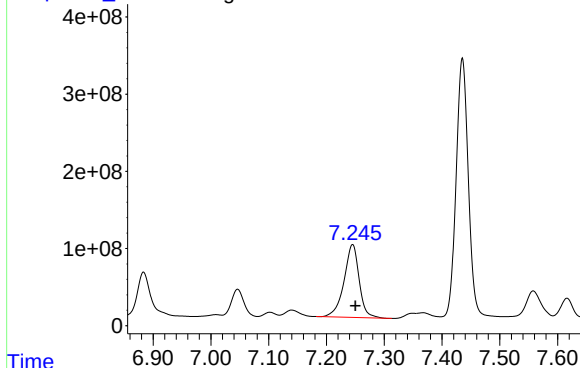
#3 4-Nitrophenol



R.T.: 7.279 min  
Delta R.T.: -0.003 min  
Response: 286596279  
Conc: 270.63 ng/ml

Signal: PS028403.D\ECD1A.ch

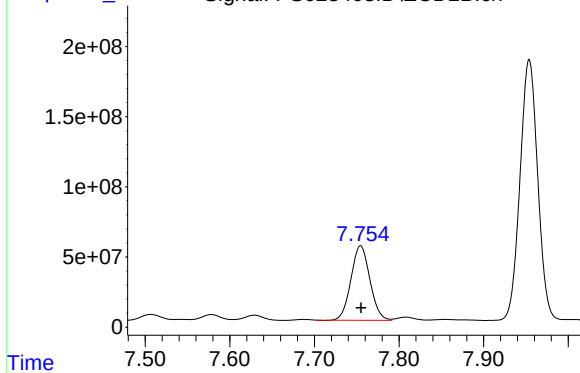
#4 2,4-DCAA



R.T.: 7.245 min  
Delta R.T.: -0.005 min  
Response: 1709489269  
Conc: 619.21 ng/ml

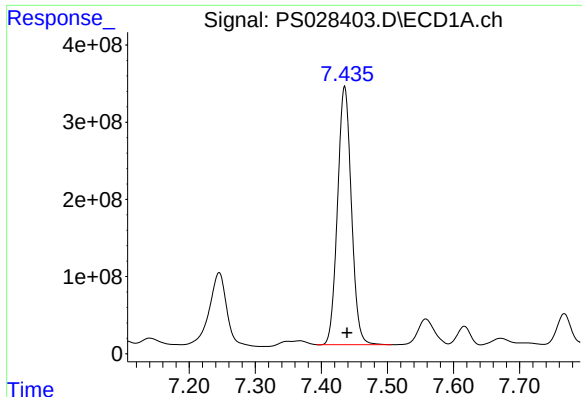
Signal: PS028403.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.755 min  
Delta R.T.: 0.000 min  
Response: 824286099  
Conc: 517.31 ng/ml





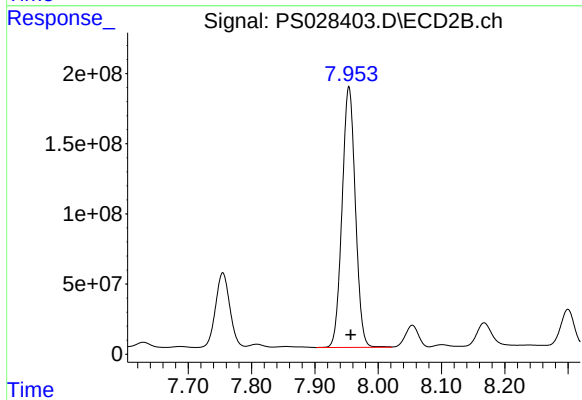
#5 DICAMBA

R.T.: 7.435 min  
Delta R.T.: -0.004 min  
Response: 4866068593  
Conc: 404.13 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

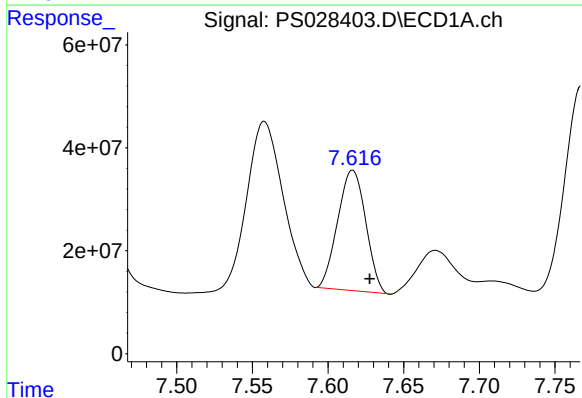
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



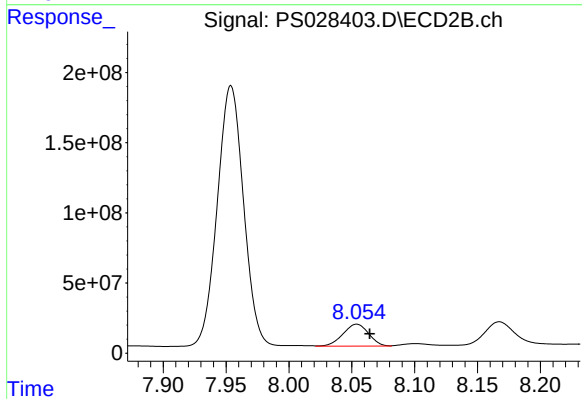
#5 DICAMBA

R.T.: 7.954 min  
Delta R.T.: -0.003 min  
Response: 2709561100  
Conc: 377.93 ng/ml



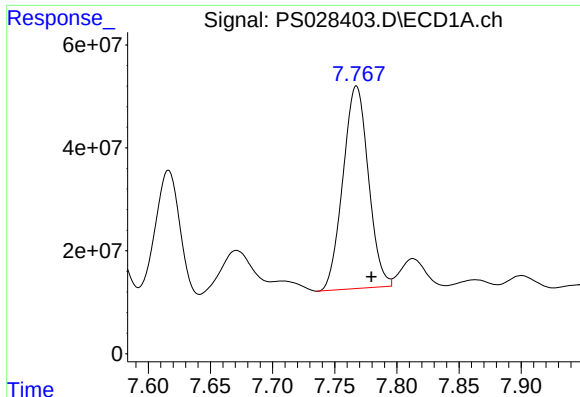
#6 MCPP

R.T.: 7.616 min  
Delta R.T.: -0.011 min  
Response: 301538743  
Conc: 36.87 ug/ml



#6 MCPP

R.T.: 8.054 min  
Delta R.T.: -0.010 min  
Response: 221731973  
Conc: 37.74 ug/ml



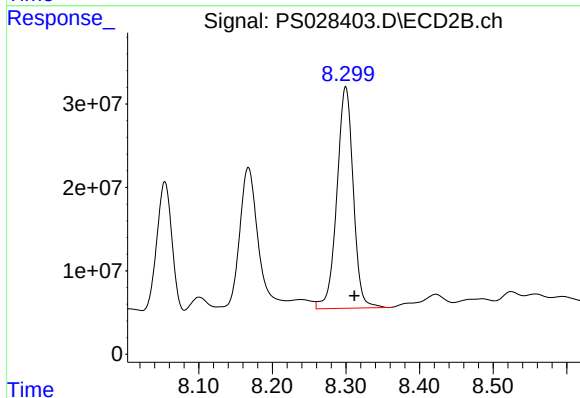
#7 MCPA

R.T.: 7.767 min  
Delta R.T.: -0.012 min  
Response: 559760141  
Conc: 49.92 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

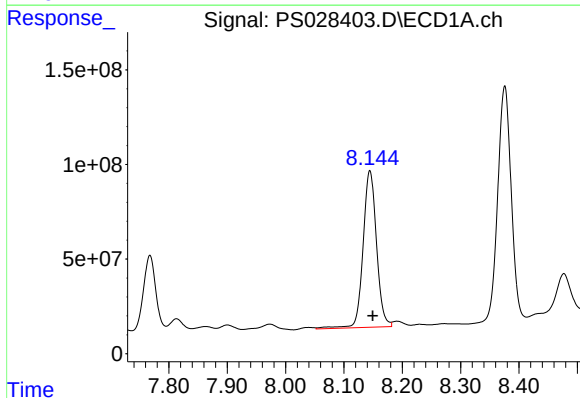
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



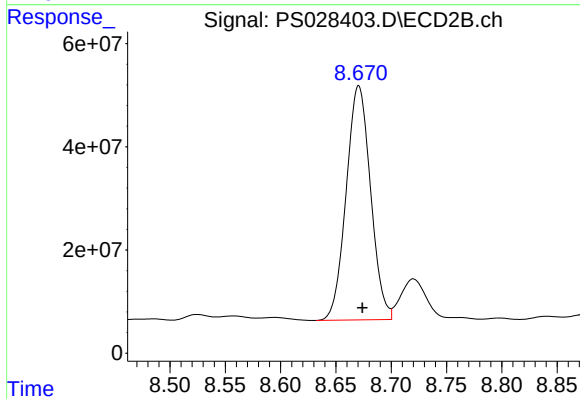
#7 MCPA

R.T.: 8.300 min  
Delta R.T.: -0.012 min  
Response: 411421309  
Conc: 51.38 ug/ml



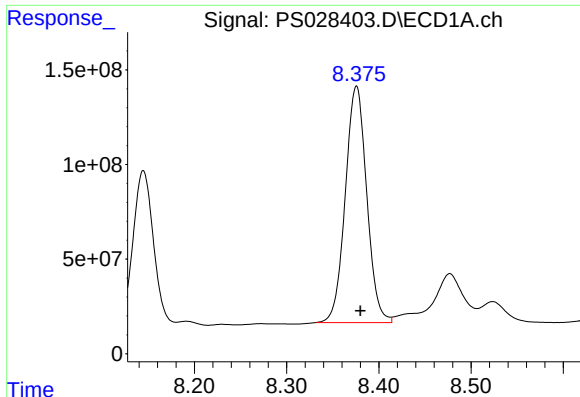
#8 DICHLORPROP

R.T.: 8.145 min  
Delta R.T.: -0.004 min  
Response: 1327530015  
Conc: 428.29 ng/ml



#8 DICHLORPROP

R.T.: 8.671 min  
Delta R.T.: -0.003 min  
Response: 696570683  
Conc: 391.05 ng/ml



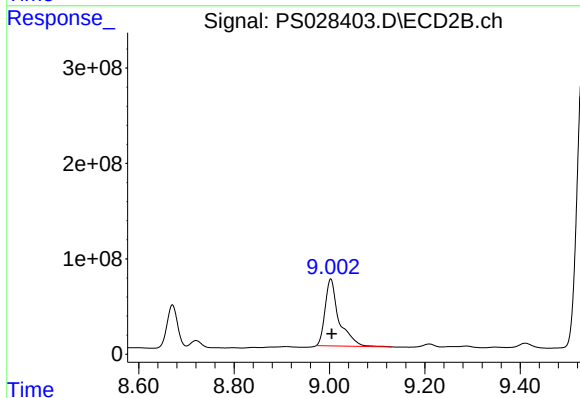
#9 2,4-D

R.T.: 8.376 min  
Delta R.T.: -0.004 min  
Response: 2018312731  
Conc: 574.33 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

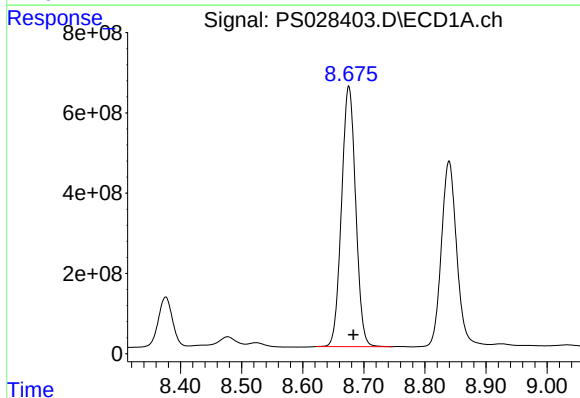
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



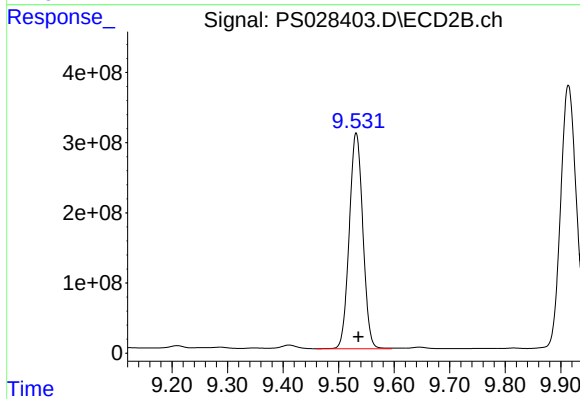
#9 2,4-D

R.T.: 9.003 min  
Delta R.T.: -0.002 min  
Response: 1423232308  
Conc: 735.97 ng/ml



#10 Pentachlorophenol

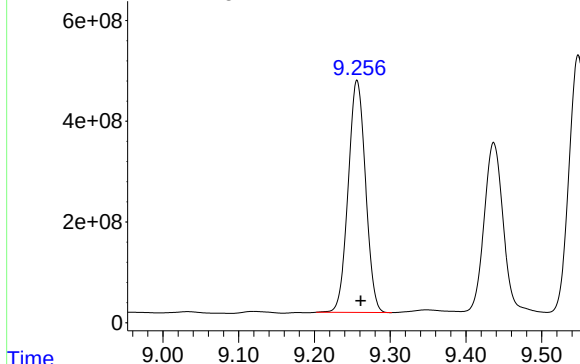
R.T.: 8.676 min  
Delta R.T.: -0.007 min  
Response: 10436968838  
Conc: 231.72 ng/ml



#10 Pentachlorophenol

R.T.: 9.532 min  
Delta R.T.: -0.004 min  
Response: 5230354063  
Conc: 209.91 ng/ml

Response\_ Signal: PS028403.D\ECD1A.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.256 min  
Delta R.T.: -0.005 min  
Response: 7329189733  
Conc: 387.19 ng/ml

Instrument :

ECD\_S

ClientSampleId :

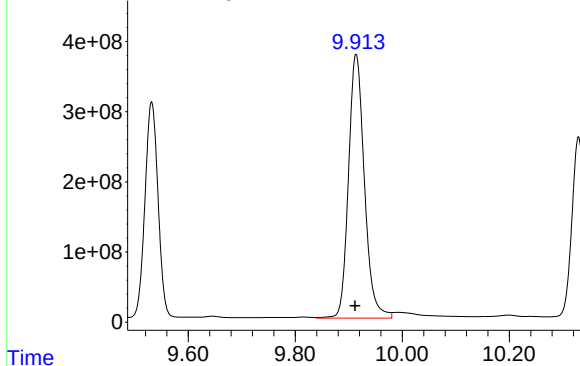
CC0R7MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

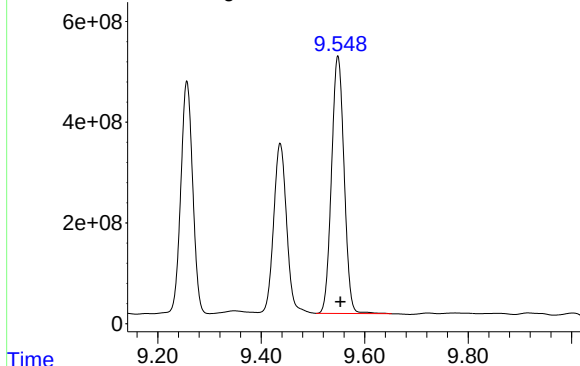
Time Response\_ Signal: PS028403.D\ECD2B.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.914 min  
Delta R.T.: 0.002 min  
Response: 7761413357  
Conc: 732.75 ng/ml

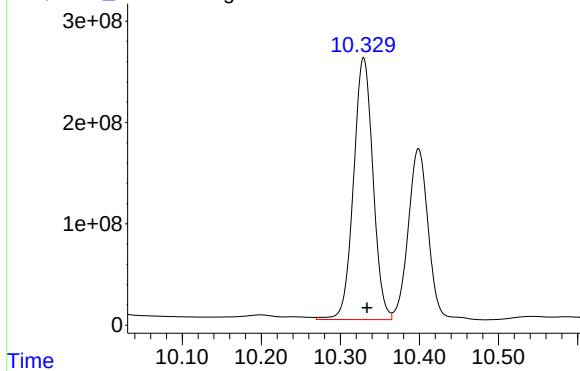
Time Response\_ Signal: PS028403.D\ECD1A.ch



#12 2,4,5-T

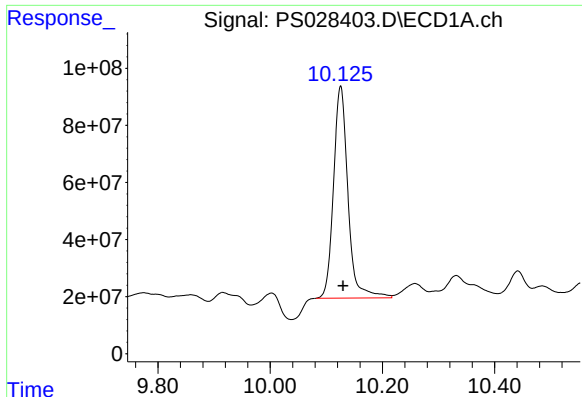
R.T.: 9.548 min  
Delta R.T.: -0.004 min  
Response: 8604116650  
Conc: 443.95 ng/ml

Time Response\_ Signal: PS028403.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.329 min  
Delta R.T.: -0.004 min  
Response: 4417252742  
Conc: 425.72 ng/ml



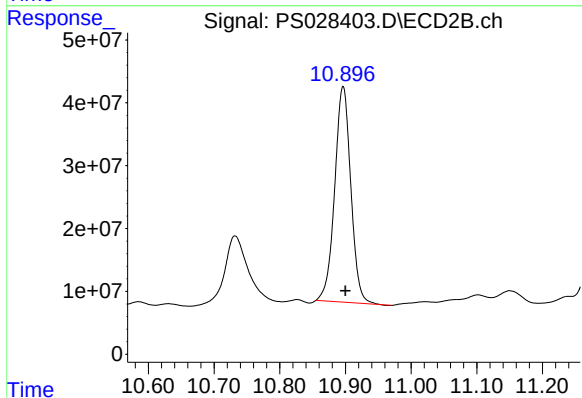
#13 2,4-DB

R.T.: 10.125 min  
Delta R.T.: -0.004 min  
Response: 1327121534  
Conc: 429.37 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

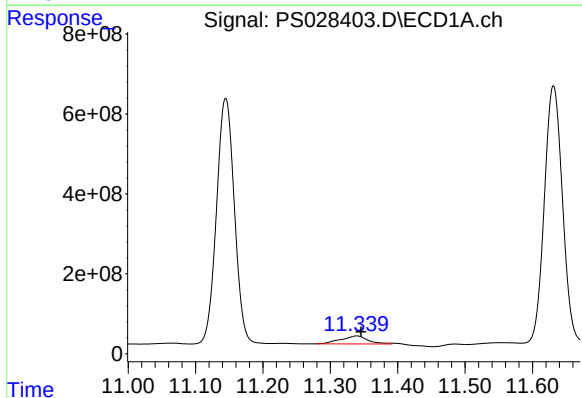
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



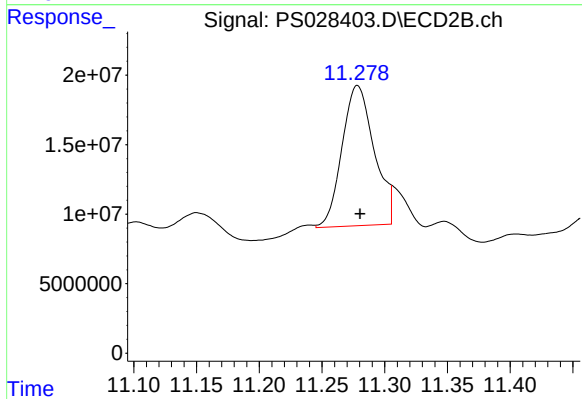
#13 2,4-DB

R.T.: 10.896 min  
Delta R.T.: -0.004 min  
Response: 582670423  
Conc: 439.66 ng/ml



#14 DINOSEB

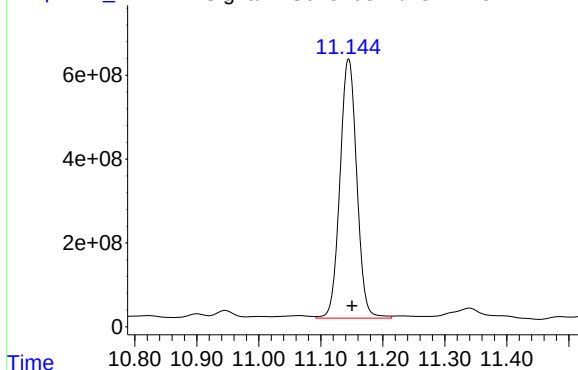
R.T.: 11.339 min  
Delta R.T.: -0.006 min  
Response: 555534008  
Conc: 34.26 ng/ml m



#14 DINOSEB

R.T.: 11.278 min  
Delta R.T.: -0.003 min  
Response: 180986723  
Conc: 25.22 ng/ml m

Response\_ Signal: PS028403.D\ECD1A.ch



#15 Picloram

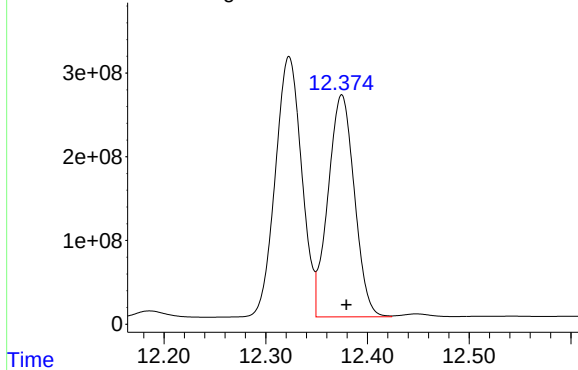
R.T.: 11.145 min  
Delta R.T.: -0.006 min  
Response: 11660700201  
Conc: 371.29 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

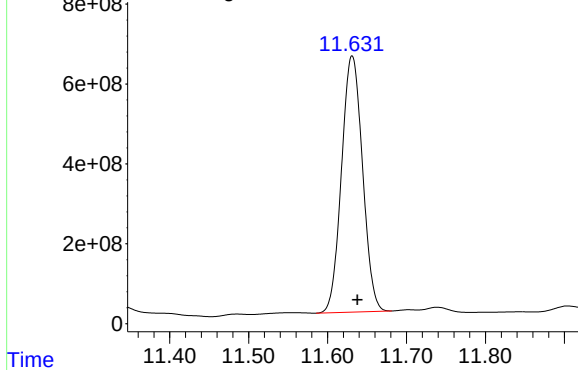
Response\_ Signal: PS028403.D\ECD2B.ch



#15 Picloram

R.T.: 12.375 min  
Delta R.T.: -0.004 min  
Response: 4769714407  
Conc: 331.40 ng/ml

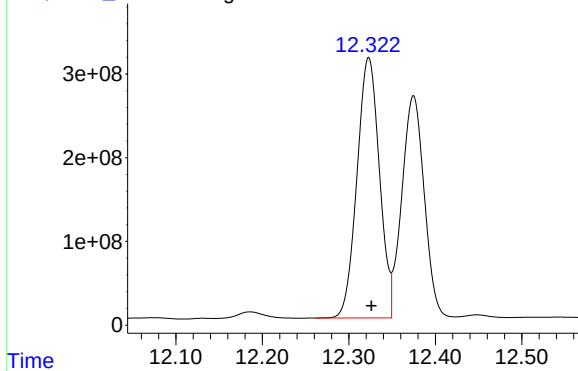
Response\_ Signal: PS028403.D\ECD1A.ch



#16 DCPA

R.T.: 11.631 min  
Delta R.T.: -0.006 min  
Response: 11848662220  
Conc: 443.33 ng/ml

Response\_ Signal: PS028403.D\ECD2B.ch



#16 DCPA

R.T.: 12.323 min  
Delta R.T.: -0.003 min  
Response: 5602016935  
Conc: 499.73 ng/ml

## Report of Analysis

|                    |                 |                    |           |
|--------------------|-----------------|--------------------|-----------|
| Client:            | Tetra Tech, EMI | Date Collected:    | 10/23/24  |
| Project:           | R36704          | Date Received:     | 10/29/24  |
| Client Sample ID:  | CC0R7MSD        | SDG No.:           | P4601     |
| Lab Sample ID:     | P4601-38MSD     | Matrix:            | SOIL      |
| Analytical Method: | SW8151A         | % Solid:           | 81.2      |
| Sample Wt/Vol:     | 30.1            | Units:             | g         |
| Soil Aliquot Vol:  |                 |                    | uL        |
| Extraction Type:   |                 | Test:              | Herbicide |
| GPC Factor :       | 1.0             | PH :               |           |
| Prep Method :      | 8151A           | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS028404.D        | 1         | 10/31/24 10:00 | 11/11/24 15:45 | PB164559      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 164   |           | 10.6     | 82.2       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 173   |           | 11.7     | 82.2       | ug/Kg             |
| 94-75-7           | 2,4-D             | 313   | P         | 14.9     | 82.2       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 298   | P         | 11.5     | 82.2       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 180   |           | 12.4     | 82.2       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 177   |           | 22.5     | 82.2       | ug/Kg             |
| 88-85-7           | DINOSEB           | 82.2  | U         | 15.2     | 82.2       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 617   |           | 10 - 141 | 123%       | SPK: 500          |

### 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\_S\Data\PS111124\  
 Data File : PS028404.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 15:45  
 Operator : AR\AJ  
 Sample : P4601-38MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

CC0R7MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 11 23:18:09 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
 Quant Title : 8080.M  
 QLast Update : Fri Nov 08 17:46:43 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|--------------|--------|--------|-----------|----------|---------|-----------|
| -----                       |              |        |        |           |          |         |           |
| System Monitoring Compounds |              |        |        |           |          |         |           |
| 4) S                        | 2,4-DCAA     | 7.245  | 7.754  | 1703.8E6  | 822.6E6  | 617.153 | 516.258   |
| Target Compounds            |              |        |        |           |          |         |           |
| 1) T                        | Dalapon      | 2.645  | 2.705  | 859.6E6   | 782.5E6  | 240.912 | 275.938m  |
| 2) T                        | 3,5-DICHL... | 6.417  | 6.705  | 1544.1E6  | 813.4E6  | 385.886 | 343.325   |
| 3) T                        | 4-Nitroph... | 7.046  | 7.278  | 513.1E6   | 294.8E6  | 276.710 | 278.364m  |
| 5) T                        | DICAMBA      | 7.435  | 7.954  | 4823.7E6  | 2672.2E6 | 400.615 | 372.723   |
| 6) T                        | MCPD         | 7.616  | 8.054  | 297.4E6   | 217.7E6  | 36.367  | 37.063    |
| 7) T                        | MCPA         | 7.768  | 8.299  | 551.9E6   | 410.4E6  | 49.224  | 51.257    |
| 8) T                        | DICHLORPROP  | 8.145  | 8.670  | 1314.4E6  | 692.4E6  | 424.049 | 388.685   |
| 9) T                        | 2,4-D        | 8.375  | 9.003  | 2018.3E6  | 1479.3E6 | 574.319 | 764.951 # |
| 10) T                       | Pentachlo... | 8.675  | 9.531  | 10367.4E6 | 5194.7E6 | 230.172 | 208.481   |
| 11) T                       | 2,4,5-TP ... | 9.256  | 9.913  | 7317.0E6  | 7716.9E6 | 386.550 | 728.541 # |
| 12) T                       | 2,4,5-T      | 9.548  | 10.329 | 8548.7E6  | 4386.4E6 | 441.086 | 422.743   |
| 13) T                       | 2,4-DB       | 10.125 | 10.896 | 1319.2E6  | 573.1E6  | 426.795 | 432.447   |
| 14) T                       | DINOSEB      | 11.340 | 11.277 | 564.8E6   | 190.7E6  | 34.835m | 26.567m   |
| 15) T                       | Picloram     | 11.145 | 12.374 | 11533.1E6 | 4718.7E6 | 367.225 | 327.861   |
| 16) T                       | DCPA         | 11.631 | 12.322 | 11722.2E6 | 5505.8E6 | 438.600 | 491.141   |
| -----                       |              |        |        |           |          |         |           |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS111124\  
Data File : PS028404.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 15:45  
Operator : AR\AJ  
Sample : P4601-38MSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

CC0R7MSD

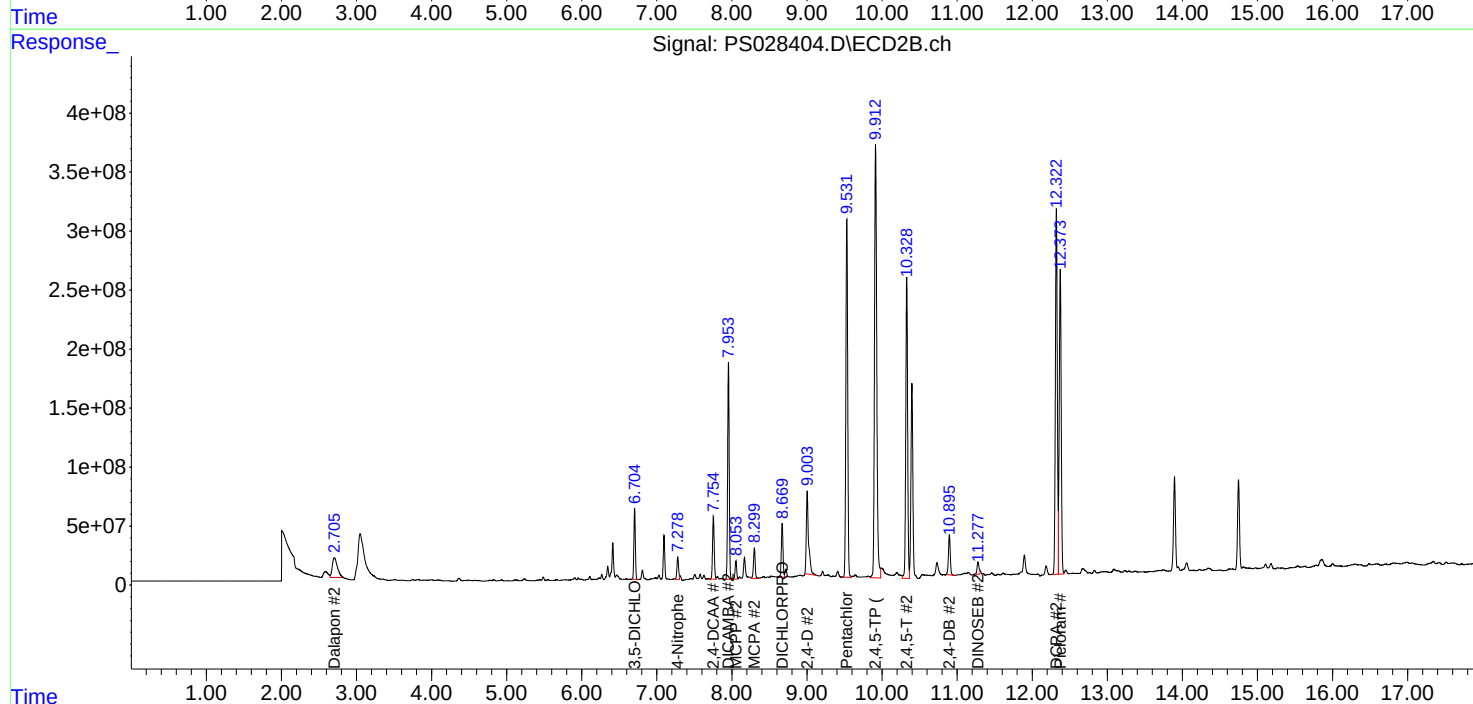
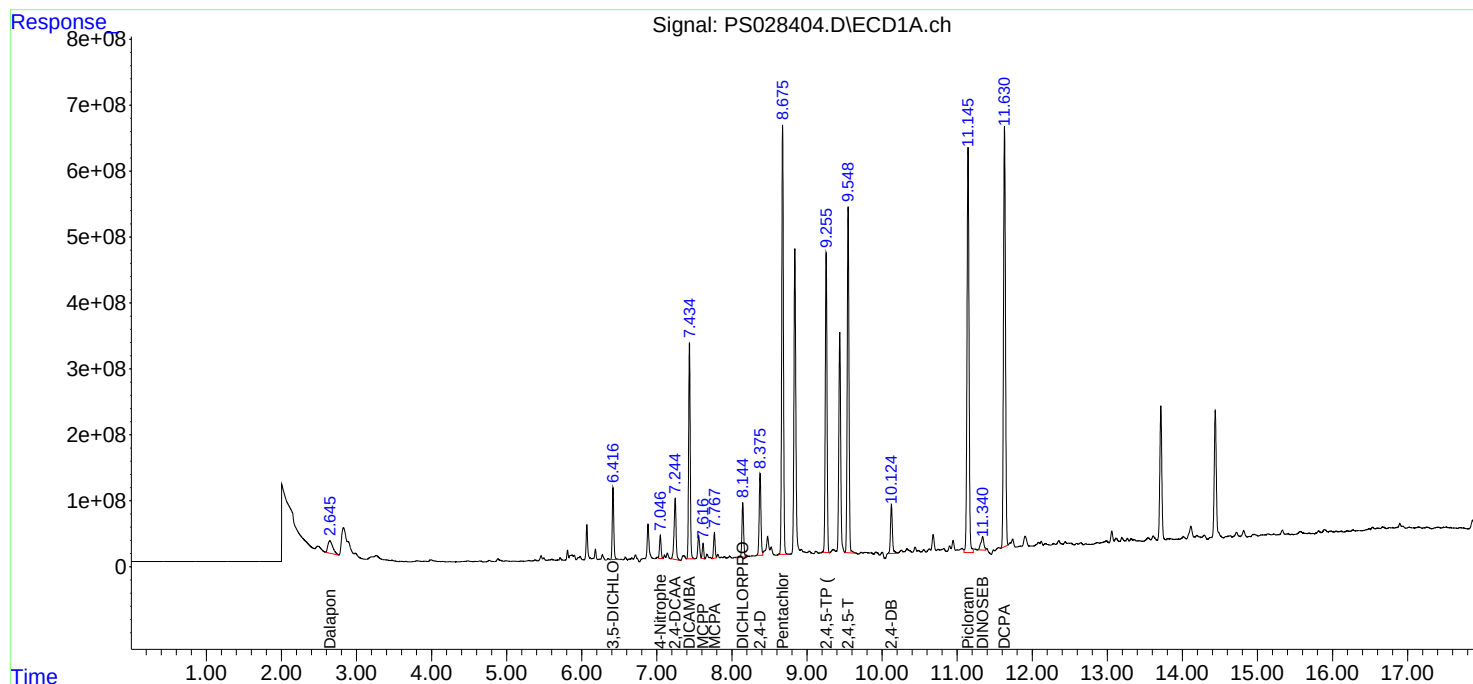
## Manual Integrations

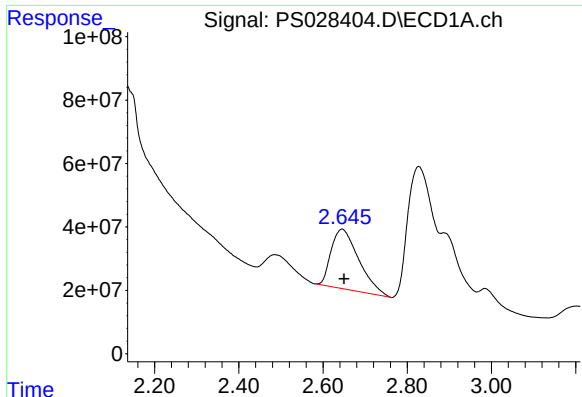
## APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 11 23:18:09 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS110924.M  
Quant Title : 8080.M  
QLast Update : Fri Nov 08 17:46:43 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





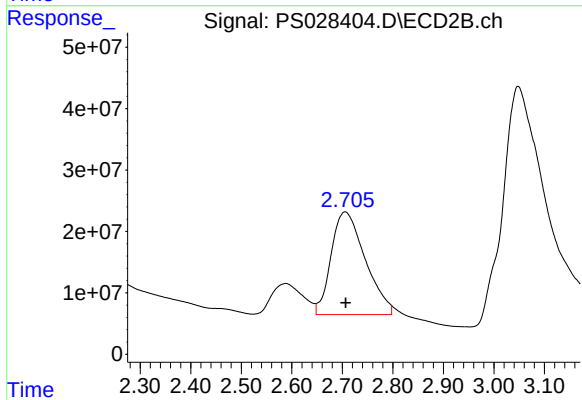
#1 Dalapon

R.T.: 2.645 min  
Delta R.T.: -0.005 min  
Response: 859604525  
Conc: 240.91 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MSD

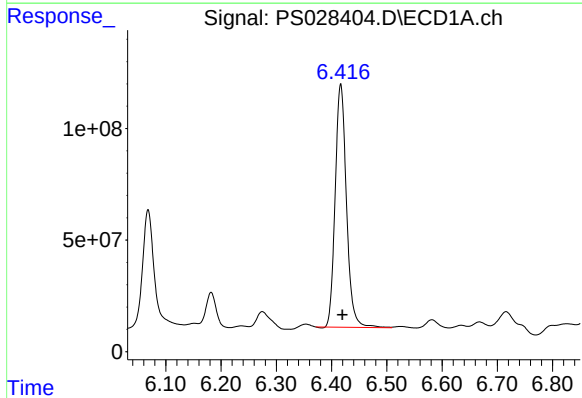
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



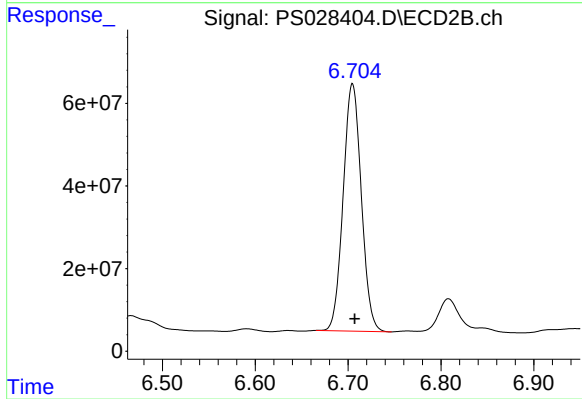
#1 Dalapon

R.T.: 2.705 min  
Delta R.T.: -0.002 min  
Response: 782467689  
Conc: 275.94 ng/ml m



#2 3,5-DICHLOROBENZOIC ACID

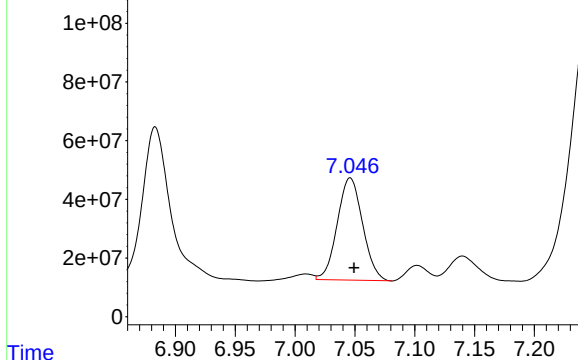
R.T.: 6.417 min  
Delta R.T.: -0.003 min  
Response: 1544076853  
Conc: 385.89 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min  
Delta R.T.: -0.002 min  
Response: 813353219  
Conc: 343.33 ng/ml

Response\_ Signal: PS028404.D\ECD1A.ch



#3 4-Nitrophenol

R.T.: 7.046 min  
Delta R.T.: -0.003 min  
Response: 513083826  
Conc: 276.71 ng/ml

Instrument :

ECD\_S

ClientSampleId :

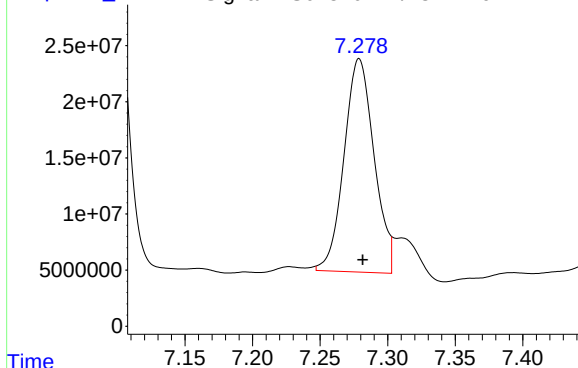
CC0R7MSD

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

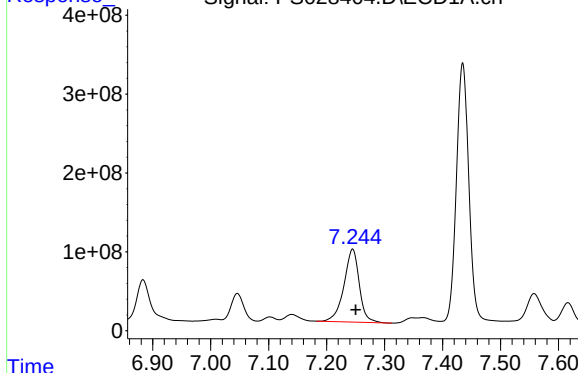
Time Response\_ Signal: PS028404.D\ECD2B.ch



#3 4-Nitrophenol

R.T.: 7.278 min  
Delta R.T.: -0.003 min  
Response: 294788391  
Conc: 278.36 ng/ml m

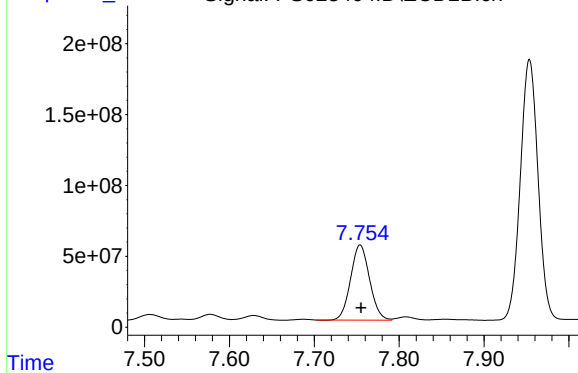
Time Response\_ Signal: PS028404.D\ECD1A.ch



#4 2,4-DCAA

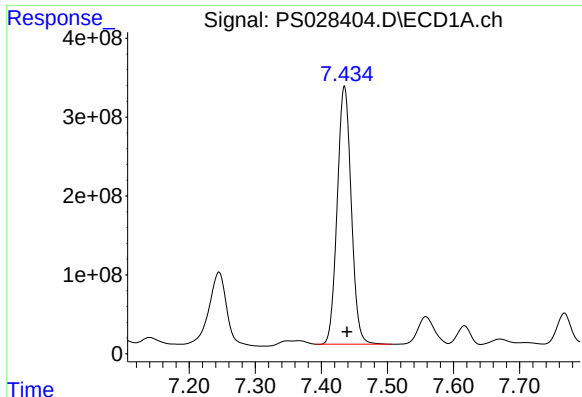
R.T.: 7.245 min  
Delta R.T.: -0.005 min  
Response: 1703808973  
Conc: 617.15 ng/ml

Time Response\_ Signal: PS028404.D\ECD2B.ch



#4 2,4-DCAA

R.T.: 7.754 min  
Delta R.T.: -0.001 min  
Response: 822616071  
Conc: 516.26 ng/ml



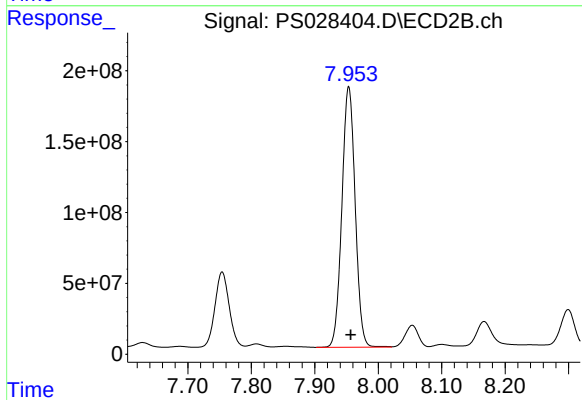
#5 DICAMBA

R.T.: 7.435 min  
Delta R.T.: -0.004 min  
Response: 4823705494  
Conc: 400.62 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MSD

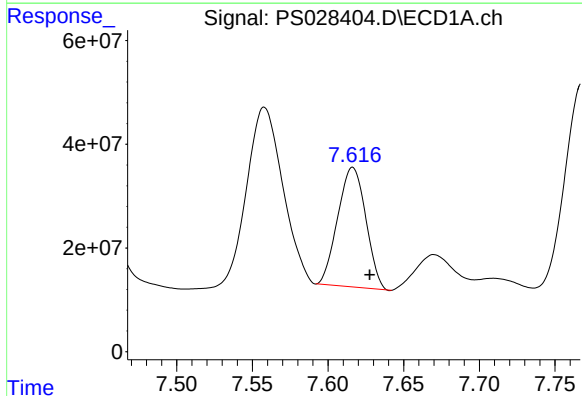
Manual Integrations  
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Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



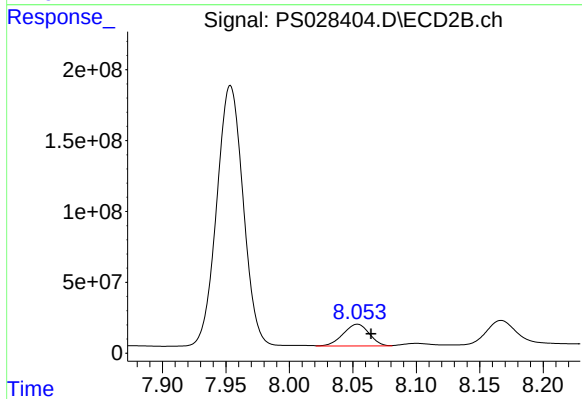
#5 DICAMBA

R.T.: 7.954 min  
Delta R.T.: -0.003 min  
Response: 2672240587  
Conc: 372.72 ng/ml



#6 MCPP

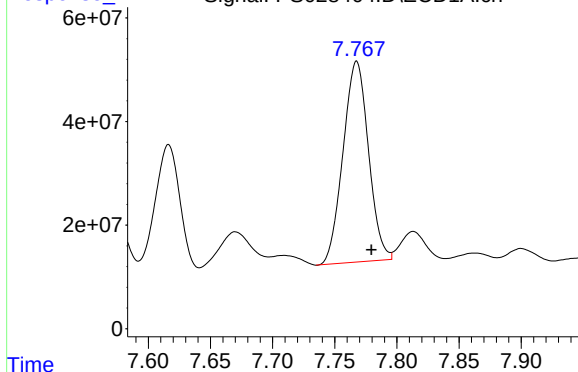
R.T.: 7.616 min  
Delta R.T.: -0.011 min  
Response: 297434246  
Conc: 36.37 ug/ml



#6 MCPP

R.T.: 8.054 min  
Delta R.T.: -0.011 min  
Response: 217731717  
Conc: 37.06 ug/ml

Response\_ Signal: PS028404.D\ECD1A.ch



#7 MCPA

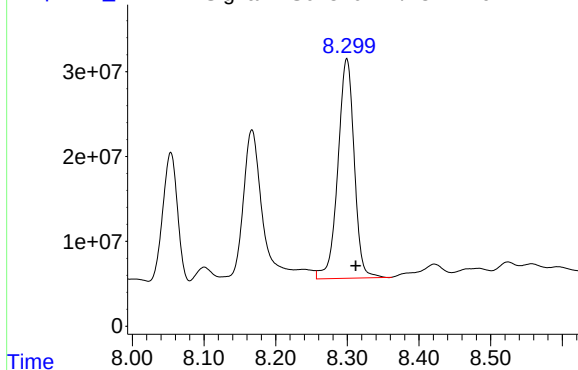
R.T.: 7.768 min  
Delta R.T.: -0.012 min  
Response: 551898084  
Conc: 49.22 ug/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MSD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

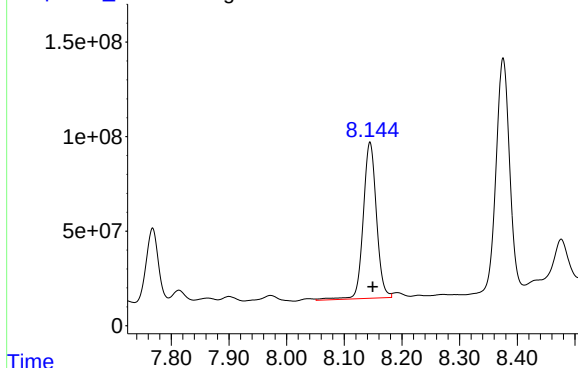
Response\_ Signal: PS028404.D\ECD2B.ch



#7 MCPA

R.T.: 8.299 min  
Delta R.T.: -0.012 min  
Response: 410449103  
Conc: 51.26 ug/ml

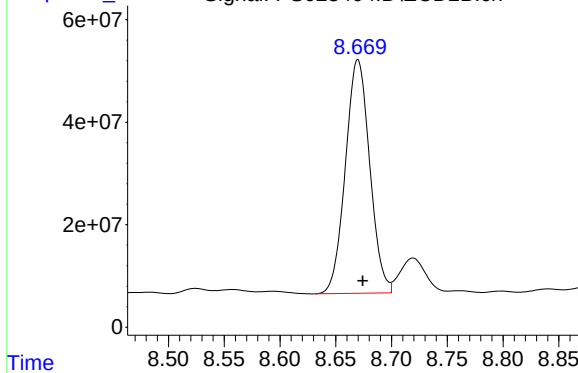
Response\_ Signal: PS028404.D\ECD1A.ch



#8 DICHLORPROP

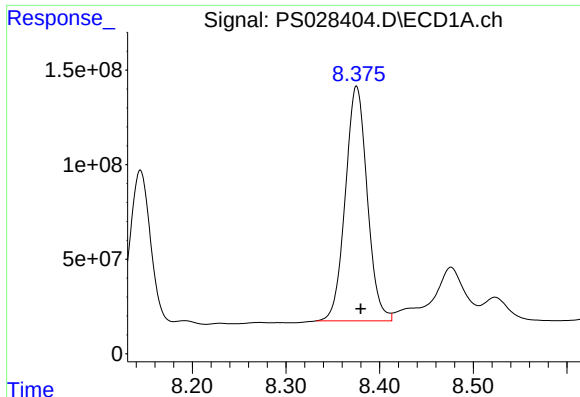
R.T.: 8.145 min  
Delta R.T.: -0.004 min  
Response: 1314398135  
Conc: 424.05 ng/ml

Response\_ Signal: PS028404.D\ECD2B.ch



#8 DICHLORPROP

R.T.: 8.670 min  
Delta R.T.: -0.004 min  
Response: 692351475  
Conc: 388.69 ng/ml



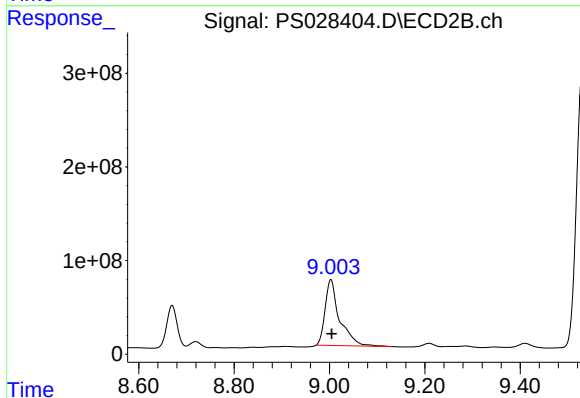
#9 2,4-D

R.T.: 8.375 min  
Delta R.T.: -0.004 min  
Response: 2018276981  
Conc: 574.32 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MSD

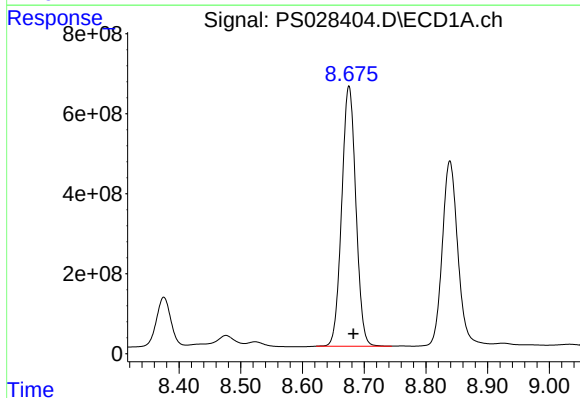
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



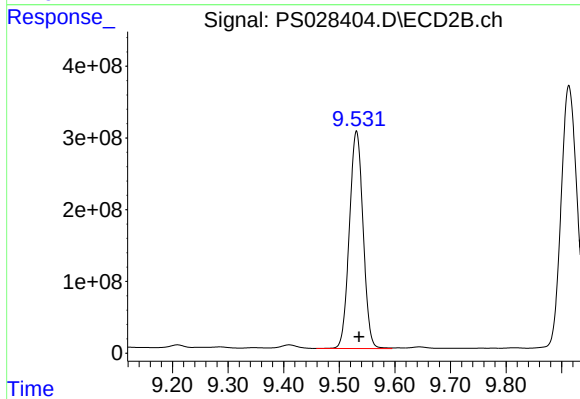
#9 2,4-D

R.T.: 9.003 min  
Delta R.T.: -0.002 min  
Response: 1479274284  
Conc: 764.95 ng/ml



#10 Pentachlorophenol

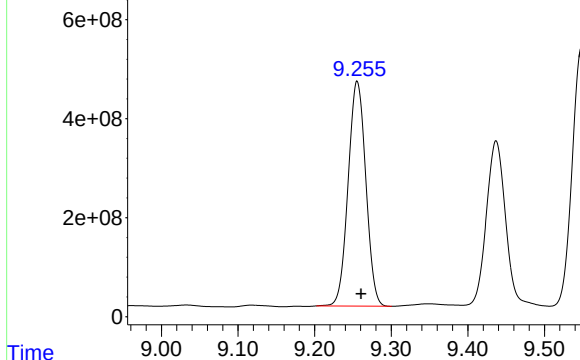
R.T.: 8.675 min  
Delta R.T.: -0.008 min  
Response: 10367421875  
Conc: 230.17 ng/ml



#10 Pentachlorophenol

R.T.: 9.531 min  
Delta R.T.: -0.005 min  
Response: 5194674001  
Conc: 208.48 ng/ml

Response\_ Signal: PS028404.D\ECD1A.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.256 min  
Delta R.T.: -0.005 min  
Response: 7316990811  
Conc: 386.55 ng/ml

Instrument :

ECD\_S

ClientSampleId :

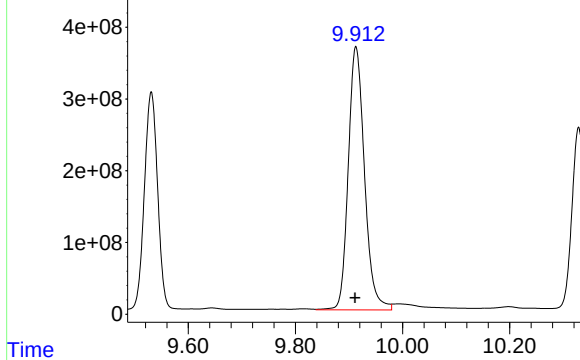
CC0R7MSD

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

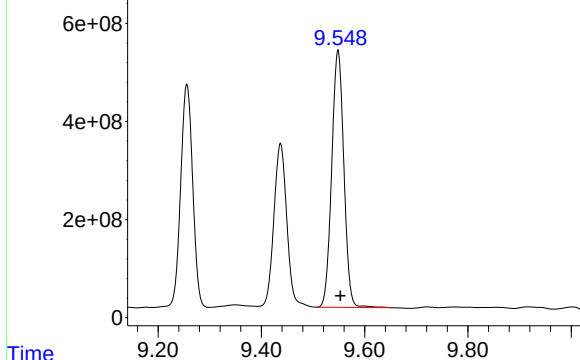
Response\_ Signal: PS028404.D\ECD2B.ch



#11 2,4,5-TP (SILVEX)

R.T.: 9.913 min  
Delta R.T.: 0.001 min  
Response: 7716861307  
Conc: 728.54 ng/ml

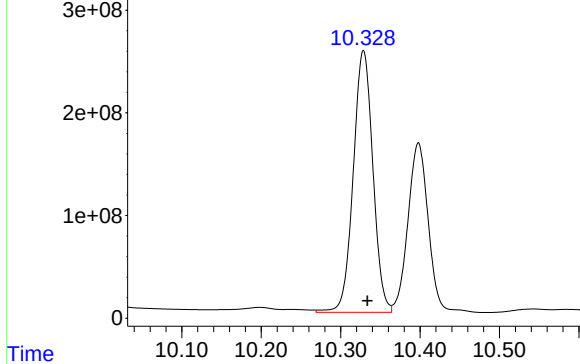
Response\_ Signal: PS028404.D\ECD1A.ch



#12 2,4,5-T

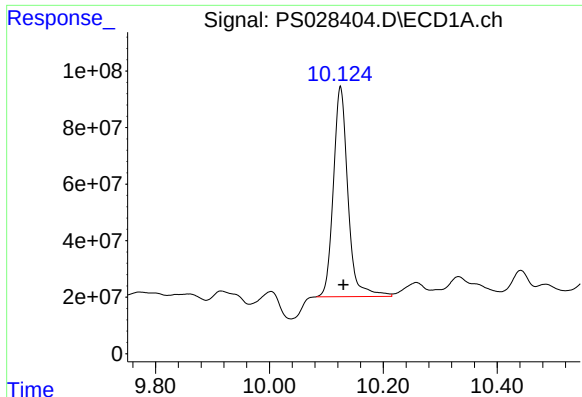
R.T.: 9.548 min  
Delta R.T.: -0.004 min  
Response: 8548692361  
Conc: 441.09 ng/ml

Response\_ Signal: PS028404.D\ECD2B.ch



#12 2,4,5-T

R.T.: 10.329 min  
Delta R.T.: -0.005 min  
Response: 4386399591  
Conc: 422.74 ng/ml



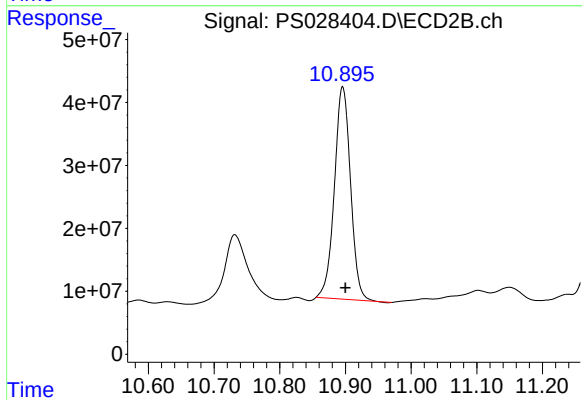
#13 2,4-DB

R.T.: 10.125 min  
Delta R.T.: -0.005 min  
Response: 1319175135  
Conc: 426.80 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
CC0R7MSD

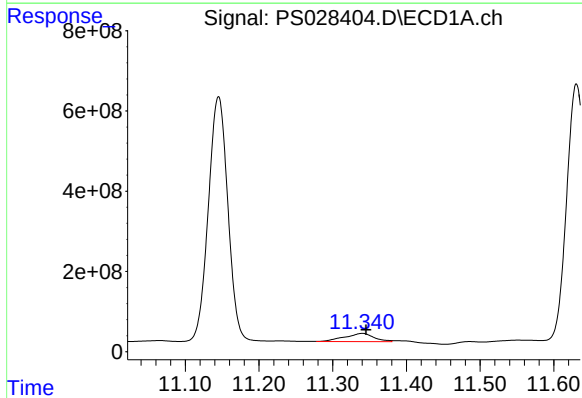
Manual Integrations  
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Supervised By :Ankita Jodhani 11/12/2024



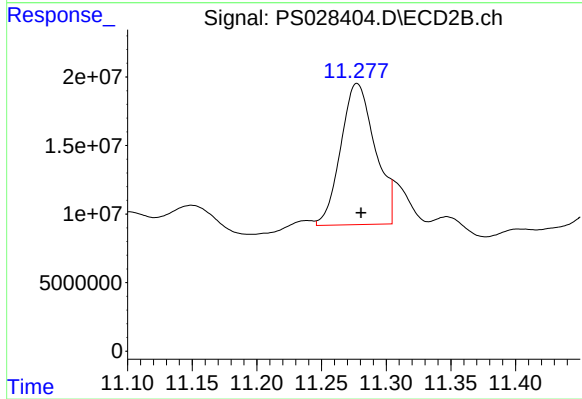
#13 2,4-DB

R.T.: 10.896 min  
Delta R.T.: -0.004 min  
Response: 573113755  
Conc: 432.45 ng/ml



#14 DINOSEB

R.T.: 11.340 min  
Delta R.T.: -0.006 min  
Response: 564790064  
Conc: 34.83 ng/ml m

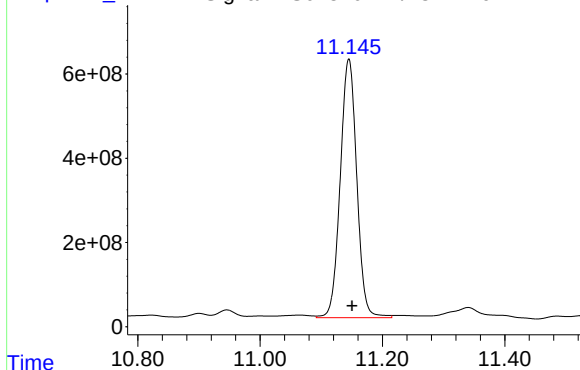


#14 DINOSEB

R.T.: 11.277 min  
Delta R.T.: -0.003 min  
Response: 190679052  
Conc: 26.57 ng/ml m



Response\_ Signal: PS028404.D\ECD1A.ch



#15 Picloram

R.T.: 11.145 min  
Delta R.T.: -0.005 min  
Response: 11533069948  
Conc: 367.23 ng/ml

Instrument :

ECD\_S

ClientSampleId :

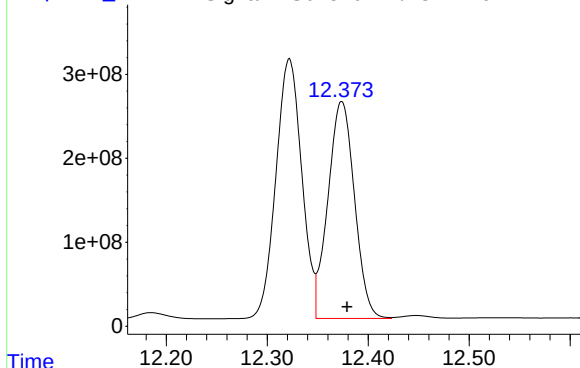
CC0R7MSD

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024

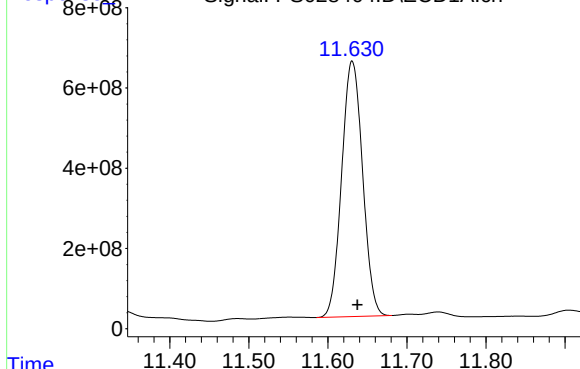
Response\_ Signal: PS028404.D\ECD2B.ch



#15 Picloram

R.T.: 12.374 min  
Delta R.T.: -0.005 min  
Response: 4718744216  
Conc: 327.86 ng/ml

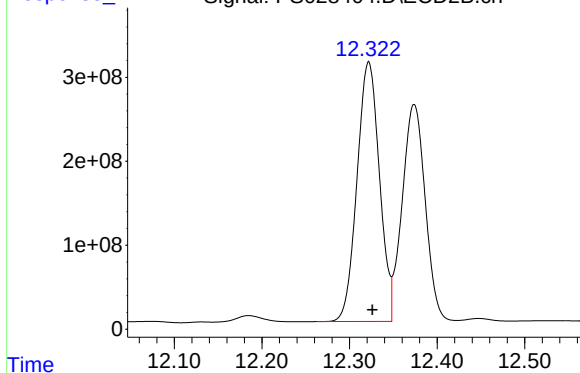
Response\_ Signal: PS028404.D\ECD1A.ch



#16 DCPA

R.T.: 11.631 min  
Delta R.T.: -0.007 min  
Response: 11722206811  
Conc: 438.60 ng/ml

Response\_ Signal: PS028404.D\ECD2B.ch



#16 DCPA

R.T.: 12.322 min  
Delta R.T.: -0.004 min  
Response: 5505753751  
Conc: 491.14 ng/ml

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS110624 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter                       | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|---------------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| HSTDICC500  | PS028254.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:55:51 AM | Ankita        | 11/8/2024 11:03:48    | Peak Integrated by Software |
| HSTDICC1000 | PS028256.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:55:55 AM | Ankita        | 11/8/2024 11:03:51    | Peak Integrated by Software |
| HSTDICV750  | PS028258.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:55:59 AM | Ankita        | 11/8/2024 11:03:53    | Peak Integrated by Software |
| I.BLK       | PS028271.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:59:56 AM | Ankita        | 11/8/2024 11:04:10    | Peak Integrated by Software |
| HSTDCCC750  | PS028272.D | 3,5-DICHLOROBENZOI<br>C ACID #2 | Abdul     | 11/8/2024<br>11:00:02 AM | Ankita        | 11/8/2024 11:04:13    | Peak Integrated by Software |
| I.BLK       | PS028283.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:57:34 AM | Ankita        | 11/8/2024 11:04:56    | Peak Integrated by Software |
| HSTDCCC750  | PS028284.D | 3,5-DICHLOROBENZOI<br>C ACID #2 | Abdul     | 11/8/2024<br>11:01:14 AM | Ankita        | 11/8/2024 11:04:58    | Peak Integrated by Software |
| PB164559BL  | PS028294.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:58:00 AM | Ankita        | 11/8/2024 11:05:16    | Peak Integrated by Software |
| PB164559BL  | PS028294.D | 2,4-DCAA #2                     | Abdul     | 11/8/2024<br>10:58:00 AM | Ankita        | 11/8/2024 11:05:16    | Peak Integrated by Software |
| PB164559BS  | PS028295.D | 2,4-D                           | Abdul     | 11/8/2024<br>10:43:20 AM | Ankita        | 11/8/2024<br>10:46:45 | Peak Integrated by Software |
| HSTDCCC750  | PS028297.D | 2,4-D                           | Abdul     | 11/8/2024<br>10:43:24 AM | Ankita        | 11/8/2024<br>10:46:46 | Peak Integrated by Software |
| HSTDCCC750  | PS028297.D | 2,4-DCAA                        | Abdul     | 11/8/2024<br>10:43:24 AM | Ankita        | 11/8/2024<br>10:46:46 | Peak Integrated by Software |
| P4601-19    | PS028298.D | 2,4-DCAA #2                     | Abdul     | 11/8/2024<br>10:43:27 AM | Ankita        | 11/8/2024<br>10:46:48 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS110624 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID | File ID    | Parameter   | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-----------|------------|-------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| P4601-20  | PS028299.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:43:31 AM | Ankita        | 11/8/2024<br>10:46:50 | Peak Integrated by Software |
| P4601-20  | PS028299.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:43:31 AM | Ankita        | 11/8/2024<br>10:46:50 | Peak Integrated by Software |
| P4601-21  | PS028300.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:58:17 AM | Ankita        | 11/8/2024 11:05:36    | Peak Integrated by Software |
| P4601-21  | PS028300.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:58:17 AM | Ankita        | 11/8/2024 11:05:36    | Peak Integrated by Software |
| P4601-22  | PS028301.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:42:06 AM | Ankita        | 11/8/2024<br>10:46:51 | Peak Integrated by Software |
| P4601-22  | PS028301.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:42:06 AM | Ankita        | 11/8/2024<br>10:46:51 | Peak Integrated by Software |
| P4601-23  | PS028302.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:42:09 AM | Ankita        | 11/8/2024<br>10:46:53 | Peak Integrated by Software |
| P4601-23  | PS028302.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:42:09 AM | Ankita        | 11/8/2024<br>10:46:53 | Peak Integrated by Software |
| P4601-24  | PS028303.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:42:13 AM | Ankita        | 11/8/2024<br>10:46:54 | Peak Integrated by Software |
| P4601-25  | PS028304.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:58:24 AM | Ankita        | 11/8/2024 11:05:38    | Peak Integrated by Software |
| P4601-25  | PS028304.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:58:24 AM | Ankita        | 11/8/2024 11:05:38    | Peak Integrated by Software |
| P4601-26  | PS028305.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:58:28 AM | Ankita        | 11/8/2024 11:05:39    | Peak Integrated by Software |
| P4601-26  | PS028305.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:58:28 AM | Ankita        | 11/8/2024 11:05:39    | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS110624 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|-------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| P4601-27   | PS028306.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:43:36 AM | Ankita        | 11/8/2024<br>10:46:56 | Peak Integrated by Software |
| P4601-27   | PS028306.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:43:36 AM | Ankita        | 11/8/2024<br>10:46:56 | Peak Integrated by Software |
| P4601-28   | PS028307.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:58:32 AM | Ankita        | 11/8/2024 11:05:41    | Peak Integrated by Software |
| P4601-28   | PS028307.D | 2,4-DCAA #2 | Abdul     | 11/8/2024<br>10:58:32 AM | Ankita        | 11/8/2024 11:05:41    | Peak Integrated by Software |
| HSTDCCC750 | PS028309.D | 2,4,5-T     | Abdul     | 11/8/2024<br>10:43:50 AM | Ankita        | 11/8/2024<br>10:46:57 | Peak Integrated by Software |
| HSTDCCC750 | PS028320.D | 2,4,5-T     | Abdul     | 11/8/2024<br>10:44:46 AM | Ankita        | 11/8/2024<br>10:46:10 | Peak Integrated by Software |
| HSTDCCC750 | PS028320.D | 2,4-D       | Abdul     | 11/8/2024<br>10:44:46 AM | Ankita        | 11/8/2024<br>10:46:10 | Peak Integrated by Software |
| HSTDCCC750 | PS028332.D | 2,4,5-T     | Abdul     | 11/8/2024<br>10:59:13 AM | Ankita        | 11/8/2024 11:05:48    | Peak Integrated by Software |
| HSTDCCC750 | PS028332.D | 2,4-D       | Abdul     | 11/8/2024<br>10:59:13 AM | Ankita        | 11/8/2024 11:05:48    | Peak Integrated by Software |
| HSTDCCC750 | PS028332.D | 2,4-DCAA    | Abdul     | 11/8/2024<br>10:59:13 AM | Ankita        | 11/8/2024 11:05:48    | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS110924 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|-----------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| HSTDICC500 | PS028357.D | 2,4-DCAA  | Abdul     | 11/11/2024<br>5:06:04 PM | Ankita        | 11/12/2024<br>8:58:43 | Peak Integrated by Software |
| I.BLK      | PS028362.D | 2,4-DCAA  | Abdul     | 11/11/2024<br>5:06:07 PM | Ankita        | 11/12/2024<br>8:58:45 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps111124 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter        | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| HSTDCCC750  | PS028394.D | 2,4-DCAA         | yogesh    | 11/12/2024<br>5:14:37 AM | Ankita        | 11/12/2024<br>9:00:00 | Peak Integrated by Software |
| P4601-33    | PS028399.D | 2,4-DCAA #2      | yogesh    | 11/12/2024<br>5:14:39 AM | Ankita        | 11/12/2024<br>9:00:02 | Peak Integrated by Software |
| P4601-34    | PS028400.D | 2,4-DCAA #2      | yogesh    | 11/12/2024<br>5:14:40 AM | Ankita        | 11/12/2024<br>9:00:03 | Peak Integrated by Software |
| P4601-35    | PS028401.D | 2,4-DCAA         | yogesh    | 11/12/2024<br>5:14:42 AM | Ankita        | 11/12/2024<br>9:00:06 | Peak Integrated by Software |
| P4601-36    | PS028402.D | 2,4-DCAA #2      | yogesh    | 11/12/2024<br>5:14:44 AM | Ankita        | 11/12/2024<br>9:00:07 | Peak Integrated by Software |
| P4601-37MS  | PS028403.D | 4-Nitrophenol #2 | yogesh    | 11/12/2024<br>5:14:46 AM | Ankita        | 11/12/2024<br>9:00:09 | Peak Integrated by Software |
| P4601-37MS  | PS028403.D | Dalapon #2       | yogesh    | 11/12/2024<br>5:14:46 AM | Ankita        | 11/12/2024<br>9:00:09 | Peak Integrated by Software |
| P4601-37MS  | PS028403.D | DINOSEB          | yogesh    | 11/12/2024<br>5:14:46 AM | Ankita        | 11/12/2024<br>9:00:09 | Peak Integrated by Software |
| P4601-37MS  | PS028403.D | DINOSEB #2       | yogesh    | 11/12/2024<br>5:14:46 AM | Ankita        | 11/12/2024<br>9:00:09 | Peak Integrated by Software |
| P4601-38MSD | PS028404.D | 4-Nitrophenol #2 | yogesh    | 11/12/2024<br>5:14:49 AM | Ankita        | 11/12/2024<br>9:00:10 | Peak Integrated by Software |
| P4601-38MSD | PS028404.D | Dalapon #2       | yogesh    | 11/12/2024<br>5:14:49 AM | Ankita        | 11/12/2024<br>9:00:10 | Peak Integrated by Software |
| P4601-38MSD | PS028404.D | DINOSEB          | yogesh    | 11/12/2024<br>5:14:49 AM | Ankita        | 11/12/2024<br>9:00:10 | Peak Integrated by Software |
| P4601-38MSD | PS028404.D | DINOSEB #2       | yogesh    | 11/12/2024<br>5:14:49 AM | Ankita        | 11/12/2024<br>9:00:10 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps111124 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter        | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------|------------|------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| HSTDCCC750 | PS028406.D | 2,4-D #2         | Abdul     | 11/12/2024<br>3:48:55 PM | Ankita        | 11/12/2024<br>4:00:08 | Peak Integrated by Software |
| HSTDCCC750 | PS028418.D | 2,4-DB #2        | Abdul     | 11/12/2024<br>3:48:58 PM | Ankita        | 11/12/2024<br>4:00:10 | Peak Integrated by Software |
| HSTDCCC750 | PS028418.D | 2,4-DCAA         | Abdul     | 11/12/2024<br>3:48:58 PM | Ankita        | 11/12/2024<br>4:00:10 | Peak Integrated by Software |
| HSTDCCC750 | PS028442.D | 2,4-D #2         | Abdul     | 11/12/2024<br>3:50:02 PM | Ankita        | 11/12/2024<br>4:00:20 | Peak Integrated by Software |
| HSTDCCC750 | PS028442.D | 2,4-DB #2        | Abdul     | 11/12/2024<br>3:50:02 PM | Ankita        | 11/12/2024<br>4:00:20 | Peak Integrated by Software |
| HSTDCCC750 | PS028442.D | 4-Nitrophenol #2 | Abdul     | 11/12/2024<br>3:50:02 PM | Ankita        | 11/12/2024<br>4:00:20 | Peak Integrated by Software |
| HSTDCCC750 | PS028442.D | DCPA             | Abdul     | 11/12/2024<br>3:50:02 PM | Ankita        | 11/12/2024<br>4:00:20 | Peak Integrated by Software |
| HSTDCCC750 | PS028448.D | 2,4-D #2         | Abdul     | 11/12/2024<br>3:50:20 PM | Ankita        | 11/12/2024<br>4:00:24 | Peak Integrated by Software |
| HSTDCCC750 | PS028448.D | 4-Nitrophenol #2 | Abdul     | 11/12/2024<br>3:50:20 PM | Ankita        | 11/12/2024<br>4:00:24 | Peak Integrated by Software |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

|                                         |                                                                        |                   |                                    |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | HEXANE      | PS028251.D     | 06 Nov 2024 09:00 | AR\AJ    | Ok       |
| 2   | I.BLK       | PS028252.D     | 06 Nov 2024 09:24 | AR\AJ    | Ok       |
| 3   | HSTDICC200  | PS028253.D     | 06 Nov 2024 09:48 | AR\AJ    | Ok       |
| 4   | HSTDICC500  | PS028254.D     | 06 Nov 2024 10:12 | AR\AJ    | Ok,M     |
| 5   | HSTDICC750  | PS028255.D     | 06 Nov 2024 10:36 | AR\AJ    | Ok       |
| 6   | HSTDICC1000 | PS028256.D     | 06 Nov 2024 11:00 | AR\AJ    | Ok,M     |
| 7   | HSTDICC1500 | PS028257.D     | 06 Nov 2024 11:24 | AR\AJ    | Ok       |
| 8   | HSTDICV750  | PS028258.D     | 06 Nov 2024 11:48 | AR\AJ    | Ok,M     |
| 9   | I.BLK       | PS028259.D     | 06 Nov 2024 12:14 | AR\AJ    | Ok       |
| 10  | HSTDCCC750  | PS028260.D     | 06 Nov 2024 12:38 | AR\AJ    | Ok       |
| 11  | P4643-09RE  | PS028261.D     | 06 Nov 2024 13:02 | AR\AJ    | Confirms |
| 12  | PB164519BL  | PS028262.D     | 06 Nov 2024 13:26 | AR\AJ    | Ok,M     |
| 13  | PB164519BS  | PS028263.D     | 06 Nov 2024 13:50 | AR\AJ    | Ok       |
| 14  | PB164393TB  | PS028264.D     | 06 Nov 2024 14:14 | AR\AJ    | Not Ok   |
| 15  | P4578-06    | PS028265.D     | 06 Nov 2024 15:23 | AR\AJ    | Ok,M     |
| 16  | P4682-01    | PS028266.D     | 06 Nov 2024 15:50 | AR\AJ    | Ok,M     |
| 17  | P4667-01    | PS028267.D     | 06 Nov 2024 16:14 | AR\AJ    | Ok,M     |
| 18  | P4667-05    | PS028268.D     | 06 Nov 2024 16:39 | AR\AJ    | Ok,M     |
| 19  | P4667-09    | PS028269.D     | 06 Nov 2024 17:03 | AR\AJ    | Ok,M     |
| 20  | P4667-13    | PS028270.D     | 06 Nov 2024 17:27 | AR\AJ    | Ok,M     |
| 21  | I.BLK       | PS028271.D     | 06 Nov 2024 17:51 | AR\AJ    | Ok,M     |



Instrument ID: ECD\_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | HSTDCCC750  | PS028272.D | 06 Nov 2024 18:15 | AR\AJ | Ok,M |
| 23 | P4679-01    | PS028273.D | 06 Nov 2024 18:39 | AR\AJ | Ok,M |
| 24 | P4680-01    | PS028274.D | 06 Nov 2024 19:03 | AR\AJ | Ok,M |
| 25 | P4680-05    | PS028275.D | 06 Nov 2024 19:27 | AR\AJ | Ok,M |
| 26 | P4695-01    | PS028276.D | 06 Nov 2024 19:51 | AR\AJ | Ok,M |
| 27 | P4693-01    | PS028277.D | 06 Nov 2024 20:15 | AR\AJ | Ok,M |
| 28 | P4693-05    | PS028278.D | 06 Nov 2024 20:39 | AR\AJ | Ok,M |
| 29 | P4711-01    | PS028279.D | 06 Nov 2024 21:03 | AR\AJ | Ok,M |
| 30 | P4711-06    | PS028280.D | 06 Nov 2024 21:27 | AR\AJ | Ok,M |
| 31 | P4719-01    | PS028281.D | 06 Nov 2024 21:51 | AR\AJ | Ok,M |
| 32 | PB164703BL  | PS028282.D | 06 Nov 2024 22:15 | AR\AJ | Ok,M |
| 33 | I.BLK       | PS028283.D | 06 Nov 2024 22:39 | AR\AJ | Ok,M |
| 34 | HSTDCCC750  | PS028284.D | 06 Nov 2024 23:03 | AR\AJ | Ok,M |
| 35 | PB164703BS  | PS028285.D | 06 Nov 2024 23:51 | AR\AJ | Ok   |
| 36 | PB164494BS  | PS028286.D | 07 Nov 2024 00:15 | AR\AJ | Ok,M |
| 37 | PB164494BSD | PS028287.D | 07 Nov 2024 00:39 | AR\AJ | Ok,M |
| 38 | PB164578BS  | PS028288.D | 07 Nov 2024 01:04 | AR\AJ | Ok,M |
| 39 | P4694-01    | PS028289.D | 07 Nov 2024 01:28 | AR\AJ | Ok,M |
| 40 | P4694-05    | PS028290.D | 07 Nov 2024 01:52 | AR\AJ | Ok,M |
| 41 | P4578-06MS  | PS028291.D | 07 Nov 2024 02:16 | AR\AJ | Ok,M |
| 42 | P4578-06MSD | PS028292.D | 07 Nov 2024 02:40 | AR\AJ | Ok,M |
| 43 | P4578-08    | PS028293.D | 07 Nov 2024 03:04 | AR\AJ | Ok,M |
| 44 | PB164559BL  | PS028294.D | 07 Nov 2024 03:28 | AR\AJ | Ok,M |

Instrument ID: ECD\_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS110624

| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 45 | PB164559BS  | PS028295.D | 07 Nov 2024 03:52 | AR\AJ | Ok,M |
| 46 | I.BLK       | PS028296.D | 07 Nov 2024 04:16 | AR\AJ | Ok   |
| 47 | HSTDCCC750  | PS028297.D | 07 Nov 2024 04:40 | AR\AJ | Ok,M |
| 48 | P4601-19    | PS028298.D | 07 Nov 2024 05:28 | AR\AJ | Ok,M |
| 49 | P4601-20    | PS028299.D | 07 Nov 2024 05:52 | AR\AJ | Ok,M |
| 50 | P4601-21    | PS028300.D | 07 Nov 2024 06:16 | AR\AJ | Ok,M |
| 51 | P4601-22    | PS028301.D | 07 Nov 2024 06:40 | AR\AJ | Ok,M |
| 52 | P4601-23    | PS028302.D | 07 Nov 2024 07:04 | AR\AJ | Ok,M |
| 53 | P4601-24    | PS028303.D | 07 Nov 2024 07:28 | AR\AJ | Ok,M |
| 54 | P4601-25    | PS028304.D | 07 Nov 2024 07:52 | AR\AJ | Ok,M |
| 55 | P4601-26    | PS028305.D | 07 Nov 2024 08:16 | AR\AJ | Ok,M |
| 56 | P4601-27    | PS028306.D | 07 Nov 2024 08:40 | AR\AJ | Ok,M |
| 57 | P4601-28    | PS028307.D | 07 Nov 2024 09:04 | AR\AJ | Ok,M |
| 58 | I.BLK       | PS028308.D | 07 Nov 2024 09:28 | AR\AJ | Ok   |
| 59 | HSTDCCC750  | PS028309.D | 07 Nov 2024 09:52 | AR\AJ | Ok,M |
| 60 | P4660-03    | PS028310.D | 07 Nov 2024 10:16 | AR\AJ | Ok   |
| 61 | P4660-07    | PS028311.D | 07 Nov 2024 10:40 | AR\AJ | Ok,M |
| 62 | P4660-11    | PS028312.D | 07 Nov 2024 11:04 | AR\AJ | Ok,M |
| 63 | P4660-03MS  | PS028313.D | 07 Nov 2024 11:28 | AR\AJ | Ok,M |
| 64 | P4660-03MSD | PS028314.D | 07 Nov 2024 11:52 | AR\AJ | Ok,M |
| 65 | PB164752BL  | PS028315.D | 07 Nov 2024 12:16 | AR\AJ | Ok,M |
| 66 | PB164752BS  | PS028316.D | 07 Nov 2024 12:40 | AR\AJ | Ok   |
| 67 | PB164560TB  | PS028317.D | 07 Nov 2024 13:04 | AR\AJ | Ok,M |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 68 | P4368-07    | PS028318.D | 07 Nov 2024 13:28 | AR\AJ | Ok,M   |
| 69 | I.BLK       | PS028319.D | 07 Nov 2024 13:52 | AR\AJ | Ok     |
| 70 | HSTDCCC750  | PS028320.D | 07 Nov 2024 14:16 | AR\AJ | Ok,M   |
| 71 | P4601-29    | PS028321.D | 07 Nov 2024 14:40 | AR\AJ | Not Ok |
| 72 | P4601-30    | PS028322.D | 07 Nov 2024 15:05 | AR\AJ | Not Ok |
| 73 | P4601-31    | PS028323.D | 07 Nov 2024 15:29 | AR\AJ | Not Ok |
| 74 | P4601-32    | PS028324.D | 07 Nov 2024 15:53 | AR\AJ | Not Ok |
| 75 | P4601-33    | PS028325.D | 07 Nov 2024 16:17 | AR\AJ | Not Ok |
| 76 | P4601-34    | PS028326.D | 07 Nov 2024 16:41 | AR\AJ | Not Ok |
| 77 | P4601-35    | PS028327.D | 07 Nov 2024 17:05 | AR\AJ | Not Ok |
| 78 | P4601-36    | PS028328.D | 07 Nov 2024 17:29 | AR\AJ | Not Ok |
| 79 | P4601-37MS  | PS028329.D | 07 Nov 2024 17:53 | AR\AJ | Not Ok |
| 80 | P4601-37MSD | PS028330.D | 07 Nov 2024 18:17 | AR\AJ | Not Ok |
| 81 | I.BLK       | PS028331.D | 07 Nov 2024 18:41 | AR\AJ | Not Ok |
| 82 | HSTDCCC750  | PS028332.D | 07 Nov 2024 19:05 | AR\AJ | Not Ok |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110924**

|                                                                    |                                                                        |                   |                                    |
|--------------------------------------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | Abdul                                                                  | Review On         | 11/11/2024 5:07:36 PM              |
| Supervise By                                                       | Ankita                                                                 | Supervise On      | 11/12/2024 8:59:40 AM              |
| SubDirectory                                                       | PS110924                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP23462                                                                |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23469                                                                |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PS028354.D     | 08 Nov 2024 14:00 | AR\AJ    | Ok     |
| 2   | I.BLK       | PS028355.D     | 08 Nov 2024 14:25 | AR\AJ    | Ok     |
| 3   | HSTDICC200  | PS028356.D     | 08 Nov 2024 15:13 | AR\AJ    | Ok     |
| 4   | HSTDICC500  | PS028357.D     | 08 Nov 2024 15:46 | AR\AJ    | Ok,M   |
| 5   | HSTDICC750  | PS028358.D     | 08 Nov 2024 16:10 | AR\AJ    | Ok     |
| 6   | HSTDICC1000 | PS028359.D     | 08 Nov 2024 16:34 | AR\AJ    | Ok     |
| 7   | HSTDICC1500 | PS028360.D     | 08 Nov 2024 16:58 | AR\AJ    | Ok     |
| 8   | HSTDICV750  | PS028361.D     | 08 Nov 2024 17:22 | AR\AJ    | Ok     |
| 9   | I.BLK       | PS028362.D     | 08 Nov 2024 17:46 | AR\AJ    | Ok,M   |
| 10  | HSTDCCC750  | PS028363.D     | 08 Nov 2024 18:10 | AR\AJ    | Ok     |
| 11  | P4700-01    | PS028364.D     | 08 Nov 2024 18:34 | AR\AJ    | Ok,M   |
| 12  | P4701-01    | PS028365.D     | 08 Nov 2024 18:58 | AR\AJ    | Ok,M   |
| 13  | P4701-05    | PS028366.D     | 08 Nov 2024 19:22 | AR\AJ    | Ok     |
| 14  | PB164754BL  | PS028367.D     | 08 Nov 2024 19:46 | AR\AJ    | Ok     |
| 15  | PB164754BS  | PS028368.D     | 08 Nov 2024 20:10 | AR\AJ    | Ok,M   |
| 16  | P4722-03    | PS028369.D     | 08 Nov 2024 20:34 | AR\AJ    | Not Ok |
| 17  | P4722-08    | PS028370.D     | 08 Nov 2024 20:58 | AR\AJ    | Ok,M   |
| 18  | P4722-13    | PS028371.D     | 08 Nov 2024 21:22 | AR\AJ    | Not Ok |
| 19  | P4739-01    | PS028372.D     | 08 Nov 2024 21:46 | AR\AJ    | Ok,M   |
| 20  | P4739-01MS  | PS028373.D     | 08 Nov 2024 22:10 | AR\AJ    | Ok,M   |
| 21  | P4739-01MSD | PS028374.D     | 08 Nov 2024 22:34 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110924**

| Review By                               | Abdul                                                                  | Review On         | 11/11/2024 5:07:36 PM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 8:59:40 AM              |
| SubDirectory                            | PS110924                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | P4739-05    | PS028375.D | 08 Nov 2024 22:58 | AR\AJ | Ok     |
| 23 | P4739-09    | PS028376.D | 08 Nov 2024 23:22 | AR\AJ | Ok,M   |
| 24 | P4739-13    | PS028377.D | 08 Nov 2024 23:46 | AR\AJ | Ok,M   |
| 25 | I.BLK       | PS028378.D | 09 Nov 2024 00:10 | AR\AJ | Ok     |
| 26 | HSTDCCC750  | PS028379.D | 09 Nov 2024 00:34 | AR\AJ | Ok     |
| 27 | P4601-24RE  | PS028380.D | 09 Nov 2024 00:58 | AR\AJ | Not Ok |
| 28 | P4601-25RE  | PS028381.D | 09 Nov 2024 01:22 | AR\AJ | Not Ok |
| 29 | P4601-26RE  | PS028382.D | 09 Nov 2024 01:46 | AR\AJ | Not Ok |
| 30 | P4602-43    | PS028383.D | 09 Nov 2024 02:10 | AR\AJ | Not Ok |
| 31 | P4602-44MS  | PS028384.D | 09 Nov 2024 02:34 | AR\AJ | Not Ok |
| 32 | P4602-45MSD | PS028385.D | 09 Nov 2024 02:58 | AR\AJ | Not Ok |
| 33 | P4602-40    | PS028386.D | 09 Nov 2024 03:22 | AR\AJ | Not Ok |
| 34 | P4602-41MS  | PS028387.D | 09 Nov 2024 03:46 | AR\AJ | Not Ok |
| 35 | P4602-42MSD | PS028388.D | 09 Nov 2024 04:10 | AR\AJ | Not Ok |
| 36 | PB164393TB  | PS028389.D | 09 Nov 2024 04:34 | AR\AJ | Not Ok |
| 37 | I.BLK       | PS028390.D | 09 Nov 2024 04:58 | AR\AJ | Not Ok |
| 38 | HSTDCCC750  | PS028391.D | 09 Nov 2024 05:22 | AR\AJ | Not Ok |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

|                                                                    |                                                                        |                   |                                    |
|--------------------------------------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | yogesh                                                                 | Review On         | 11/12/2024 5:16:17 AM              |
| Supervise By                                                       | Ankita                                                                 | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory                                                       | PS111124                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP23462                                                                |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23469                                                                |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | HEXANE      | PS028392.D     | 11 Nov 2024 10:00 | AR\AJ    | Ok     |
| 2   | I.BLK       | PS028393.D     | 11 Nov 2024 10:24 | AR\AJ    | Ok     |
| 3   | HSTDCCC750  | PS028394.D     | 11 Nov 2024 10:48 | AR\AJ    | Ok,M   |
| 4   | P4601-29    | PS028395.D     | 11 Nov 2024 12:05 | AR\AJ    | Ok     |
| 5   | P4601-30    | PS028396.D     | 11 Nov 2024 12:29 | AR\AJ    | Ok     |
| 6   | P4601-31    | PS028397.D     | 11 Nov 2024 12:56 | AR\AJ    | Ok     |
| 7   | P4601-32    | PS028398.D     | 11 Nov 2024 13:20 | AR\AJ    | Ok     |
| 8   | P4601-33    | PS028399.D     | 11 Nov 2024 13:44 | AR\AJ    | Ok,M   |
| 9   | P4601-34    | PS028400.D     | 11 Nov 2024 14:08 | AR\AJ    | Ok,M   |
| 10  | P4601-35    | PS028401.D     | 11 Nov 2024 14:32 | AR\AJ    | Ok,M   |
| 11  | P4601-36    | PS028402.D     | 11 Nov 2024 14:57 | AR\AJ    | Ok,M   |
| 12  | P4601-37MS  | PS028403.D     | 11 Nov 2024 15:21 | AR\AJ    | Ok,M   |
| 13  | P4601-38MSD | PS028404.D     | 11 Nov 2024 15:45 | AR\AJ    | Ok,M   |
| 14  | I.BLK       | PS028405.D     | 11 Nov 2024 16:09 | AR\AJ    | Ok     |
| 15  | HSTDCCC750  | PS028406.D     | 11 Nov 2024 16:33 | AR\AJ    | Ok,M   |
| 16  | P4602-43    | PS028407.D     | 11 Nov 2024 16:57 | AR\AJ    | Ok     |
| 17  | P4602-44MS  | PS028408.D     | 11 Nov 2024 17:21 | AR\AJ    | Ok,M   |
| 18  | P4602-45MSD | PS028409.D     | 11 Nov 2024 17:45 | AR\AJ    | Ok,M   |
| 19  | P4602-40    | PS028410.D     | 11 Nov 2024 18:10 | AR\AJ    | Ok     |
| 20  | P4602-41MS  | PS028411.D     | 11 Nov 2024 18:34 | AR\AJ    | Ok,M   |
| 21  | P4602-42MSD | PS028412.D     | 11 Nov 2024 18:58 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS111124

| Review By                               | yogesh                                                                 | Review On         | 11/12/2024 5:16:17 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory                            | PS111124                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | PB164393TB | PS028413.D | 11 Nov 2024 19:22 | AR\AJ | Ok     |
| 23 | PB164725BL | PS028414.D | 11 Nov 2024 19:46 | AR\AJ | Ok     |
| 24 | PB164725BS | PS028415.D | 11 Nov 2024 20:10 | AR\AJ | Ok,M   |
| 25 | P4602-19   | PS028416.D | 11 Nov 2024 20:34 | AR\AJ | Ok,M   |
| 26 | I.BLK      | PS028417.D | 11 Nov 2024 20:58 | AR\AJ | Ok     |
| 27 | HSTDCCC750 | PS028418.D | 11 Nov 2024 21:22 | AR\AJ | Ok,M   |
| 28 | P4602-21   | PS028419.D | 11 Nov 2024 21:46 | AR\AJ | Ok,M   |
| 29 | P4602-22   | PS028420.D | 11 Nov 2024 22:10 | AR\AJ | Ok,M   |
| 30 | P4602-23   | PS028421.D | 11 Nov 2024 22:34 | AR\AJ | Ok     |
| 31 | P4602-24   | PS028422.D | 11 Nov 2024 22:58 | AR\AJ | Ok,M   |
| 32 | P4602-25   | PS028423.D | 11 Nov 2024 23:22 | AR\AJ | Ok,M   |
| 33 | P4602-26   | PS028424.D | 11 Nov 2024 23:46 | AR\AJ | Ok,M   |
| 34 | P4602-27   | PS028425.D | 12 Nov 2024 00:10 | AR\AJ | Ok,M   |
| 35 | P4602-28   | PS028426.D | 12 Nov 2024 00:34 | AR\AJ | Not Ok |
| 36 | P4602-29   | PS028427.D | 12 Nov 2024 00:58 | AR\AJ | Ok,M   |
| 37 | P4602-30   | PS028428.D | 12 Nov 2024 01:23 | AR\AJ | Ok,M   |
| 38 | I.BLK      | PS028429.D | 12 Nov 2024 01:47 | AR\AJ | Ok     |
| 39 | HSTDCCC750 | PS028430.D | 12 Nov 2024 02:11 | AR\AJ | Ok     |
| 40 | P4602-33   | PS028431.D | 12 Nov 2024 02:35 | AR\AJ | Ok,M   |
| 41 | P4602-34   | PS028432.D | 12 Nov 2024 02:59 | AR\AJ | Ok,M   |
| 42 | P4602-31   | PS028433.D | 12 Nov 2024 03:23 | AR\AJ | Ok,M   |
| 43 | P4602-32   | PS028434.D | 12 Nov 2024 03:47 | AR\AJ | Ok,M   |
| 44 | P4602-37   | PS028435.D | 12 Nov 2024 04:11 | AR\AJ | Ok,M   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

| Review By                               | yogesh                                                                 | Review On         | 11/12/2024 5:16:17 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory                            | PS111124                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 45 | P4602-38MS  | PS028436.D | 12 Nov 2024 04:35 | AR\AJ | Ok,M |
| 46 | P4602-39MSD | PS028437.D | 12 Nov 2024 04:59 | AR\AJ | Ok,M |
| 47 | P4722-03    | PS028438.D | 12 Nov 2024 05:23 | AR\AJ | Ok   |
| 48 | P4722-13    | PS028439.D | 12 Nov 2024 05:47 | AR\AJ | Ok   |
| 49 | P4738-02    | PS028440.D | 12 Nov 2024 06:11 | AR\AJ | Ok   |
| 50 | I.BLK       | PS028441.D | 12 Nov 2024 06:35 | AR\AJ | Ok   |
| 51 | HSTDCCC750  | PS028442.D | 12 Nov 2024 06:59 | AR\AJ | Ok,M |
| 52 | P4789-01    | PS028443.D | 12 Nov 2024 07:23 | AR\AJ | Ok   |
| 53 | P4792-03    | PS028444.D | 12 Nov 2024 07:47 | AR\AJ | Ok   |
| 54 | P4738-02    | PS028445.D | 12 Nov 2024 08:11 | AR\AJ | Ok   |
| 55 | P4602-28    | PS028446.D | 12 Nov 2024 09:04 | AR\AJ | Ok,M |
| 56 | I.BLK       | PS028447.D | 12 Nov 2024 09:28 | AR\AJ | Ok   |
| 57 | HSTDCCC750  | PS028448.D | 12 Nov 2024 09:52 | AR\AJ | Ok,M |

M : Manual Integration



Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 11/8/2024 11:03:42 AM              |
| Supervise By | Ankita   | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory | PS110624 | HP Acquire Method | HP Processing Method ps110624 8151 |

| STD. NAME                               | STD REF.#                                                              |
|-----------------------------------------|------------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |
| CCC                                     | PP23462                                                                |
| Internal Standard/PEM                   |                                                                        |
| ICV/I.BLK                               | PP23469                                                                |
| Surrogate Standard                      |                                                                        |
| MS/MSD Standard                         |                                                                        |
| LCS Standard                            |                                                                        |

| Sr# | SampleID    | ClientID       | Data File Name | Date-Time         | Comment        | Operator | Status   |
|-----|-------------|----------------|----------------|-------------------|----------------|----------|----------|
| 1   | HEXANE      | HEXANE         | PS028251.D     | 06 Nov 2024 09:00 |                | AR\AJ    | Ok       |
| 2   | I.BLK       | I.BLK          | PS028252.D     | 06 Nov 2024 09:24 |                | AR\AJ    | Ok       |
| 3   | HSTDICC200  | HSTDICC200     | PS028253.D     | 06 Nov 2024 09:48 |                | AR\AJ    | Ok       |
| 4   | HSTDICC500  | HSTDICC500     | PS028254.D     | 06 Nov 2024 10:12 |                | AR\AJ    | Ok,M     |
| 5   | HSTDICC750  | HSTDICC750     | PS028255.D     | 06 Nov 2024 10:36 |                | AR\AJ    | Ok       |
| 6   | HSTDICC1000 | HSTDICC1000    | PS028256.D     | 06 Nov 2024 11:00 |                | AR\AJ    | Ok,M     |
| 7   | HSTDICC1500 | HSTDICC1500    | PS028257.D     | 06 Nov 2024 11:24 |                | AR\AJ    | Ok       |
| 8   | HSTDICV750  | ICVPS110624    | PS028258.D     | 06 Nov 2024 11:48 |                | AR\AJ    | Ok,M     |
| 9   | I.BLK       | I.BLK          | PS028259.D     | 06 Nov 2024 12:14 |                | AR\AJ    | Ok       |
| 10  | HSTDCCC750  | HSTDCCC750     | PS028260.D     | 06 Nov 2024 12:38 |                | AR\AJ    | Ok       |
| 11  | P4643-09RE  | TP-9RE         | PS028261.D     | 06 Nov 2024 13:02 | Surrogate fail | AR\AJ    | Confirms |
| 12  | PB164519BL  | PB164519BL     | PS028262.D     | 06 Nov 2024 13:26 |                | AR\AJ    | Ok,M     |
| 13  | PB164519BS  | PB164519BS     | PS028263.D     | 06 Nov 2024 13:50 |                | AR\AJ    | Ok       |
| 14  | PB164393TB  | PB164393TB     | PS028264.D     | 06 Nov 2024 14:14 | Surrogate Fail | AR\AJ    | Not Ok   |
| 15  | P4578-06    | WB-305-BOT     | PS028265.D     | 06 Nov 2024 15:23 |                | AR\AJ    | Ok,M     |
| 16  | P4682-01    | BELL-SHOP-RAGS | PS028266.D     | 06 Nov 2024 15:50 |                | AR\AJ    | Ok,M     |
| 17  | P4667-01    | BP-F-6         | PS028267.D     | 06 Nov 2024 16:14 |                | AR\AJ    | Ok,M     |
| 18  | P4667-05    | BP-F-5         | PS028268.D     | 06 Nov 2024 16:39 |                | AR\AJ    | Ok,M     |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   | PP23469                                                                |                   |                                    |
| ICV/I.BLK                               |                                                                        |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |                  |            |                   |       |      |
|----|-------------|------------------|------------|-------------------|-------|------|
| 19 | P4667-09    | TP-10            | PS028269.D | 06 Nov 2024 17:03 | AR\AJ | Ok,M |
| 20 | P4667-13    | BP-F-7           | PS028270.D | 06 Nov 2024 17:27 | AR\AJ | Ok,M |
| 21 | I.BLK       | I.BLK            | PS028271.D | 06 Nov 2024 17:51 | AR\AJ | Ok,M |
| 22 | HSTDCCC750  | HSTDCCC750       | PS028272.D | 06 Nov 2024 18:15 | AR\AJ | Ok,M |
| 23 | P4679-01    | MH-1             | PS028273.D | 06 Nov 2024 18:39 | AR\AJ | Ok,M |
| 24 | P4680-01    | BP-F26           | PS028274.D | 06 Nov 2024 19:03 | AR\AJ | Ok,M |
| 25 | P4680-05    | BP-F25           | PS028275.D | 06 Nov 2024 19:27 | AR\AJ | Ok,M |
| 26 | P4695-01    | Z-01             | PS028276.D | 06 Nov 2024 19:51 | AR\AJ | Ok,M |
| 27 | P4693-01    | BP-G5-WC         | PS028277.D | 06 Nov 2024 20:15 | AR\AJ | Ok,M |
| 28 | P4693-05    | BP-G4-WC         | PS028278.D | 06 Nov 2024 20:39 | AR\AJ | Ok,M |
| 29 | P4711-01    | CF-613-COMP-16   | PS028279.D | 06 Nov 2024 21:03 | AR\AJ | Ok,M |
| 30 | P4711-06    | CF-613-COMP-17   | PS028280.D | 06 Nov 2024 21:27 | AR\AJ | Ok,M |
| 31 | P4719-01    | BAYAVE-STOCKPILE | PS028281.D | 06 Nov 2024 21:51 | AR\AJ | Ok,M |
| 32 | PB164703BL  | PB164703BL       | PS028282.D | 06 Nov 2024 22:15 | AR\AJ | Ok,M |
| 33 | I.BLK       | I.BLK            | PS028283.D | 06 Nov 2024 22:39 | AR\AJ | Ok,M |
| 34 | HSTDCCC750  | HSTDCCC750       | PS028284.D | 06 Nov 2024 23:03 | AR\AJ | Ok,M |
| 35 | PB164703BS  | PB164703BS       | PS028285.D | 06 Nov 2024 23:51 | AR\AJ | Ok   |
| 36 | PB164494BS  | PB164494BS       | PS028286.D | 07 Nov 2024 00:15 | AR\AJ | Ok,M |
| 37 | PB164494BSD | PB164494BSD      | PS028287.D | 07 Nov 2024 00:39 | AR\AJ | Ok,M |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

|                                         |                                                                        |                   |                                    |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |               |            |                   |                             |       |      |
|----|-------------|---------------|------------|-------------------|-----------------------------|-------|------|
| 38 | PB164578BS  | PB164578BS    | PS028288.D | 07 Nov 2024 01:04 |                             | AR\AJ | Ok,M |
| 39 | P4694-01    | Z-03A         | PS028289.D | 07 Nov 2024 01:28 |                             | AR\AJ | Ok,M |
| 40 | P4694-05    | Z-04          | PS028290.D | 07 Nov 2024 01:52 |                             | AR\AJ | Ok,M |
| 41 | P4578-06MS  | WB-305-BOTMS  | PS028291.D | 07 Nov 2024 02:16 | Some compound recovery fail | AR\AJ | Ok,M |
| 42 | P4578-06MSD | WB-305-BOTMSD | PS028292.D | 07 Nov 2024 02:40 | Some compound recovery fail | AR\AJ | Ok,M |
| 43 | P4578-08    | WB-305-BOT-1  | PS028293.D | 07 Nov 2024 03:04 |                             | AR\AJ | Ok,M |
| 44 | PB164559BL  | PB164559BL    | PS028294.D | 07 Nov 2024 03:28 |                             | AR\AJ | Ok,M |
| 45 | PB164559BS  | PB164559BS    | PS028295.D | 07 Nov 2024 03:52 |                             | AR\AJ | Ok,M |
| 46 | I.BLK       | I.BLK         | PS028296.D | 07 Nov 2024 04:16 |                             | AR\AJ | Ok   |
| 47 | HSTDCCC750  | HSTDCCC750    | PS028297.D | 07 Nov 2024 04:40 |                             | AR\AJ | Ok,M |
| 48 | P4601-19    | C0PI0         | PS028298.D | 07 Nov 2024 05:28 |                             | AR\AJ | Ok,M |
| 49 | P4601-20    | C0PI2         | PS028299.D | 07 Nov 2024 05:52 |                             | AR\AJ | Ok,M |
| 50 | P4601-21    | C0PI6         | PS028300.D | 07 Nov 2024 06:16 |                             | AR\AJ | Ok,M |
| 51 | P4601-22    | C0PI8         | PS028301.D | 07 Nov 2024 06:40 |                             | AR\AJ | Ok,M |
| 52 | P4601-23    | C0PI9         | PS028302.D | 07 Nov 2024 07:04 |                             | AR\AJ | Ok,M |
| 53 | P4601-24    | CC0P1         | PS028303.D | 07 Nov 2024 07:28 |                             | AR\AJ | Ok,M |
| 54 | P4601-25    | CC0P3         | PS028304.D | 07 Nov 2024 07:52 |                             | AR\AJ | Ok,M |
| 55 | P4601-26    | CC0P5         | PS028305.D | 07 Nov 2024 08:16 |                             | AR\AJ | Ok,M |
| 56 | P4601-27    | CC0P7         | PS028306.D | 07 Nov 2024 08:40 |                             | AR\AJ | Ok,M |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

|                                         |                                                                        |                   |                                    |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |                    |            |                   |                  |       |        |
|----|-------------|--------------------|------------|-------------------|------------------|-------|--------|
| 57 | P4601-28    | CC0P9              | PS028307.D | 07 Nov 2024 09:04 |                  | AR\AJ | Ok,M   |
| 58 | I.BLK       | I.BLK              | PS028308.D | 07 Nov 2024 09:28 |                  | AR\AJ | Ok     |
| 59 | HSTDCCC750  | HSTDCCC750         | PS028309.D | 07 Nov 2024 09:52 |                  | AR\AJ | Ok,M   |
| 60 | P4660-03    | WC-TA2-01-C        | PS028310.D | 07 Nov 2024 10:16 |                  | AR\AJ | Ok     |
| 61 | P4660-07    | WC-WOOD-01-C       | PS028311.D | 07 Nov 2024 10:40 |                  | AR\AJ | Ok,M   |
| 62 | P4660-11    | WC-CONCRETE-01-C   | PS028312.D | 07 Nov 2024 11:04 |                  | AR\AJ | Ok,M   |
| 63 | P4660-03MS  | WC-TA2-01-CMS      | PS028313.D | 07 Nov 2024 11:28 |                  | AR\AJ | Ok,M   |
| 64 | P4660-03MSD | WC-TA2-01-CMSD     | PS028314.D | 07 Nov 2024 11:52 |                  | AR\AJ | Ok,M   |
| 65 | PB164752BL  | PB164752BL         | PS028315.D | 07 Nov 2024 12:16 |                  | AR\AJ | Ok,M   |
| 66 | PB164752BS  | PB164752BS         | PS028316.D | 07 Nov 2024 12:40 |                  | AR\AJ | Ok     |
| 67 | PB164560TB  | PB164560TB         | PS028317.D | 07 Nov 2024 13:04 |                  | AR\AJ | Ok,M   |
| 68 | P4368-07    | LOD-MDL-WATER-01-C | PS028318.D | 07 Nov 2024 13:28 |                  | AR\AJ | Ok,M   |
| 69 | I.BLK       | I.BLK              | PS028319.D | 07 Nov 2024 13:52 |                  | AR\AJ | Ok     |
| 70 | HSTDCCC750  | HSTDCCC750         | PS028320.D | 07 Nov 2024 14:16 |                  | AR\AJ | Ok,M   |
| 71 | P4601-29    | CC0Q1              | PS028321.D | 07 Nov 2024 14:40 | Closing CCC Fail | AR\AJ | Not Ok |
| 72 | P4601-30    | CC0Q6              | PS028322.D | 07 Nov 2024 15:05 | Closing CCC Fail | AR\AJ | Not Ok |
| 73 | P4601-31    | CC0Q8              | PS028323.D | 07 Nov 2024 15:29 | Closing CCC Fail | AR\AJ | Not Ok |
| 74 | P4601-32    | CC0R3              | PS028324.D | 07 Nov 2024 15:53 | Closing CCC Fail | AR\AJ | Not Ok |
| 75 | P4601-33    | CC0R4              | PS028325.D | 07 Nov 2024 16:17 | Closing CCC Fail | AR\AJ | Not Ok |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110624**

| Review By                               | Abdul                                                                  | Review On         | 11/8/2024 11:03:42 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/8/2024 11:06:06 AM              |
| SubDirectory                            | PS110624                                                               | HP Acquire Method | HP Processing Method ps110624 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |            |                   |                  |       |        |
|----|-------------|------------|------------|-------------------|------------------|-------|--------|
| 76 | P4601-34    | CC0R5      | PS028326.D | 07 Nov 2024 16:41 | Closing CCC Fail | AR\AJ | Not Ok |
| 77 | P4601-35    | CC0R6      | PS028327.D | 07 Nov 2024 17:05 | Closing CCC Fail | AR\AJ | Not Ok |
| 78 | P4601-36    | CC0R7      | PS028328.D | 07 Nov 2024 17:29 | Closing CCC Fail | AR\AJ | Not Ok |
| 79 | P4601-37MS  | CC0R7MS    | PS028329.D | 07 Nov 2024 17:53 | Closing CCC Fail | AR\AJ | Not Ok |
| 80 | P4601-37MSD | CC0R7MSD   | PS028330.D | 07 Nov 2024 18:17 | Closing CCC Fail | AR\AJ | Not Ok |
| 81 | I.BLK       | I.BLK      | PS028331.D | 07 Nov 2024 18:41 | Closing CCC Fail | AR\AJ | Not Ok |
| 82 | HSTDCCC750  | HSTDCCC750 | PS028332.D | 07 Nov 2024 19:05 | CCC Fail         | AR\AJ | Not Ok |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110924**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 11/11/2024 5:07:36 PM              |
| Supervise By | Ankita   | Supervise On      | 11/12/2024 8:59:40 AM              |
| SubDirectory | PS110924 | HP Acquire Method | HP Processing Method ps110924 8151 |

| STD. NAME                               | STD REF.#                                                              |
|-----------------------------------------|------------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |
| CCC                                     | PP23462                                                                |
| Internal Standard/PEM                   |                                                                        |
| ICV/I.BLK                               | PP23469                                                                |
| Surrogate Standard                      |                                                                        |
| MS/MSD Standard                         |                                                                        |
| LCS Standard                            |                                                                        |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                     | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|-----------------------------|----------|--------|
| 1   | HEXANE      | HEXANE      | PS028354.D     | 08 Nov 2024 14:00 |                             | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK       | PS028355.D     | 08 Nov 2024 14:25 |                             | AR\AJ    | Ok     |
| 3   | HSTDICC200  | HSTDICC200  | PS028356.D     | 08 Nov 2024 15:13 |                             | AR\AJ    | Ok     |
| 4   | HSTDICC500  | HSTDICC500  | PS028357.D     | 08 Nov 2024 15:46 |                             | AR\AJ    | Ok,M   |
| 5   | HSTDICC750  | HSTDICC750  | PS028358.D     | 08 Nov 2024 16:10 |                             | AR\AJ    | Ok     |
| 6   | HSTDICC1000 | HSTDICC1000 | PS028359.D     | 08 Nov 2024 16:34 |                             | AR\AJ    | Ok     |
| 7   | HSTDICC1500 | HSTDICC1500 | PS028360.D     | 08 Nov 2024 16:58 |                             | AR\AJ    | Ok     |
| 8   | HSTDICV750  | ICVPS110924 | PS028361.D     | 08 Nov 2024 17:22 |                             | AR\AJ    | Ok     |
| 9   | I.BLK       | I.BLK       | PS028362.D     | 08 Nov 2024 17:46 |                             | AR\AJ    | Ok,M   |
| 10  | HSTDCCC750  | HSTDCCC750  | PS028363.D     | 08 Nov 2024 18:10 |                             | AR\AJ    | Ok     |
| 11  | P4700-01    | MH-8        | PS028364.D     | 08 Nov 2024 18:34 |                             | AR\AJ    | Ok,M   |
| 12  | P4701-01    | BP-F3       | PS028365.D     | 08 Nov 2024 18:58 |                             | AR\AJ    | Ok,M   |
| 13  | P4701-05    | BP-F4       | PS028366.D     | 08 Nov 2024 19:22 |                             | AR\AJ    | Ok     |
| 14  | PB164754BL  | PB164754BL  | PS028367.D     | 08 Nov 2024 19:46 |                             | AR\AJ    | Ok     |
| 15  | PB164754BS  | PB164754BS  | PS028368.D     | 08 Nov 2024 20:10 |                             | AR\AJ    | Ok,M   |
| 16  | P4722-03    | WC-1(0-6)   | PS028369.D     | 08 Nov 2024 20:34 | 2,4-DCAA low in both column | AR\AJ    | Not Ok |
| 17  | P4722-08    | WC-2(0-6)   | PS028370.D     | 08 Nov 2024 20:58 |                             | AR\AJ    | Ok,M   |
| 18  | P4722-13    | WC-3(0-6)   | PS028371.D     | 08 Nov 2024 21:22 | 2,4-DCAA Low in both column | AR\AJ    | Not Ok |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110924**

| Review By                               | Abdul                                                                  | Review On         | 11/11/2024 5:07:36 PM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 8:59:40 AM              |
| SubDirectory                            | PS110924                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   | PP23469                                                                |                   |                                    |
| ICV/I.BLK                               |                                                                        |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |            |            |                   |                                                            |       |        |
|----|-------------|------------|------------|-------------------|------------------------------------------------------------|-------|--------|
| 19 | P4739-01    | TP-14      | PS028372.D | 08 Nov 2024 21:46 |                                                            | AR\AJ | Ok,M   |
| 20 | P4739-01MS  | TP-14MS    | PS028373.D | 08 Nov 2024 22:10 | Some compound recovery fail                                | AR\AJ | Ok,M   |
| 21 | P4739-01MSD | TP-14MSD   | PS028374.D | 08 Nov 2024 22:34 | Some compound recovery fail                                | AR\AJ | Ok,M   |
| 22 | P4739-05    | BP-G2      | PS028375.D | 08 Nov 2024 22:58 |                                                            | AR\AJ | Ok     |
| 23 | P4739-09    | BP-B2      | PS028376.D | 08 Nov 2024 23:22 |                                                            | AR\AJ | Ok,M   |
| 24 | P4739-13    | TP-11      | PS028377.D | 08 Nov 2024 23:46 |                                                            | AR\AJ | Ok,M   |
| 25 | I.BLK       | I.BLK      | PS028378.D | 09 Nov 2024 00:10 |                                                            | AR\AJ | Ok     |
| 26 | HSTDCCC750  | HSTDCCC750 | PS028379.D | 09 Nov 2024 00:34 |                                                            | AR\AJ | Ok     |
| 27 | P4601-24RE  | CC0P1RE    | PS028380.D | 09 Nov 2024 00:58 | Closing CCC fail,                                          | AR\AJ | Not Ok |
| 28 | P4601-25RE  | CC0P3RE    | PS028381.D | 09 Nov 2024 01:22 | Closing CCC fail,                                          | AR\AJ | Not Ok |
| 29 | P4601-26RE  | CC0P5RE    | PS028382.D | 09 Nov 2024 01:46 | Closing CCC fail,                                          | AR\AJ | Not Ok |
| 30 | P4602-43    | CC0R8      | PS028383.D | 09 Nov 2024 02:10 | , Closing CCC fail                                         | AR\AJ | Not Ok |
| 31 | P4602-44MS  | CC0R8MS    | PS028384.D | 09 Nov 2024 02:34 | Some compound recovery fail,<br>Closing CCC fail           | AR\AJ | Not Ok |
| 32 | P4602-45MSD | CC0R8MSD   | PS028385.D | 09 Nov 2024 02:58 | Some compound recovery fail,<br>Closing CCC fail           | AR\AJ | Not Ok |
| 33 | P4602-40    | CC0R6      | PS028386.D | 09 Nov 2024 03:22 | Closing CCC fail                                           | AR\AJ | Not Ok |
| 34 | P4602-41MS  | CC0R6MS    | PS028387.D | 09 Nov 2024 03:46 | Some compound recovery fail,<br>Closing CCC fail           | AR\AJ | Not Ok |
| 35 | P4602-42MSD | CC0R6MSD   | PS028388.D | 09 Nov 2024 04:10 | Some compound recovery fail,<br>RPD fail, Closing CCC fail | AR\AJ | Not Ok |
| 36 | PB164393TB  | PB164393TB | PS028389.D | 09 Nov 2024 04:34 | Closing CCC fail                                           | AR\AJ | Not Ok |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS110924**

| Review By                               | Abdul                                                                  | Review On         | 11/11/2024 5:07:36 PM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 8:59:40 AM              |
| SubDirectory                            | PS110924                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |            |            |            |                   |                  |       |        |
|----|------------|------------|------------|-------------------|------------------|-------|--------|
| 37 | I.BLK      | I.BLK      | PS028390.D | 09 Nov 2024 04:58 | Closing CCC fail | AR\AJ | Not Ok |
| 38 | HSTDCCC750 | HSTDCCC750 | PS028391.D | 09 Nov 2024 05:22 | CCC fail         | AR\AJ | Not Ok |

M : Manual Integration



Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | yogesh   | Review On         | 11/12/2024 5:16:17 AM              |
| Supervise By | Ankita   | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory | PS111124 | HP Acquire Method | HP Processing Method ps110924 8151 |

| STD. NAME                               | STD REF.#                                                              |
|-----------------------------------------|------------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |
| CCC                                     | PP23462                                                                |
| Internal Standard/PEM                   |                                                                        |
| ICV/I.BLK                               | PP23469                                                                |
| Surrogate Standard                      |                                                                        |
| MS/MSD Standard                         |                                                                        |
| LCS Standard                            |                                                                        |

| Sr# | SampleID    | ClientID   | Data File Name | Date-Time         | Comment                  | Operator | Status |
|-----|-------------|------------|----------------|-------------------|--------------------------|----------|--------|
| 1   | HEXANE      | HEXANE     | PS028392.D     | 11 Nov 2024 10:00 |                          | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK      | PS028393.D     | 11 Nov 2024 10:24 |                          | AR\AJ    | Ok     |
| 3   | HSTDCCC750  | HSTDCCC750 | PS028394.D     | 11 Nov 2024 10:48 |                          | AR\AJ    | Ok,M   |
| 4   | P4601-29    | CC0Q1      | PS028395.D     | 11 Nov 2024 12:05 |                          | AR\AJ    | Ok     |
| 5   | P4601-30    | CC0Q6      | PS028396.D     | 11 Nov 2024 12:29 |                          | AR\AJ    | Ok     |
| 6   | P4601-31    | CC0Q8      | PS028397.D     | 11 Nov 2024 12:56 |                          | AR\AJ    | Ok     |
| 7   | P4601-32    | CC0R3      | PS028398.D     | 11 Nov 2024 13:20 |                          | AR\AJ    | Ok     |
| 8   | P4601-33    | CC0R4      | PS028399.D     | 11 Nov 2024 13:44 |                          | AR\AJ    | Ok,M   |
| 9   | P4601-34    | CC0R5      | PS028400.D     | 11 Nov 2024 14:08 |                          | AR\AJ    | Ok,M   |
| 10  | P4601-35    | CC0R6      | PS028401.D     | 11 Nov 2024 14:32 |                          | AR\AJ    | Ok,M   |
| 11  | P4601-36    | CC0R7      | PS028402.D     | 11 Nov 2024 14:57 |                          | AR\AJ    | Ok,M   |
| 12  | P4601-37MS  | CC0R7MS    | PS028403.D     | 11 Nov 2024 15:21 | some comp. recovery fail | AR\AJ    | Ok,M   |
| 13  | P4601-38MSD | CC0R7MSD   | PS028404.D     | 11 Nov 2024 15:45 | some comp. recovery fail | AR\AJ    | Ok,M   |
| 14  | I.BLK       | I.BLK      | PS028405.D     | 11 Nov 2024 16:09 |                          | AR\AJ    | Ok     |
| 15  | HSTDCCC750  | HSTDCCC750 | PS028406.D     | 11 Nov 2024 16:33 |                          | AR\AJ    | Ok,M   |
| 16  | P4602-43    | CC0R8      | PS028407.D     | 11 Nov 2024 16:57 |                          | AR\AJ    | Ok     |
| 17  | P4602-44MS  | CC0R8MS    | PS028408.D     | 11 Nov 2024 17:21 |                          | AR\AJ    | Ok,M   |
| 18  | P4602-45MSD | CC0R8MSD   | PS028409.D     | 11 Nov 2024 17:45 |                          | AR\AJ    | Ok,M   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | yogesh   | Review On         | 11/12/2024 5:16:17 AM              |
| Supervise By | Ankita   | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory | PS111124 | HP Acquire Method | HP Processing Method ps110924 8151 |

| STD. NAME                               | STD REF.#                                                              |
|-----------------------------------------|------------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |
| CCC                                     | PP23462                                                                |
| Internal Standard/PEM                   |                                                                        |
| ICV/I.BLK                               | PP23469                                                                |
| Surrogate Standard                      |                                                                        |
| MS/MSD Standard                         |                                                                        |
| LCS Standard                            |                                                                        |

|    |             |            |            |                   |                 |       |        |
|----|-------------|------------|------------|-------------------|-----------------|-------|--------|
| 19 | P4602-40    | CC0R6      | PS028410.D | 11 Nov 2024 18:10 |                 | AR\AJ | Ok     |
| 20 | P4602-41MS  | CC0R6MS    | PS028411.D | 11 Nov 2024 18:34 |                 | AR\AJ | Ok,M   |
| 21 | P4602-42MSD | CC0R6MSD   | PS028412.D | 11 Nov 2024 18:58 |                 | AR\AJ | Ok,M   |
| 22 | PB164393TB  | PB164393TB | PS028413.D | 11 Nov 2024 19:22 |                 | AR\AJ | Ok     |
| 23 | PB164725BL  | PB164725BL | PS028414.D | 11 Nov 2024 19:46 |                 | AR\AJ | Ok     |
| 24 | PB164725BS  | PB164725BS | PS028415.D | 11 Nov 2024 20:10 |                 | AR\AJ | Ok,M   |
| 25 | P4602-19    | C0P17      | PS028416.D | 11 Nov 2024 20:34 |                 | AR\AJ | Ok,M   |
| 26 | I.BLK       | I.BLK      | PS028417.D | 11 Nov 2024 20:58 |                 | AR\AJ | Ok     |
| 27 | HSTDCCC750  | HSTDCCC750 | PS028418.D | 11 Nov 2024 21:22 |                 | AR\AJ | Ok,M   |
| 28 | P4602-21    | CC0P2      | PS028419.D | 11 Nov 2024 21:46 |                 | AR\AJ | Ok,M   |
| 29 | P4602-22    | CC0P4      | PS028420.D | 11 Nov 2024 22:10 |                 | AR\AJ | Ok,M   |
| 30 | P4602-23    | CC0P6      | PS028421.D | 11 Nov 2024 22:34 |                 | AR\AJ | Ok     |
| 31 | P4602-24    | CC0P8      | PS028422.D | 11 Nov 2024 22:58 |                 | AR\AJ | Ok,M   |
| 32 | P4602-25    | CC0Q0      | PS028423.D | 11 Nov 2024 23:22 |                 | AR\AJ | Ok,M   |
| 33 | P4602-26    | CC0Q2      | PS028424.D | 11 Nov 2024 23:46 |                 | AR\AJ | Ok,M   |
| 34 | P4602-27    | CC0Q3      | PS028425.D | 12 Nov 2024 00:10 |                 | AR\AJ | Ok,M   |
| 35 | P4602-28    | CC0Q4      | PS028426.D | 12 Nov 2024 00:34 | injection error | AR\AJ | Not Ok |
| 36 | P4602-29    | CC0Q5      | PS028427.D | 12 Nov 2024 00:58 |                 | AR\AJ | Ok,M   |
| 37 | P4602-30    | CC0Q7      | PS028428.D | 12 Nov 2024 01:23 |                 | AR\AJ | Ok,M   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

|                                         |                                                                        |                   |                                    |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | yogesh                                                                 | Review On         | 11/12/2024 5:16:17 AM              |
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory                            | PS111124                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                                       |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |

|    |             |                 |            |                   |                             |       |      |
|----|-------------|-----------------|------------|-------------------|-----------------------------|-------|------|
| 38 | I.BLK       | I.BLK           | PS028429.D | 12 Nov 2024 01:47 |                             | AR\AJ | Ok   |
| 39 | HSTDCCC750  | HSTDCCC750      | PS028430.D | 12 Nov 2024 02:11 |                             | AR\AJ | Ok   |
| 40 | P4602-33    | CC0R1           | PS028431.D | 12 Nov 2024 02:35 |                             | AR\AJ | Ok,M |
| 41 | P4602-34    | CC0R2           | PS028432.D | 12 Nov 2024 02:59 |                             | AR\AJ | Ok,M |
| 42 | P4602-31    | CC0Q9           | PS028433.D | 12 Nov 2024 03:23 |                             | AR\AJ | Ok,M |
| 43 | P4602-32    | CC0R0           | PS028434.D | 12 Nov 2024 03:47 |                             | AR\AJ | Ok,M |
| 44 | P4602-37    | CC0P0           | PS028435.D | 12 Nov 2024 04:11 |                             | AR\AJ | Ok,M |
| 45 | P4602-38MS  | CC0P0MS         | PS028436.D | 12 Nov 2024 04:35 | Some compound recovery fail | AR\AJ | Ok,M |
| 46 | P4602-39MSD | CC0P0MSD        | PS028437.D | 12 Nov 2024 04:59 | Some compound recovery fail | AR\AJ | Ok,M |
| 47 | P4722-03    | WC-1(0-6)       | PS028438.D | 12 Nov 2024 05:23 |                             | AR\AJ | Ok   |
| 48 | P4722-13    | WC-3(0-6)       | PS028439.D | 12 Nov 2024 05:47 |                             | AR\AJ | Ok   |
| 49 | P4738-02    | 72-12018        | PS028440.D | 12 Nov 2024 06:11 |                             | AR\AJ | Ok   |
| 50 | I.BLK       | I.BLK           | PS028441.D | 12 Nov 2024 06:35 |                             | AR\AJ | Ok   |
| 51 | HSTDCCC750  | HSTDCCC750      | PS028442.D | 12 Nov 2024 06:59 |                             | AR\AJ | Ok,M |
| 52 | P4789-01    | BP-F21          | PS028443.D | 12 Nov 2024 07:23 |                             | AR\AJ | Ok   |
| 53 | P4792-03    | OILY-STONE-DRUM | PS028444.D | 12 Nov 2024 07:47 |                             | AR\AJ | Ok   |
| 54 | P4738-02    | 72-12018        | PS028445.D | 12 Nov 2024 08:11 |                             | AR\AJ | Ok   |
| 55 | P4602-28    | CC0Q4           | PS028446.D | 12 Nov 2024 09:04 |                             | AR\AJ | Ok,M |
| 56 | I.BLK       | I.BLK           | PS028447.D | 12 Nov 2024 09:28 |                             | AR\AJ | Ok   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS111124**

| Review By                               | yogesh                                                                 | Review On         | 11/12/2024 5:16:17 AM              |
|-----------------------------------------|------------------------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | Ankita                                                                 | Supervise On      | 11/12/2024 9:00:51 AM              |
| SubDirectory                            | PS111124                                                               | HP Acquire Method | HP Processing Method ps110924 8151 |
| STD. NAME                               | STD REF.#                                                              |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469 |                   |                                    |
| CCC                                     | PP23462                                                                |                   |                                    |
| Internal Standard/PEM                   |                                                                        |                   |                                    |
| ICV/I.BLK                               | PP23469                                                                |                   |                                    |
| Surrogate Standard                      |                                                                        |                   |                                    |
| MS/MSD Standard                         |                                                                        |                   |                                    |
| LCS Standard                            |                                                                        |                   |                                    |
| 57                                      | HSTDCCC750                                                             | HSTDCCC750        | PS028448.D                         |
|                                         |                                                                        |                   | 12 Nov 2024 09:52                  |
|                                         |                                                                        |                   | ARIAJ                              |
|                                         |                                                                        |                   | Ok,M                               |

M : Manual Integration

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# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:00  
In Date: 10/29/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:15  
Out Date: 10/30/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133188

| 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 |
|----------|-----------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|----------|
| P4599-01 | EX-1-TPH-1      | 1      | 1.15            | 8.84          | 9.99                     | 8.33                       | 81.2    |          |
| P4599-02 | EX-1-TPH-2      | 2      | 1.15            | 8.38          | 9.53                     | 8.01                       | 81.9    |          |
| P4599-03 | EX-1-TPH-3      | 3      | 1.18            | 8.79          | 9.97                     | 8.64                       | 84.9    |          |
| P4599-04 | EX-1-TPH-4      | 4      | 1.19            | 8.75          | 9.94                     | 8.75                       | 86.4    |          |
| P4599-05 | EX-1-TPH-5      | 5      | 1.12            | 8.86          | 9.98                     | 8.57                       | 84.1    |          |
| P4599-06 | EX-1-TPH-6      | 6      | 1.17            | 8.61          | 9.78                     | 8.25                       | 82.2    |          |
| P4599-07 | EX-1-TPH-7      | 7      | 1.18            | 8.66          | 9.84                     | 8.34                       | 82.7    |          |
| P4599-08 | EX-1-TPH-8      | 8      | 1.18            | 8.66          | 9.84                     | 8.49                       | 84.4    |          |
| P4599-09 | EX-1-TPH-9      | 9      | 1.15            | 8.81          | 9.96                     | 8.94                       | 88.4    |          |
| P4601-19 | COPI0           | 10     | 1.14            | 8.82          | 9.96                     | 7.38                       | 70.7    |          |
| P4601-20 | COPI2           | 11     | 1.18            | 8.42          | 9.6                      | 9.15                       | 94.7    |          |
| P4601-21 | COPI6           | 12     | 1.14            | 8.64          | 9.78                     | 8.53                       | 85.5    |          |
| P4601-22 | COPI8           | 13     | 1.15            | 8.84          | 9.99                     | 8.31                       | 81.0    |          |
| P4601-23 | COPI9           | 14     | 1.18            | 8.63          | 9.81                     | 8.68                       | 86.9    |          |
| P4601-24 | CC0P1           | 15     | 1.13            | 8.70          | 9.83                     | 9.42                       | 95.3    |          |
| P4601-25 | CC0P3           | 16     | 1.13            | 8.61          | 9.74                     | 8.68                       | 87.7    |          |
| P4601-26 | CC0P5           | 17     | 1.17            | 8.55          | 9.72                     | 8.77                       | 88.9    |          |
| P4601-27 | CC0P7           | 18     | 1.18            | 8.33          | 9.51                     | 8.51                       | 88.0    |          |
| P4601-28 | CC0P9           | 19     | 1.15            | 8.56          | 9.71                     | 8.71                       | 88.3    |          |
| P4601-29 | CC0Q1           | 20     | 1.17            | 8.53          | 9.7                      | 8.68                       | 88.0    |          |
| P4601-30 | CC0Q6           | 21     | 1.16            | 8.69          | 9.85                     | 9.22                       | 92.8    |          |
| P4601-31 | CC0Q8           | 22     | 1.16            | 8.50          | 9.66                     | 8.35                       | 84.6    |          |
| P4601-32 | CC0R3           | 23     | 1.17            | 8.56          | 9.73                     | 7.84                       | 77.9    |          |
| P4601-33 | CC0R4           | 24     | 1.16            | 8.42          | 9.58                     | 7.19                       | 71.6    |          |
| P4601-34 | CC0R5           | 25     | 1.18            | 8.77          | 9.95                     | 9.55                       | 95.4    |          |
| P4601-35 | CC0R6           | 26     | 1.14            | 8.62          | 9.76                     | 9.25                       | 94.1    |          |
| P4601-36 | CC0R7           | 27     | 1.15            | 8.37          | 9.52                     | 7.95                       | 81.2    |          |
| P4601-37 | P4601-36MS      | 28     | 1.15            | 8.37          | 9.52                     | 7.95                       | 81.2    |          |

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:00  
In Date: 10/29/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:15  
Out Date: 10/30/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133188

| 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 |
|----------|----------------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|----------|
| P4601-38 | P4601-36MSD                | 29     | 1.15            | 8.37          | 9.52                     | 7.95                       | 81.2    |          |
| P4602-19 | C0P17                      | 30     | 1.17            | 8.65          | 9.82                     | 9.06                       | 91.2    |          |
| P4602-21 | CC0P2                      | 31     | 1.15            | 8.78          | 9.93                     | 9.58                       | 96.0    |          |
| P4602-22 | CC0P4                      | 32     | 1.14            | 8.41          | 9.55                     | 9.17                       | 95.5    |          |
| P4602-23 | CC0P6                      | 33     | 1.14            | 8.64          | 9.78                     | 9.11                       | 92.2    |          |
| P4602-24 | CC0P8                      | 34     | 1.18            | 8.57          | 9.75                     | 8.71                       | 87.9    |          |
| P4602-25 | CC0Q0                      | 35     | 1.16            | 8.40          | 9.56                     | 8.7                        | 89.8    |          |
| P4602-26 | CC0Q2                      | 36     | 1.13            | 8.54          | 9.67                     | 8.43                       | 85.5    |          |
| P4602-27 | CC0Q3                      | 37     | 1.13            | 8.47          | 9.6                      | 6.8                        | 66.9    |          |
| P4602-28 | CC0Q4                      | 38     | 1.16            | 8.42          | 9.58                     | 7.84                       | 79.3    |          |
| P4602-29 | CC0Q5                      | 39     | 1.15            | 8.38          | 9.53                     | 7.64                       | 77.4    |          |
| P4602-30 | CC0Q7                      | 40     | 1.15            | 8.78          | 9.93                     | 8.61                       | 85.0    |          |
| P4602-31 | CC0Q9                      | 41     | 1.14            | 8.79          | 9.93                     | 9.57                       | 95.9    |          |
| P4602-32 | CC0R0                      | 42     | 1.13            | 8.83          | 9.96                     | 8.82                       | 87.1    |          |
| P4602-33 | CC0R1                      | 43     | 1.15            | 8.66          | 9.81                     | 7.9                        | 77.9    |          |
| P4602-34 | CC0R2                      | 44     | 1.15            | 8.64          | 9.79                     | 7.53                       | 73.8    |          |
| P4602-37 | CC0P0                      | 45     | 1.15            | 8.57          | 9.72                     | 9.1                        | 92.8    |          |
| P4602-38 | P4602-38MS                 | 46     | 1.15            | 8.57          | 9.72                     | 9.1                        | 92.8    |          |
| P4602-39 | P4602-38MSD                | 47     | 1.15            | 8.57          | 9.72                     | 9.1                        | 92.8    |          |
| P4602-40 | CC0R6                      | 48     | 1.15            | 8.62          | 9.77                     | 9.3                        | 94.5    |          |
| P4602-41 | P4602-40MS                 | 49     | 1.15            | 8.62          | 9.77                     | 9.3                        | 94.5    |          |
| P4602-42 | P4602-40MSD                | 50     | 1.15            | 8.62          | 9.77                     | 9.3                        | 94.5    |          |
| P4602-43 | CC0R8                      | 51     | 1.15            | 8.41          | 9.56                     | 8.85                       | 91.6    |          |
| P4602-44 | P4602-43MS                 | 52     | 1.15            | 8.41          | 9.56                     | 8.85                       | 91.6    |          |
| P4602-45 | P4602-43MSD                | 53     | 1.15            | 8.41          | 9.56                     | 8.85                       | 91.6    |          |
| P4605-01 | TAPIAL2-SED02-102824-00-T2 | 54     | 1.16            | 8.51          | 9.67                     | 8.99                       | 92.0    |          |
| P4605-02 | TAPIAL2-SED01-102824-00-T2 | 55     | 1.15            | 8.46          | 9.61                     | 8.41                       | 85.8    |          |

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:00  
In Date: 10/29/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:15  
Out Date: 10/30/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133188

| 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        |
|----------|----------------------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|-----------------|
| P4605-03 | TAPIAL3-SED01-102824-00-T2 | 56     | 1.17            | 8.61          | 9.78                     | 8.85                       | 89.2    |                 |
| P4605-04 | TAPHHA-SED01-102824-00-T2  | 57     | 1.15            | 8.43          | 9.58                     | 8.32                       | 85.1    |                 |
| P4605-05 | TAPHHA-SED02-102824-00-T2  | 58     | 1.15            | 8.65          | 9.8                      | 5.88                       | 54.7    |                 |
| P4605-06 | TAPLPR-SED11-102824-00-T2  | 59     | 1.16            | 8.50          | 9.66                     | 7.76                       | 77.6    |                 |
| P4606-01 | 1                          | 60     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | caluk           |
| P4611-01 | TP-1                       | 61     | 1.18            | 8.80          | 9.98                     | 9.52                       | 94.8    |                 |
| P4611-02 | TP-1-E2                    | 62     | 1.15            | 8.82          | 9.97                     | 9.33                       | 92.7    |                 |
| P4611-04 | TP-2                       | 63     | 1.17            | 8.37          | 9.54                     | 9.16                       | 95.5    |                 |
| P4611-05 | TP-2-E2                    | 64     | 1.12            | 8.45          | 9.57                     | 9.33                       | 97.2    |                 |
| P4611-07 | TP-3                       | 65     | 1.15            | 8.47          | 9.62                     | 9.35                       | 96.8    |                 |
| P4611-08 | TP-3-E2                    | 66     | 1.15            | 8.59          | 9.74                     | 9.47                       | 96.9    |                 |
| P4611-10 | TP-4                       | 67     | 1.19            | 8.50          | 9.69                     | 9.22                       | 94.5    |                 |
| P4611-11 | TP-4-E2                    | 68     | 1.16            | 8.50          | 9.66                     | 9.24                       | 95.1    |                 |
| P4611-13 | TP-5                       | 69     | 1.14            | 8.58          | 9.72                     | 9.33                       | 95.5    |                 |
| P4611-14 | TP-5-E2                    | 70     | 1.19            | 8.47          | 9.66                     | 9.31                       | 95.9    |                 |
| P4611-16 | TP-6                       | 71     | 1.16            | 8.53          | 9.69                     | 9.32                       | 95.7    |                 |
| P4611-17 | TP-6-E2                    | 72     | 1.15            | 8.63          | 9.78                     | 9.39                       | 95.5    |                 |
| P4612-01 | W029020-1-1                | 73     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| P4612-02 | W029020-1-2                | 74     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | oilc            |
| P4612-03 | MOO-24-00335               | 75     | 1.15            | 8.54          | 9.69                     | 9.38                       | 96.4    |                 |
| P4612-05 | CONCRETE-PAD               | 76     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | CONCRETE sample |
| P4613-01 | ARS20-0001                 | 77     | 1.17            | 8.71          | 9.88                     | 8.88                       | 88.5    |                 |
| P4614-01 | NB-07-102924               | 78     | 1.17            | 8.80          | 9.97                     | 8.43                       | 82.5    |                 |
| P4614-02 | NB-07-102924-E2            | 79     | 1.14            | 8.74          | 9.88                     | 8.61                       | 85.5    |                 |
| P4616-01 | BP-F10                     | 80     | 1.18            | 8.80          | 9.98                     | 9.22                       | 91.4    |                 |
| P4616-02 | BP-F10-EPH                 | 81     | 1.17            | 8.53          | 9.7                      | 8.71                       | 88.4    |                 |
| P4616-05 | BP-F9-MOVED                | 82     | 1.15            | 8.80          | 9.95                     | 8.93                       | 88.4    |                 |



PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:00  
In Date: 10/29/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103  
Time OUT: 08:15  
Out Date: 10/30/2024  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID- OVEN

QC:LB133188

| 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        |
|----------|-----------------|--------|-----------------|---------------|--------------------------|----------------------------|---------|-----------------|
| P4616-06 | BP-F9-MOVED-EPH | 83     | 1.16            | 8.67          | 9.83                     | 8.83                       | 88.5    |                 |
| P4617-01 | RO-SOIL         | 84     | 1.13            | 8.65          | 9.78                     | 9.1                        | 92.1    |                 |
| P4617-02 | RO-SOIL-E2      | 85     | 1.18            | 8.48          | 9.66                     | 9.13                       | 93.8    |                 |
| P4617-03 | CONCRETE-PILE   | 86     | 1.00            | 1.00          | 2.00                     | 2.00                       | 100.0   | CONCRETE sample |
| P4618-01 | HR-01-102924    | 87     | 1.15            | 8.46          | 9.61                     | 9.22                       | 95.4    |                 |
| P4618-02 | HR-01-102924-E2 | 88     | 1.15            | 8.83          | 9.98                     | 9.62                       | 95.9    |                 |
| P4618-03 | HR-04-102924    | 89     | 1.15            | 8.69          | 9.84                     | 9.5                        | 96.1    |                 |
| P4618-04 | HR-04-102924-E2 | 90     | 1.14            | 8.61          | 9.75                     | 9.46                       | 96.6    |                 |
| P4619-01 | SU-03-102924    | 91     | 1.15            | 8.57          | 9.72                     | 9.05                       | 92.2    |                 |
| P4619-02 | SU-03-102924-E2 | 92     | 1.17            | 8.36          | 9.53                     | 8.8                        | 91.3    |                 |
| P4619-03 | SU-04-102924    | 93     | 1.17            | 8.70          | 9.87                     | 8.86                       | 88.4    |                 |
| P4619-04 | SU-04-102924-E2 | 94     | 1.13            | 8.47          | 9.6                      | 8.67                       | 89.0    |                 |

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



# WORKLIST(Hardcopy Internal Chain)

W3133188

WorkList Name : %1-102924

WorkList ID : 184886

Department : Wet-Chemistry

Date : 10-29-2024 08:07:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4599-01 | EX-1-TPH-1      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-02 | EX-1-TPH-2      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-03 | EX-1-TPH-3      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-04 | EX-1-TPH-4      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-05 | EX-1-TPH-5      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-06 | EX-1-TPH-6      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-07 | EX-1-TPH-7      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-08 | EX-1-TPH-8      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4599-09 | EX-1-TPH-9      | Solid  | Percent Solids | Cool 4 deg C | ENTA05   | K63                         | 10/28/2024   | Chemtech -SO |
| P4601-19 | C0PI0           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-20 | C0PI2           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-21 | C0PI6           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-22 | C0PI8           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-23 | C0PI9           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-24 | CC0P1           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-25 | CC0P3           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-26 | CC0P5           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-27 | CC0P7           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-28 | CC0P9           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-29 | CC0Q1           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |
| P4601-30 | CC0Q6           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | Chemtech -SO |

Date/Time 10/24/24 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

P4601-Herbicide

Date/Time 10/24/24 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

# WORKLIST(Hardcopy Internal Chain)

VB 133188

WorkList Name : %1-102924

WorkList ID : 184886

Department : Wet-Chemistry

Date : 10-29-2024 08:07:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4601-31 | CC0Q8           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-32 | CC0R3           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-33 | CC0R4           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-34 | CC0R5           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-35 | CC0R6           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-36 | CC0R7           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-37 | P4601-36MS      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4601-38 | P4601-36MSD     | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | Chemtech -SO |
| P4602-19 | C0P17           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-21 | CC0P2           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-22 | CC0P4           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-23 | CC0P6           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-24 | CC0P8           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-25 | CC0Q0           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-26 | CC0Q2           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-27 | CC0Q3           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/22/2024   | Chemtech -SO |
| P4602-28 | CC0Q4           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-29 | CC0Q5           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-30 | CC0Q7           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-31 | CC0Q9           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-32 | CC0R0           | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |

Date/Time 10/29/24 15:00  
Raw Sample Received by: SO WCC  
Raw Sample Relinquished by: CP

Date/Time 10/29/24 17:10  
Raw Sample Received by: CP  
Raw Sample Relinquished by: SO WCC

# WORKLIST(Hardcopy Internal Chain)

✓ 133188

WorkList Name : %1-102924

WorkList ID : 184886

Department : Wet-Chemistry

Date : 10-29-2024 08:07:10

| Sample   | Customer Sample            | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|----------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4602-33 | CC0R1                      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-34 | CC0R2                      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-37 | CC0P0                      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-38 | P4602-38MS                 | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-39 | P4602-38MSD                | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-40 | CC0R6                      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-41 | P4602-40MS                 | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-42 | P4602-40MSD                | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-43 | CC0R8                      | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-44 | P4602-43MS                 | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4602-45 | P4602-43MSD                | Solid  | Percent Solids | Cool 4 deg C | TETR16   | K61                         | 10/23/2024   | Chemtech -SO |
| P4605-01 | TAPIAL2-SED02-102824-00-T2 | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4605-02 | TAPIAL2-SED01-102824-00-T2 | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4605-03 | TAPIAL3-SED01-102824-00-T2 | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4605-04 | TAPHHA-SED01-102824-00-T2  | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4605-05 | TAPHHA-SED02-102824-00-T2  | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4605-06 | TAPLPR-SED11-102824-00-T2  | Solid  | Percent Solids | Cool 4 deg C | WEST04   | K63                         | 10/28/2024   | Chemtech -SO |
| P4606-01 | 1                          | Solid  | Percent Solids | Cool 4 deg C | ATCE02   | K63                         | 10/26/2024   | Chemtech -SO |
| P4611-01 | TP-1                       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-02 | TP-1-E2                    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-04 | TP-2                       | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |

Date/Time 10/29/24

Raw Sample Received by: YR wlc

Raw Sample Relinquished by: CP 8m

P4601-Herbicide

Date/Time 10/29/24

Raw Sample Received by: CP 8m

Raw Sample Relinquished by: SO wlc



# WORKLIST(Hardcopy Internal Chain)

W 133188

WorkList Name : %1-102924

WorkList ID : 184886

Department : Wet-Chemistry

Date : 10-29-2024 08:07:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4611-05 | TP-2-E2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-07 | TP-3            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-08 | TP-3-E2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-10 | TP-4            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-11 | TP-4-E2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-13 | TP-5            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-14 | TP-5-E2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-16 | TP-6            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4611-17 | TP-6-E2         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4612-01 | W029020-1-1     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4612-02 | W029020-1-2     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4612-03 | MOO-24-00335    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4612-05 | CONCRETE-PAD    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4613-01 | ARS20-0001      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K62                         | 10/29/2024   | Chemtech -SO |
| P4614-01 | NB-07-102924    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |
| P4614-02 | NB-07-102924-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |
| P4616-01 | BP-F10          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4616-02 | BP-F10-EPH      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4616-05 | BP-F9-MOVED     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4616-06 | BP-F9-MOVED-EPH | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4617-01 | RO-SOIL         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |

Date/Time 10/29/24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

P4601-Herbicide

Date/Time 10/29/24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

# WORKLIST(Hardcopy Internal Chain)

WB 133188

WorkList Name : %1-102924

WorkList ID : 184886

Department : Wet-Chemistry

Date : 10-29-2024 08:07:10

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| P4617-02 | RO-SOIL-E2      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4617-03 | CONCRETE-PILE   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | K61                         | 10/29/2024   | Chemtech -SO |
| P4618-01 | HR-01-102924    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K61                         | 10/29/2024   | Chemtech -SO |
| P4618-02 | HR-01-102924-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K61                         | 10/29/2024   | Chemtech -SO |
| P4618-03 | HR-04-102924    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K61                         | 10/29/2024   | Chemtech -SO |
| P4618-04 | HR-04-102924-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K61                         | 10/29/2024   | Chemtech -SO |
| P4619-01 | SU-03-102924    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |
| P4619-02 | SU-03-102924-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |
| P4619-03 | SU-04-102924    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |
| P4619-04 | SU-04-102924-E2 | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | K63                         | 10/29/2024   | Chemtech -SO |

Date/Time

10/20/24 151.00

Raw Sample Received by:

SO JWC,

Raw Sample Relinquished by:

CP 82

P4601-Herbicide

Date/Time

10/20/24

Raw Sample Received by:

151.00  
CP 82

Raw Sample Relinquished by:

SO JWC,  
401 of 462

|                           |                                                                                                                                                                                                                     |                                |            |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>            | M8151A-Herbicide-22                                                                                                                                                                                                 |                                |            |
| <b>Clean Up SOP #:</b>    | N/A                                                                                                                                                                                                                 | <b>Extraction Start Date :</b> | 10/31/2024 |
| <b>Matrix :</b>           | Solid                                                                                                                                                                                                               | <b>Extraction Start Time :</b> | 10:00      |
| <b>Weigh By:</b>          | RJ                                                                                                                                                                                                                  | <b>Extraction By:</b>          | RJ         |
| <b>Balance check:</b>     | RJ                                                                                                                                                                                                                  | <b>Filter By:</b>              | RJ         |
| <b>Balance ID:</b>        | EX-SC-2                                                                                                                                                                                                             | <b>pH Meter ID:</b>            | N/A        |
| <b>pH Strip Lot#:</b>     | N/A                                                                                                                                                                                                                 | <b>Hood ID:</b>                | 3,7        |
|                           |                                                                                                                                                                                                                     | <b>Concentration By:</b>       | EH         |
|                           |                                                                                                                                                                                                                     | <b>Supervisor By :</b>         | rajesh     |
| <b>Extraction Method:</b> | <input type="checkbox"/> Seperatory Funnel <input type="checkbox"/> Continous Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input checked="" type="checkbox"/> Soxhlet |                                |            |

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5/500 PPM           | PP23699             |
| Surrogate     | 1.0ML    | 5000 PPB            | PP23907             |
| 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 |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2538     |
| Acidified Na2SO4   | N/A            | EP2503     |
| Sand               | N/A            | E2865      |
| HCL                | N/A            | M5892      |
| DI WATER           | N/A            | N/A        |
| 37% KOH            | N/A            | EP2520     |
| Methylene Chloride | N/A            | E3822      |
| 1:3 SULPHURIC ACID | N/A            | EP2528     |
| Ether              | N/A            | E3370      |
| ISO OCTANE         | N/A            | E3554      |
| METHANOL           | N/A            | V14150     |
| Diazomethane       | N/A            | EP2529     |
| Hexane             | N/A            | E3819      |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS721.

|                             |     |                           |          |
|-----------------------------|-----|---------------------------|----------|
| <b>KD Bath ID:</b>          | N/A | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | N/A | <b>Envap Temperature:</b> | 40 °C    |

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 10/31/24<br>18:30 | RP (Ext. 205)                           | Y-P. PEST (1003)     |
|                   | Preparation Group                       | Analysis Group       |

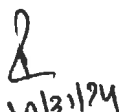
Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/31/2024

| Sample ID  | Client Sample ID | Test      | g / mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep Pos |
|------------|------------------|-----------|--------|-----|----------------|------------|--------------------|-------|----------|----------|
|            |                  |           |        |     | AddedBy        | VerifiedBy |                    |       |          |          |
| PB164559BL | HBLK559          | Herbicide | 30.01  | N/A | ritesh         | RUPESH     | 10                 |       |          | U5-1     |
| PB164559BS | HLCS559          | Herbicide | 30.03  | N/A | ritesh         | RUPESH     | 10                 |       |          | 2        |
| P4601-19   | C0PI0            | Herbicide | 30.06  | N/A | ritesh         | RUPESH     | 10                 |       |          | 3        |
| P4601-20   | C0PI2            | Herbicide | 30.02  | N/A | ritesh         | RUPESH     | 10                 |       |          | 4        |
| P4601-21   | C0PI6            | Herbicide | 30.07  | N/A | ritesh         | RUPESH     | 10                 |       |          | 5        |
| P4601-22   | C0PI8            | Herbicide | 30.09  | N/A | ritesh         | RUPESH     | 10                 |       |          | 6        |
| P4601-23   | C0PI9            | Herbicide | 30.01  | N/A | ritesh         | RUPESH     | 10                 |       |          | U6-1     |
| P4601-24   | CC0P1            | Herbicide | 30.10  | N/A | ritesh         | RUPESH     | 10                 |       |          | 2        |
| P4601-25   | CC0P3            | Herbicide | 30.03  | N/A | ritesh         | RUPESH     | 10                 |       |          | 3        |
| P4601-26   | CC0P5            | Herbicide | 30.06  | N/A | ritesh         | RUPESH     | 10                 |       |          | 4        |
| P4601-27   | CC0P7            | Herbicide | 30.09  | N/A | ritesh         | RUPESH     | 10                 |       |          | 5        |
| P4601-28   | CC0P9            | Herbicide | 30.01  | N/A | ritesh         | RUPESH     | 10                 |       |          | 6        |
| P4601-29   | CC0Q1            | Herbicide | 30.07  | N/A | ritesh         | RUPESH     | 10                 |       |          | U7-1     |
| P4601-30   | CC0Q6            | Herbicide | 30.03  | N/A | ritesh         | RUPESH     | 10                 |       |          | 2        |
| P4601-31   | CC0Q8            | Herbicide | 30.08  | N/A | ritesh         | RUPESH     | 10                 |       |          | 3        |
| P4601-32   | CC0R3            | Herbicide | 30.05  | N/A | ritesh         | RUPESH     | 10                 |       |          | 4        |
| P4601-33   | CC0R4            | Herbicide | 30.02  | N/A | ritesh         | RUPESH     | 10                 |       |          | 5        |
| P4601-34   | CC0R5            | Herbicide | 30.09  | N/A | ritesh         | RUPESH     | 10                 |       |          | 6        |
| P4601-35   | CC0R6            | Herbicide | 30.09  | N/A | ritesh         | RUPESH     | 10                 |       |          | U1-1     |
| P4601-36   | CC0R7            | Herbicide | 30.04  | N/A | ritesh         | RUPESH     | 10                 |       |          | 2        |
| P4601-37   | P4601-36MS       | Herbicide | 30.08  | N/A | ritesh         | RUPESH     | 10                 |       |          | 3        |
| P4601-38   | P4601-36MSD      | Herbicide | 30.10  | N/A | ritesh         | RUPESH     | 10                 |       |          | 4        |

\* Extracts relinquished on the same date as received.

P4601-Herbicide



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# WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4601

WorkList ID : 184970

Department : Extraction

Date : 10-31-2024 07:59:33

| Sample   | Customer Sample | Matrix | Test      | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|-----------|--------------|----------|-----------------------------|--------------|--------|
| P4601-19 | C0PI0           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-20 | C0PI2           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-21 | C0PI6           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-22 | C0PI8           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-23 | C0PI9           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-24 | CC0P1           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-25 | CC0P3           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-26 | CC0P5           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-27 | CC0P7           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-28 | CC0P9           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-29 | CC0Q1           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-30 | CC0Q6           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-31 | CC0Q8           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/22/2024   | 8151A  |
| P4601-32 | CC0R3           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-33 | CC0R4           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-34 | CC0R5           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-35 | CC0R6           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-36 | CC0R7           | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-37 | P4601-36MS      | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |
| P4601-38 | P4601-36MSD     | Solid  | Herbicide | Cool 4 deg C | TETR16   | K31                         | 10/23/2024   | 8151A  |

Date/Time 10/31/24 10:05  
 Raw Sample Received by: RJ (Set Lab)  
 Raw Sample Relinquished by: CS

Date/Time 10/31/24 10:05  
 Raw Sample Received by: CS  
 Raw Sample Relinquished by: RJ (Set Lab)



## Prep Standard - Chemical Standard Summary

**Order ID :** P4601

**Test :** Herbicide

**Prepbatch ID :** PB164559,

**Sequence ID/Qc Batch ID:** PS110624,ps111124,

**Standard ID :**

EP2503,EP2538,PP23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469,PP23699,PP23907,

**Chemical ID :**

E2865,E3370,E3551,E3754,E3788,E3793,E3794,E3815,M5037,M5892,P 11179,P12618,P12661,P12707,P12782,P12783,P13498,P13499,P13500,P13501,P23457,P8828,P8901,P9004,

## 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>              |
|------------------|-----------------------------|------------------------|------------------|------------------------|--------------------|------------------------|------------------|-----------------------------------|
| 601              | Acidified Sodium Sulphate 2 | <a href="#">EP2503</a> | 07/01/2024       | 12/15/2024             | Rajesh Parikh      | Extraction_SC<br>ALE_2 | None             | RUPESHKUMAR<br>SHAH<br>07/01/2024 |

**FROM** 100.00000ml of E3370 + 150.00000ml of M5037 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram  
(EX-SC-2)

| <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>              |
|------------------|-------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------------|
| 3868             | METHELENE<br>CHLORIDE+ACETONE | <a href="#">EP2538</a> | 09/17/2024       | 03/11/2025             | Rajesh Parikh      | None           | None             | RUPESHKUMAR<br>SHAH<br>09/17/2024 |

**FROM** 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 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> |
|------------------|-------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1321             | 2/200 PPM Herb Mega Mix | <a href="#">PP23457</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                         |                         |                  |                        |                    |                |                  | 06/18/2024           |

**FROM** 0.20000ml of P8828 + 1.00000ml of P11179 + 1.00000ml of P12618 + 1.00000ml of P12661 + 1.00000ml of P8901 + 95.80000ml of E3754 = 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> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1452             | 1500 PPB HERB MIX STD | <a href="#">PP23458</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                       |                         |                  |                        |                    |                |                  | 06/18/2024           |

**FROM** 0.25000ml of E3754 + 75.00000ml of PP23457 = 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> |
|------------------|-----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1453             | 1000 PPB Herb MIX STD | <a href="#">PP23459</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                       |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of E3754 + 0.50000ml of PP23457 = 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> |
|------------------|----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1455             | 500 PPB Herb MIX STD | <a href="#">PP23460</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                      |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of E3754 + 0.50000ml of PP23459 = 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> |
|------------------|----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1456             | 200 PPB Herb MIX STD | <a href="#">PP23461</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                      |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.80000ml of E3754 + 0.20000ml of PP23459 = 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> |
|------------------|----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1454             | 750 PPB Herb MIX STD | <a href="#">PP23462</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                      |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.25000ml of E3754 + 0.75000ml of PP23459 = 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> |
|------------------|------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1851             | 2/200 PPM Herb Mega Mix 2nd Source | <a href="#">PP23467</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                                    |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of P9004 + 1.00000ml of P12707 + 48.50000ml of E3754 = Final Quantity: 50.000 ml

| <u>Recipe ID</u> | <u>NAME</u>               | <u>NO.</u>              | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1854             | 1000 PPB HERB MIX ICV STD | <a href="#">PP23468</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
| 06/18/2024       |                           |                         |                  |                        |                    |                |                  |                      |

**FROM** 0.50000ml of E3754 + 0.50000ml of PP23467 = 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> |
|------------------|----------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1691             | 750 PPB ICV HERB STD | <a href="#">PP23469</a> | 06/17/2024       | 12/04/2024             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                      |                         |                  |                        |                    |                |                  | 06/18/2024           |

**FROM** 0.25000ml of E3754 + 0.75000ml of PP23468 = 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> |
|------------------|---------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 1848             | 5000/500000 PPB Herbicide Spike (Free Acid) | <a href="#">PP23699</a> | 09/24/2024       | 02/13/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani       |
|                  |                                             |                         |                  |                        |                    |                |                  | 10/01/2024           |

**FROM** 1.25000ml of P12782 + 1.25000ml of P12783 + 47.50000ml of E3788 = Final Quantity: 50.000 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>         |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 60               | 5000 PPB Herbicide Surg Spike (Free Acid)                                                                                                    | <a href="#">PP23907</a> | 10/21/2024       | 04/04/2025             | Abdul Mirza        | None           | None             | Ankita Jodhani<br>10/22/2024 |
| <b>FROM</b>      | 1.25000ml of P13498 + 1.25000ml of P13499 + 1.25000ml of P13500 + 1.25000ml of P13501 + 195.00000ml of E3815 = Final<br>Quantity: 200.000 ml |                         |                  |                        |                    |                |                  |                              |

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## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                      | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-3382-05 / Sand, Purified (cs/4x2.5kg) | 0000243821 | 12/31/2024      | 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 # |
|------------------|---------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L) | 0000288039 | 01/17/2025      | 08/01/2022 / Rajesh     | 07/13/2022 / Rajesh         | E3370          |

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

| Supplier         | ItemCode / ItemName                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 24C1862008 | 12/04/2024      | 06/04/2024 / Rajesh     | 05/31/2024 / Rajesh         | E3754          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 23H1462005 | 04/23/2025      | 08/13/2024 / Rajesh     | 08/13/2024 / Rajesh         | E3788          |

| Supplier         | ItemCode / ItemName               | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-----------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | 9005-05 / Acetone Ultra (cs/4x4L) | 24E0761004 | 03/11/2025      | 09/12/2024 / Rajesh     | 09/11/2024 / Rajesh         | E3793          |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                                         | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L) | 24G2362009 | 03/17/2025      | 09/17/2024 / Rajesh     | 09/03/2024 / Rajesh         | E3794          |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9254-03 / Acetone, Ultra Resi (cs/4x4L) | 24H1462005 | 04/04/2025      | 10/04/2024 / Rajesh     | 10/04/2024 / Rajesh         | E3815          |

| Supplier         | ItemCode / ItemName                                     | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | 0000250349 | 12/15/2024      | 01/06/2022 / mohan      | 09/18/2021 / mohan          | M5037          |

| Supplier         | ItemCode / ItemName                                         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|-------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L) | 240415 | 11/06/2024      | 05/16/2024 / Al-Terek   | 05/07/2024 / Al-Terek       | M5892          |

| Supplier | ItemCode / ItemName                                                                                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane | A0172864 | 12/17/2024      | 06/17/2024 / Abdul      | 11/01/2021 / Abdul          | P11179         |

| Supplier | ItemCode / ItemName                                                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32062 / Herbicide Mix, 500/8000, Standard #4 [methyl ester] 200ug/mL, hexane, 1mL/ampul | A0155055 | 12/17/2024      | 06/17/2024 / Abdul      | 07/03/2023 / Abdul          | P12618         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul | A0199693 | 12/17/2024      | 06/17/2024 / Abdul      | 07/14/2023 / Ankita         | P12661         |

| Supplier             | ItemCode / ItemName                                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-----------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters | 0006752480 | 12/17/2024      | 06/17/2024 / Abdul      | 08/09/2023 / Abdul          | P12707         |

| Supplier             | ItemCode / ItemName                                       | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|-----------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters | 0006752480 | 12/17/2024      | 06/17/2024 / Abdul      | 08/09/2023 / Abdul          | P12707         |

| Supplier             | ItemCode / ItemName                                    | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|--------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids | 0006750243 | 03/24/2025      | 09/24/2024 / Abdul      | 09/11/2023 / Abdul          | P12782         |

| Supplier             | ItemCode / ItemName                                    | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|--------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids | 0006750243 | 03/24/2025      | 09/24/2024 / Abdul      | 09/11/2023 / Abdul          | P12782         |

| Supplier             | ItemCode / ItemName                                    | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|--------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids | 0006750243 | 03/24/2025      | 09/24/2024 / Abdul      | 09/11/2023 / Abdul          | P12783         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier             | ItemCode / ItemName                                    | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------------------|--------------------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Agilent Technologies | HBM-8151A / Chlorinated Herbicide Mixtures, Free Acids | 0006750243 | 03/24/2025      | 09/24/2024 / Abdul      | 09/11/2023 / Abdul          | P12783         |

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH | A0212676 | 04/21/2025      | 10/21/2024 / Abdul      | 08/16/2024 / yogesh         | P13498         |

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH | A0212676 | 04/21/2025      | 10/21/2024 / Abdul      | 08/16/2024 / yogesh         | P13499         |

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH | A0212676 | 04/21/2025      | 10/21/2024 / Abdul      | 08/16/2024 / yogesh         | P13500         |

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH | A0212676 | 04/21/2025      | 10/21/2024 / Abdul      | 08/16/2024 / yogesh         | P13501         |

| Supplier | ItemCode / ItemName                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32254 / Dalapon Methyl Ester, 1000 ug/ml | A0148063 | 12/17/2024      | 06/17/2024 / Abdul      | 08/16/2019 / Stephen        | P8828          |

### CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32059 / Herbicide Mix#3 (Methyl Ester), 20000 ug/ml | A0152499 | 12/17/2024      | 06/17/2024 / Abdul      | 08/16/2019 / Stephen        | P8901          |

| Supplier | ItemCode / ItemName                                                                                                      | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 32050 / Herbicide, 8000 series, 515 Surrogate [ester] 2,4-dichlorophenyl acetic acid methyl ester, 1mL, 200ug/mL, Hexane | A0152705 | 12/17/2024      | 06/17/2024 / Abdul      | 10/11/2019 / Stephen        | P9004          |

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

Ether, Anhydrous  
BAKER ANALYZED® A.C.S. Reagent  
Contains BHT as a Preservative  
Suitable for Fat Extraction



Material No.: 9244-03  
Batch No.: 0000288039  
Manufactured Date: 2021/07/22  
Expiration Date: 2023/07/22  
Revision No: 1

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

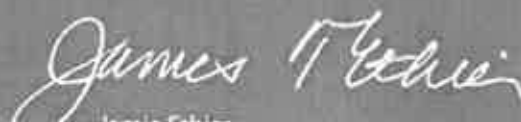
| Test                                                                                 | Specification | Result   |
|--------------------------------------------------------------------------------------|---------------|----------|
| Assay ((C <sub>2</sub> H <sub>5</sub> ) <sub>2</sub> O) (by GC, corrected for water) | >= 99.0 %     | 100.0    |
| Alcohol (C <sub>2</sub> H <sub>5</sub> OH)                                           | Passes Test   | PT       |
| Carbonyl Compounds (as HCHO) (by polarography)                                       | <= 0.001 %    | < 0.001  |
| Color (APHA)                                                                         | <= 10         | < 5      |
| Peroxide (as H <sub>2</sub> O <sub>2</sub> )                                         | <= 1 ppm      | < 1      |
| Preservative (BHT)                                                                   | >= 7 ppm      | 9        |
| Residue after Evaporation                                                            | <= 0.0010 %   | < 0.0010 |
| Titration Acid (μeq/g)                                                               | <= 0.2        | < 0.2    |
| Water (by KF, coulometric)                                                           | <= 0.01 %     | 0.01     |

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

Country of Origin: US

Recd. by RP on 7/13/22

E 3370

  
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  
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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.: 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 R1 on 5/31/24

E3754



Jamie Croak  
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis

Avantor™



Material No.: 9254-03  
Batch No.: 23H1462005  
Manufactured Date: 2023-07-26  
Expiration Date: 2026-07-25  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.4 %      | 99.7 %      |
| Color (APHA)                                                            | ≤ 10          | 5           |
| Residue after Evaporation                                               | ≤ 1.0 ppm     | 0.3 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (μeq/g)                                                  | ≤ 0.3         | 0.1         |
| Titration Base (μeq/g)                                                  | ≤ 0.6         | < 0.1       |
| Water (H <sub>2</sub> O)                                                | ≤ 0.5 %       | 0.3 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | ≤ 5           | < 1         |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | ≤ 10          | 1           |

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

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

Recd by RP on 8/13/24

E 3788

Ken Koehnlein  
Sr. Manager, Quality Assurance

Acetone  
CMOS

avantors<sup>TM</sup>



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   |

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone  
CMOS



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



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

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

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

Michelle Bales  
Sr. Manager, Quality Assurance

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 24H1462005  
Manufactured Date: 2024-05-24  
Expiration Date: 2027-05-24  
Revision No.: 0

## Certificate of Analysis

| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | >= 99.4 %     | 99.8 %      |
| Color (APHA)                                                            | <= 10         | 5           |
| Residue after Evaporation                                               | <= 1.0 ppm    | 0.2 ppm     |
| Substances Reducing Permanganate                                        | Passes Test   | Passes Test |
| Titration Acid (µeq/g)                                                  | <= 0.3        | 0.2         |
| Titration Base (µeq/g)                                                  | <= 0.6        | <0.1        |
| Water (H <sub>2</sub> O)                                                | <= 0.5 %      | 0.2 %       |
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)    | <= 5          | <1          |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)    | <= 10         | 1           |

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

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

E3815

Jamie Croak  
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700  
Avantor Performance Materials, LLC

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

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantor™



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

MS037-38-39-40  
no

## Certificate of Analysis

| Test                                                         | Specification | Result |
|--------------------------------------------------------------|---------------|--------|
| ACS - Assay (H <sub>2</sub> SO <sub>4</sub> )                | 95.0 - 98.0 % | 96.5   |
| Appearance                                                   | Passes Test   | PT     |
| ACS - Color (APHA)                                           | <= 10         | 5      |
| ACS - Residue after Ignition                                 | <= 3 ppm      | 1      |
| ACS - Substances Reducing Permanganate (as SO <sub>2</sub> ) | <= 2 ppm      | < 2    |
| Ammonium (NH <sub>4</sub> )                                  | <= 1 ppm      | < 1    |
| Chloride (Cl)                                                | <= 0.1 ppm    | < 0.1  |
| Nitrate (NO <sub>3</sub> )                                   | <= 0.2 ppm    | < 0.1  |
| Phosphate (PO <sub>4</sub> )                                 | <= 0.5 ppm    | < 0.1  |
| Trace Impurities - Aluminum (Al)                             | <= 30.0 ppb   | 0.2    |
| Arsenic and Antimony (as As)                                 | <= 4 ppb      | < 2    |
| Trace Impurities - Barium (Ba)                               | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Beryllium (Be)                            | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Bismuth (Bi)                              | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Boron (B)                                 | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Cadmium (Cd)                              | <= 2.0 ppb    | < 0.3  |
| Trace Impurities - Calcium (Ca)                              | <= 50.0 ppb   | 2.9    |
| Trace Impurities - Chromium (Cr)                             | <= 6.0 ppb    | < 0.4  |
| Trace Impurities - Cobalt (Co)                               | <= 0.5 ppb    | < 0.3  |
| Trace Impurities - Copper (Cu)                               | <= 1.0 ppb    | < 0.1  |
| Trace Impurities - Gallium (Ga)                              | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Germanium (Ge)                            | <= 10.0 ppb   | < 10.0 |
| Trace Impurities - Gold (Au)                                 | <= 10.0 ppb   | < 0.2  |
| Heavy Metals (as Pb)                                         | <= 500 ppb    | < 100  |

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 - Iron (Fe)       | <= 50.0 ppb   | 4.1    |
| Trace Impurities - Lead (Pb)       | <= 0.5 ppb    | < 0.5  |
| Trace Impurities - Lithium (Li)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Magnesium (Mg)  | <= 7.0 ppb    | 0.4    |
| Trace Impurities - Manganese (Mn)  | <= 1.0 ppb    | < 0.4  |
| Trace Impurities - Mercury (Hg)    | <= 0.5 ppb    | < 0.1  |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Nickel (Ni)     | <= 2.0 ppb    | < 0.3  |
| Trace Impurities - Niobium (Nb)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Potassium (K)   | <= 500.0 ppb  | < 2.0  |
| Trace Impurities - Selenium (Se)   | <= 50.0 ppb   | 22.9   |
| Trace Impurities - Silicon (Si)    | <= 100.0 ppb  | < 10.0 |
| Trace Impurities - Silver (Ag)     | <= 1.0 ppb    | < 0.3  |
| Trace Impurities - Sodium (Na)     | <= 500.0 ppb  | 2.7    |
| Trace Impurities - Strontium (Sr)  | <= 5.0 ppb    | < 0.2  |
| Trace Impurities - Tantalum (Ta)   | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Thallium (Tl)   | <= 20.0 ppb   | < 5.0  |
| Trace Impurities - Tin (Sn)        | <= 5.0 ppb    | < 0.8  |
| Trace Impurities - Titanium (Ti)   | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Vanadium (V)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Zinc (Zn)       | <= 5.0 ppb    | 0.3    |
| Trace Impurities - Zirconium (Zr)  | <= 10.0 ppb   | < 1.0  |

For Laboratory, Research or Manufacturing Use

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

*James Ethier*  
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



**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**

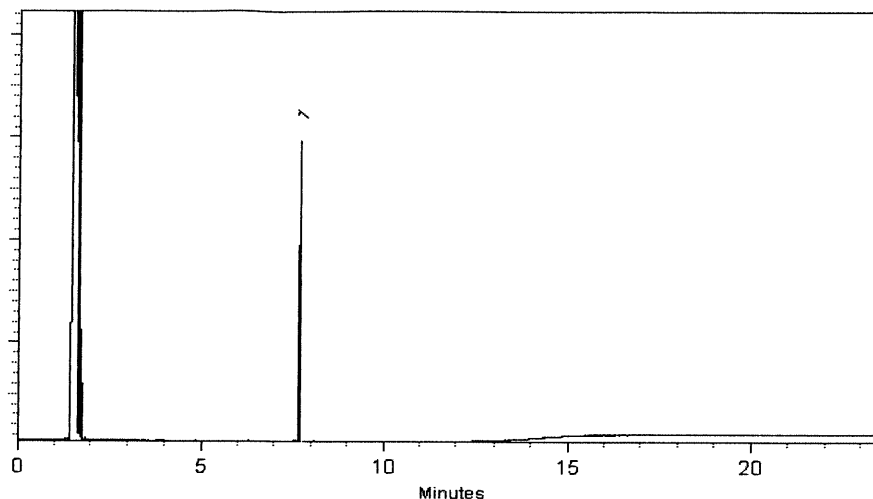
250°C

**Det. Temp:**

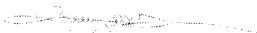
330°C

**Det. Type:**

FID

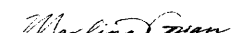


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Katelyn McGinnis - Operations Tech I

**Date Mixed:** 28-May-2021

**Balance:** B345965662

  
Marlene Cowan - Operations Tech I

**Date Passed:** 02-Jun-2021

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

1911177  
70  
P 111 86  
AR  
11/02/21



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. :** 32050 **Lot No.:** A0172864  
**Description :** 2,4-Dichlorophenylacetic Acid Methyl Ester Standard  
515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester  
200µg/mL, Hexane, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** February 29, 2028 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                    | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|---------------------------------------------|-----------------------------|--------------------------------------|
| 1             | 2,4-Dichlorophenyl acetic acid methyl ester | 202.0 µg/mL                 | +/- 1.4323 µg/mL Gravimetric         |
|               | CAS # 55954-23-9 (Lot CSC42194-01)          |                             | +/- 6.8182 µg/mL Unstressed          |
|               | Purity 99%                                  |                             | +/- 6.8182 µg/mL Stressed            |

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

P11177  
↓  
P11186  
AR  
01/02/21



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

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# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis



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

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

**Catalog No. :** 32062 **Lot No.:** A0155055

**Description :** Herbicide Mix #4/ME (Methyl Ester)  
Herbicide Mix #4/ME (Methyl Ester) 200µg/mL,  
Hexane/Methyl-tert-butyl-ether, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 10°C or colder

P12616 / (5)  
↓  
P12620  
✓ *Paul* =  
7/5/2023

### CERTIFIED VALUES

| Elution Order | Compound                                                                              | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                     |
|---------------|---------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------|
| 1             | 3,5-Dichlorobenzoic acid methyl ester<br>CAS # 2905-67-1 (Lot 3903900)<br>Purity 99%  | 200.0 µg/mL                 | +/- 1.4182 µg/mL Gravimetric<br>+/- 6.7507 µg/mL Unstressed<br>+/- 6.7507 µg/mL Stressed |
| 2             | 4-Nitroanisole<br>CAS # 100-17-4 (Lot 24765/7)<br>Purity 99%                          | 200.0 µg/mL                 | +/- 1.4182 µg/mL Gravimetric<br>+/- 6.7507 µg/mL Unstressed<br>+/- 6.7507 µg/mL Stressed |
| 3             | Pentachloroanisole<br>CAS # 1825-21-4 (Lot 7921100)<br>Purity 99%                     | 200.0 µg/mL                 | +/- 1.4182 µg/mL Gravimetric<br>+/- 6.7507 µg/mL Unstressed<br>+/- 6.7507 µg/mL Stressed |
| 4             | Chloramben methyl ester<br>CAS # 7286-84-2 (Lot 6487100)<br>Purity 98%                | 199.9 µg/mL                 | +/- 1.4176 µg/mL Gravimetric<br>+/- 6.7480 µg/mL Unstressed<br>+/- 6.7480 µg/mL Stressed |
| 5             | Bentazon methyl ester<br>CAS # 61592-45-8 (Lot 817100)<br>Purity 99%                  | 200.0 µg/mL                 | +/- 1.4182 µg/mL Gravimetric<br>+/- 6.7507 µg/mL Unstressed<br>+/- 6.7507 µg/mL Stressed |
| 6             | Picloram methyl ester<br>CAS # 14143-55-6 (Lot 386-21B)<br>Purity 98%                 | 201.9 µg/mL                 | +/- 1.4315 µg/mL Gravimetric<br>+/- 6.8141 µg/mL Unstressed<br>+/- 6.8141 µg/mL Stressed |
| 7             | DCPA methyl ester (Chlorthal-dimethyl)<br>CAS # 1861-32-1 (Lot 8008700)<br>Purity 99% | 200.0 µg/mL                 | +/- 1.4182 µg/mL Gravimetric<br>+/- 6.7507 µg/mL Unstressed<br>+/- 6.7507 µg/mL Stressed |

|   |                                |             |            |       |             |
|---|--------------------------------|-------------|------------|-------|-------------|
| 8 | Acifluorfen methyl ester       | 200.0 µg/mL | +/- 1.4182 | µg/mL | Gravimetric |
|   | CAS # 50594-67-7 (Lot 6282300) |             | +/- 6.7507 | µg/mL | Unstressed  |
|   | Purity 99%                     |             | +/- 6.7507 | µg/mL | Stressed    |

**Solvent:** Hexane/Methyl-tert-butyl-ether  
**CAS #** 110-54-3/1634-04-4  
**Purity** 99%

**Column:**  
 30m x 0.25mm x 0.25µm  
 Rtx-5 (cat.#10223)

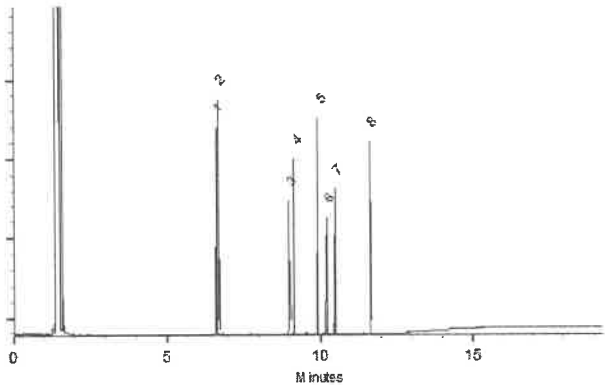
**Carrier Gas:**  
 hydrogen-constant pressure 10 psi.

**Temp. Program:**  
 75°C (hold 1 min.) to 330°C  
 @ 20°C/min. (hold 10 min.)

**Inj. Temp:**  
 250°C

**Det. Temp:**  
 330°C

**Det. Type:**  
 FID



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.

*Michael Maje*  
*Justine Albertson*  
 Justine Albertson - Operations Tech-ARM QC

**Date Mixed:** 14-Nov-2019    **Balance:** 1128353505

**Date Passed:** 18-Nov-2019

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



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. :** 32055 **Lot No.:** A0199693

**Description :** Herbicide Mix #1/ME (Methyl Ester)  
Herbicide Mix #1/ME (Methyl Ester) 200 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** July 31, 2030 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                       | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Dicamba methyl ester           | 6597-78-0  | 1813500  | 99%    | 202.0 µg/mL                 | +/- 3.4272                             |
| 2             | Dichlorprop methyl ester       | 57153-17-0 | 8578700  | 98%    | 201.9 µg/mL                 | +/- 3.4251                             |
| 3             | 2,4-D methyl ester             | 1928-38-7  | 10048000 | 99%    | 202.0 µg/mL                 | +/- 3.4272                             |
| 4             | 2,4,5-TP (silvex) methyl ester | 4841-20-7  | 504400   | 99%    | 202.0 µg/mL                 | +/- 3.4272                             |
| 5             | 2,4,5-T methyl ester           | 1928-37-6  | 6875800  | 98%    | 201.9 µg/mL                 | +/- 3.4251                             |
| 6             | Dinoseb methyl ether           | 6099-79-2  | 9239100  | 99%    | 202.0 µg/mL                 | +/- 3.4272                             |
| 7             | 2,4-DB methyl ester            | 18625-12-2 | 6847200  | 99%    | 202.0 µg/mL                 | +/- 3.4272                             |

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

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

P12660  
↓  
P12664  
AJ  
07/11/23

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

40°C (hold 2 min.) to 330°C  
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

330°C

**Det. Type:**

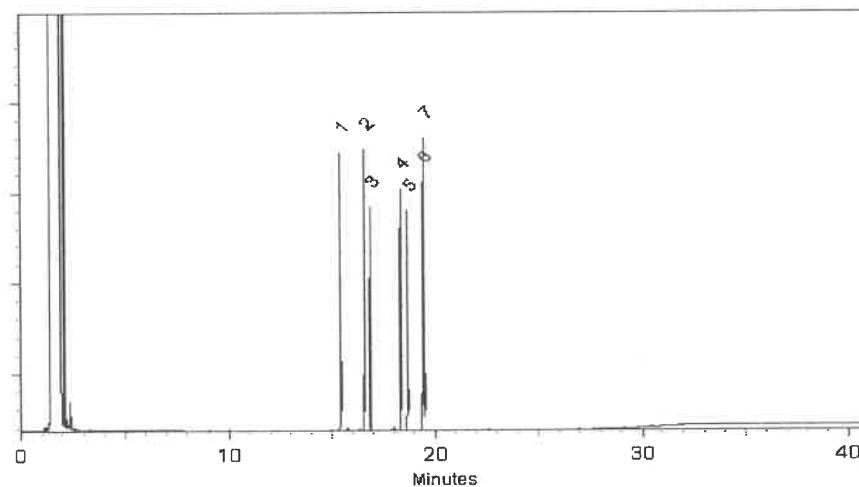
FID

**Split Vent:**

2 ml/min.

**Inj. Vol**

1µl



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

*Nick Yaw*  
Nick Yaw - Operations Tech I

Date Mixed: 07-Jul-2023

Balance Serial # 1128360905

*Christie Mills*  
Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 11-Jul-2023

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

P12706  
↓  
P12715  
/ (10)  
/ 1  
/ 8/15/23

ISO 17034

**Reference Material Certificate**  
**Product Information Sheet**

**Product Name:** Chlorinated Methylated Herbicides Standard

**Lot Number:** 0006752480

**Product Number:** HBM-8151M-1

**Lot Issue Date:** 18-Jul-2023

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

**Expiration Date:** 31-Aug-2025

| Component Name              | Concentration | Uncertainty | CAS#        | Analyte Lot |
|-----------------------------|---------------|-------------|-------------|-------------|
| acifluorfen methyl ester    | 100.3 ±       | 0.5 µg/mL   | 050594-67-7 | RM03058     |
| bentazon methyl derivative  | 100.2 ±       | 0.5 µg/mL   | 061592-45-8 | RM13829     |
| chloramben methyl ester     | 100.4 ±       | 0.5 µg/mL   | 007286-84-2 | RM03055     |
| 2,4-D methyl ester          | 100.2 ±       | 0.5 µg/mL   | 001928-38-7 | RM03040     |
| dalapon methyl ester        | 100.4 ±       | 0.5 µg/mL   | 017640-02-7 | RM14219     |
| 2,4-DB methyl ester         | 100.2 ±       | 0.5 µg/mL   | 018625-12-2 | RM03029     |
| DCPA                        | 100.2 ±       | 0.5 µg/mL   | 001861-32-1 | RM13426     |
| dicamba methyl ester        | 100.4 ±       | 0.5 µg/mL   | 006597-78-0 | RM03039     |
| methyl-3,5-dichlorobenzoate | 100.1 ±       | 0.5 µg/mL   | 002905-67-1 | RM03048     |
| dichlorprop methyl ester    | 100.4 ±       | 0.5 µg/mL   | 057153-17-0 | NT02086     |
| dinoseb methyl ether        | 100.5 ±       | 0.5 µg/mL   | 006099-79-2 | RM03051     |
| MCPA methyl ester           | 10031 ±       | 50 µg/mL    | 002436-73-9 | RM12863     |
| MCPP methyl ester           | 10031 ±       | 50 µg/mL    | 023844-56-6 | RM20060     |
| 4-nitroanisole              | 100.3 ±       | 0.5 µg/mL   | 000100-17-4 | RM02806     |
| pentachloroanisole          | 100.4 ±       | 0.5 µg/mL   | 001825-21-4 | RM02457     |
| picloram methyl ester       | 100.2 ±       | 0.5 µg/mL   | 014143-55-6 | RM03044     |
| silvex methyl ester         | 100.2 ±       | 0.5 µg/mL   | 004841-20-7 | RM03799     |
| 2,4,5-T methyl ester        | 100.4 ±       | 0.5 µg/mL   | 001928-37-6 | RM03033     |

**Matrix:** methanol (methyl alcohol)

**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.

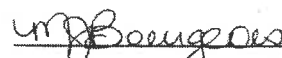
**Expiration of Certification:**

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.

**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

P12706 / (10)  
↓  
P12715  
✓ RAUF  
8.15.23



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



P12766  
↓  
P12785  
✓  
9.11.23

ISO 17034

**Reference Material Certificate**  
**Product Information Sheet**

**Product Name:** Chlorinated Herbicides Standard

**Lot Number:** 0006750243

**Product Number:** HBM-8151A-1

**Lot Issue Date:** 07-Jul-2023

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

**Expiration Date:** 31-Aug-2025

| Component Name               | Concentration     | Uncertainty | CAS#    | Analyte Lot |
|------------------------------|-------------------|-------------|---------|-------------|
| acifluorfen                  | 100.1 ± 0.5 µg/mL | 050594-66-6 | NT02057 |             |
| bentazon                     | 100.1 ± 0.5 µg/mL | 025057-89-0 | RM20289 |             |
| chloramben                   | 100.4 ± 0.5 µg/mL | 000133-90-4 | RM02698 |             |
| 2,4-D                        | 100.1 ± 0.5 µg/mL | 000094-75-7 | RM17172 |             |
| dalapon                      | 100.4 ± 0.5 µg/mL | 000075-99-0 | RM21030 |             |
| 2,4-DB                       | 100.1 ± 0.5 µg/mL | 000094-82-6 | RM02866 |             |
| tetrachloroterephthalic acid | 100.3 ± 0.5 µg/mL | 002136-79-0 | RM13887 |             |
| dicamba                      | 100.2 ± 0.5 µg/mL | 001918-00-9 | RM20089 |             |
| 3,5-dichlorobenzoic acid     | 100.0 ± 0.5 µg/mL | 000051-36-5 | RM02768 |             |
| dichlorprop                  | 100.0 ± 0.5 µg/mL | 000120-36-5 | RM20896 |             |
| dinoseb                      | 100.0 ± 0.5 µg/mL | 000088-85-7 | RM20667 |             |
| MCPA                         | 100.4 ± 50 µg/mL  | 000094-74-6 | RM12220 |             |
| MCPP (mecoprop)              | 100.37 ± 50 µg/mL | 000093-65-2 | RM09273 |             |
| 4-nitrophenol                | 100.1 ± 0.5 µg/mL | 000100-02-7 | RM03752 |             |
| pentachlorophenol            | 100.1 ± 0.5 µg/mL | 000087-86-5 | RM02474 |             |
| picloram                     | 100.4 ± 0.5 µg/mL | 001918-02-1 | RM20442 |             |
| silvex                       | 100.1 ± 0.5 µg/mL | 000093-72-1 | RM20208 |             |
| 2,4,5-T                      | 100.4 ± 0.5 µg/mL | 000093-76-5 | NT01808 |             |

**Matrix:** methanol (methyl alcohol)

**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:**

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**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

  
Monica Bourgeois  
QMS Representative

P12766 / (20)  
↓  
P12785 /  
✓  
9/11/2023

P12766  
 ↓  
 P12785  
 9.11.23  
 (20)

ISO 17034

## Reference Material Certificate

### Product Information Sheet

**Product Name:** Chlorinated Herbicides Standard

**Lot Number:** 0006750243

**Product Number:** HBM-8151A-1

**Lot Issue Date:** 07-Jul-2023

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

**Expiration Date:** 31-Aug-2025

| Component Name               | Concentration     | Uncertainty | CAS#    | Analyte Lot |
|------------------------------|-------------------|-------------|---------|-------------|
| acifluorfen                  | 100.1 ± 0.5 µg/mL | 050594-66-6 | NT02057 |             |
| bentazon                     | 100.1 ± 0.5 µg/mL | 025057-89-0 | RM20289 |             |
| chloramben                   | 100.4 ± 0.5 µg/mL | 000133-90-4 | RM02698 |             |
| 2,4-D                        | 100.1 ± 0.5 µg/mL | 000094-75-7 | RM17172 |             |
| dalapon                      | 100.4 ± 0.5 µg/mL | 000075-99-0 | RM21030 |             |
| 2,4-DB                       | 100.1 ± 0.5 µg/mL | 000094-82-6 | RM02866 |             |
| tetrachloroterephthalic acid | 100.3 ± 0.5 µg/mL | 002136-79-0 | RM13887 |             |
| dicamba                      | 100.2 ± 0.5 µg/mL | 001918-00-9 | RM20089 |             |
| 3,5-dichlorobenzoic acid     | 100.0 ± 0.5 µg/mL | 000051-36-5 | RM02768 |             |
| dichlorprop                  | 100.0 ± 0.5 µg/mL | 000120-36-5 | RM20896 |             |
| dinoseb                      | 100.0 ± 0.5 µg/mL | 000088-85-7 | RM20667 |             |
| MCPA                         | 100.4 ± 50 µg/mL  | 000094-74-6 | RM12220 |             |
| MCPP (mecoprop)              | 100.37 ± 50 µg/mL | 000093-65-2 | RM09273 |             |
| 4-nitrophenol                | 100.1 ± 0.5 µg/mL | 000100-02-7 | RM03752 |             |
| pentachlorophenol            | 100.1 ± 0.5 µg/mL | 000087-86-5 | RM02474 |             |
| picloram                     | 100.4 ± 0.5 µg/mL | 001918-02-1 | RM20442 |             |
| silvex                       | 100.1 ± 0.5 µg/mL | 000093-72-1 | RM20208 |             |
| 2,4,5-T                      | 100.4 ± 0.5 µg/mL | 000093-76-5 | NT01808 |             |

**Matrix:** methanol (methyl alcohol)

#### 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.

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**Maintenance of Certification:**

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

**Sample lot approver:**

  
Monica Bourgeois  
QMS Representative

P12766 / (20)  
↓  
P12785 / 1  
✓  
9/11/2023



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. :** 32049 **Lot No.:** A0212676  
**Description :** 2,4-Dichlorophenylacetic Acid Standard  
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2027 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.  
↓  
P13515 } 08/15/26

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4-dichlorophenylacetic acid | 19719-28-9 | STBK3827 | 99%    | 200.0 µg/mL                 | +/- 2.7154                             |

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

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:  
150mm x 4.6mm  
Allure C18 Cat. (#9164565)

Flow Rate:  
1.0 ml/min.

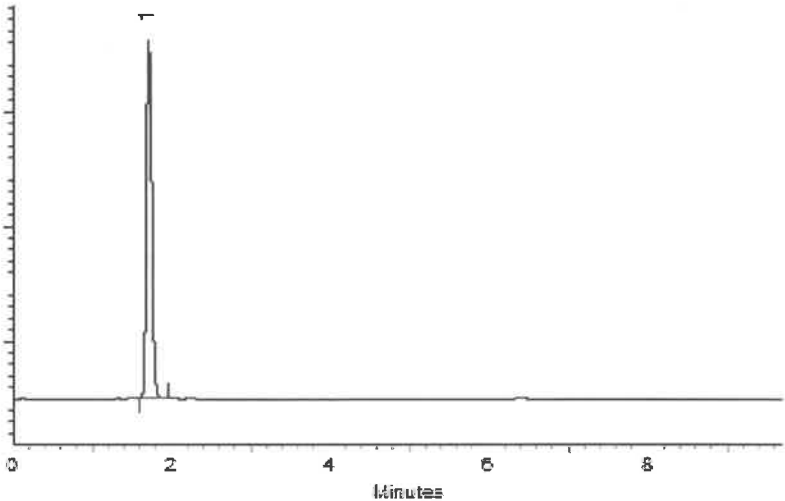
Mobile Phase A:  
0.14% H3PO4 in water

Mobile Phase B:  
acetonitrile

Mobile Phase Composition:  
90%B Isocratic

Det. Type:  
Wavelength: 220 & 254 nm

Inj. Vol  
5µl



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.

*Ethan Winiarski*  
Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024      Balance Serial # B345965662

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

Date Passed: 13-Jun-2024

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



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



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

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

**Catalog No. :** 32049 **Lot No.:** A0212676  
**Description :** 2,4-Dichlorophenylacetic Acid Standard  
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2027 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.  
↓  
P13515 } 08/15/26

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4-dichlorophenylacetic acid | 19719-28-9 | STBK3827 | 99%    | 200.0 µg/mL                 | +/- 2.7154                             |

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

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.



## Quality Confirmation Test

**Column:**  
150mm x 4.6mm  
Allure C18 Cat. (#9164565)

**Flow Rate:**  
1.0 ml/min.

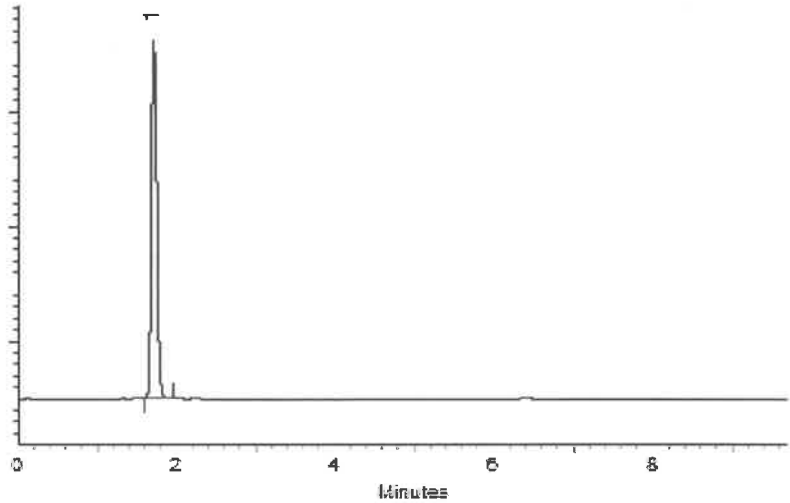
**Mobile Phase A:**  
0.14% H<sub>3</sub>PO<sub>4</sub> in water

**Mobile Phase B:**  
acetonitrile

**Mobile Phase Composition:**  
90%B Isocratic

**Det. Type:**  
Wavelength: 220 & 254 nm

**Inj. Vol**  
5µl

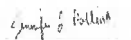


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Ethan Winiarski - Operations Tech I

**Date Mixed:** 11-Jun-2024

**Balance Serial #** B345965662

  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Jun-2024

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

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



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

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

**Catalog No. :** 32049 **Lot No.:** A0212676  
**Description :** 2,4-Dichlorophenylacetic Acid Standard  
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2027 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.  
↓  
P13515 } 08/15/26

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4-dichlorophenylacetic acid | 19719-28-9 | STBK3827 | 99%    | 200.0 µg/mL                 | +/- 2.7154                             |

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

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

## Quality Confirmation Test

**Column:**  
150mm x 4.6mm  
Allure C18 Cat. (#9164565)

**Flow Rate:**  
1.0 ml/min.

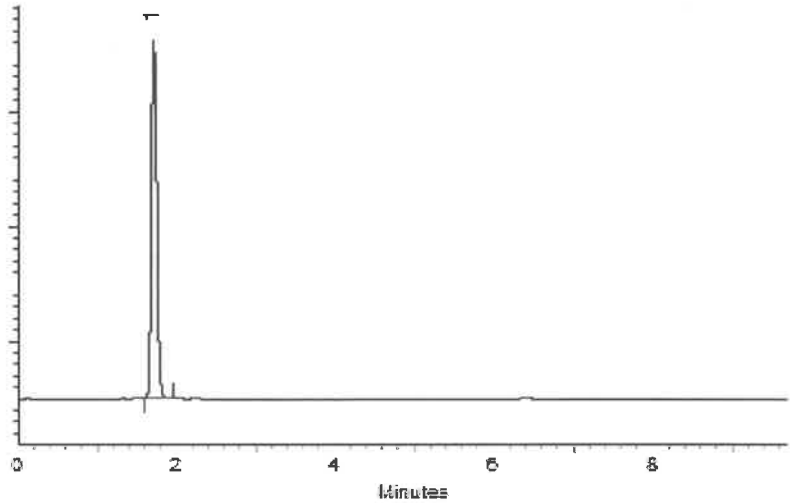
**Mobile Phase A:**  
0.14% H<sub>3</sub>PO<sub>4</sub> in water

**Mobile Phase B:**  
acetonitrile

**Mobile Phase Composition:**  
90%B Isocratic

**Det. Type:**  
Wavelength: 220 & 254 nm

**Inj. Vol**  
5µl

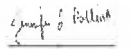


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Ethan Winiarski - Operations Tech I

**Date Mixed:** 11-Jun-2024

**Balance Serial #** B345965662

  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Jun-2024

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

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



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

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

**Catalog No. :** 32049 **Lot No.:** A0212676  
**Description :** 2,4-Dichlorophenylacetic Acid Standard  
2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** March 31, 2027 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive. **Ship:** Ambient

P13697 } Y.P.  
↓  
P13515 } 08/15/26

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2,4-dichlorophenylacetic acid | 19719-28-9 | STBK3827 | 99%    | 200.0 µg/mL                 | +/- 2.7154                             |

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

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Specific Reference Material Notes:

Failure to derivatize this standard will lead to incorrect quantitative results.

## Quality Confirmation Test

**Column:**  
150mm x 4.6mm  
Allure C18 Cat. (#9164565)

**Flow Rate:**  
1.0 ml/min.

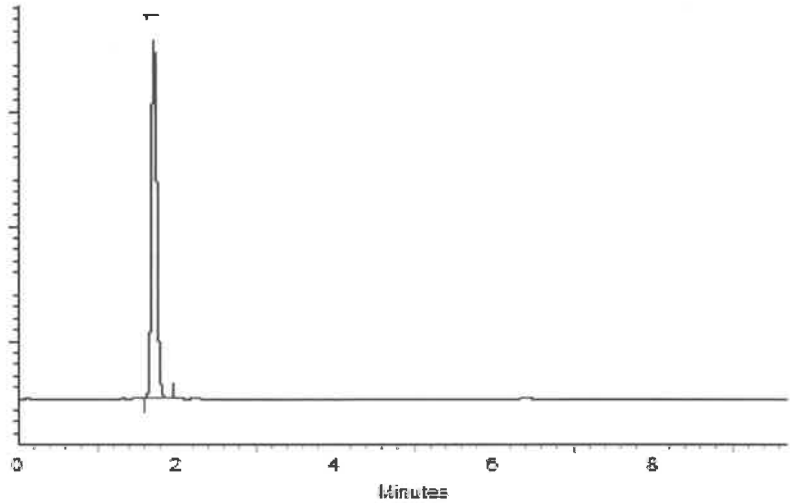
**Mobile Phase A:**  
0.14% H<sub>3</sub>PO<sub>4</sub> in water

**Mobile Phase B:**  
acetonitrile

**Mobile Phase Composition:**  
90%B Isocratic

**Det. Type:**  
Wavelength: 220 & 254 nm

**Inj. Vol**  
5µl

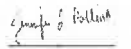


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Ethan Winiarski - Operations Tech I

**Date Mixed:** 11-Jun-2024

**Balance Serial #** B345965662

  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 13-Jun-2024

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

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.





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. :** 32254 **Lot No.:** A0148063  
**Description :** Dalapon methyl ester Standard  
Dalapon methyl ester 1000µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** April 30, 2026 **Storage:** 10°C or colder  
**Handling:** This product is photosensitive.

Received by  
SG on 8/16/19  
P8828  
P8826

### CERTIFIED VALUES

| Elution Order | Compound                       | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|--------------------------------|-----------------------------|--------------------------------------|
| 1             | Dalapon methyl ester           | 999.6 µg/mL                 | +/- 10.0697 µg/mL Gravimetric        |
|               | CAS # 17640-02-7 (Lot 1764600) |                             | +/- 34.4896 µg/mL Unstressed         |
|               | Purity 98%                     |                             | +/- 34.4896 µg/mL Stressed           |

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

**Column:**  
30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

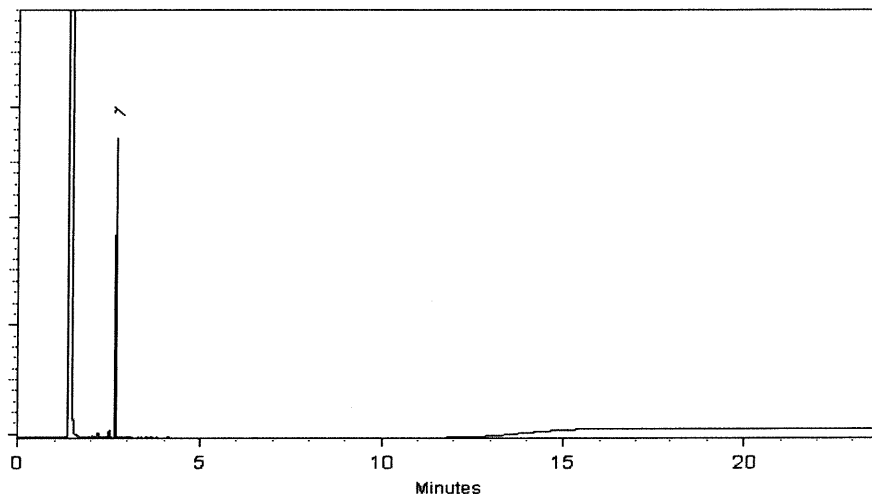
**Carrier Gas:**  
hydrogen-constant pressure 10 psi.

**Temp. Program:**  
75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

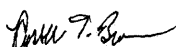
**Inj. Temp:**  
250°C

**Det. Temp:**  
330°C

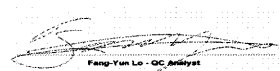
**Det. Type:**  
FID



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

  
Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Apr-2019      **Balance:** 1127510105

  
Feng-Yin Lo - QC Analyst

**Date Passed:** 15-Apr-2019

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



# CERTIFIED REFERENCE MATERIAL

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

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## Certificate of Analysis



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

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

Received by  
SG on 9/10/19  
P8892  
P8896

**Catalog No. :** 32059 **Lot No.:** A0152499

**Description :** Herbicide Mix #3/ME (Methyl Ester)  
Herbicide Mix #3/ME (Methyl Ester) 20,000 µg/mL, Hexane, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive.

### CERTIFIED VALUES

| Elution Order | Compound                                                                     | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|---------------|------------------------------------------------------------------------------|-----------------------------|--------------------------------------|
| 1             | MCPP (Mecoprop) methyl ester<br>CAS # 23844-56-6 (Lot 8685200)<br>Purity 99% | 20,004.0 µg/mL              | +/- 185.1208 µg/mL Gravimetric       |
|               |                                                                              |                             | +/- 685.5986 µg/mL Unstressed        |
|               |                                                                              |                             | +/- 685.5986 µg/mL Stressed          |
|               |                                                                              |                             |                                      |
| 2             | MCPA methyl ester<br>CAS # 2436-73-9 (Lot 7964600)<br>Purity 99%             | 20,012.0 µg/mL              | +/- 185.1948 µg/mL Gravimetric       |
|               |                                                                              |                             | +/- 685.8728 µg/mL Unstressed        |
|               |                                                                              |                             | +/- 685.8728 µg/mL Stressed          |
|               |                                                                              |                             |                                      |

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

**Column:**  
30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

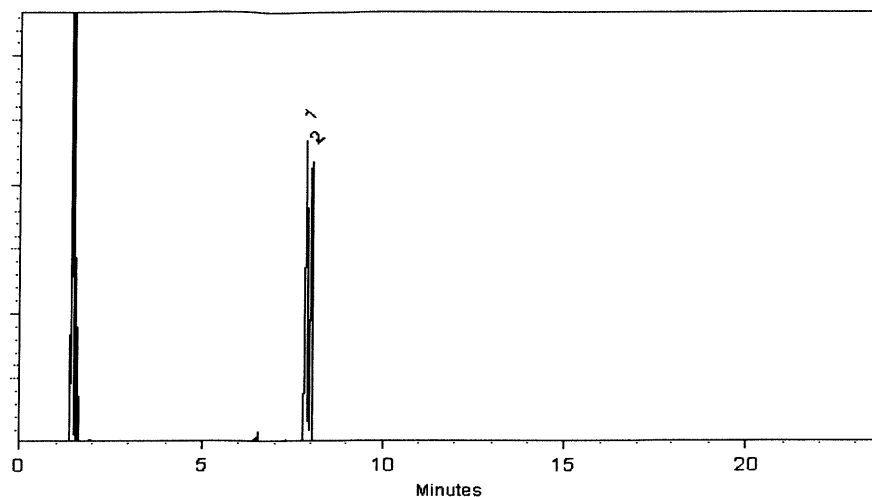
**Carrier Gas:**  
hydrogen-constant pressure 10 psi.

**Temp. Program:**  
75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
330°C

**Det. Type:**  
FID



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

*Russ Bookhamer*

Russ Bookhamer - Operations Technician I

Date Mixed: 03-Sep-2019

Balance: 1128360905

*Jennifer L. Pollino*

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 05-Sep-2019

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. : 32050 Lot No.: A0152705  
Description : 2,4-Dichlorophenylacetic Acid Methyl Ester Standard  
515 Surrogate (ester) 2, 4-dichlorophenyl Acetic Acid Methyl Ester  
200µg/mL, Hexane, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : June 30, 2026 Storage: 10°C or colder  
Handling: This product is photosensitive.

Received by  
SG on 10/11/19  
P8999  
-  
P9008

### CERTIFIED VALUES

| Elution Order | Compound                                    | Grav. Conc.<br>(weight/volume) | Expanded Uncertainty<br>(95% C.L.; K=2) |
|---------------|---------------------------------------------|--------------------------------|-----------------------------------------|
| 1             | 2,4-Dichlorophenyl acetic acid methyl ester | 200.0 µg/mL                    | +/- 1.4182 µg/mL Gravimetric            |
|               | CAS # 55954-23-9 (Lot CSC42194-01)          |                                | +/- 6.7507 µg/mL Unstressed             |
|               | Purity 99%                                  |                                | +/- 6.7507 µg/mL Stressed               |

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

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

75°C (hold 1 min.) to 330°C  
@ 20°C/min. (hold 10 min.)

**Inj. Temp:**

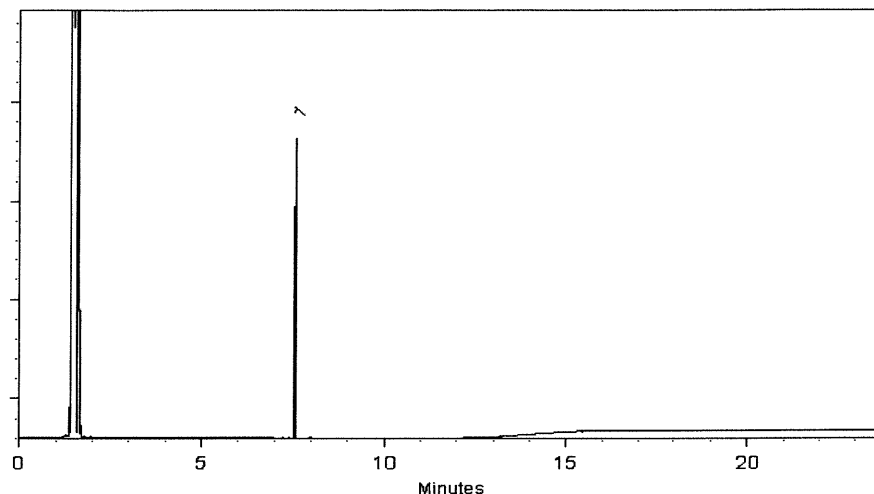
250°C

**Det. Temp:**

330°C

**Det. Type:**

FID



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.

*Cydnei L. Crust*  
Cydnei L. Crust - Mix Technician

**Date Mixed:** 09-Sep-2019

**Balance:** B707717271

*Fang-Yun Lo*  
Fang-Yun Lo - QC Analyst

**Date Passed:** 11-Sep-2019

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



# SHIPPING DOCUMENTS

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P4601

## USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024

CarrierName: FedEx

AirbillNo: 7795 7388 7635

## CHAIN OF CUSTODY RECORD

DAS #: R36704

Cooler #: Herbs 2

No: 3-102824-140828-0008

Lab: Chemtech Consulting Group

Lab Contact: Emanuel Hedvat

Lab Phone: 908-789-8900

| Sample Identifier    | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles               | Location | Collection Date/Time | For Lab Use Only |
|----------------------|----------------|----------------|--------------|----------------------------|----------------------------------------|----------|----------------------|------------------|
| ✓ PDA-SB09-20241022  | CC0Q1          | Soil/ START    | Grab         | HERB(21)                   | 1083 (<6C) (1)                         | SB09     | 10/22/2024 15:50     |                  |
| ✓ PDA-DUP02-20241022 | CC0Q6          | Soil/ START    | Grab         | HERB(21)                   | 1098 (<6C) (1)                         | DUP02    | 10/22/2024 12:00     |                  |
| ✓ PDA-DUP03-20241023 | CC0Q8          | Soil/ START    | Grab         | HERB(21)                   | 1104 (<6C) (1)                         | DUP03    | 10/23/2024 12:00     |                  |
| ✓ PDA-SB16-20241023  | CC0R3          | Soil/ START    | Grab         | HERB(21)                   | 1119 (<6C) (1)                         | SB16     | 10/23/2024 13:45     |                  |
| ✓ PDA-DUP04-20241023 | CC0R4          | Soil/ START    | Grab         | HERB(21)                   | 1122 (<6C) (1)                         | DUP04    | 10/23/2024 12:00     |                  |
| ✓ PDA-SB02-20241023  | CC0R5          | Soil/ START    | Grab         | HERB(21)                   | 1125 (<6C) (1)                         | SB02     | 10/23/2024 14:45     |                  |
| PDA-SS02-20241023    | CC0R6          | Soil/ START    | Grab         | HERB(21)                   | 1128 (<6C) (1)                         | SS02     | 10/23/2024 14:45     |                  |
| ✓ PDA-SB21-20241023  | CC0R7          | Soil/ START    | Grab         | HERB(21)                   | 1131 (<6C), 1147 (<6C), 1149 (<6C) (3) | SB21     | 10/23/2024 15:34     |                  |
|                      |                |                |              |                            |                                        |          |                      |                  |
|                      |                |                |              |                            |                                        |          |                      |                  |
|                      |                |                |              |                            |                                        |          |                      |                  |
|                      |                |                |              |                            |                                        |          |                      |                  |

|                                                                                         |                                             |
|-----------------------------------------------------------------------------------------|---------------------------------------------|
| Sample(s) to be used for Lab QC: PDA-SB21-20241023 Tag 1147, PDA-SB21-20241023 Tag 1149 | Shipment for Case Complete? N               |
|                                                                                         | Samples Transferred From Chain of Custody # |
| Analysis Key: HERB=Herbicides                                                           |                                             |

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time        | Received by (Signature and Organization) | Date/Time       | Sample Condition Upon Receipt |
|--------------|----------------------------------------------|------------------|------------------------------------------|-----------------|-------------------------------|
|              | John Shih START                              | 1645<br>10/28/24 | al                                       | 955<br>10-29-24 | 2K-Gar#1 2.8"                 |
|              |                                              |                  |                                          |                 | Custody Seal Intact           |
|              |                                              |                  |                                          |                 | Temp Blank present            |
|              |                                              |                  |                                          |                 |                               |



P4601

Page 1 of 2

## USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024

CarrierName: FedEx

AirbillNo: 7795 7388 7635

## CHAIN OF CUSTODY RECORD

DAS #: R36704

Cooler #: Herbs 2

No: 3-102824-140828-0008

Lab: Chemtech Consulting Group

Lab Contact: Emanuel Hedvat

Lab Phone: 908-789-8900

| Sample Identifier    | CLP Sample No. | Matrix/Sampler | Coll. Method | Analysis/Turnaround (Days) | Tag/Preservative/Bottles | Location | Collection Date/Time | For Lab Use Only |
|----------------------|----------------|----------------|--------------|----------------------------|--------------------------|----------|----------------------|------------------|
| ✓ PDA-SS01-20241022  | C0PI0          | Soil/ START    | Grab         | HERB(21)                   | 1012 (<6C) (1)           | SS01     | 10/22/2024 09:15     |                  |
| ✓ PDA-SB01-20241022  | C0PI2          | Soil/ START    | Grab         | HERB(21)                   | 1024 (<6C) (1)           | SB01     | 10/22/2024 09:15     |                  |
| ✓ PDA-SB20-20241022  | C0PI6          | Soil/ START    | Grab         | HERB(21)                   | 1038 (<6C) (1)           | SB20     | 10/22/2024 10:10     |                  |
| ✓ PDA-DUP01-20241022 | C0PI8          | Soil/ START    | Grab         | HERB(21)                   | 1044 (<6C) (1)           | DUP01    | 10/22/2024 12:00     |                  |
| ✓ PDA-SB03-20241022  | C0PI9          | Soil/ START    | Grab         | HERB(21)                   | 1047 (<6C) (1)           | SB03     | 10/22/2024 11:00     |                  |
| ✓ PDA-SB04-20241022  | CC0P1          | Soil/ START    | Grab         | HERB(21)                   | 1053 (<6C) (1)           | SB04     | 10/22/2024 11:55     |                  |
| ✓ PDA-SB05-20241022  | CC0P3          | Soil/ START    | Grab         | HERB(21)                   | 1059 (<6C) (1)           | SB05     | 10/22/2024 12:50     |                  |
| ✓ PDA-SB06-20241022  | CC0P5          | Soil/ START    | Grab         | HERB(21)                   | 1065 (<6C) (1)           | SB06     | 10/22/2024 13:55     |                  |
| ✓ PDA-SB07-20241022  | CC0P7          | Soil/ START    | Grab         | HERB(21)                   | 1071 (<6C) (1)           | SB07     | 10/22/2024 14:35     |                  |
| ✓ PDA-SB08-20241022  | CC0P9          | Soil/ START    | Grab         | HERB(21)                   | 1077 (<6C) (1)           | SB08     | 10/22/2024 15:15     |                  |

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Special Instructions:         | Shipment for Case Complete? N               |
|                               | Samples Transferred From Chain of Custody # |
| Analysis Key: HERB=Herbicides |                                             |

| Items/Reason | Relinquished by (Signature and Organization) | Date/Time     | Received by (Signature and Organization) | Date/Time    | Sample Condition Upon Receipt |
|--------------|----------------------------------------------|---------------|------------------------------------------|--------------|-------------------------------|
|              | John Skuh START                              | 10/28/24 1645 | CR                                       | 955 10-29-24 | FR-Gun #1 2.8"                |
|              |                                              |               |                                          |              | Custody Seal Intact           |
|              |                                              |               |                                          |              | Temp Blank present            |
|              |                                              |               |                                          |              |                               |

**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       |