

## Cover Page

**Order ID :** Q2032

**Project ID :** South River WM Replacement

**Client :** CDM Smith

### Lab Sample Number

Q2032-01  
Q2032-02  
Q2032-03  
Q2032-04  
Q2032-05  
Q2032-06  
Q2032-07  
Q2032-08  
Q2032-09  
Q2032-11  
Q2032-12

### Client Sample Number

TP-11  
TP-29  
TP-29-99  
TP-24  
Q2032-04MS  
Q2032-04MSD  
TP-37  
TP-32  
COMP-1  
FB-05132025  
TB

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: 5/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2032

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: PRADIP PRAJAPATI

Date: 05/21/2025

## LAB CHRONICLE

|                 |                    |                   |                                        |
|-----------------|--------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | Q2032              | <b>OrderDate:</b> | 5/13/2025 4:01:00 PM                   |
| <b>Client:</b>  | CDM Smith          | <b>Project:</b>   | South River WM Replacement             |
| <b>Contact:</b> | Marcie Ann Encinas | <b>Location:</b>  | L41,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID           | ClientID        | Matrix      | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-----------------|-------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2032-01</b> | <b>TP-11</b>    | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-02</b> | <b>TP-29</b>    | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/15/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-03</b> | <b>TP-29-99</b> | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-04</b> | <b>TP-24</b>    | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/15/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-07</b> | <b>TP-37</b>    | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-08</b> | <b>TP-32</b>    | <b>SOIL</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | Gasoline Range Organics | 8015D  |                 |           | 05/16/25  |                 |
|                 |                 |             | PCB                     | 8082A  |                 | 05/16/25  | 05/16/25  |                 |
|                 |                 |             | Pesticide-TCL           | 8081B  |                 | 05/16/25  | 05/16/25  |                 |
| <b>Q2032-09</b> | <b>COMP-1</b>   | <b>TCLP</b> |                         |        | <b>05/13/25</b> |           |           | <b>05/13/25</b> |
|                 |                 |             | TCLP Herbicide          | 8151A  |                 | 05/19/25  | 05/20/25  |                 |

## LAB CHRONICLE

| Q2032-11 | FB-05132025 | Water |                         |       | 05/13/25 |          | 05/13/25 |
|----------|-------------|-------|-------------------------|-------|----------|----------|----------|
|          |             |       | Diesel Range Organics   | 8015D |          | 05/16/25 | 05/19/25 |
|          |             |       | Gasoline Range Organics | 8015D |          |          | 05/14/25 |
|          |             |       | PCB                     | 8082A |          | 05/14/25 | 05/15/25 |
|          |             |       | Pesticide-TCL           | 8081B |          | 05/14/25 | 05/14/25 |

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

**SDG No.:** Q2032

**Order ID:** Q2032

**Client:** CDM Smith

**Project ID:** South River WM Replacement

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

Client ID :

**Total Concentration:** 0.000



# QC SUMMARY

### Surrogate Summary

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8151A

| Lab Sample ID    | Client ID          | Parameter | Column | Spike | Result | Rec | Qual | Limits |      |
|------------------|--------------------|-----------|--------|-------|--------|-----|------|--------|------|
|                  |                    |           |        |       |        |     |      | Low    | High |
| I.BLK-PS030124.D | PIBLK-PS030124.D   | 2,4-DCAA  | 1      | 500   | 419    | 84  |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 418    | 84  |      | 39     | 175  |
| I.BLK-PS030287.D | PIBLK-PS030287.D   | 2,4-DCAA  | 1      | 500   | 463    | 93  |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 462    | 92  |      | 39     | 175  |
| PB168065BL       | PB168065BL         | 2,4-DCAA  | 1      | 500   | 459    | 92  |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 430    | 86  |      | 39     | 175  |
| PB168065BS       | PB168065BS         | 2,4-DCAA  | 1      | 500   | 548    | 110 |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 535    | 107 |      | 39     | 175  |
| PB167994TB       | PB167994TB         | 2,4-DCAA  | 1      | 500   | 736    | 147 |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 494    | 99  |      | 39     | 175  |
| Q2027-03MS       | B27-SOIL-SAMPLEMS  | 2,4-DCAA  | 1      | 500   | 508    | 102 |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 497    | 99  |      | 39     | 175  |
| Q2027-03MSD      | B27-SOIL-SAMPLEMSD | 2,4-DCAA  | 1      | 500   | 510    | 102 |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 496    | 99  |      | 39     | 175  |
| Q2032-09         | COMP-1             | 2,4-DCAA  | 1      | 500   | 719    | 144 |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 467    | 93  |      | 39     | 175  |
| I.BLK-PS030299.D | PIBLK-PS030299.D   | 2,4-DCAA  | 1      | 500   | 469    | 94  |      | 39     | 175  |
|                  |                    | 2,4-DCAA  | 2      | 500   | 463    | 93  |      | 39     | 175  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8151A</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PS030295.D</u> |

| Lab Sample ID:                             | Parameter        | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|--------------------------------------------|------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID: B27-SOIL-SAMPLEMS</b> |                  |       |               |        |       |     |          |     |          |     |             |     |
| Q2027-03MS<br>(Column 1)                   | 2,4-D            | 50    | 0             | 56.4   | ug/L  | 113 |          |     |          | 65  | 135         |     |
|                                            | 2,4,5-TP(Silvex) | 50    | 0             | 52.7   | ug/L  | 105 |          |     |          | 62  | 139         |     |
| <b>Client Sample ID: B27-SOIL-SAMPLEMS</b> |                  |       |               |        |       |     |          |     |          |     |             |     |
| Q2027-03MS<br>(Column 2)                   | 2,4-D            | 50    | 0             | 57.1   | ug/L  | 114 |          |     |          | 65  | 135         |     |
|                                            | 2,4,5-TP(Silvex) | 50    | 0             | 54.3   | ug/L  | 109 |          |     |          | 62  | 139         |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8151A</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PS030296.D</u> |

| Lab Sample ID:                                        | Parameter                          | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-------------------------------------------------------|------------------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2027-03MSD<br>(Column 1) | <b>B27-SOIL-SAMPLEMSD</b><br>2,4-D | 50    | 0             | 56.5   | ug/L  | 113 |          | 0   |          | 65  | 135         | 20  |
|                                                       | 2,4,5-TP(Silvex)                   | 50    | 0             | 52.6   | ug/L  | 105 |          | 0   |          | 62  | 139         | 20  |
| <b>Client Sample ID:</b><br>Q2027-03MSD<br>(Column 2) | <b>B27-SOIL-SAMPLEMSD</b><br>2,4-D | 50    | 0             | 56.9   | ug/L  | 114 |          | 0   |          | 65  | 135         | 20  |
|                                                       | 2,4,5-TP(Silvex)                   | 50    | 0             | 53.9   | ug/L  | 108 |          | 0   |          | 62  | 139         | 20  |



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

**SW-846**

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2032</u>     | <b>Analytical Method:</b> | <u>8151A</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>Datafile :</b>         | <u>PS030292.D</u> |

| Lab Sample ID            | Parameter        | Spike | Result | Units | Rec | RPD | Qual | RPD  | Low | Limits | RPD |
|--------------------------|------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|                          |                  |       |        |       |     |     |      | Qual |     | High   |     |
| PB168065BS<br>(Column 1) | 2,4-D            | 5     | 5.20   | ug/L  | 104 |     |      |      | 83  | 130    |     |
|                          | 2,4,5-TP(Silvex) | 5     | 5.20   | ug/L  | 104 |     |      |      | 78  | 127    |     |
| PB168065BS<br>(Column 2) | 2,4-D            | 5     | 5.10   | ug/L  | 102 |     |      |      | 83  | 130    |     |
|                          | 2,4,5-TP(Silvex) | 5     | 5.20   | ug/L  | 104 |     |      |      | 78  | 127    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168065BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: PB168065BL

Lab File ID: PS030291.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/19/2025

Date Analyzed (1): 05/19/2025

Date Analyzed (2): 05/19/2025

Time Analyzed (1): 22:38

Time Analyzed (2): 22:38

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 |
|--------------------|------------------|----------------|--------------------|--------------------|
| PB168065BS         | PB168065BS       | PS030292.D     | 05/19/2025         | 05/19/2025         |
| PB167994TB         | PB167994TB       | PS030293.D     | 05/19/2025         | 05/19/2025         |
| B27-SOIL-SAMPLEMS  | Q2027-03MS       | PS030295.D     | 05/20/2025         | 05/20/2025         |
| B27-SOIL-SAMPLEMSD | Q2027-03MSD      | PS030296.D     | 05/20/2025         | 05/20/2025         |
| COMP-1             | Q2032-09         | PS030298.D     | 05/20/2025         | 05/20/2025         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     | 05/19/25         |
| Client Sample ID:  | PB167994TB                 | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB167994TB                 | Matrix:            | TCLP             |
| Analytical Method: | 8151A                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 100      Units:    mL      | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | TCLP 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 |
| PS030293.D        | 1         | 05/19/25 09:15 | 05/19/25 23:26 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 9.20  | U         | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 7.80  | U         | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 736   |           | 39 - 175 | 147%       | 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\PS051925\  
 Data File : PS030293.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 May 2025 23:26  
 Operator : AR\AJ  
 Sample : PB167994TB  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 PB167994TB

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 20 05:47:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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               | 6.934 | 7.449 | 2097.1E6 | 395.0E6 | 736.385 | 493.590m# |

Target Compounds

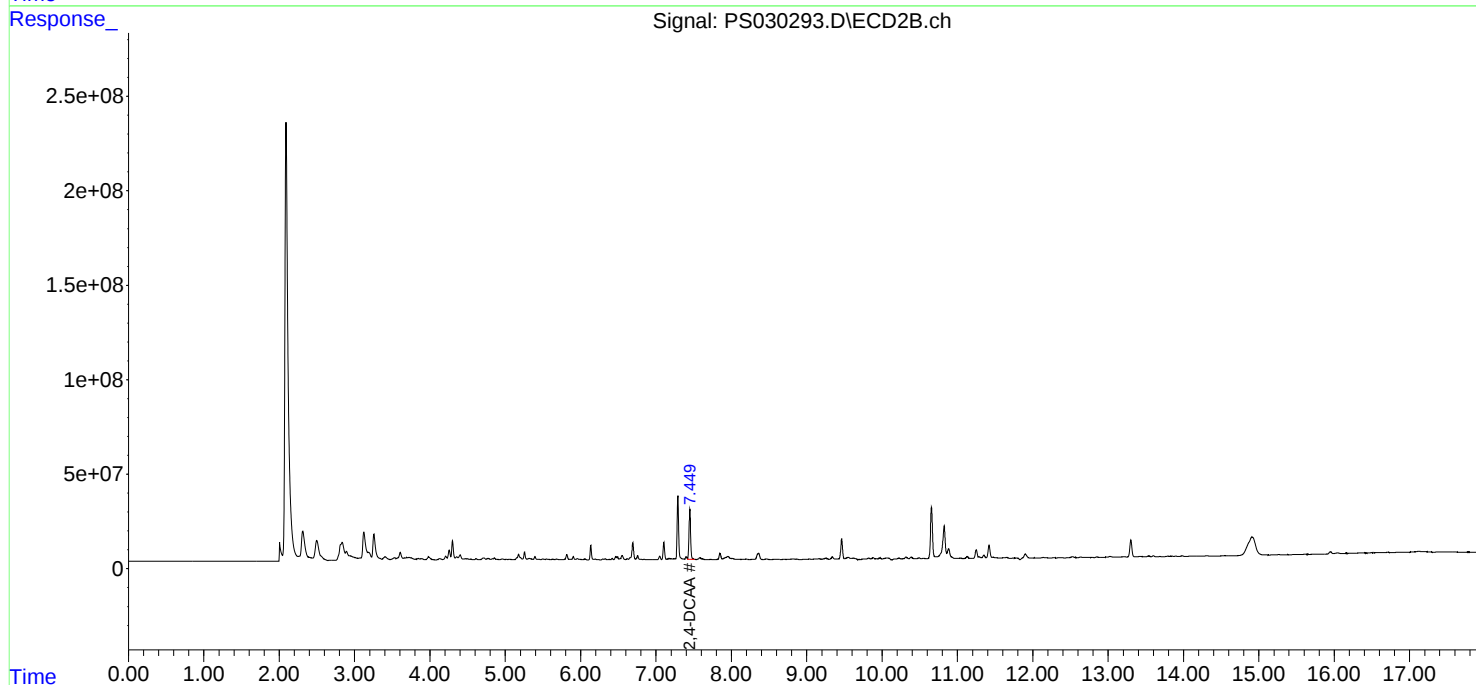
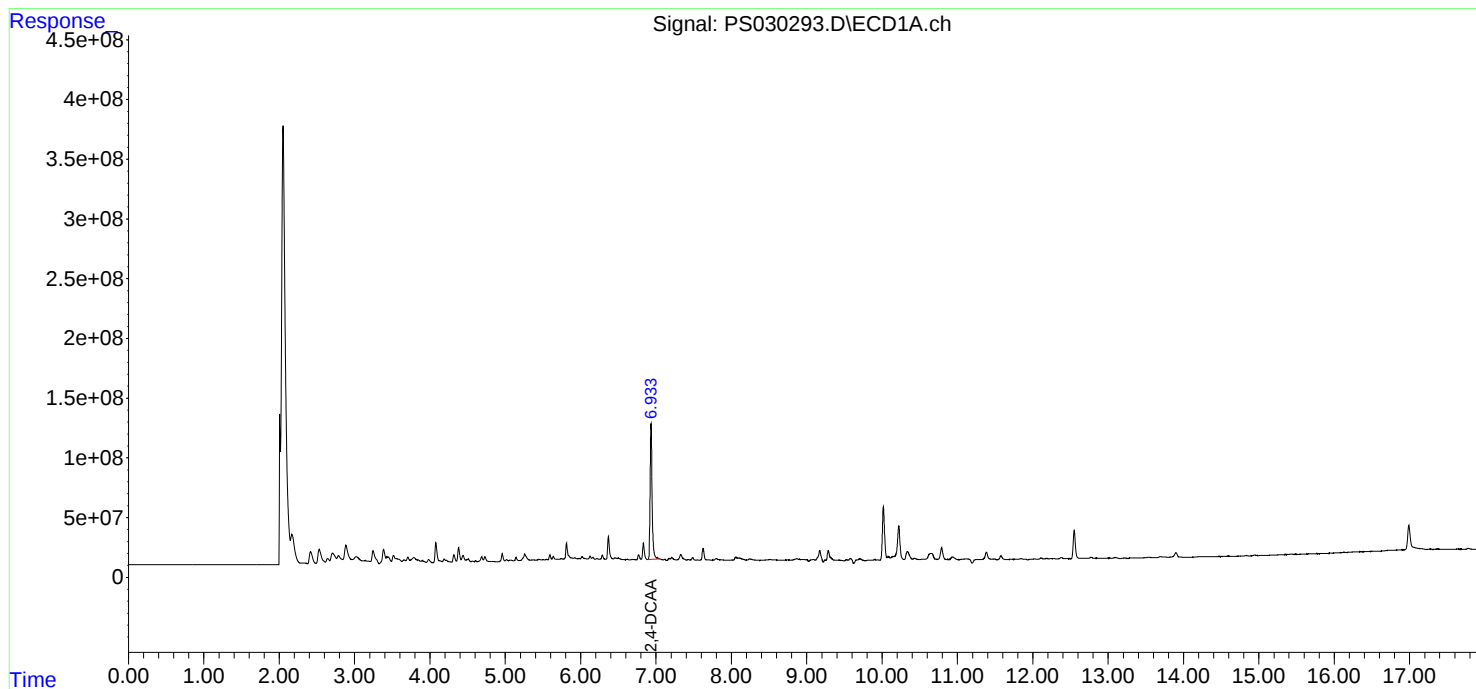
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

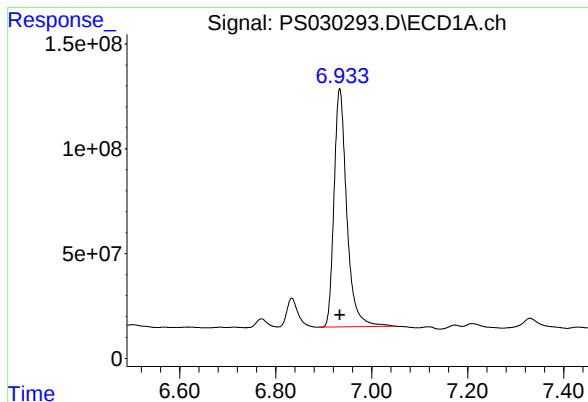
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030293.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 23:26  
Operator : AR\AJ  
Sample : PB167994TB  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB167994TB

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:47:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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.: 6.934 min

Delta R.T.: 0.000 min

Response: 2097083910

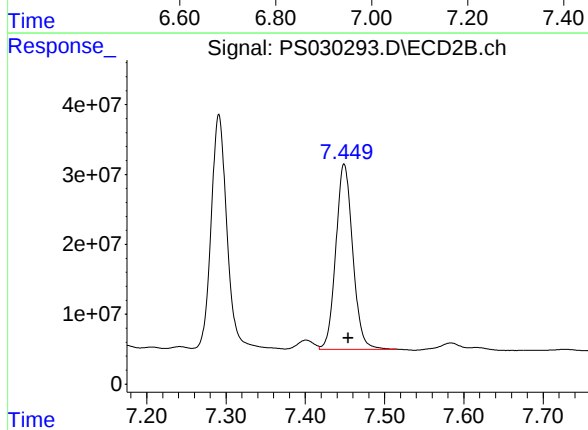
Conc: 736.39 ng/ml

Instrument :

ECD\_S

ClientSampleId :

PB167994TB



#4 2,4-DCAA

R.T.: 7.449 min

Delta R.T.: -0.005 min

Response: 394972687

Conc: 493.59 ng/ml m

## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/13/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25       |
| Client Sample ID:  | COMP-1                     | SDG No.:           | Q2032          |
| Lab Sample ID:     | Q2032-09                   | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 100                        | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | 8151A                      | Injection Volume : |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030298.D        | 1         | 05/19/25 09:15 | 05/20/25 01:27 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 9.20  | U         | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 7.80  | U         | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 719   |           | 39 - 175 | 144%       | 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\PS051925\  
Data File : PS030298.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 01:27  
Operator : AR\AJ  
Sample : Q2032-09  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
COMP-1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:50:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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               | 6.933 | 7.449 | 2046.8E6 | 373.6E6 | 718.745 | 466.899 # |

Target Compounds  
-----

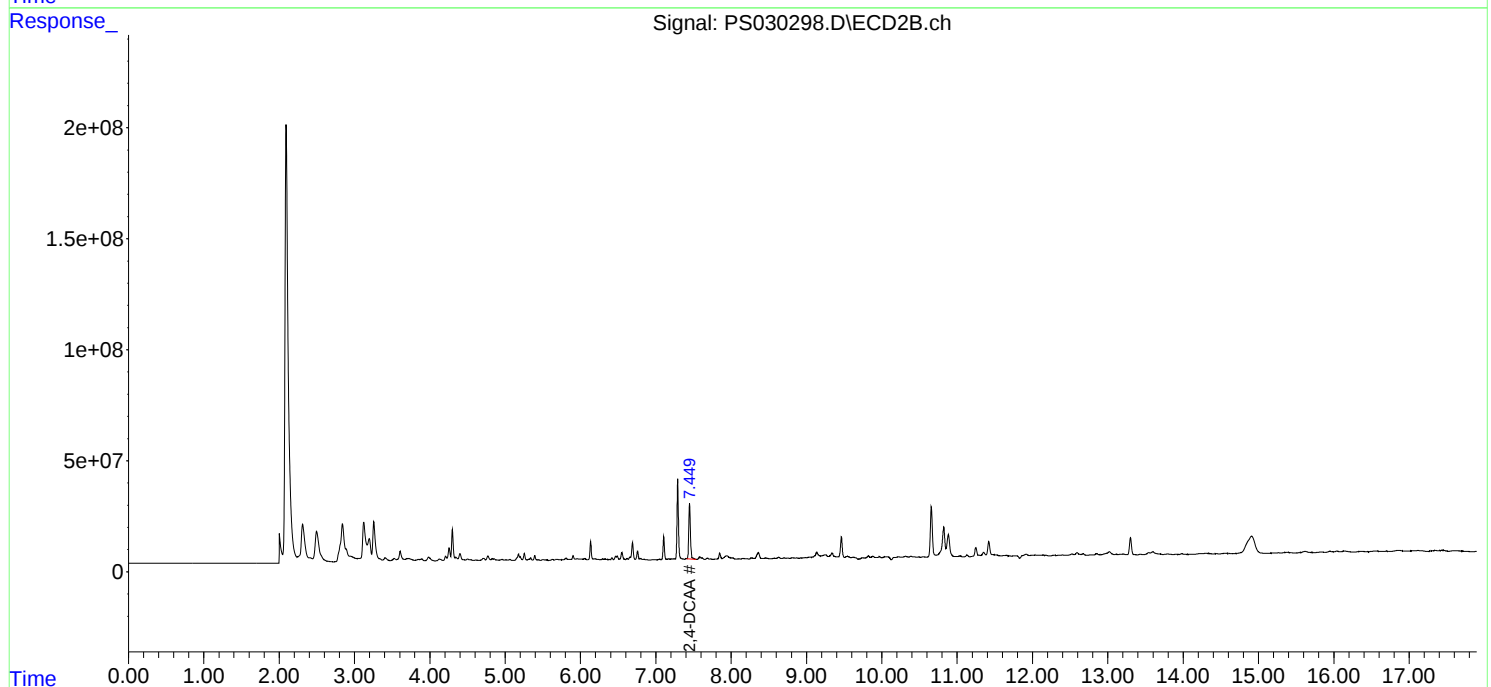
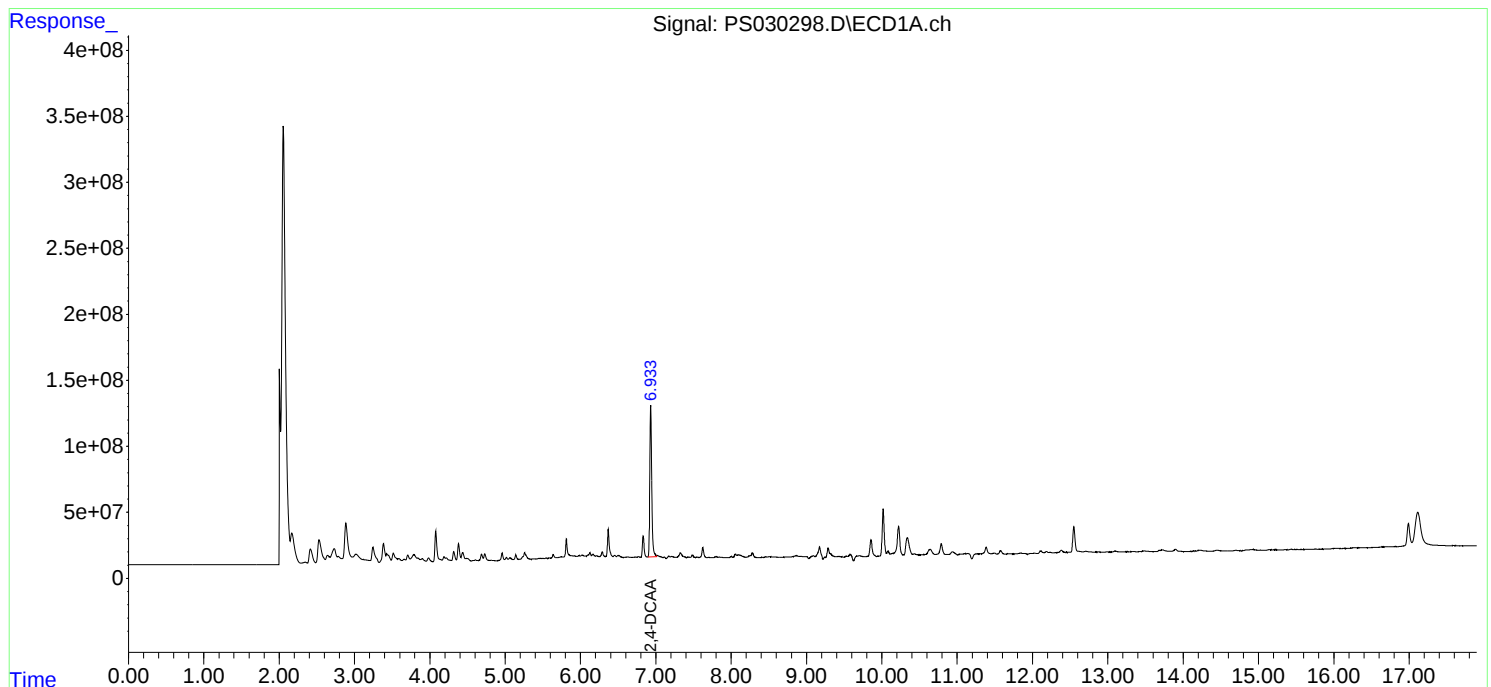
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

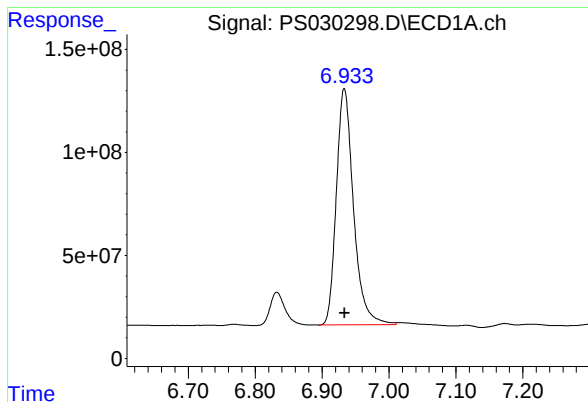
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030298.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 01:27  
Operator : AR\AJ  
Sample : Q2032-09  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
COMP-1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:50:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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.: 6.933 min

Delta R.T.: 0.000 min

Response: 2046847367

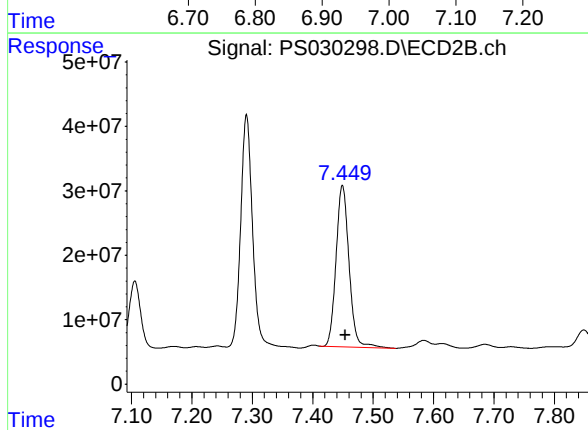
Conc: 718.74 ng/ml

Instrument :

ECD\_S

ClientSampleId :

COMP-1



#4 2,4-DCAA

R.T.: 7.449 min

Delta R.T.: -0.005 min

Response: 373614543

Conc: 466.90 ng/ml



# CALIBRATION SUMMARY

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

|              |            |                   |            |                      |
|--------------|------------|-------------------|------------|----------------------|
| LAB FILE ID: | RT 200 =   | <u>PS030125.D</u> | RT 500 =   | <u>PS030126.D</u>    |
| RT 750 =     | PS030127.D | RT 1000 =         | PS030128.D | RT 1500 = PS030129.D |

[illegible]

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

|              |            |                   |            |                   |
|--------------|------------|-------------------|------------|-------------------|
| LAB FILE ID: | RT 200 =   | <u>PS030125.D</u> | RT 500 =   | <u>PS030126.D</u> |
| RT 750 =     | PS030127.D | RT 1000 =         | PS030128.D | RT 1500 =         |
|              |            |                   |            | PS030129.D        |

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CAMP02  
**Lab Code:** CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032  
**Instrument ID:** ECD\_S **Calibration Date(s):** 05/12/2025 05/12/2025  
**Calibration Times:** 12:30 14:06  
  
**GC Column:** RTX-CLP **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b>               |             | <b>CF 200 =</b> <u>PS030125.D</u>  |             | <b>CF 500 =</b> <u>PS030126.D</u>  |             |             |       |
|-----------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|-------------|-------|
| <b>CF 750 =</b> <u>PS030127.D</u> |             | <b>CF 1000 =</b> <u>PS030128.D</u> |             | <b>CF 1500 =</b> <u>PS030129.D</u> |             |             |       |
| COMPOUND                          | CF 200      | CF 500                             | CF 750      | CF 1000                            | CF 1500     | CF          | % RSD |
| 2,4,5-TP(Silvex)                  | 19321200000 | 16303400000                        | 15619800000 | 15128700000                        | 14606800000 | 16196000000 | 11    |
| 2,4-D                             | 4048870000  | 3291910000                         | 3113030000  | 3014870000                         | 2926010000  | 3278940000  | 14    |
| 2,4-DCAA                          | 3540840000  | 2868830000                         | 2702520000  | 2609290000                         | 2517560000  | 2847810000  | 14    |



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

### CALIBRATION FACTOR OF INITIAL CALIBRATION

**Contract:** CAMP02  
**Lab Code:** CHEM **Case No.:** Q2032 **SAS No.:** Q2032 **SDG NO.:** Q2032  
**Instrument ID:** ECD\_S **Calibration Date(s):** 05/12/2025 05/12/2025  
**Calibration Times:** 12:30 14:06  
  
**GC Column:** RTX-CLP2 **ID:** 0.32 (mm)

| <b>LAB FILE ID:</b> |             | CF 200 =          | <u>PS030125.D</u> | CF 500 =          | <u>PS030126.D</u> |                   |          |
|---------------------|-------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| CF 750 =            |             | <u>PS030127.D</u> | CF 1000 =         | <u>PS030128.D</u> | CF 1500 =         | <u>PS030129.D</u> |          |
| COMPOUND            | CF 200      | CF 500            | CF 750            | CF 1000           | CF 1500           | CF                | %<br>RSD |
| 2,4,5-TP(Silvex)    | 10913400000 | 9868000000        | 9697110000        | 9517670000        | 9255920000        | 9850430000        | 6        |
| 2,4-D               | 1480680000  | 1290430000        | 1248060000        | 1225910000        | 1207420000        | 1290500000        | 9        |
| 2,4-DCAA            | 922885000   | 799420000         | 773490000         | 758361000         | 746863000         | 800204000         | 9        |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030125.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 12:30  
 Operator : AR\AJ  
 Sample : HSTDICC200  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC200

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 13:50:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 13:43:14 2025  
 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     | 6.934  | 7.454  | 708.2E6  | 184.6E6  | 233.150 | 221.866  |
| Target Compounds            |              |        |        |          |          |         |          |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 1161.8E6 | 445.3E6  | 230.933 | 208.837  |
| 2) T                        | 3,5-DICHL... | 6.138  | 6.453  | 948.7E6  | 240.0E6  | 214.407 | 195.017  |
| 3) T                        | 4-Nitroph... | 6.725  | 6.989  | 439.9E6  | 195.9E6  | 203.363 | 173.219  |
| 5) T                        | DICAMBA      | 7.109  | 7.639  | 2568.3E6 | 946.6E6  | 211.650 | 199.141  |
| 6) T                        | MCPD         | 7.286  | 7.744  | 110.4E6  | 32616416 | 14.656  | 18.070   |
| 7) T                        | MCPA         | 7.428  | 7.974  | 200.2E6  | 49441444 | 19.272  | 18.610   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.332  | 681.8E6  | 261.1E6  | 219.198 | 211.296  |
| 9) T                        | 2,4-D        | 8.011  | 8.644  | 761.2E6  | 278.4E6  | 218.443 | 207.780  |
| 10) T                       | Pentachlo... | 8.286  | 9.144  | 9450.6E6 | 5262.3E6 | 215.768 | 204.481  |
| 11) T                       | 2,4,5-TP ... | 8.850  | 9.522  | 3671.0E6 | 2073.6E6 | 214.913 | 204.100  |
| 12) T                       | 2,4,5-T      | 9.133  | 9.927  | 3763.2E6 | 1952.2E6 | 215.342 | 205.137  |
| 13) T                       | 2,4-DB       | 9.691  | 10.485 | 536.3E6  | 241.1E6  | 202.273 | 228.178  |
| 14) T                       | DINOSEB      | 10.850 | 10.858 | 2592.3E6 | 1452.1E6 | 214.384 | 205.126  |
| 15) T                       | Picloram     | 10.672 | 11.892 | 4602.8E6 | 2955.0E6 | 207.830 | 206.560m |
| 16) T                       | DCPA         | 11.152 | 11.892 | 4589.7E6 | 2821.7E6 | 217.427 | 194.524m |
| -----                       |              |        |        |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030125.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 12:30  
Operator : AR\AJ  
Sample : HSTDICC200  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC200

## Manual Integrations

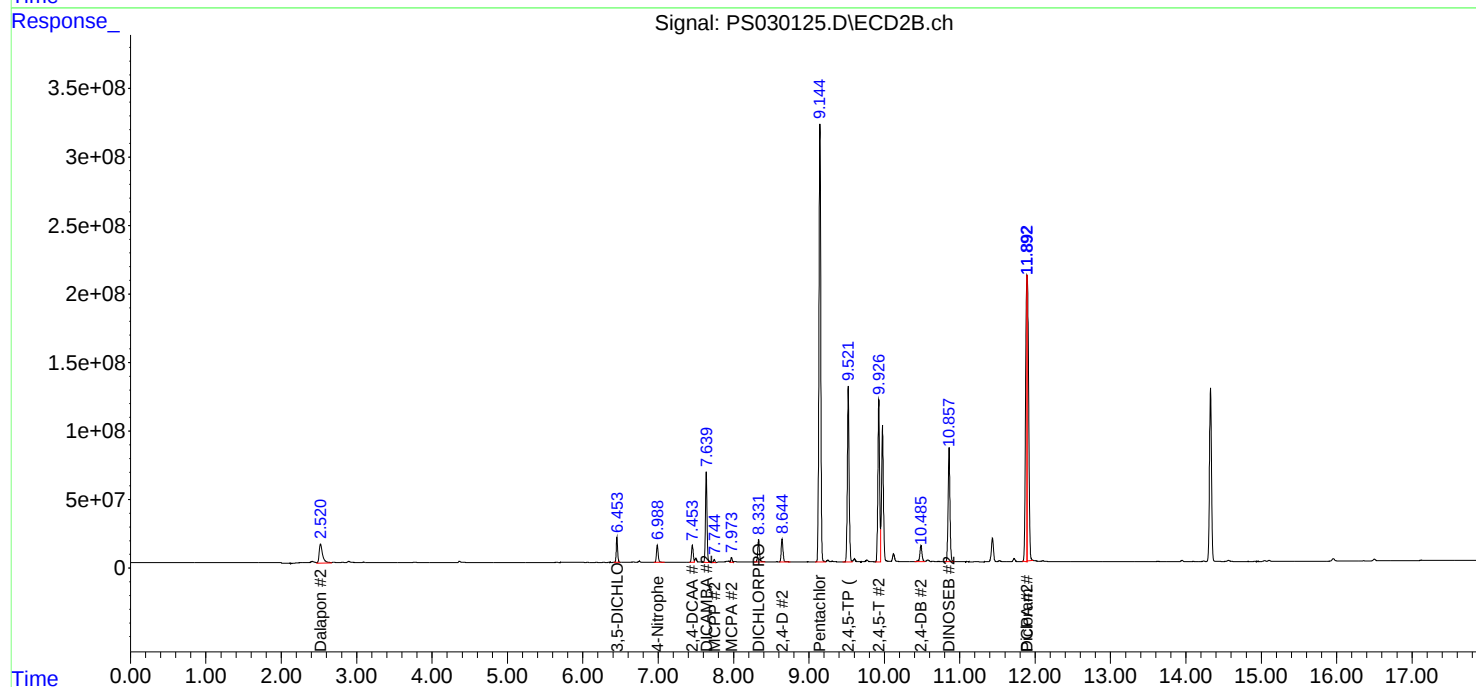
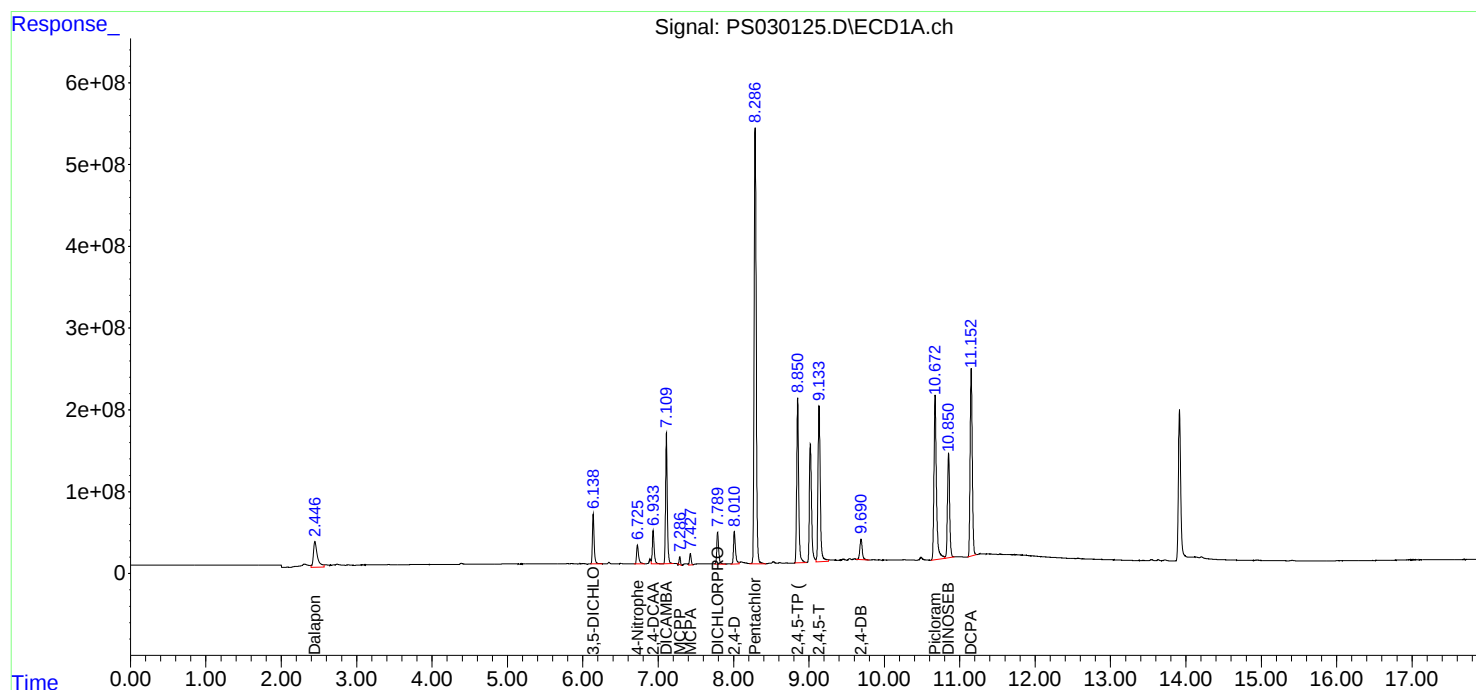
## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 13:50:05 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 13:43:14 2025  
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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030126.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 12:54  
 Operator : AR\AJ  
 Sample : HSTDICC500  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

**Instrument :**

ECD\_S

**ClientSampleId :**

HSTDICC500

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 13:47:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 13:43:14 2025  
 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     | 6.933  | 7.454  | 1434.4E6  | 399.7E6   | 514.926 | 508.243  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.447  | 2.520  | 2243.7E6  | 920.5E6   | 471.266 | 466.069  |
| 2) T                        | 3,5-DICHL... | 6.138  | 6.453  | 1954.7E6  | 604.8E6   | 478.289 | 503.770  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 957.1E6   | 626.7E6   | 470.076 | 541.042  |
| 5) T                        | DICAMBA      | 7.109  | 7.639  | 5452.8E6  | 2196.7E6  | 479.532 | 471.133  |
| 6) T                        | MCPD         | 7.287  | 7.746  | 351.0E6   | 83878837  | 46.529  | 45.584   |
| 7) T                        | MCPA         | 7.429  | 7.975  | 474.0E6   | 124.4E6   | 46.459  | 46.843   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.332  | 1377.7E6  | 553.4E6   | 483.005 | 477.421  |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 1547.2E6  | 606.5E6   | 483.126 | 477.844  |
| 10) T                       | Pentachlo... | 8.286  | 9.145  | 19907.6E6 | 11940.1E6 | 487.580 | 482.342  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 7744.1E6  | 4687.3E6  | 485.171 | 479.149  |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 7931.4E6  | 4385.5E6  | 486.289 | 479.945  |
| 13) T                       | 2,4-DB       | 9.690  | 10.485 | 1219.4E6  | 452.4E6   | 475.256 | 475.987  |
| 14) T                       | DINOSEB      | 10.851 | 10.859 | 5403.8E6  | 3216.0E6  | 480.627 | 475.978  |
| 15) T                       | Picloram     | 10.672 | 11.894 | 10147.5E6 | 6755.0E6  | 480.746 | 488.999m |
| 16) T                       | DCPA         | 11.152 | 11.893 | 9696.2E6  | 6912.8E6  | 491.912 | 476.219m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030126.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 12:54  
Operator : AR\AJ  
Sample : HSTDICC500  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC500

## Manual Integrations

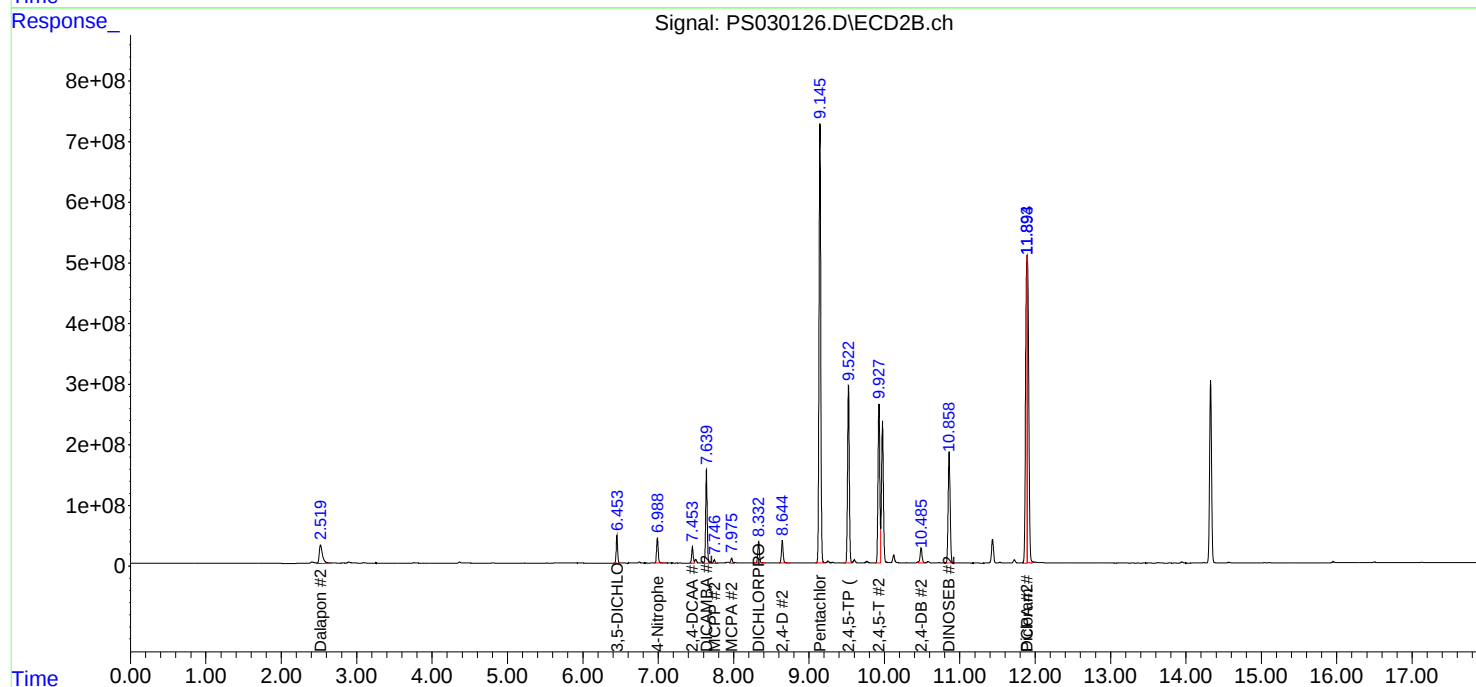
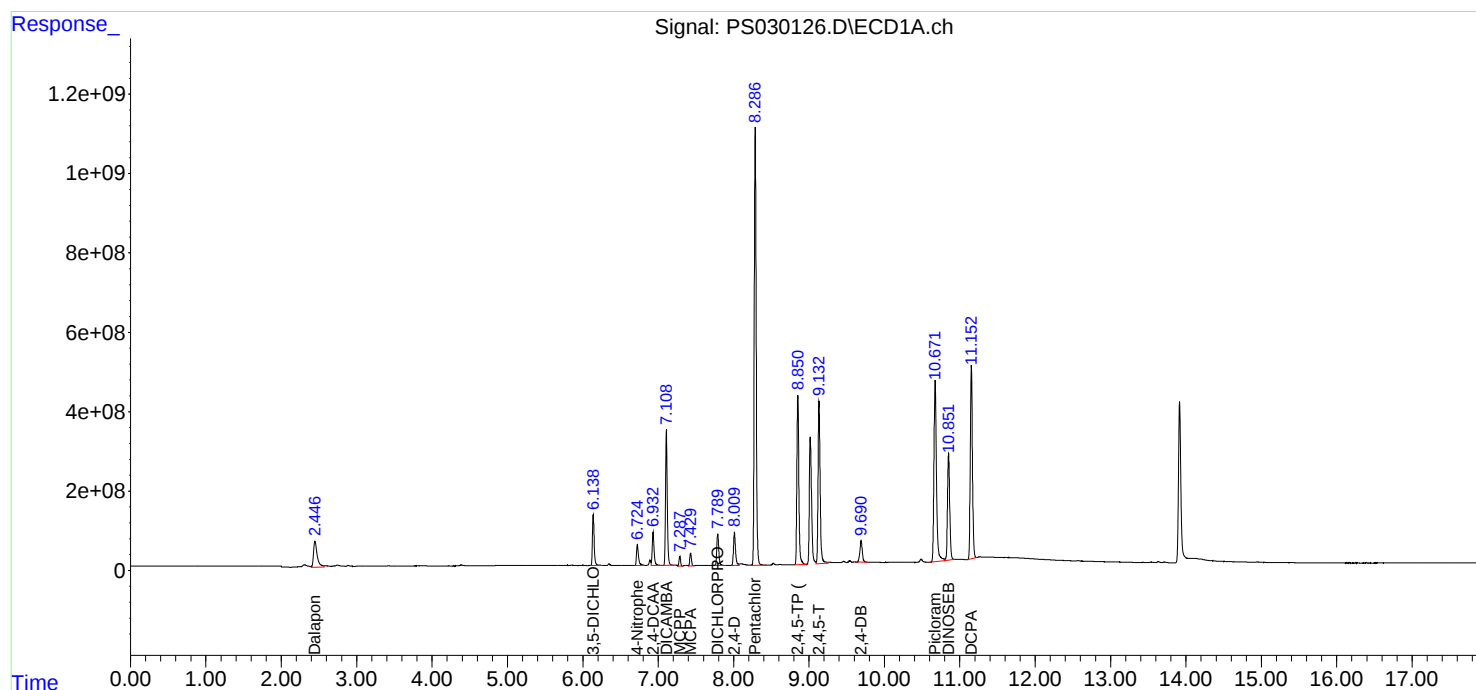
## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 13:47:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 13:43:14 2025  
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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030127.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 13:18  
 Operator : AR\AJ  
 Sample : HSTDICC750  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

**Instrument :**

ECD\_S

**ClientSampleId :**

HSTDICC750

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 13:43:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 13:43:14 2025  
 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     | 6.934  | 7.454  | 2026.9E6  | 580.1E6   | 750.000 | 750.000  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 3133.2E6  | 1315.1E6  | 682.500 | 682.500  |
| 2) T                        | 3,5-DICHL... | 6.138  | 6.453  | 2769.2E6  | 767.6E6   | 697.500 | 697.500  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 1343.5E6  | 641.1E6   | 682.500 | 682.500  |
| 5) T                        | DICAMBA      | 7.110  | 7.639  | 7854.1E6  | 3279.2E6  | 705.000 | 705.000  |
| 6) T                        | MCPD         | 7.289  | 7.747  | 537.2E6   | 133.6E6   | 70.500  | 70.500   |
| 7) T                        | MCPA         | 7.431  | 7.977  | 712.2E6   | 183.9E6   | 69.750  | 69.750   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.332  | 1955.3E6  | 804.4E6   | 705.000 | 705.000  |
| 9) T                        | 2,4-D        | 8.010  | 8.644  | 2194.7E6  | 879.9E6   | 705.000 | 705.000  |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 28320.5E6 | 17364.8E6 | 712.500 | 712.500  |
| 11) T                       | 2,4,5-TP ... | 8.850  | 9.523  | 11129.1E6 | 6909.2E6  | 712.500 | 712.500  |
| 12) T                       | 2,4,5-T      | 9.133  | 9.926  | 11344.7E6 | 6442.6E6  | 712.500 | 712.500  |
| 13) T                       | 2,4-DB       | 9.689  | 10.485 | 1827.1E6  | 675.8E6   | 712.500 | 712.500  |
| 14) T                       | DINOSEB      | 10.851 | 10.858 | 7747.2E6  | 4702.8E6  | 705.000 | 705.000  |
| 15) T                       | Picloram     | 10.670 | 11.894 | 14857.3E6 | 9721.1E6  | 712.500 | 727.171m |
| 16) T                       | DCPA         | 11.153 | 11.893 | 13839.9E6 | 10000.3E6 | 720.000 | 727.183m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030127.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 13:18  
Operator : AR\AJ  
Sample : HSTDICC750  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC750

## Manual Integrations

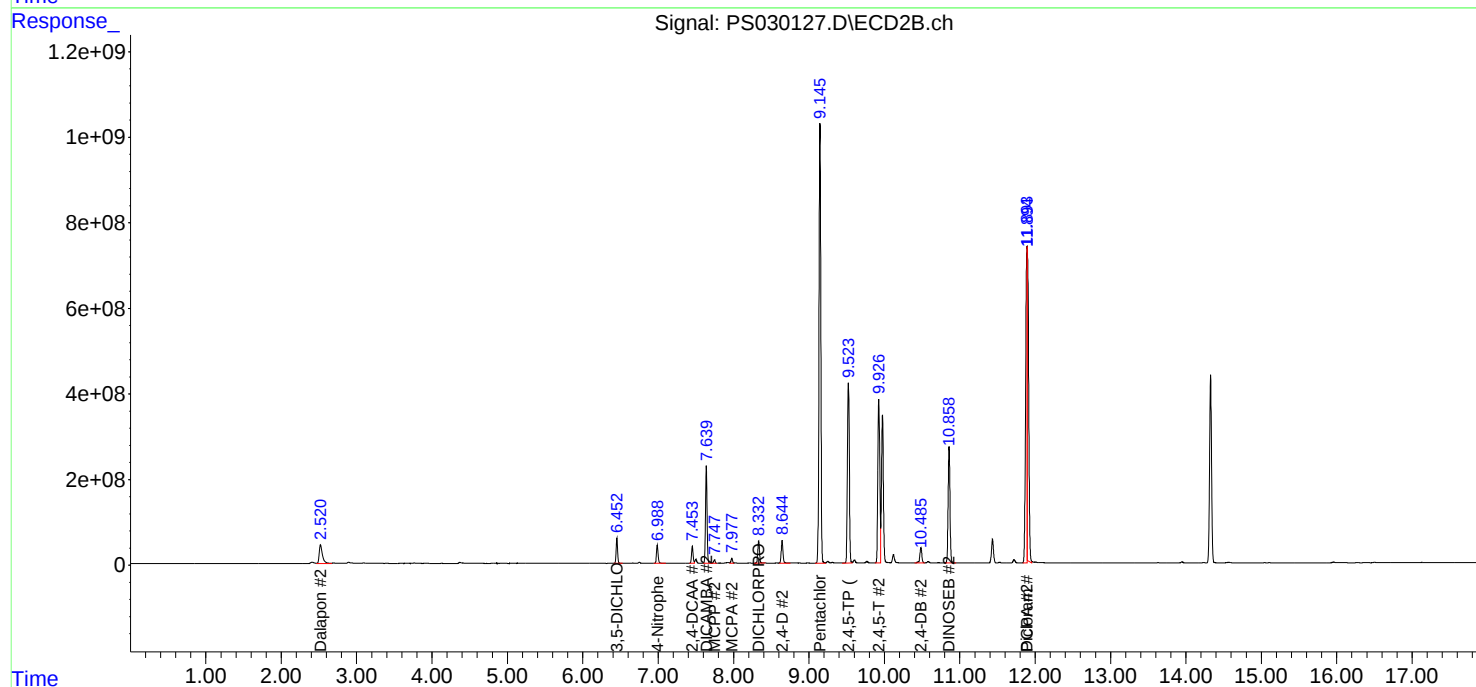
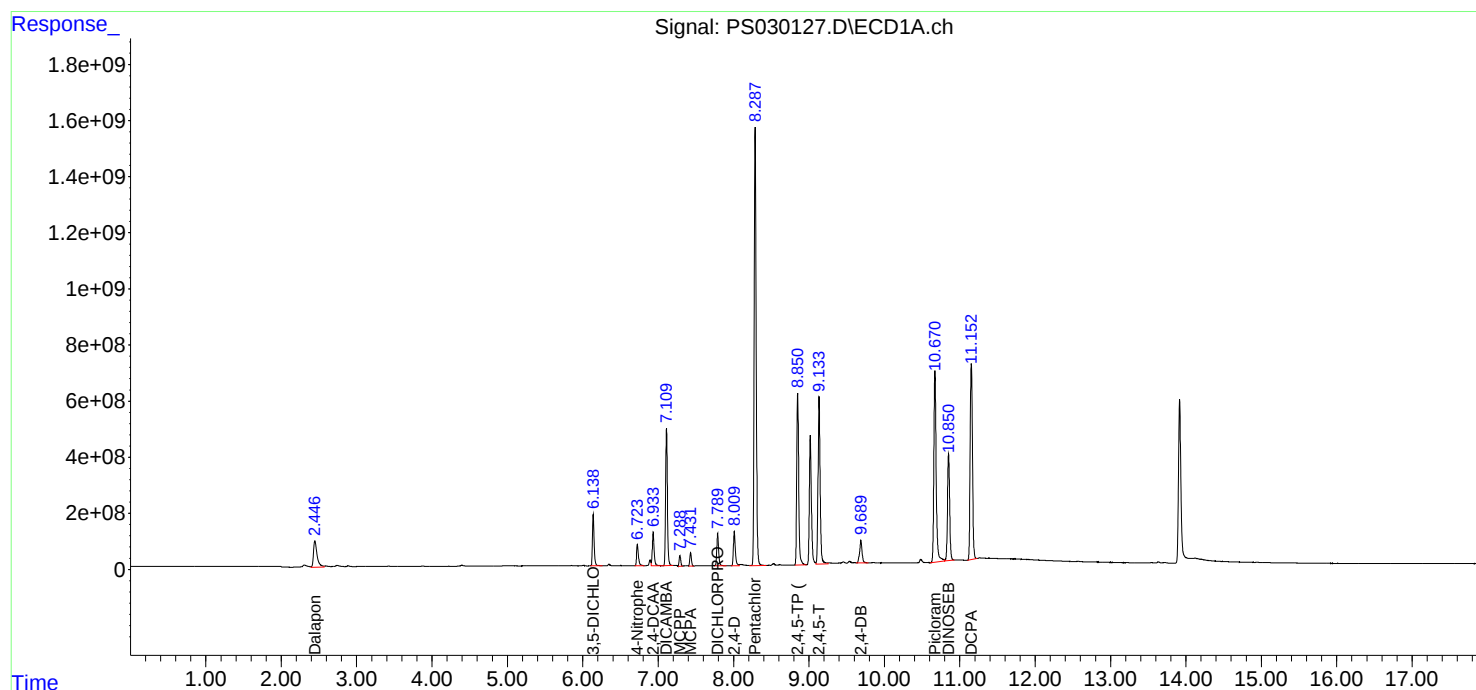
## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 13:43:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 13:43:14 2025  
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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030128.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 13:42  
 Operator : AR\AJ  
 Sample : HSTDICC1000  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC1000

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 13:58:57 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 13:58:36 2025  
 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     | 6.933  | 7.454  | 2609.3E6  | 758.4E6   | 890.431 | 932.175  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 4022.0E6  | 1730.9E6  | 791.534 | 834.294  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 3590.0E6  | 1001.6E6  | 838.061 | 840.224  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 1760.4E6  | 837.7E6   | 835.965 | 776.796  |
| 5) T                        | DICAMBA      | 7.109  | 7.640  | 10196.3E6 | 4357.6E6  | 863.169 | 917.597  |
| 6) T                        | MCPD         | 7.290  | 7.749  | 729.6E6   | 177.4E6   | 101.601 | 97.188   |
| 7) T                        | MCPA         | 7.433  | 7.979  | 953.9E6   | 245.9E6   | 92.106  | 92.679   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.332  | 2519.6E6  | 1045.5E6  | 839.025 | 867.706  |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 2834.0E6  | 1152.4E6  | 841.649 | 878.805  |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 36236.2E6 | 22455.0E6 | 854.920 | 890.701  |
| 11) T                       | 2,4,5-TP ... | 8.850  | 9.523  | 14372.3E6 | 9041.8E6  | 866.151 | 904.264  |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 14592.7E6 | 8411.9E6  | 861.090 | 899.563  |
| 13) T                       | 2,4-DB       | 9.689  | 10.485 | 2415.4E6  | 837.2E6   | 920.436 | 826.632  |
| 14) T                       | DINOSEB      | 10.851 | 10.859 | 10000.3E6 | 6148.3E6  | 852.655 | 885.355  |
| 15) T                       | Picloram     | 10.670 | 11.894 | 19519.6E6 | 13097.0E6 | 897.581 | 914.915m |
| 16) T                       | DCPA         | 11.152 | 11.891 | 17786.8E6 | 11870.5E6 | 869.183 | 851.929m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030128.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 13:42  
Operator : AR\AJ  
Sample : HSTDICC1000  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

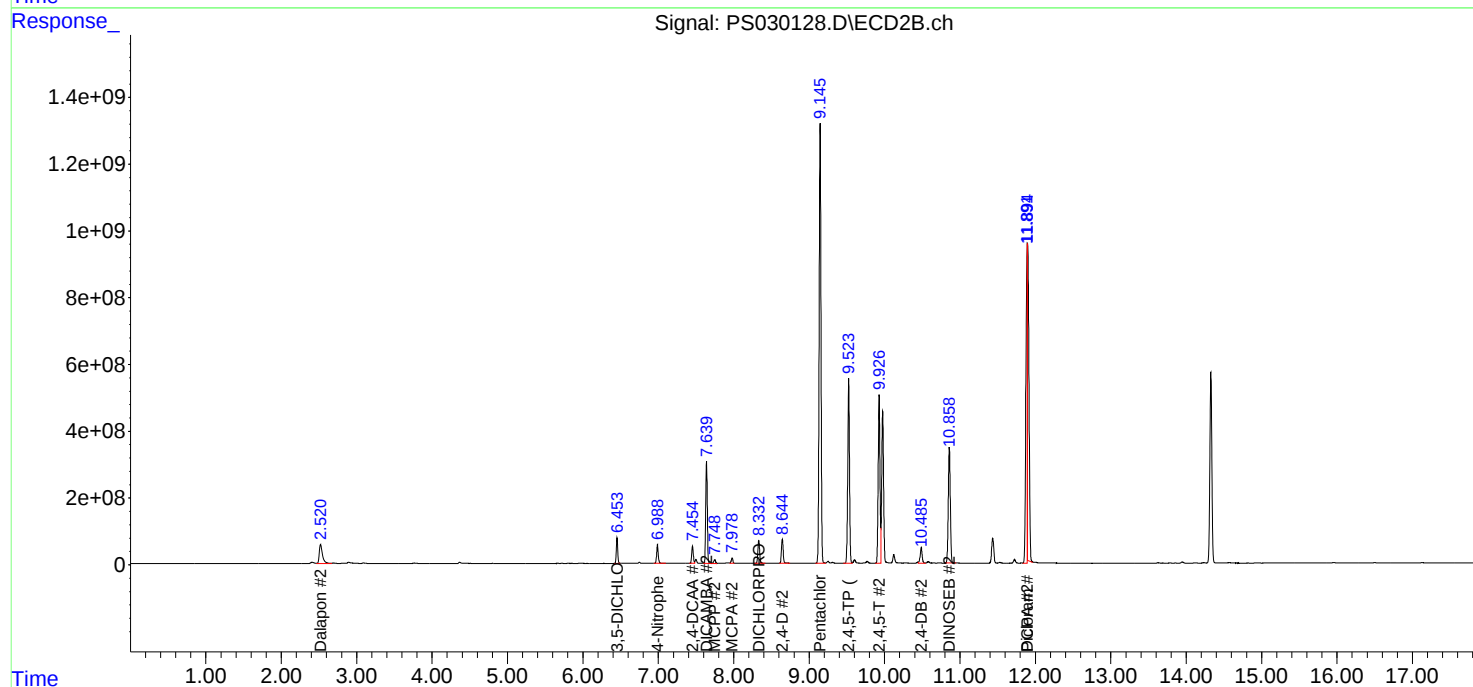
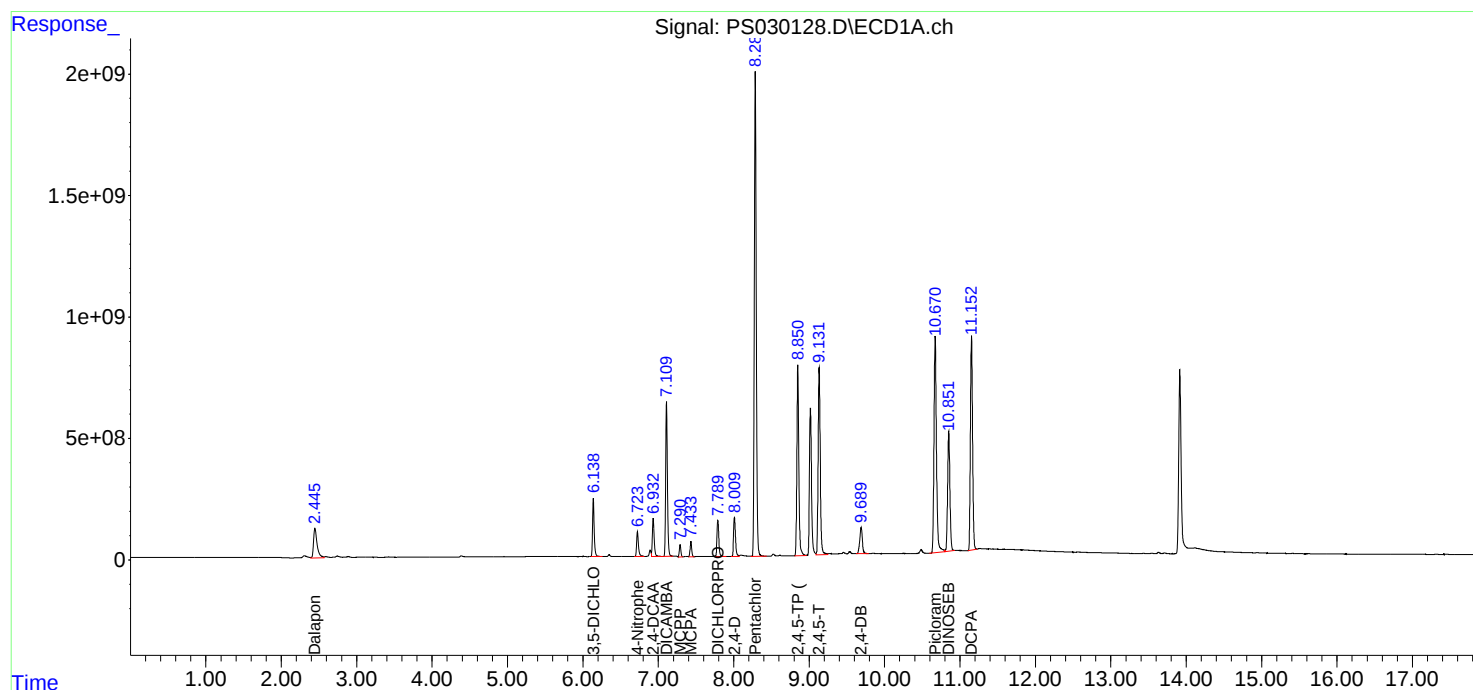
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/13/2025  
Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 13:58:57 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 13:58:36 2025  
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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 14:06  
 Operator : AR\AJ  
 Sample : HSTDICC1500  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 HSTDICC1500

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/13/2025  
 Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 14:28:15 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:27:56 2025  
 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     | 6.934  | 7.454  | 3776.3E6  | 1120.3E6  | 1326.050 | 1400.011  |
| Target Compounds            |              |        |        |           |           |          |           |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 5803.8E6  | 2534.2E6  | 1180.753 | 1247.720  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 5186.8E6  | 1479.7E6  | 1243.675 | 1269.249  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 2599.8E6  | 1237.2E6  | 1258.609 | 1184.993  |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 14856.3E6 | 6548.0E6  | 1285.438 | 1384.953  |
| 6) T                        | MCP          | 7.293  | 7.751  | 1084.1E6  | 267.4E6   | 148.855  | 145.320   |
| 7) T                        | MCPA         | 7.437  | 7.983  | 1462.0E6  | 359.0E6   | 140.839  | 136.111   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.333  | 3658.8E6  | 1533.4E6  | 1252.430 | 1297.948  |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 4125.7E6  | 1702.5E6  | 1258.234 | 1319.227  |
| 10) T                       | Pentachlo... | 8.293  | 9.145  | 46970.5E6 | 32180.6E6 | 1159.743 | 1303.651  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 20814.7E6 | 13189.7E6 | 1285.177 | 1338.996  |
| 12) T                       | 2,4,5-T      | 9.133  | 9.927  | 21074.1E6 | 12274.8E6 | 1276.042 | 1333.692  |
| 13) T                       | 2,4-DB       | 9.690  | 10.485 | 3637.1E6  | 1297.8E6  | 1393.631 | 1307.799  |
| 14) T                       | DINOSEB      | 10.852 | 10.859 | 14478.2E6 | 8998.7E6  | 1265.980 | 1317.150  |
| 15) T                       | Picloram     | 10.670 | 11.895 | 28424.6E6 | 18755.9E6 | 1329.063 | 1314.827m |
| 16) T                       | DCPA         | 11.153 | 11.892 | 25491.3E6 | 17567.8E6 | 1280.231 | 1314.389m |
| -----                       |              |        |        |           |           |          |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030129.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 14:06  
Operator : AR\AJ  
Sample : HSTDICC1500  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDICC1500

## Manual Integrations

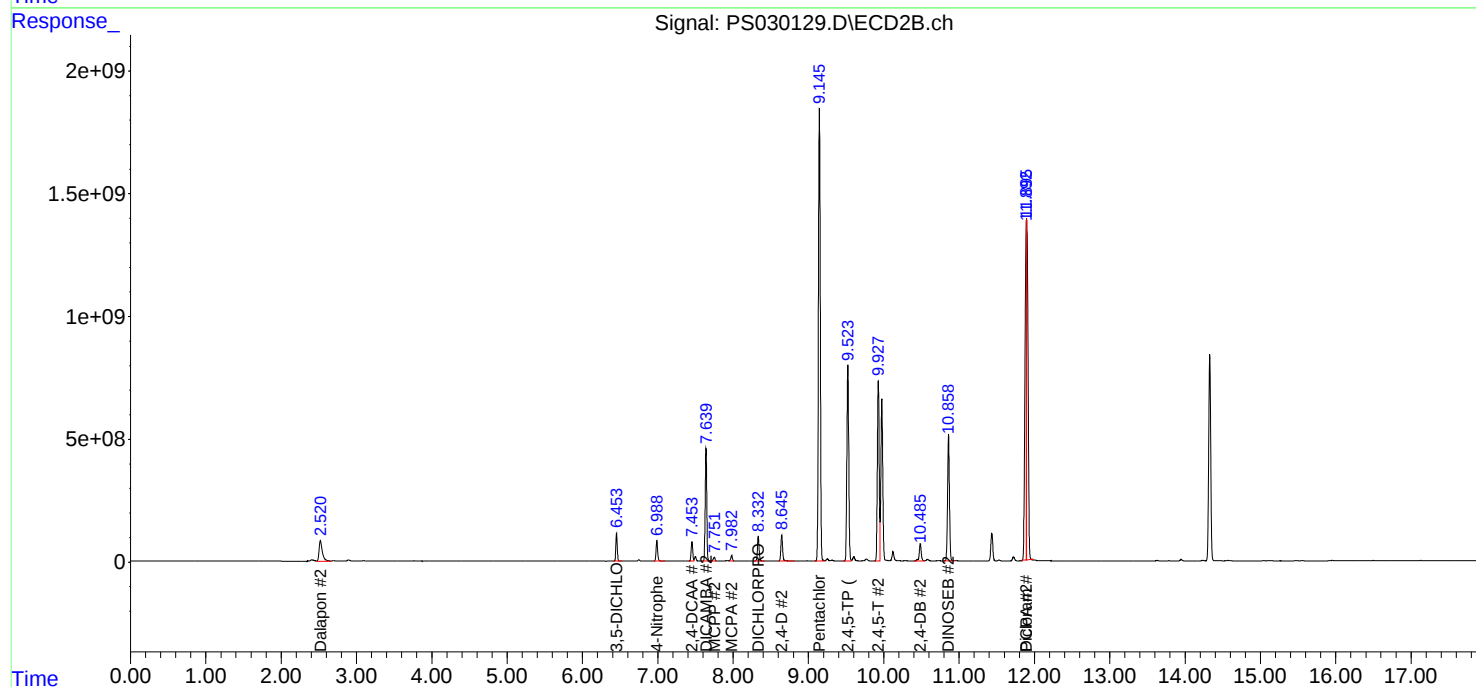
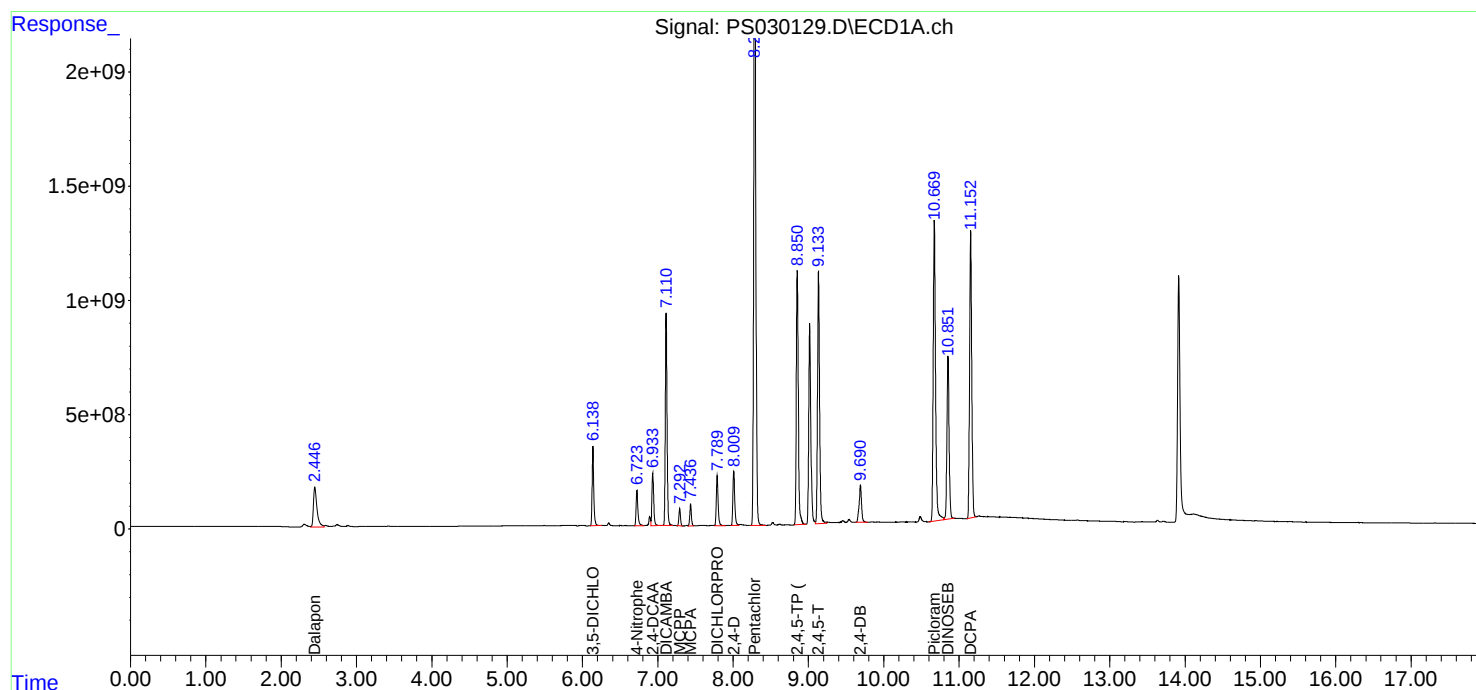
## APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 14:28:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:27:56 2025  
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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030130.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 14:30  
 Operator : AR\AJ  
 Sample : HSTDICV750  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

**Instrument :**

ECD\_S

**ClientSampleId :**

ICVPS051225

**Manual Integrations****APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 12 15:04:31 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.934  | 7.454  | 2000.1E6  | 576.9E6   | 702.326 | 720.970  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 3076.9E6  | 1314.3E6  | 625.967 | 647.108  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 2750.7E6  | 760.8E6   | 659.557 | 652.607  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.989  | 1318.9E6  | 628.7E6   | 638.507 | 602.172  |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 7834.8E6  | 3263.7E6  | 677.908 | 690.298  |
| 6) T                        | MCPD         | 7.289  | 7.748  | 532.7E6   | 133.5E6   | 73.145  | 72.581   |
| 7) T                        | MCPA         | 7.431  | 7.978  | 699.7E6   | 180.7E6   | 67.398  | 68.504   |
| 8) T                        | DICHLORPROP  | 7.790  | 8.333  | 1940.1E6  | 796.8E6   | 664.107 | 674.472  |
| 9) T                        | 2,4-D        | 8.010  | 8.645  | 2200.0E6  | 878.7E6   | 670.942 | 680.913  |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 28175.2E6 | 17257.0E6 | 695.670 | 699.091  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.524  | 11116.5E6 | 6877.2E6  | 686.375 | 698.163  |
| 12) T                       | 2,4,5-T      | 9.133  | 9.927  | 11274.6E6 | 6386.9E6  | 682.678 | 693.957  |
| 13) T                       | 2,4-DB       | 9.691  | 10.486 | 1842.8E6  | 635.3E6   | 706.110 | 640.157  |
| 14) T                       | DINOSEB      | 10.851 | 10.859 | 7678.7E6  | 4674.1E6  | 671.427 | 684.150  |
| 15) T                       | Picloram     | 10.671 | 11.895 | 14927.7E6 | 9640.6E6  | 697.983 | 685.038m |
| 16) T                       | DCPA         | 11.153 | 11.892 | 13809.2E6 | 9287.7E6  | 693.529 | 687.439m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030130.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 14:30  
Operator : AR\AJ  
Sample : HSTDICV750  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

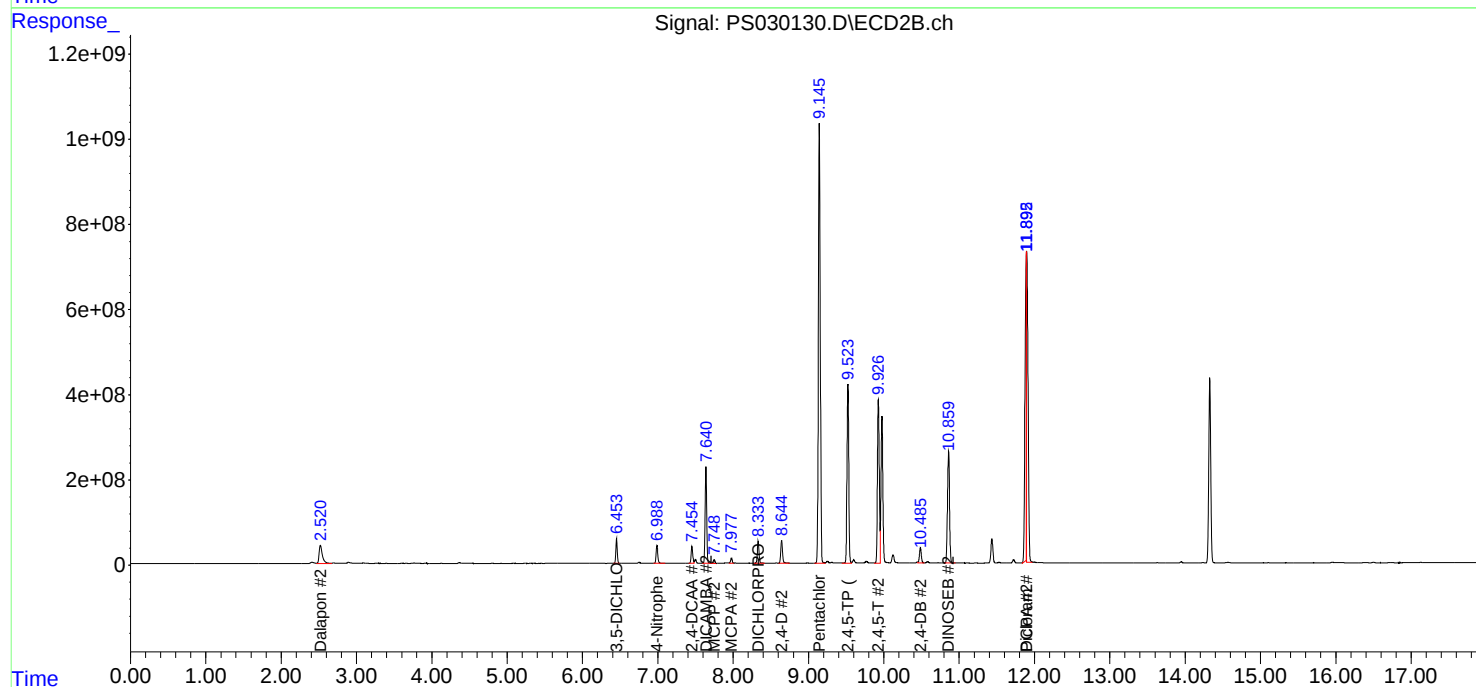
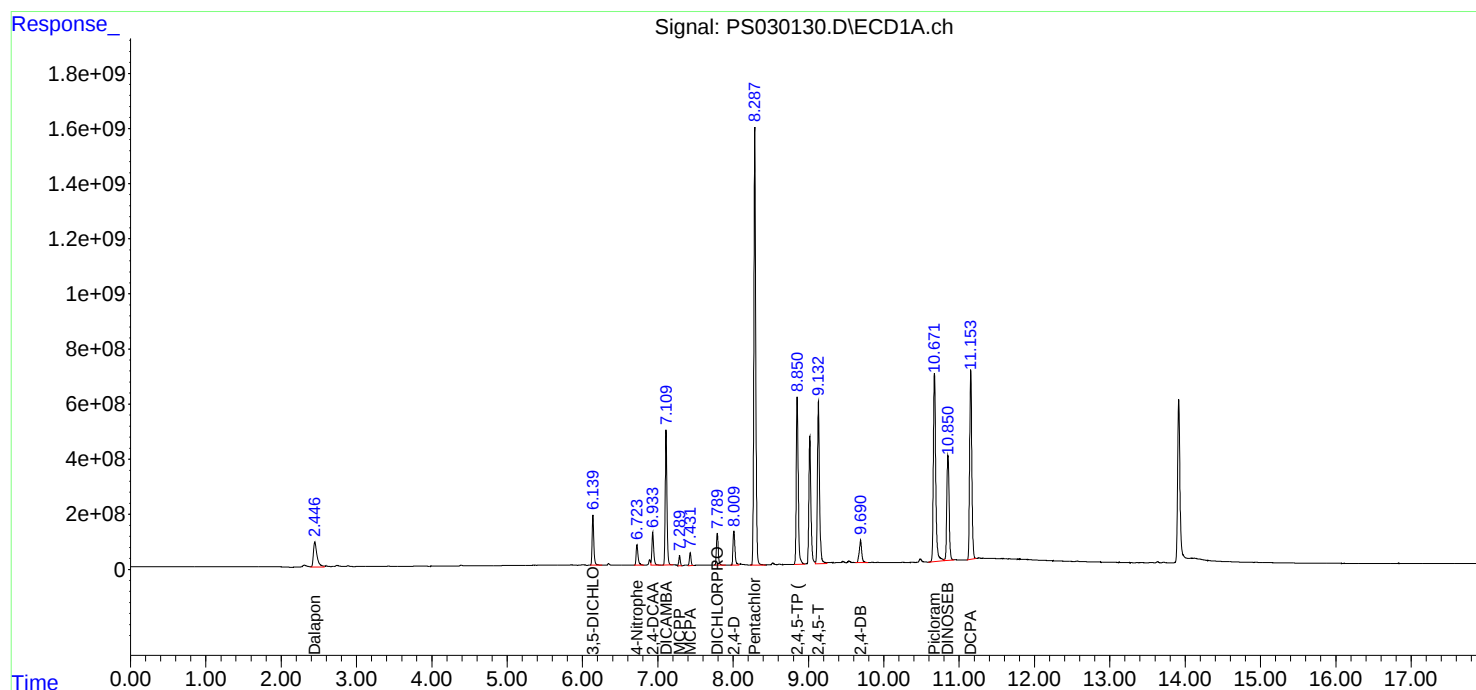
Instrument :  
ECD\_S  
ClientSampleId :  
ICVPS051225

Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/13/2025  
Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 15:04:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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





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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|------------------|------------|-----------|-----------|------|------------|
|                  |            |           | FROM      | TO   |            |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| 2,4-D            | 8.01       | 8.01      | 7.91      | 8.11 | 0.00       |
| 2,4,5-TP(Silvex) | 8.85       | 8.85      | 8.75      | 8.95 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/19/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 21:26 Initial Calibration Time(s): 12:30 14:06

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|------------------|------------|-----------|-----------|------|------------|
|                  |            |           | FROM      | TO   |            |
| 2,4-DCAA         | 7.45       | 7.45      | 7.35      | 7.55 | 0.00       |
| 2,4-D            | 8.64       | 8.64      | 8.54      | 8.74 | 0.00       |
| 2,4,5-TP(Silvex) | 9.52       | 9.52      | 9.42      | 9.62 | 0.00       |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|-------|-----------|-------|--------------------|-------------------|------|
|                  |       | FROM      | TO    |                    |                   |      |
| 2,4,5-TP(Silvex) | 8.848 | 8.750     | 8.950 | 717.600            | 712.500           | 0.7  |
| 2,4-D            | 8.006 | 7.910     | 8.110 | 703.830            | 705.000           | -0.2 |
| 2,4-DCAA         | 6.931 | 6.834     | 7.034 | 740.950            | 750.000           | -1.2 |



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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/19/2025

Lab Sample No.: HSTDCCC750 Data File : PS030288.D Time Analyzed: 21:26

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|-------|-----------|-------|--------------------|-------------------|------|
|                  |       | FROM      | TO    |                    |                   |      |
| 2,4,5-TP(Silvex) | 9.517 | 9.423     | 9.623 | 729.750            | 712.500           | 2.4  |
| 2,4-D            | 8.639 | 8.544     | 8.744 | 708.970            | 705.000           | 0.6  |
| 2,4-DCAA         | 7.450 | 7.354     | 7.554 | 739.160            | 750.000           | -1.4 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
 Data File : PS030288.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 May 2025 21:26  
 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: May 20 02:09:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.931  | 7.450  | 2110.1E6  | 591.5E6   | 740.954 | 739.158  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.445  | 2.519  | 3314.6E6  | 1361.4E6  | 674.345 | 670.306  |
| 2) T                        | 3,5-DICHL... | 6.136  | 6.450  | 2903.4E6  | 763.9E6   | 696.174 | 655.208  |
| 3) T                        | 4-Nitroph... | 6.721  | 6.985  | 1448.8E6  | 638.2E6   | 701.390 | 611.297  |
| 5) T                        | DICAMBA      | 7.107  | 7.635  | 8136.6E6  | 3392.3E6  | 704.017 | 717.499  |
| 6) T                        | MCP          | 7.286  | 7.743  | 552.5E6   | 127.4E6   | 75.867  | 69.225   |
| 7) T                        | MCPA         | 7.429  | 7.973  | 733.1E6   | 174.6E6   | 70.623  | 66.184   |
| 8) T                        | DICHLORPROP  | 7.787  | 8.327  | 2045.4E6  | 839.6E6   | 700.142 | 710.678  |
| 9) T                        | 2,4-D        | 8.006  | 8.639  | 2307.8E6  | 914.9E6   | 703.833 | 708.971  |
| 10) T                       | Pentachlo... | 8.284  | 9.139  | 29413.1E6 | 18173.5E6 | 726.235 | 736.216  |
| 11) T                       | 2,4,5-TP ... | 8.848  | 9.517  | 11622.2E6 | 7188.3E6  | 717.600 | 729.748  |
| 12) T                       | 2,4,5-T      | 9.128  | 9.920  | 11905.9E6 | 6667.9E6  | 720.905 | 724.483  |
| 13) T                       | 2,4-DB       | 9.687  | 10.478 | 2028.3E6  | 620.3E6   | 777.177 | 625.061  |
| 14) T                       | DINOSEB      | 10.847 | 10.852 | 8066.4E6  | 4874.3E6  | 705.328 | 713.456  |
| 15) T                       | Picloram     | 10.667 | 11.888 | 15583.6E6 | 9714.5E6  | 728.648 | 690.288m |
| 16) T                       | DCPA         | 11.149 | 11.886 | 14311.1E6 | 10023.6E6 | 718.737 | 741.914m |
| -----                       |              |        |        |           |           |         |          |

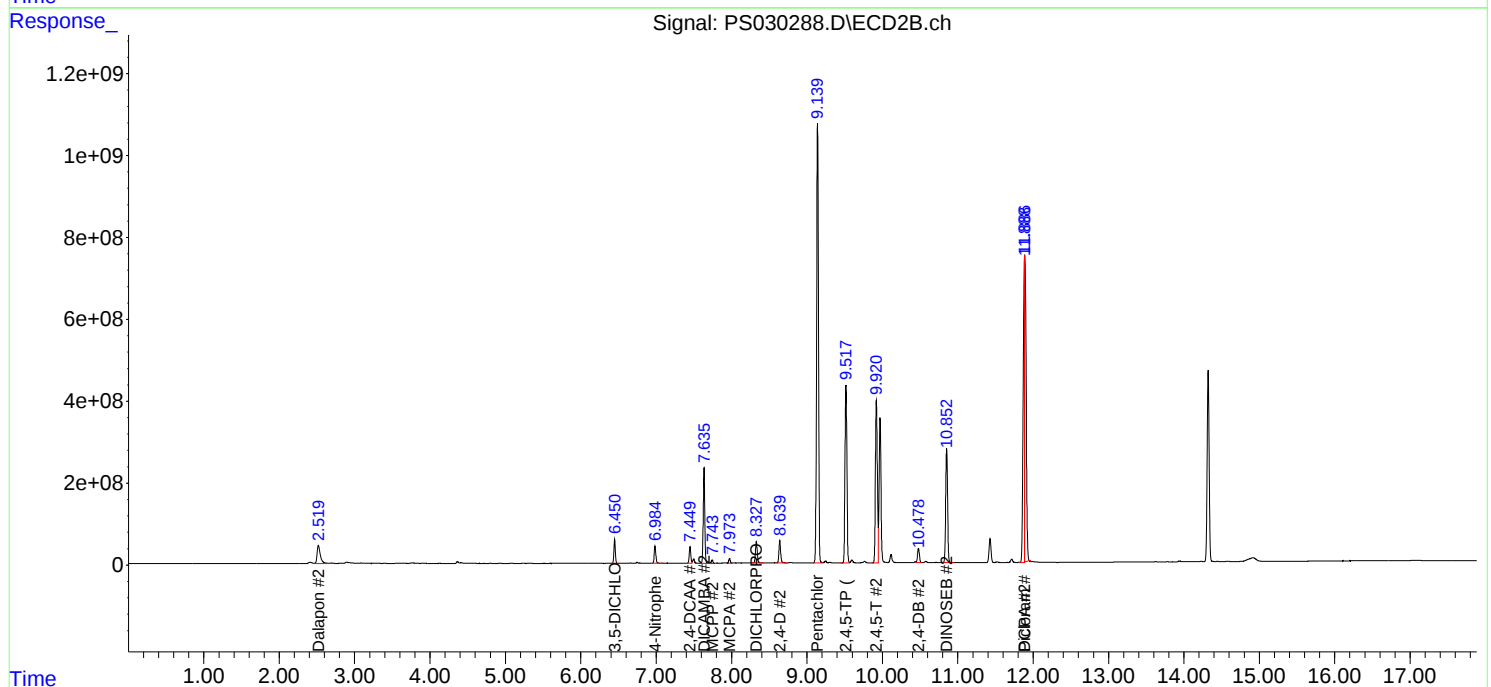
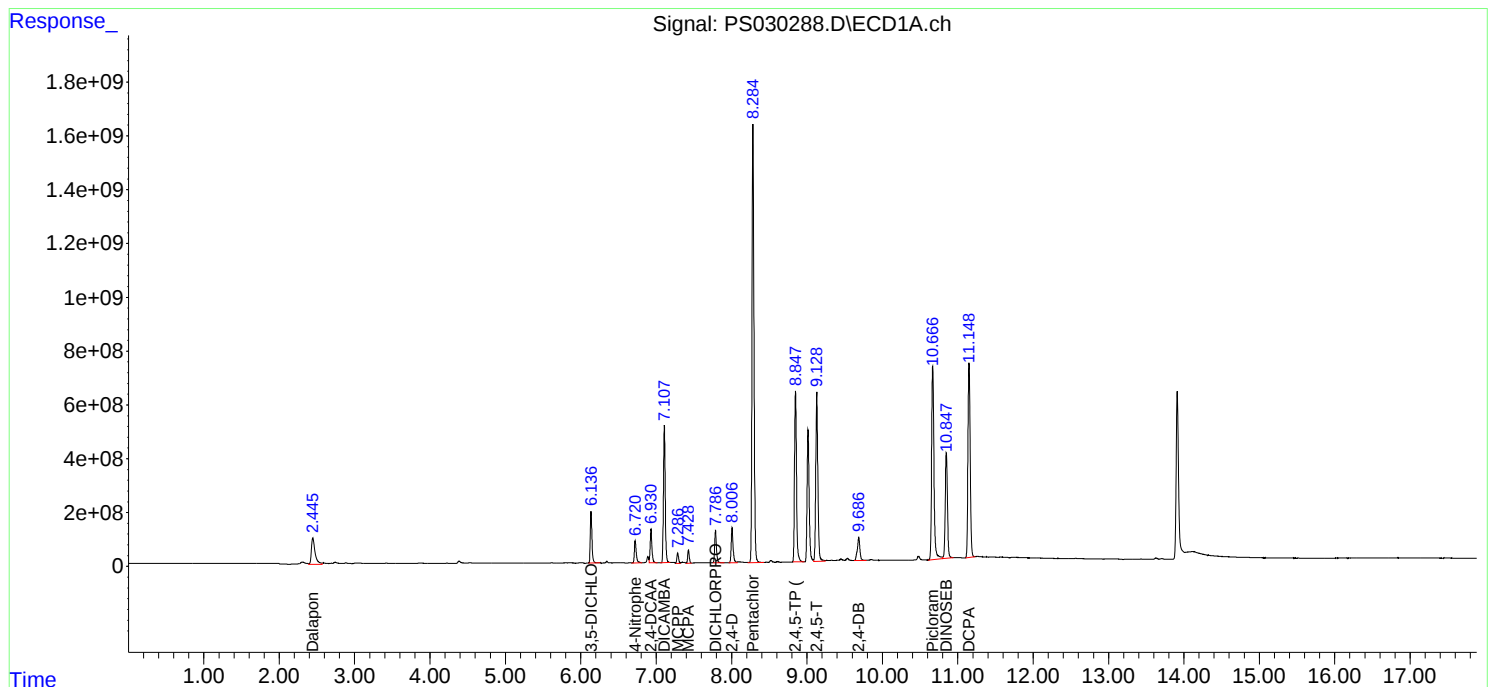
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030288.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 21:26  
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: May 20 02:09:23 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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





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

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/20/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:15 Initial Calibration Time(s): 12:30 14:06

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|------------------|------------|-----------|-----------|------|------------|
|                  |            |           | FROM      | TO   |            |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83      | 7.03 | 0.00       |
| 2,4-D            | 8.01       | 8.01      | 7.91      | 8.11 | 0.00       |
| 2,4,5-TP(Silvex) | 8.85       | 8.85      | 8.75      | 8.95 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Continuing Calib Date: 05/20/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:15 Initial Calibration Time(s): 12:30 14:06

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|------------------|------------|-----------|-----------|------|------------|
|                  |            |           | FROM      | TO   |            |
| 2,4-DCAA         | 7.45       | 7.45      | 7.35      | 7.55 | 0.00       |
| 2,4-D            | 8.64       | 8.64      | 8.54      | 8.74 | 0.00       |
| 2,4,5-TP(Silvex) | 9.52       | 9.52      | 9.42      | 9.62 | 0.00       |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS030300.D Time Analyzed: 02:15

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|-------|-----------|-------|--------------------|-------------------|-----|
|                  |       | FROM      | TO    |                    |                   |     |
| 2,4,5-TP(Silvex) | 8.847 | 8.750     | 8.950 | 740.100            | 712.500           | 3.9 |
| 2,4-D            | 8.006 | 7.910     | 8.110 | 727.670            | 705.000           | 3.2 |
| 2,4-DCAA         | 6.930 | 6.834     | 7.034 | 766.930            | 750.000           | 2.3 |



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### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/20/2025

Lab Sample No.: HSTDCCC750 Data File : PS030300.D Time Analyzed: 02:15

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|-------|-----------|-------|--------------------|-------------------|-----|
|                  |       | FROM      | TO    |                    |                   |     |
| 2,4,5-TP(Silvex) | 9.516 | 9.423     | 9.623 | 744.460            | 712.500           | 4.5 |
| 2,4-D            | 8.638 | 8.544     | 8.744 | 726.120            | 705.000           | 3.0 |
| 2,4-DCAA         | 7.449 | 7.354     | 7.554 | 755.260            | 750.000           | 0.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
 Data File : PS030300.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 May 2025 02:15  
 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: May 20 03:26:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.930  | 7.449  | 2184.1E6  | 604.4E6   | 766.929 | 755.261  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.445  | 2.518  | 3339.5E6  | 1369.2E6  | 679.391 | 674.145  |
| 2) T                        | 3,5-DICHL... | 6.136  | 6.450  | 2979.9E6  | 782.6E6   | 714.515 | 671.304  |
| 3) T                        | 4-Nitroph... | 6.721  | 6.984  | 1486.7E6  | 647.8E6   | 719.735 | 620.438  |
| 5) T                        | DICAMBA      | 7.107  | 7.635  | 8457.5E6  | 3460.6E6  | 731.782 | 731.943  |
| 6) T                        | MCP          | 7.286  | 7.743  | 573.7E6   | 132.8E6   | 78.777  | 72.193   |
| 7) T                        | MCPA         | 7.429  | 7.973  | 759.6E6   | 185.7E6   | 73.171  | 70.415   |
| 8) T                        | DICHLORPROP  | 7.786  | 8.326  | 2099.6E6  | 834.0E6   | 718.717 | 705.911  |
| 9) T                        | 2,4-D        | 8.006  | 8.638  | 2386.0E6  | 937.1E6   | 727.665 | 726.120  |
| 10) T                       | Pentachlo... | 8.283  | 9.138  | 30521.1E6 | 18583.2E6 | 753.593 | 752.815  |
| 11) T                       | 2,4,5-TP ... | 8.847  | 9.516  | 11986.6E6 | 7333.2E6  | 740.098 | 744.459  |
| 12) T                       | 2,4,5-T      | 9.128  | 9.920  | 12352.6E6 | 6796.4E6  | 747.952 | 738.444  |
| 13) T                       | 2,4-DB       | 9.686  | 10.478 | 2082.3E6  | 644.2E6   | 797.897 | 649.174  |
| 14) T                       | DINOSEB      | 10.846 | 10.852 | 8275.0E6  | 4937.3E6  | 723.566 | 722.681  |
| 15) T                       | Picloram     | 10.667 | 11.887 | 15907.0E6 | 11048.5E6 | 743.770 | 785.076m |
| 16) T                       | DCPA         | 11.148 | 11.884 | 14886.2E6 | 9743.2E6  | 747.618 | 721.159m |
| -----                       |              |        |        |           |           |         |          |

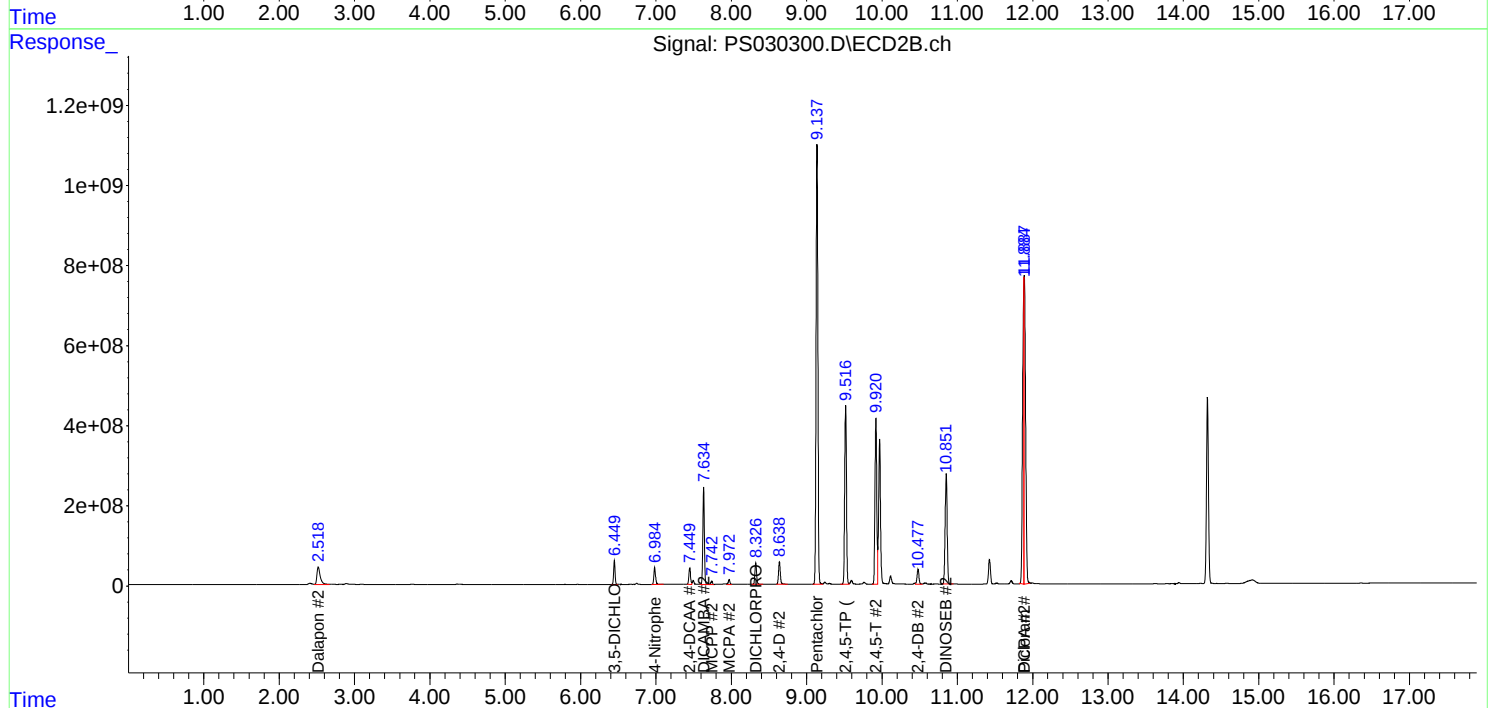
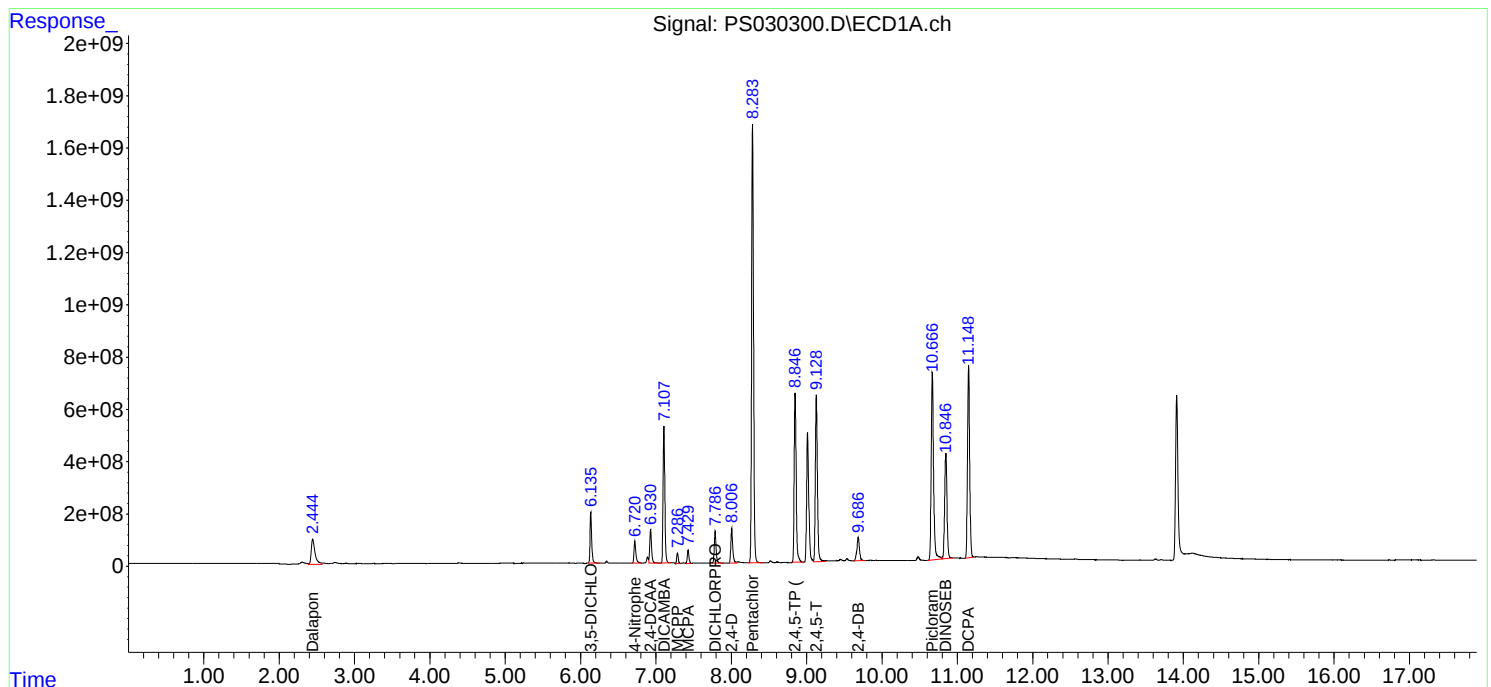
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030300.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 02:15  
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: May 20 03:26:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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



## Analytical Sequence

|                                            |                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------|
| <b>Client:</b> CDM Smith                   | <b>SDG No.:</b> Q2032                                                        |
| <b>Project:</b> South River WM Replacement | <b>Instrument ID:</b> ECD_S                                                  |
| <b>GC Column:</b> RTX-CLP                  | <b>ID:</b> 0.32 (mm) <b>Inst. Calib. Date(s):</b> 05/12/2025      05/12/2025 |

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCAA<br>RT # | RT # |
|--------------------|------------------|------------------|------------------|------------|--------------|------|
| LBLK               | LBLK             | 05/12/2025       | 12:06            | PS030124.D | 6.93         | 0.00 |
| HSTDICC200         | HSTDICC200       | 05/12/2025       | 12:30            | PS030125.D | 6.93         | 0.00 |
| HSTDICC500         | HSTDICC500       | 05/12/2025       | 12:54            | PS030126.D | 6.93         | 0.00 |
| HSTDICC750         | HSTDICC750       | 05/12/2025       | 13:18            | PS030127.D | 6.93         | 0.00 |
| HSTDICC1000        | HSTDICC1000      | 05/12/2025       | 13:42            | PS030128.D | 6.93         | 0.00 |
| HSTDICC1500        | HSTDICC1500      | 05/12/2025       | 14:06            | PS030129.D | 6.93         | 0.00 |
| LBLK               | LBLK             | 05/19/2025       | 21:02            | PS030287.D | 6.93         | 0.00 |
| HSTDCCC750         | HSTDCCC750       | 05/19/2025       | 21:26            | PS030288.D | 6.93         | 0.00 |
| PB168065BL         | PB168065BL       | 05/19/2025       | 22:38            | PS030291.D | 6.93         | 0.00 |
| PB168065BS         | PB168065BS       | 05/19/2025       | 23:02            | PS030292.D | 6.93         | 0.00 |
| PB167994TB         | PB167994TB       | 05/19/2025       | 23:26            | PS030293.D | 6.93         | 0.00 |
| B27-SOIL-SAMPLEMS  | Q2027-03MS       | 05/20/2025       | 00:14            | PS030295.D | 6.93         | 0.00 |
| B27-SOIL-SAMPLEMSD | Q2027-03MSD      | 05/20/2025       | 00:38            | PS030296.D | 6.93         | 0.00 |
| COMP-1             | Q2032-09         | 05/20/2025       | 01:27            | PS030298.D | 6.93         | 0.00 |
| LBLK               | LBLK             | 05/20/2025       | 01:51            | PS030299.D | 6.93         | 0.00 |
| HSTDCCC750         | HSTDCCC750       | 05/20/2025       | 02:15            | PS030300.D | 6.93         | 0.00 |

## Analytical Sequence

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Client: CDM Smith                   | SDG No.: Q2032                                                  |
| Project: South River WM Replacement | Instrument ID: ECD_S                                            |
| GC Column: RTX-CLP2                 | ID: 0.32 (mm)    Inst. Calib. Date(s): 05/12/2025    05/12/2025 |

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCAA<br>RT # | RT # |
|--------------------|------------------|------------------|------------------|------------|--------------|------|
| IBLK               | IBLK             | 05/12/2025       | 12:06            | PS030124.D | 7.45         | 0.00 |
| HSTDICC200         | HSTDICC200       | 05/12/2025       | 12:30            | PS030125.D | 7.45         | 0.00 |
| HSTDICC500         | HSTDICC500       | 05/12/2025       | 12:54            | PS030126.D | 7.45         | 0.00 |
| HSTDICC750         | HSTDICC750       | 05/12/2025       | 13:18            | PS030127.D | 7.45         | 0.00 |
| HSTDICC1000        | HSTDICC1000      | 05/12/2025       | 13:42            | PS030128.D | 7.45         | 0.00 |
| HSTDICC1500        | HSTDICC1500      | 05/12/2025       | 14:06            | PS030129.D | 7.45         | 0.00 |
| IBLK               | IBLK             | 05/19/2025       | 21:02            | PS030287.D | 7.45         | 0.00 |
| HSTDCCC750         | HSTDCCC750       | 05/19/2025       | 21:26            | PS030288.D | 7.45         | 0.00 |
| PB168065BL         | PB168065BL       | 05/19/2025       | 22:38            | PS030291.D | 7.45         | 0.00 |
| PB168065BS         | PB168065BS       | 05/19/2025       | 23:02            | PS030292.D | 7.45         | 0.00 |
| PB167994TB         | PB167994TB       | 05/19/2025       | 23:26            | PS030293.D | 7.45         | 0.00 |
| B27-SOIL-SAMPLEMS  | Q2027-03MS       | 05/20/2025       | 00:14            | PS030295.D | 7.45         | 0.00 |
| B27-SOIL-SAMPLEMSD | Q2027-03MSD      | 05/20/2025       | 00:38            | PS030296.D | 7.45         | 0.00 |
| COMP-1             | Q2032-09         | 05/20/2025       | 01:27            | PS030298.D | 7.45         | 0.00 |
| IBLK               | IBLK             | 05/20/2025       | 01:51            | PS030299.D | 7.45         | 0.00 |
| HSTDCCC750         | HSTDCCC750       | 05/20/2025       | 02:15            | PS030300.D | 7.45         | 0.00 |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B27-SOIL-SAMPLEMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2027-03MS Date(s) Analyzed: 05/20/2025 05/20/2025

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   |               |      |
| 2,4-D            | 1   | 8.01 | 7.96      | 8.06 | 56.4          | 1.2  |
|                  | 2   | 8.64 | 8.59      | 8.69 | 57.1          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 52.7          | 3    |
|                  | 2   | 9.52 | 9.47      | 9.57 | 54.3          |      |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B27-SOIL-SAMPLEMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032 SDG NO.: Q2032

Lab Sample ID: Q2027-03MSD

Date(s) Analyzed: 05/20/2025 05/20/2025

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   |               |      |
| 2,4-D            | 1   | 8.01 | 7.96      | 8.06 | 56.5          | 0.7  |
|                  | 2   | 8.64 | 8.59      | 8.69 | 56.9          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 52.6          | 2.4  |
|                  | 2   | 9.52 | 9.47      | 9.57 | 53.9          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168065BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2032

SAS No.: Q2032

SDG NO.: Q2032

Lab Sample ID: PB168065BS

Date(s) Analyzed: 05/19/2025 05/19/2025

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   |               |      |
| 2,4-D            | 1   | 8.01 | 7.96      | 8.06 | 5.20          | 1.9  |
|                  | 2   | 8.64 | 8.59      | 8.69 | 5.10          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 5.20          | 0    |
|                  | 2   | 9.52 | 9.47      | 9.57 | 5.20          |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     |                  |
| Client Sample ID:  | PB168065BL                 | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB168065BL                 | Matrix:            | TCLP             |
| Analytical Method: | 8151A                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | TCLP 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 |
| PS030291.D        | 1         | 05/19/25 09:15 | 05/19/25 22:38 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 459   |           | 39 - 175 | 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 >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\PS051925\  
Data File : PS030291.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 22:38  
Operator : AR\AJ  
Sample : PB168065BL  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB168065BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:47:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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 | 6.930 | 7.450 | 1308.2E6 | 343.8E6 | 459.362 | 429.595 |
|------|----------|-------|-------|----------|---------|---------|---------|

Target Compounds  
-----

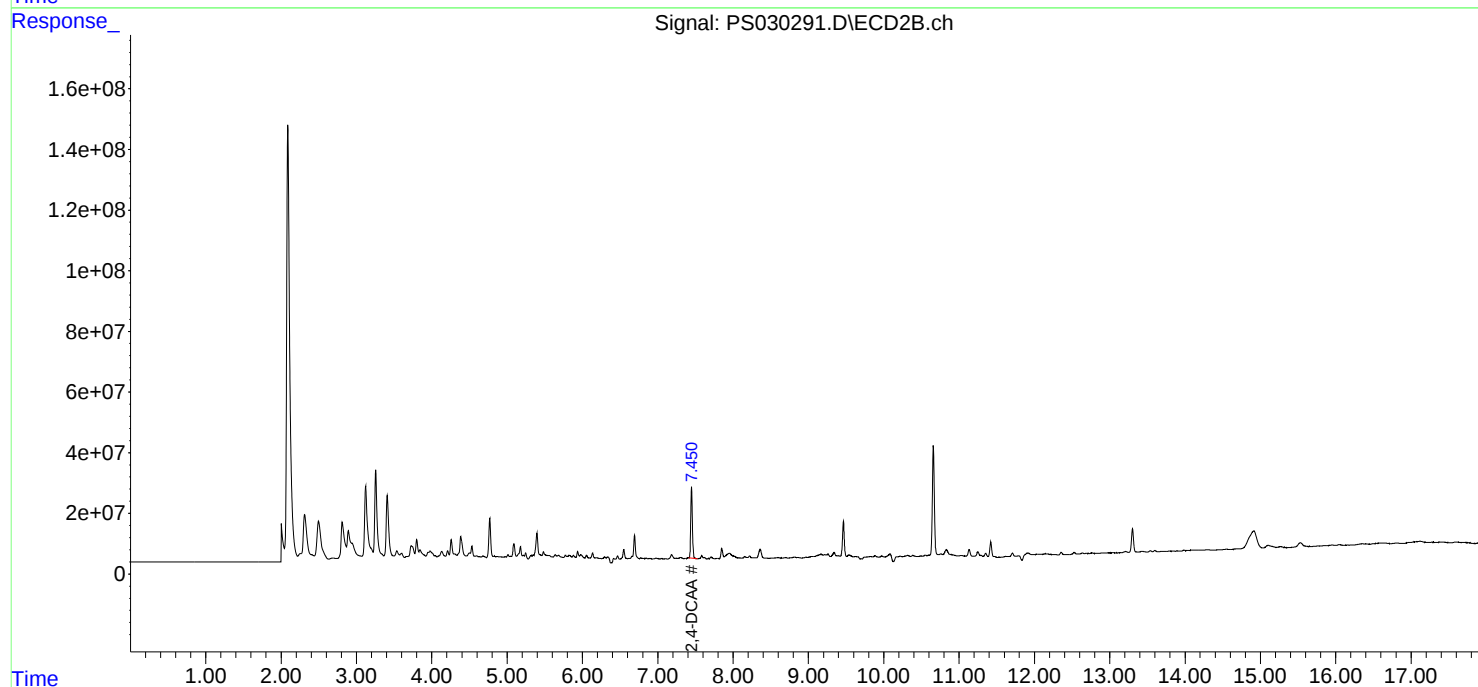
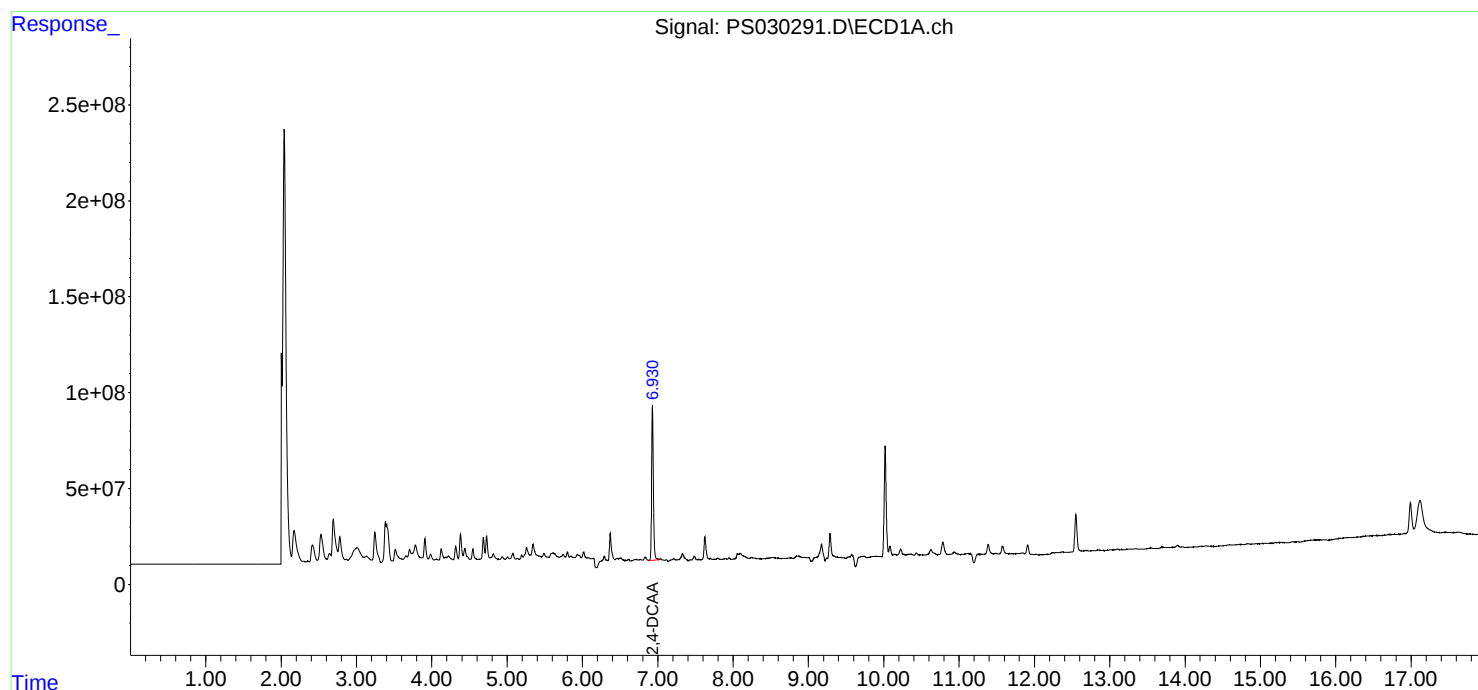
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

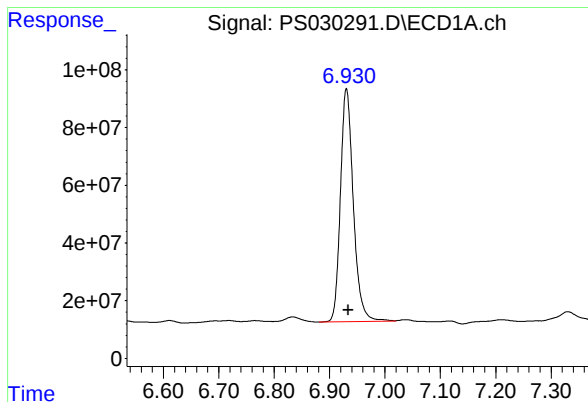
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030291.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 22:38  
Operator : AR\AJ  
Sample : PB168065BL  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB168065BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:47:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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

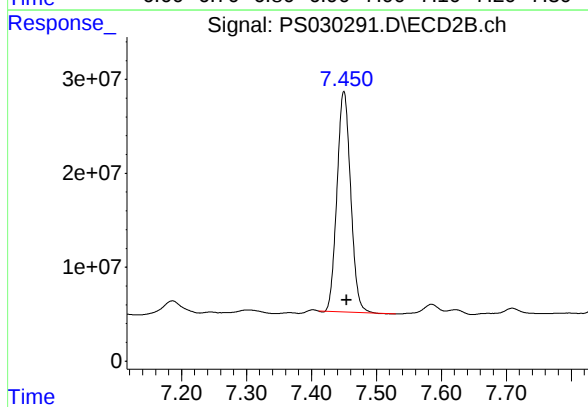




#4 2,4-DCAA

R.T.: 6.930 min  
Delta R.T.: -0.003 min  
Response: 1308175189  
Conc: 459.36 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB168065BL



#4 2,4-DCAA

R.T.: 7.450 min  
Delta R.T.: -0.004 min  
Response: 343763630  
Conc: 429.60 ng/ml

## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/12/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/12/25       |
| Client Sample ID:  | PIBLK-PS030124.D           | SDG No.:           | Q2032          |
| Lab Sample ID:     | I.BLK-PS030124.D           | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                       | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | SW3510C                    | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030124.D        | 1         |           | 05/12/25      | PS051225      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 419   |           | 39 - 175 | 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 >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\PS051225\  
Data File : PS030124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 12:06  
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: May 12 14:30:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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               | 6.934 | 7.454 | 1194.2E6 | 334.3E6 | 419.337 | 417.753 |

Target Compounds

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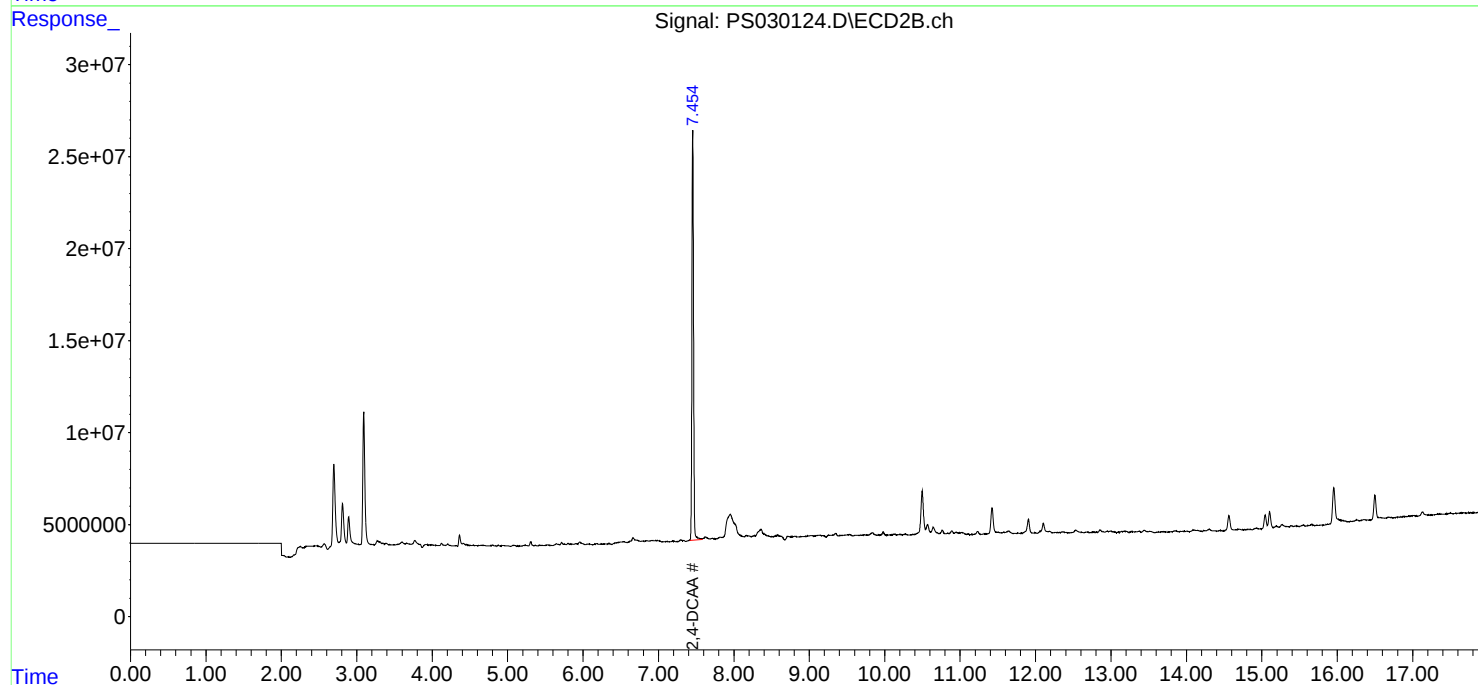
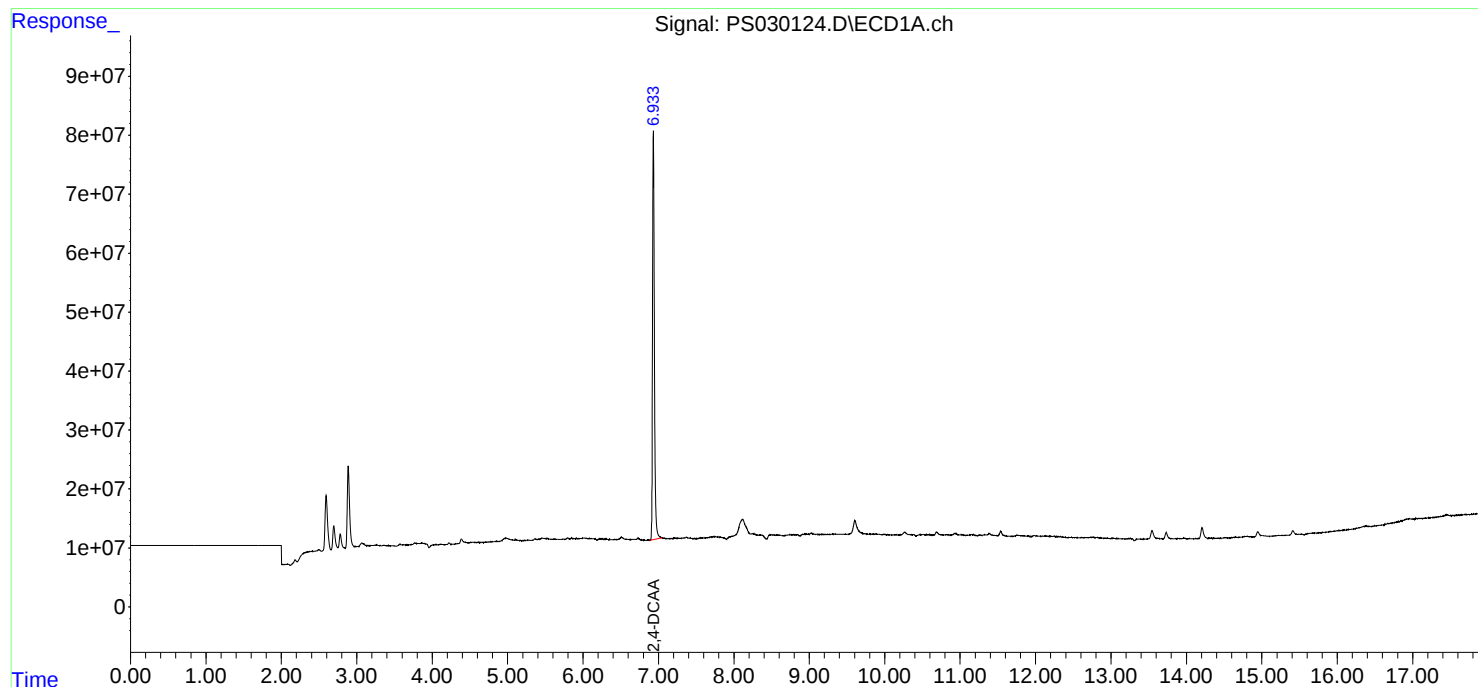
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

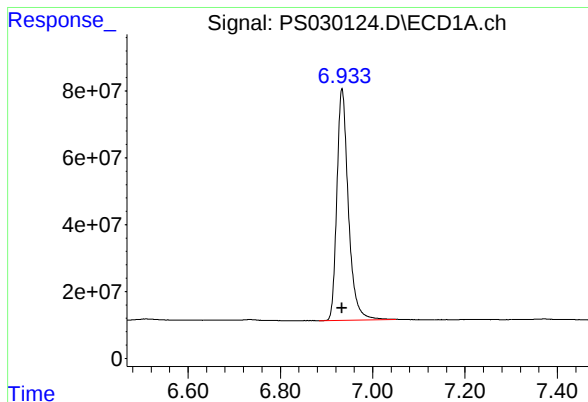
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 12:06  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 12 14:30:04 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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

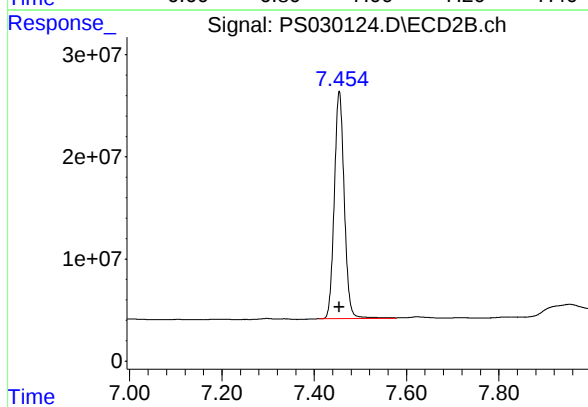




#4 2,4-DCAA

R.T.: 6.934 min  
Delta R.T.: 0.000 min  
Response: 1194190207  
Conc: 419.34 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK



#4 2,4-DCAA

R.T.: 7.454 min  
Delta R.T.: 0.000 min  
Response: 334287239  
Conc: 417.75 ng/ml

## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/19/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/19/25       |
| Client Sample ID:  | PIBLK-PS030287.D           | SDG No.:           | Q2032          |
| Lab Sample ID:     | I.BLK-PS030287.D           | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                       | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | SW3510C                    | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030287.D        | 1         |           | 05/19/25      | PS051925      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 463   |           | 39 - 175 | 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\PS051925\  
 Data File : PS030287.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 May 2025 21:02  
 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: May 20 05:45:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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 |
|----------|------|------|--------|--------|-------|-------|
|----------|------|------|--------|--------|-------|-------|

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System Monitoring Compounds

|               |       |       |          |         |         |         |
|---------------|-------|-------|----------|---------|---------|---------|
| 4) S 2,4-DCAA | 6.931 | 7.450 | 1317.2E6 | 369.8E6 | 462.540 | 462.191 |
|---------------|-------|-------|----------|---------|---------|---------|

Target Compounds

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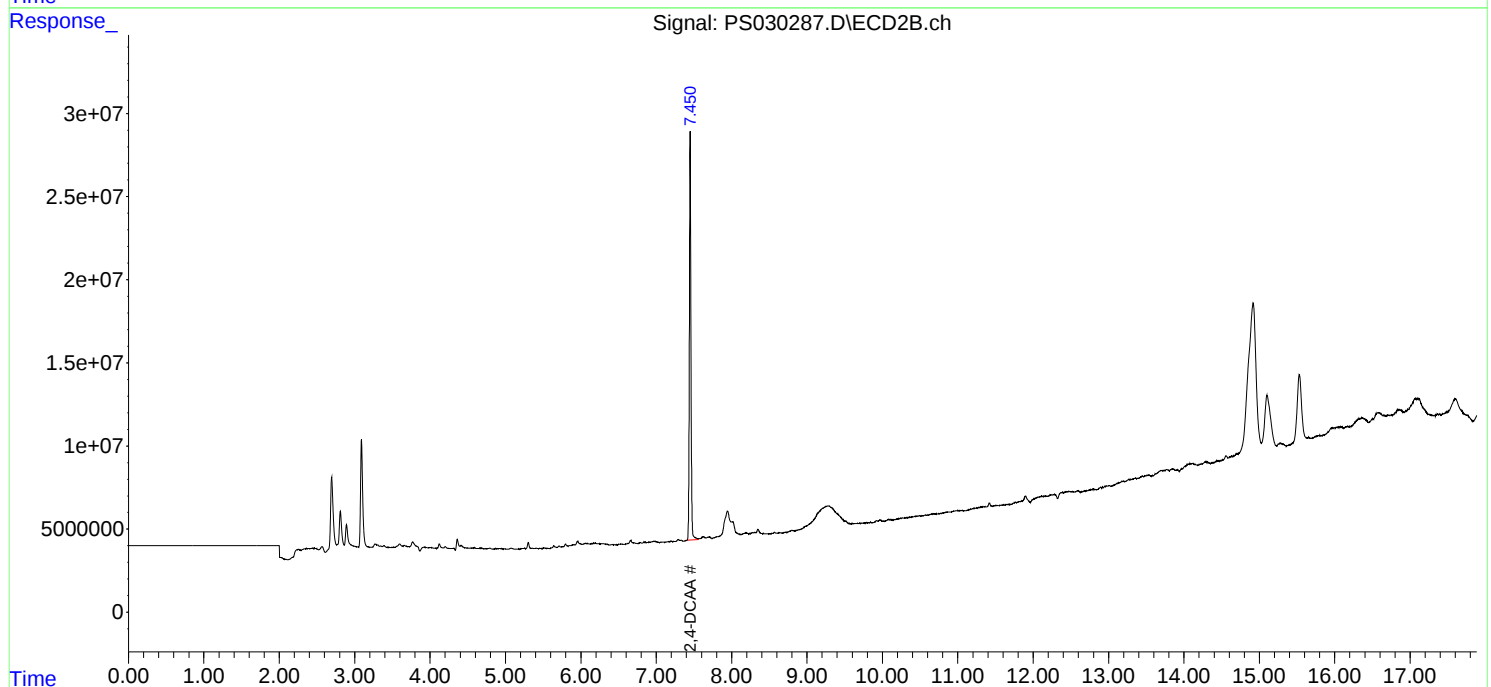
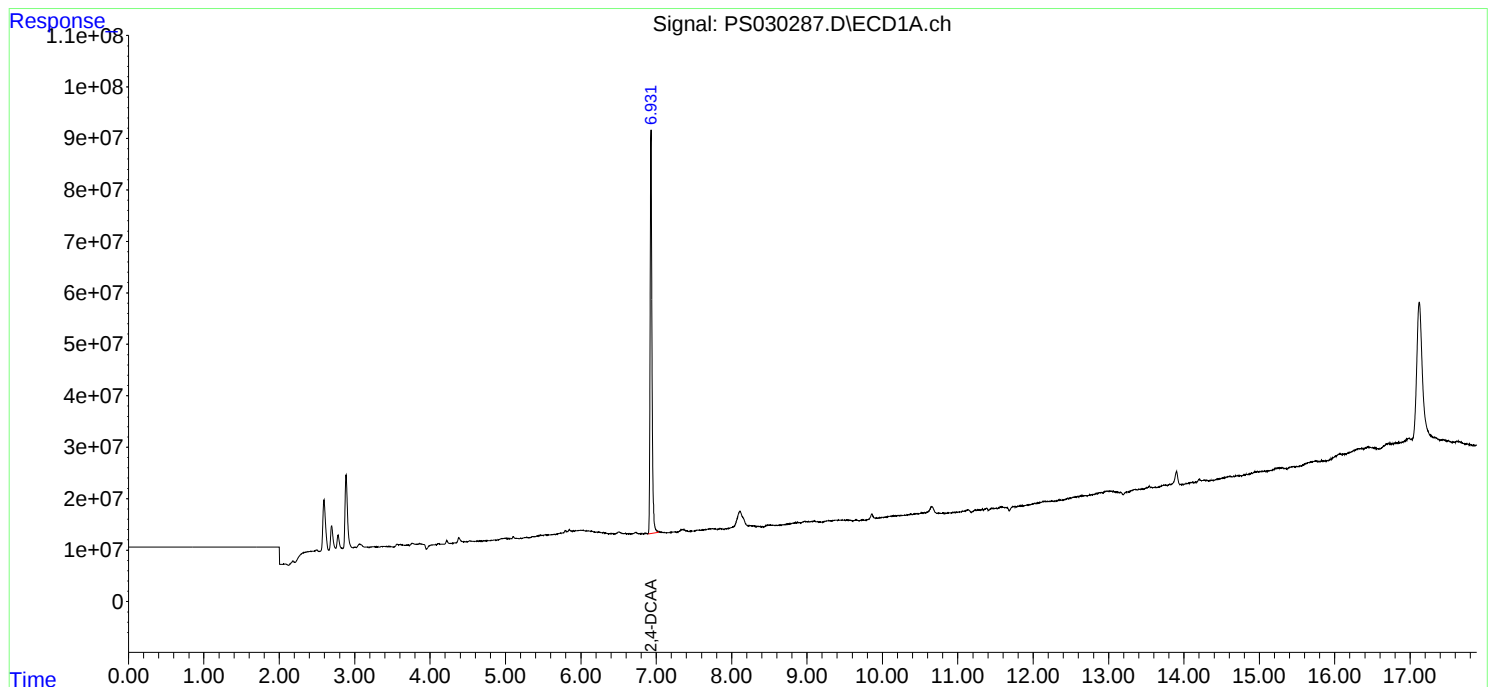
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

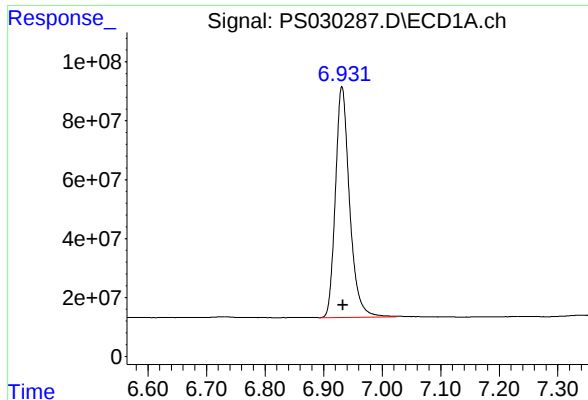
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030287.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 21:02  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:45:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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.: 6.931 min

Delta R.T.: -0.002 min

Response: 1317224645

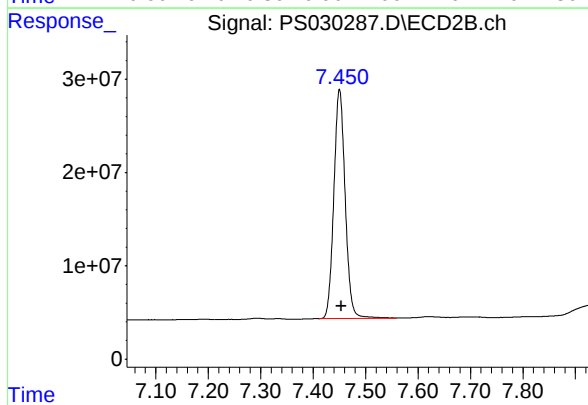
Conc: 462.54 ng/ml

Instrument :

ECD\_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.450 min

Delta R.T.: -0.003 min

Response: 369846961

Conc: 462.19 ng/ml

## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/20/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25       |
| Client Sample ID:  | PIBLK-PS030299.D           | SDG No.:           | Q2032          |
| Lab Sample ID:     | I.BLK-PS030299.D           | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 1000                       | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | SW3510C                    | Injection Volume : |                |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030299.D        | 1         |           | 05/20/25      | PS051925      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 469   |           | 39 - 175 | 94%        | 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 >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\PS051925\  
 Data File : PS030299.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 May 2025 01:51  
 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: May 20 05:50:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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 |
|----------|------|------|--------|--------|-------|-------|
|----------|------|------|--------|--------|-------|-------|

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System Monitoring Compounds

|      |          |       |       |          |         |         |         |
|------|----------|-------|-------|----------|---------|---------|---------|
| 4) S | 2,4-DCAA | 6.930 | 7.450 | 1336.2E6 | 370.6E6 | 469.204 | 463.150 |
|------|----------|-------|-------|----------|---------|---------|---------|

Target Compounds

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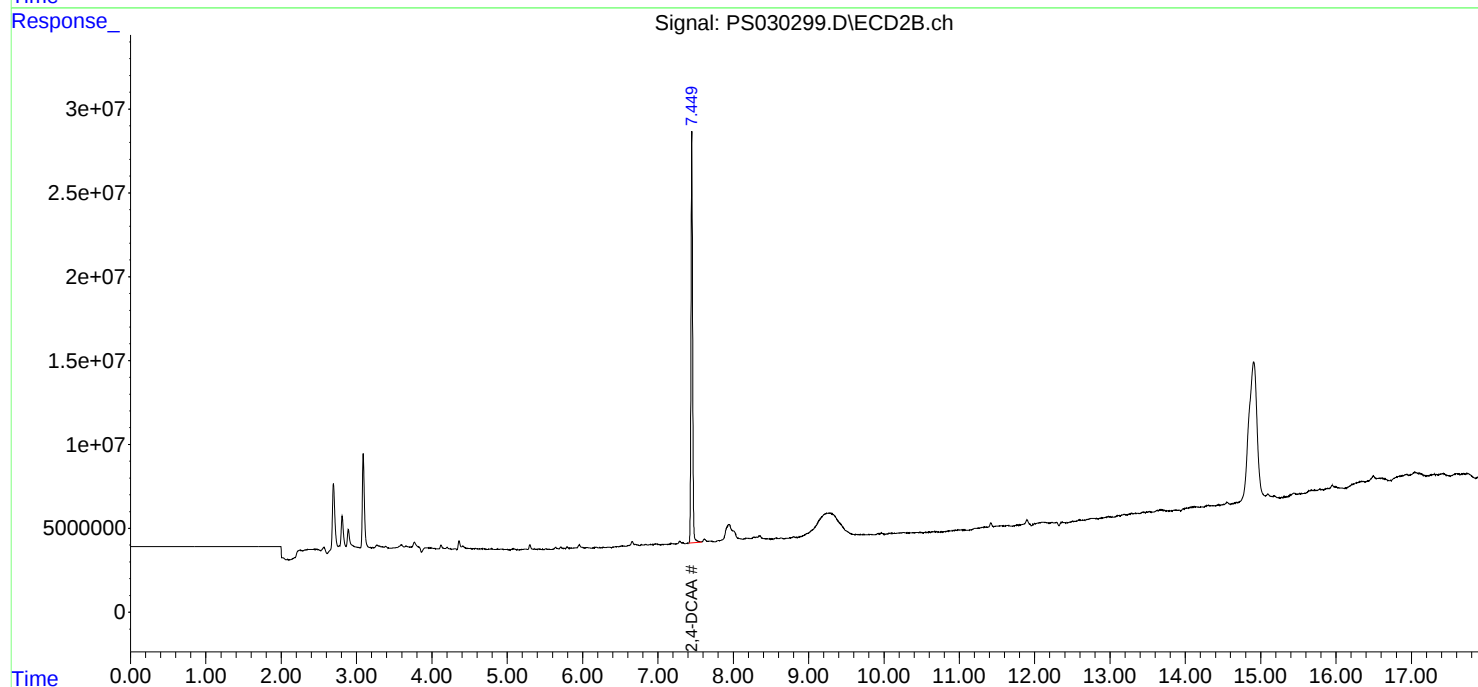
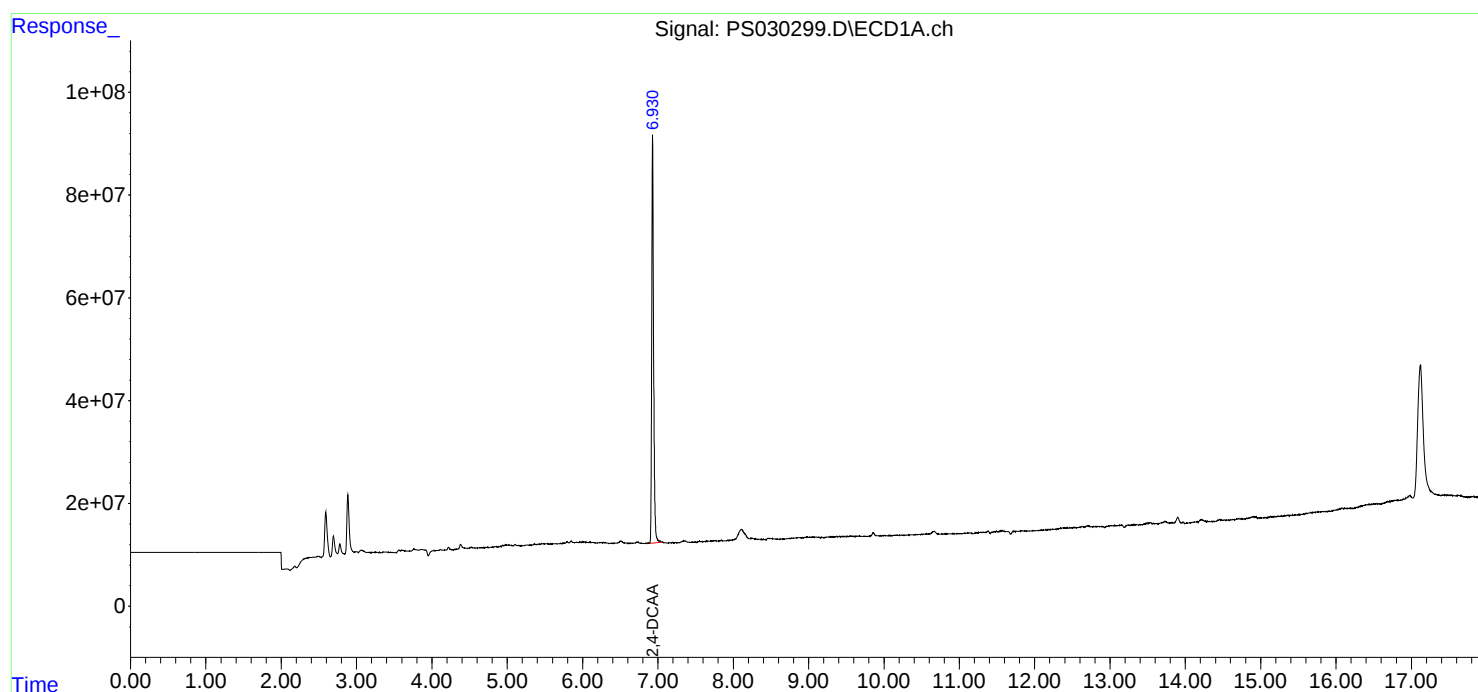
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

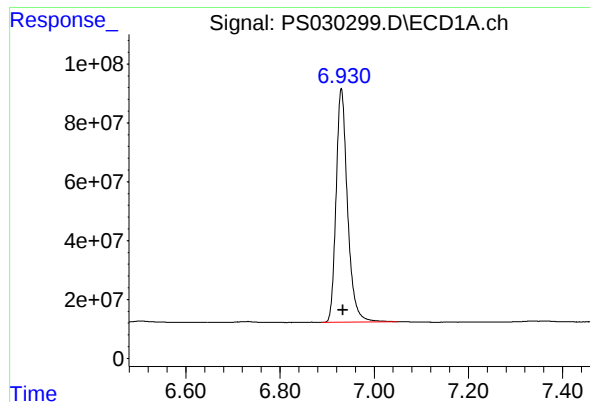
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030299.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 01:51  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:50:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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.: 6.930 min

Delta R.T.: -0.003 min

Response: 1336201800

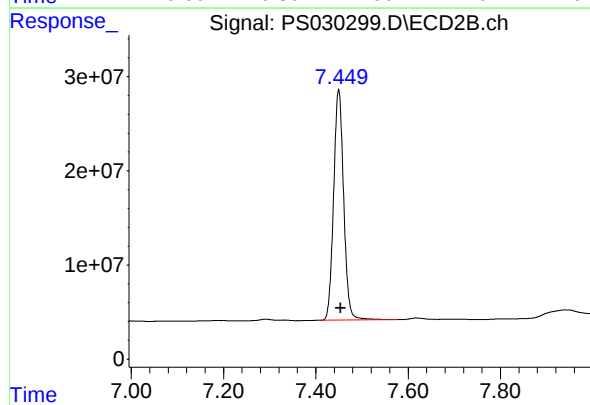
Conc: 469.20 ng/ml

Instrument :

ECD\_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.450 min

Delta R.T.: -0.004 min

Response: 370614284

Conc: 463.15 ng/ml

## Report of Analysis

|                    |                            |                    |                  |
|--------------------|----------------------------|--------------------|------------------|
| Client:            | CDM Smith                  | Date Collected:    |                  |
| Project:           | South River WM Replacement | Date Received:     |                  |
| Client Sample ID:  | PB168065BS                 | SDG No.:           | Q2032            |
| Lab Sample ID:     | PB168065BS                 | Matrix:            | TCLP             |
| Analytical Method: | 8151A                      | % Solid:           | 0      Decanted: |
| Sample Wt/Vol:     | 1000      Units:    mL     | Final Vol:         | 10000      uL    |
| Soil Aliquot Vol:  | uL                         | Test:              | TCLP 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 |
| PS030292.D        | 1         | 05/19/25 09:15 | 05/19/25 23:02 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 5.20  |           | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 5.20  |           | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 548   |           | 39 - 175 | 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\PS051925\  
 Data File : PS030292.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 May 2025 23:02  
 Operator : AR\AJ  
 Sample : PB168065BS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 PB168065BS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 20 05:47:26 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.931  | 7.450  | 1559.4E6  | 428.3E6   | 547.593 | 535.226  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.445  | 2.518  | 2439.3E6  | 974.8E6   | 496.254 | 479.966  |
| 2) T                        | 3,5-DICHL... | 6.136  | 6.450  | 2105.5E6  | 550.4E6   | 504.849 | 472.128  |
| 3) T                        | 4-Nitroph... | 6.721  | 6.985  | 1031.4E6  | 454.3E6   | 499.327 | 435.181  |
| 5) T                        | DICAMBA      | 7.107  | 7.635  | 5939.0E6  | 2389.1E6  | 513.874 | 505.310  |
| 6) T                        | MCP          | 7.285  | 7.742  | 377.2E6   | 89098149  | 51.793  | 48.429   |
| 7) T                        | MCPA         | 7.427  | 7.971  | 509.2E6   | 126.0E6   | 49.055  | 47.767   |
| 8) T                        | DICHLORPROP  | 7.787  | 8.327  | 1496.7E6  | 588.7E6   | 512.345 | 498.267  |
| 9) T                        | 2,4-D        | 8.006  | 8.639  | 1700.5E6  | 660.8E6   | 518.625 | 512.029  |
| 10) T                       | Pentachlo... | 8.283  | 9.139  | 21670.4E6 | 13129.8E6 | 535.061 | 531.896  |
| 11) T                       | 2,4,5-TP ... | 8.847  | 9.517  | 8455.4E6  | 5133.4E6  | 522.068 | 521.134  |
| 12) T                       | 2,4,5-T      | 9.128  | 9.921  | 8723.7E6  | 4767.5E6  | 528.224 | 518.008  |
| 13) T                       | 2,4-DB       | 9.686  | 10.479 | 1453.2E6  | 447.9E6   | 556.821 | 451.314  |
| 14) T                       | DINOSEB      | 10.847 | 10.852 | 5891.7E6  | 3475.2E6  | 515.169 | 508.668  |
| 15) T                       | Picloram     | 10.667 | 11.887 | 11338.0E6 | 7068.1E6  | 530.136 | 502.242m |
| 16) T                       | DCPA         | 11.148 | 11.886 | 10495.7E6 | 7200.1E6  | 527.120 | 532.924m |
| -----                       |              |        |        |           |           |         |          |

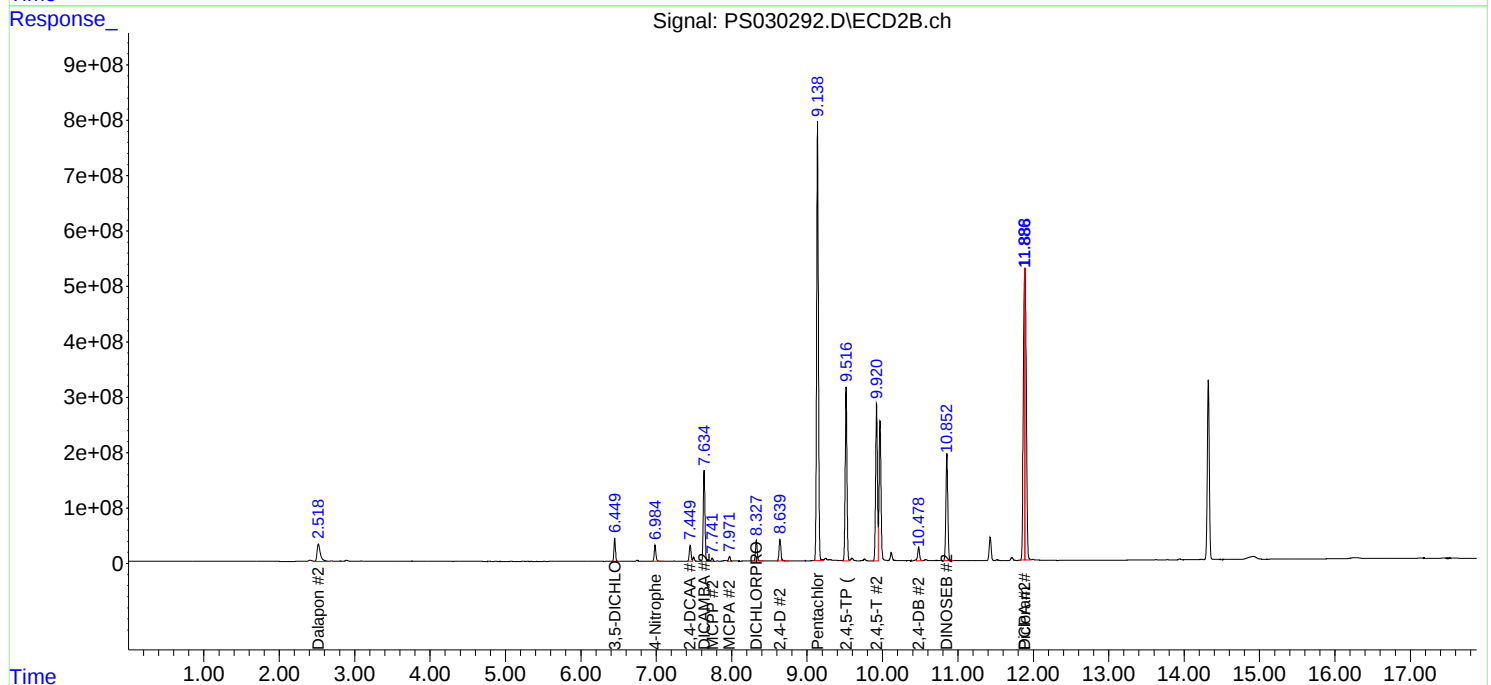
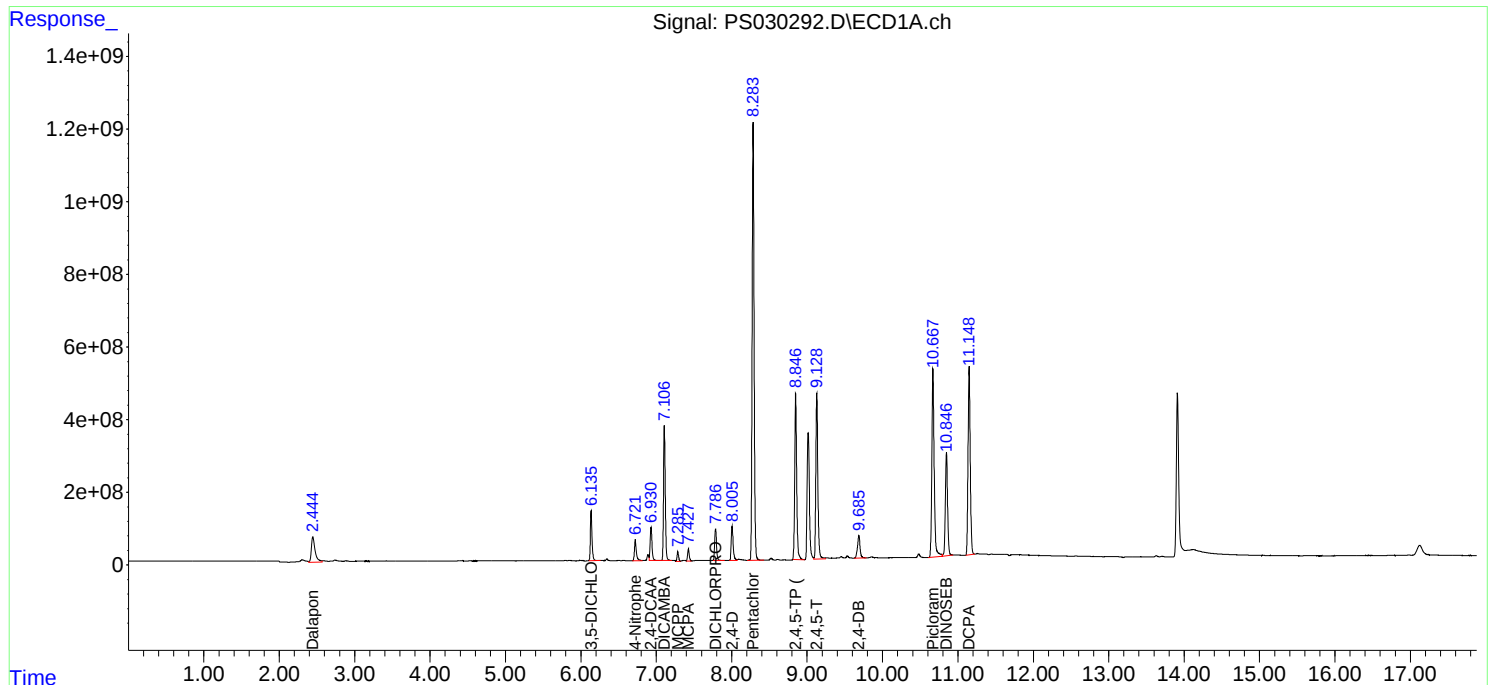
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030292.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 May 2025 23:02  
Operator : AR\AJ  
Sample : PB168065BS  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB168065BS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:47:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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



## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/12/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25       |
| Client Sample ID:  | B27-SOIL-SAMPLEMS          | SDG No.:           | Q2032          |
| Lab Sample ID:     | Q2027-03MS                 | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 100                        | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | SW3510C                    | Injection Volume : |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030295.D        | 1         | 05/19/25 09:15 | 05/20/25 00:14 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 57.1  |           | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 54.3  |           | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 508   |           | 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 >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\PS051925\  
 Data File : PS030295.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 May 2025 00:14  
 Operator : AR\AJ  
 Sample : Q2027-03MS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 B27-SOIL-SAMPLEMS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 20 05:48:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.931  | 7.450  | 1448.0E6  | 398.1E6   | 508.467 | 497.467   |
| Target Compounds            |              |        |        |           |           |         |           |
| 1) T                        | Dalapon      | 2.444  | 2.516  | 1865.8E6  | 1476.0E6  | 379.588 | 726.716 # |
| 2) T                        | 3,5-DICHL... | 6.136  | 6.450  | 2073.4E6  | 558.3E6   | 497.149 | 478.912   |
| 3) T                        | 4-Nitroph... | 6.726  | 6.987  | 27333126  | 9700357   | 13.232  | 9.291 #   |
| 5) T                        | DICAMBA      | 7.107  | 7.635  | 5139.6E6  | 2260.2E6  | 444.700 | 478.049   |
| 6) T                        | MCP          | 7.284  | 7.742  | 608.8E6   | 77174247  | 83.599  | 41.948 #  |
| 7) T                        | MCPA         | 7.427  | 7.970  | 477.5E6   | 155.0E6   | 45.999  | 58.750m#  |
| 8) T                        | DICHLORPROP  | 7.787  | 8.327  | 1457.4E6  | 636.7E6   | 498.864 | 538.899   |
| 9) T                        | 2,4-D        | 8.006  | 8.639  | 1848.5E6  | 737.5E6   | 563.738 | 571.473   |
| 10) T                       | Pentachlo... | 8.284  | 9.139  | 20726.9E6 | 12512.9E6 | 511.765 | 506.906   |
| 11) T                       | 2,4,5-TP ... | 8.847  | 9.517  | 8530.7E6  | 5345.2E6  | 526.716 | 542.632   |
| 12) T                       | 2,4,5-T      | 9.129  | 9.921  | 8335.7E6  | 4697.9E6  | 504.730 | 510.444   |
| 13) T                       | 2,4-DB       | 9.687  | 10.479 | 1240.0E6  | 433.7E6   | 475.152 | 436.993   |
| 14) T                       | DINOSEB      | 10.847 | 10.853 | 4680.0E6  | 3134.9E6  | 409.220 | 458.853   |
| 15) T                       | Picloram     | 10.667 | 11.886 | 9269.2E6  | 6521.4E6  | 433.405 | 463.393m  |
| 16) T                       | DCPA         | 11.149 | 11.884 | 9595.9E6  | 6571.3E6  | 481.929 | 486.382m  |
| -----                       |              |        |        |           |           |         |           |

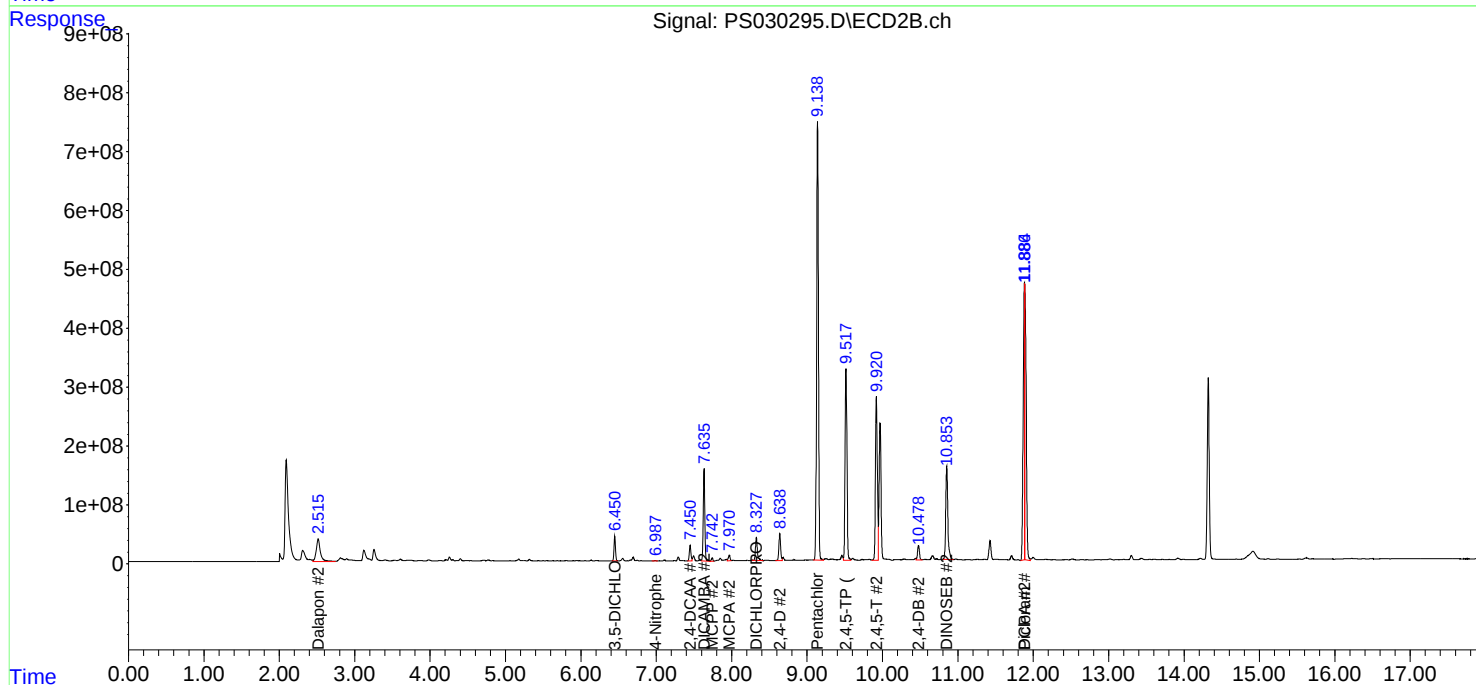
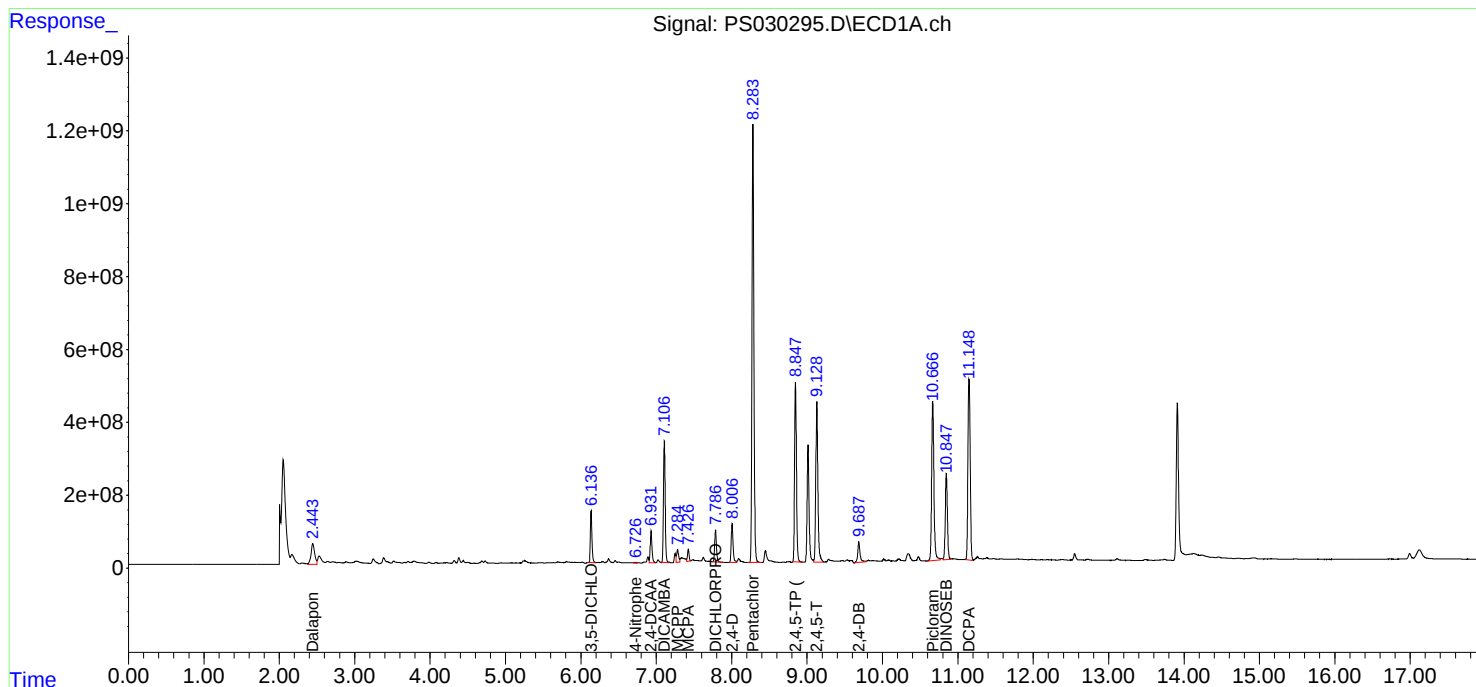
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030295.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 00:14  
Operator : AR\AJ  
Sample : Q2027-03MS  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
B27-SOIL-SAMPLEMS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:48:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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



## Report of Analysis

|                    |                            |                    |                |
|--------------------|----------------------------|--------------------|----------------|
| Client:            | CDM Smith                  | Date Collected:    | 05/12/25       |
| Project:           | South River WM Replacement | Date Received:     | 05/13/25       |
| Client Sample ID:  | B27-SOIL-SAMPLEMSD         | SDG No.:           | Q2032          |
| Lab Sample ID:     | Q2027-03MSD                | Matrix:            | TCLP           |
| Analytical Method: | 8151A                      | % Solid:           | 0              |
| Sample Wt/Vol:     | 100                        | Units:             | mL             |
| Soil Aliquot Vol:  |                            |                    | uL             |
| Extraction Type:   |                            | Test:              | TCLP Herbicide |
| GPC Factor :       | 1.0                        | PH :               |                |
| Prep Method :      | SW3510C                    | Injection Volume : |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030296.D        | 1         | 05/19/25 09:15 | 05/20/25 00:38 | PB168065      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 56.9  |           | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 53.9  |           | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 510   |           | 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\PS051925\  
 Data File : PS030296.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 May 2025 00:38  
 Operator : AR\AJ  
 Sample : Q2027-03MSD  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 B27-SOIL-SAMPLEMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 20 05:49:15 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 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     | 6.931  | 7.450  | 1451.5E6  | 396.5E6   | 509.696 | 495.540   |
| Target Compounds            |              |        |        |           |           |         |           |
| 1) T                        | Dalapon      | 2.444  | 2.516  | 1860.9E6  | 1447.8E6  | 378.579 | 712.854 # |
| 2) T                        | 3,5-DICHL... | 6.136  | 6.450  | 2066.2E6  | 555.5E6   | 495.417 | 476.474   |
| 3) T                        | 4-Nitroph... | 6.725  | 6.986  | 25581872  | 9461219   | 12.385  | 9.062 #   |
| 5) T                        | DICAMBA      | 7.106  | 7.635  | 5153.1E6  | 2258.3E6  | 445.869 | 477.651   |
| 6) T                        | MCPD         | 7.284  | 7.742  | 599.4E6   | 76224570  | 82.309  | 41.432 #  |
| 7) T                        | MCPA         | 7.426  | 7.968  | 477.4E6   | 145.2E6   | 45.990  | 55.066m   |
| 8) T                        | DICHLORPROP  | 7.786  | 8.327  | 1454.5E6  | 626.0E6   | 497.878 | 529.859   |
| 9) T                        | 2,4-D        | 8.005  | 8.639  | 1854.2E6  | 734.0E6   | 565.482 | 568.737   |
| 10) T                       | Pentachlo... | 8.283  | 9.138  | 20557.9E6 | 12341.2E6 | 507.593 | 499.947   |
| 11) T                       | 2,4,5-TP ... | 8.846  | 9.517  | 8520.7E6  | 5304.4E6  | 526.100 | 538.497   |
| 12) T                       | 2,4,5-T      | 9.128  | 9.920  | 8351.3E6  | 4678.1E6  | 505.674 | 508.291   |
| 13) T                       | 2,4-DB       | 9.687  | 10.478 | 1245.2E6  | 436.7E6   | 477.115 | 440.087   |
| 14) T                       | DINOSEB      | 10.846 | 10.852 | 4596.5E6  | 3065.3E6  | 401.918 | 448.674   |
| 15) T                       | Picloram     | 10.666 | 11.889 | 9313.5E6  | 5606.5E6  | 435.478 | 398.382m  |
| 16) T                       | DCPA         | 11.148 | 11.884 | 9592.4E6  | 6667.3E6  | 481.754 | 493.489m  |
| -----                       |              |        |        |           |           |         |           |

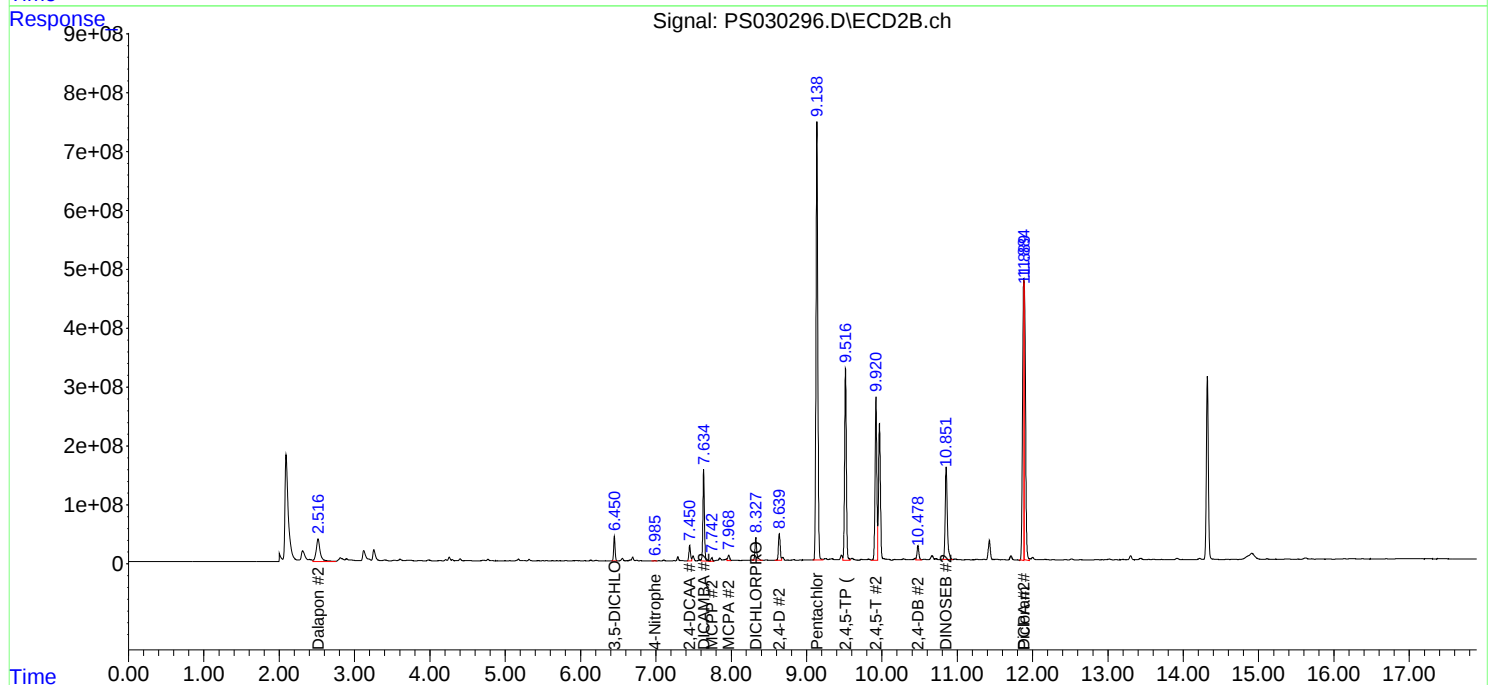
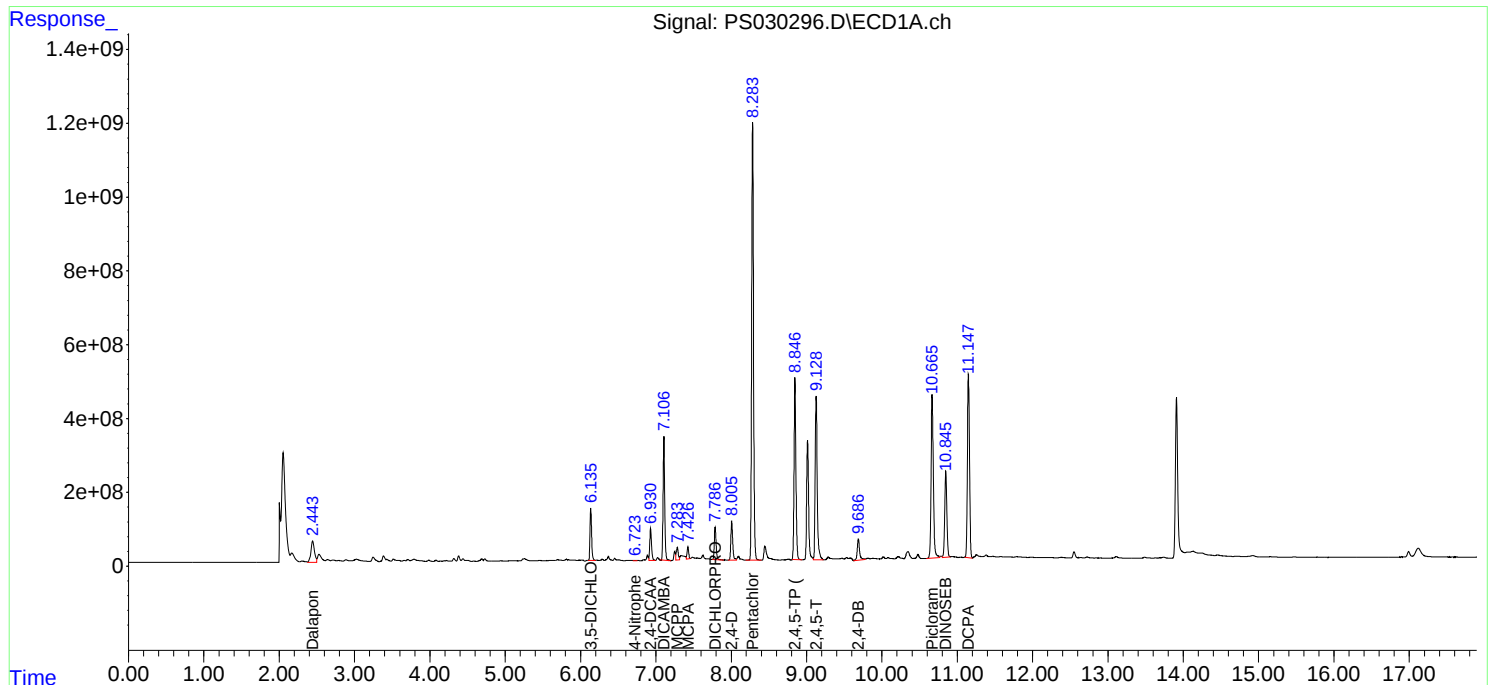
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051925\  
Data File : PS030296.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 00:38  
Operator : AR\AJ  
Sample : Q2027-03MSD  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
B27-SOIL-SAMPLEMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 20 05:49:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
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



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS051225 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|-------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| HSTDICC200  | PS030125.D | DCPA #2     | Abdul     | 5/13/2025 9:33:45 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC200  | PS030125.D | Picloram #2 | Abdul     | 5/13/2025 9:33:45 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC500  | PS030126.D | DCPA #2     | Abdul     | 5/13/2025 9:33:50 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC500  | PS030126.D | Picloram #2 | Abdul     | 5/13/2025 9:33:50 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC750  | PS030127.D | DCPA #2     | Abdul     | 5/13/2025 9:33:54 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC750  | PS030127.D | Picloram #2 | Abdul     | 5/13/2025 9:33:54 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC1000 | PS030128.D | DCPA #2     | Abdul     | 5/13/2025 9:33:58 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC1000 | PS030128.D | Picloram #2 | Abdul     | 5/13/2025 9:33:58 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC1500 | PS030129.D | DCPA #2     | Abdul     | 5/13/2025 9:34:03 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICC1500 | PS030129.D | Picloram #2 | Abdul     | 5/13/2025 9:34:03 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICV750  | PS030130.D | DCPA #2     | Abdul     | 5/13/2025 9:34:08 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDICV750  | PS030130.D | Picloram #2 | Abdul     | 5/13/2025 9:34:08 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750  | PS030132.D | DCPA #2     | Abdul     | 5/13/2025 9:34:12 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PS051225

Instrument

ECD\_s

| Sample ID  | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|-------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| HSTDCCC750 | PS030132.D | Picloram #2 | Abdul     | 5/13/2025 9:34:12 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750 | PS030138.D | DCPA #2     | Abdul     | 5/13/2025 9:34:34 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750 | PS030138.D | Picloram #2 | Abdul     | 5/13/2025 9:34:34 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750 | PS030146.D | DCPA #2     | Abdul     | 5/13/2025 9:35:02 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750 | PS030146.D | Picloram #2 | Abdul     | 5/13/2025 9:35:02 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PS051925 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|------------|------------|-------------|-----------|----------------------|---------------|---------------|-----------------------------|
| HSTDCCC750 | PS030259.D | DCPA #2     | Abdul     | 5/20/2025 8:59:24 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030259.D | Picloram #2 | Abdul     | 5/20/2025 8:59:24 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030264.D | DCPA #2     | Abdul     | 5/20/2025 8:59:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030264.D | Picloram #2 | Abdul     | 5/20/2025 8:59:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030276.D | DCPA #2     | Abdul     | 5/20/2025 9:00:27 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030276.D | Picloram #2 | Abdul     | 5/20/2025 9:00:27 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030288.D | DCPA #2     | Abdul     | 5/20/2025 9:01:15 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750 | PS030288.D | Picloram #2 | Abdul     | 5/20/2025 9:01:15 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB168065BS | PS030292.D | DCPA #2     | Abdul     | 5/20/2025 9:01:26 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB168065BS | PS030292.D | Picloram #2 | Abdul     | 5/20/2025 9:01:26 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB167994TB | PS030293.D | 2,4-DCAA #2 | Abdul     | 5/20/2025 9:01:31 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2027-03MS | PS030295.D | DCPA #2     | Abdul     | 5/20/2025 9:01:36 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2027-03MS | PS030295.D | MCPA #2     | Abdul     | 5/20/2025 9:01:36 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PS051925

Instrument

ECD\_s

| Sample ID   | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|-------------|-----------|----------------------|---------------|---------------|-----------------------------|
| Q2027-03MS  | PS030295.D | Picloram #2 | Abdul     | 5/20/2025 9:01:36 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2027-03MSD | PS030296.D | DCPA #2     | Abdul     | 5/20/2025 9:01:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2027-03MSD | PS030296.D | MCPA #2     | Abdul     | 5/20/2025 9:01:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2027-03MSD | PS030296.D | Picloram #2 | Abdul     | 5/20/2025 9:01:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750  | PS030300.D | DCPA #2     | Abdul     | 5/20/2025 9:01:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| HSTDCCC750  | PS030300.D | Picloram #2 | Abdul     | 5/20/2025 9:01:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051225**

|                                                                    |                                                         |                   |                                    |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | Abdul                                                   | Review On         | 5/13/2025 9:35:21 AM               |
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/14/2025 5:13:40 AM               |
| SubDirectory                                                       | PS051225                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                        |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | HEXANE      | PS030123.D     | 12 May 2025 11:42 | AR\AJ    | Ok       |
| 2   | I.BLK       | PS030124.D     | 12 May 2025 12:06 | AR\AJ    | Ok       |
| 3   | HSTDICC200  | PS030125.D     | 12 May 2025 12:30 | AR\AJ    | Ok,M     |
| 4   | HSTDICC500  | PS030126.D     | 12 May 2025 12:54 | AR\AJ    | Ok,M     |
| 5   | HSTDICC750  | PS030127.D     | 12 May 2025 13:18 | AR\AJ    | Ok,M     |
| 6   | HSTDICC1000 | PS030128.D     | 12 May 2025 13:42 | AR\AJ    | Ok,M     |
| 7   | HSTDICC1500 | PS030129.D     | 12 May 2025 14:06 | AR\AJ    | Ok,M     |
| 8   | HSTDICV750  | PS030130.D     | 12 May 2025 14:30 | AR\AJ    | Ok,M     |
| 9   | I.BLK       | PS030131.D     | 12 May 2025 14:54 | AR\AJ    | Ok       |
| 10  | HSTDCCC750  | PS030132.D     | 12 May 2025 15:18 | AR\AJ    | Ok,M     |
| 11  | Q1972-01    | PS030133.D     | 12 May 2025 15:42 | AR\AJ    | ReRun    |
| 12  | Q1972-01RE  | PS030134.D     | 12 May 2025 16:58 | AR\AJ    | Confirms |
| 13  | Q1972-05    | PS030135.D     | 12 May 2025 17:46 | AR\AJ    | Ok,M     |
| 14  | Q1972-05RE  | PS030136.D     | 12 May 2025 18:10 | AR\AJ    | Not Ok   |
| 15  | I.BLK       | PS030137.D     | 12 May 2025 18:34 | AR\AJ    | Ok       |
| 16  | HSTDCCC750  | PS030138.D     | 12 May 2025 18:58 | AR\AJ    | Ok,M     |
| 17  | PB167968BL  | PS030139.D     | 12 May 2025 19:46 | AR\AJ    | Ok,M     |
| 18  | PB167968BS  | PS030140.D     | 12 May 2025 20:10 | AR\AJ    | Ok,M     |
| 19  | PB167851TB  | PS030141.D     | 12 May 2025 20:34 | AR\AJ    | Ok       |
| 20  | Q1956-05    | PS030142.D     | 12 May 2025 20:59 | AR\AJ    | Ok,M     |
| 21  | Q1956-05MS  | PS030143.D     | 12 May 2025 21:23 | AR\AJ    | Ok,M     |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QCBatch ID # PS051225**

| Review By                                                          | Abdul                                                   | Review On         | 5/13/2025 9:35:21 AM               |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/14/2025 5:13:40 AM               |
| SubDirectory                                                       | PS051225                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| STD. NAME                                                          | STD REF.#                                               |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | Q1956-05MSD | PS030144.D | 12 May 2025 21:47 | AR\AJ | Ok,M |
| 23 | I.BLK       | PS030145.D | 12 May 2025 22:11 | AR\AJ | Ok   |
| 24 | HSTDCCC750  | PS030146.D | 12 May 2025 22:35 | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051925**

|                                                                    |                                                         |                   |                                    |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | Abdul                                                   | Review On         | 5/20/2025 9:02:23 AM               |
| Supervise By                                                       |                                                         | Supervise On      |                                    |
| SubDirectory                                                       | PS051925                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                        |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | HEXANE     | PS030257.D     | 19 May 2025 08:30 | AR\AJ    | Ok     |
| 2   | I.BLK      | PS030258.D     | 19 May 2025 08:54 | AR\AJ    | Ok     |
| 3   | HSTDCCC750 | PS030259.D     | 19 May 2025 09:18 | AR\AJ    | Ok,NS  |
| 4   | PB168030BL | PS030260.D     | 19 May 2025 10:12 | AR\AJ    | Ok     |
| 5   | PB168030BS | PS030261.D     | 19 May 2025 10:36 | AR\AJ    | Ok,NS  |
| 6   | Q2038-01   | PS030262.D     | 19 May 2025 11:00 | AR\AJ    | Ok,NS  |
| 7   | I.BLK      | PS030263.D     | 19 May 2025 11:24 | AR\AJ    | Ok     |
| 8   | HSTDCCC750 | PS030264.D     | 19 May 2025 11:48 | AR\AJ    | Ok,NS  |
| 9   | Q2034-01   | PS030265.D     | 19 May 2025 12:12 | AR\AJ    | Ok,NS  |
| 10  | Q2034-05   | PS030266.D     | 19 May 2025 12:36 | AR\AJ    | Ok,NS  |
| 11  | Q2034-09   | PS030267.D     | 19 May 2025 13:00 | AR\AJ    | Ok,NS  |
| 12  | Q2034-13   | PS030268.D     | 19 May 2025 13:24 | AR\AJ    | Ok,NS  |
| 13  | Q2034-17   | PS030269.D     | 19 May 2025 13:48 | AR\AJ    | Ok,NS  |
| 14  | Q2034-21   | PS030270.D     | 19 May 2025 14:12 | AR\AJ    | Ok,NS  |
| 15  | Q2048-01   | PS030271.D     | 19 May 2025 14:36 | AR\AJ    | Ok,NS  |
| 16  | Q2048-05   | PS030272.D     | 19 May 2025 15:00 | AR\AJ    | Ok,NS  |
| 17  | Q2048-09   | PS030273.D     | 19 May 2025 15:24 | AR\AJ    | Ok,NS  |
| 18  | Q2048-13   | PS030274.D     | 19 May 2025 15:48 | AR\AJ    | Ok,NS  |
| 19  | I.BLK      | PS030275.D     | 19 May 2025 16:12 | AR\AJ    | Ok     |
| 20  | HSTDCCC750 | PS030276.D     | 19 May 2025 16:37 | AR\AJ    | Ok,NS  |
| 21  | Q2052-01   | PS030277.D     | 19 May 2025 17:01 | AR\AJ    | Ok,NS  |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051925**

| Review By                                                          | Abdul                                                   | Review On         | 5/20/2025 9:02:23 AM               |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                                                       |                                                         | Supervise On      |                                    |
| SubDirectory                                                       | PS051925                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| STD. NAME                                                          | STD REF.#                                               |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

|    |             |            |                   |       |       |
|----|-------------|------------|-------------------|-------|-------|
| 22 | Q2057-01    | PS030278.D | 19 May 2025 17:25 | AR\AJ | Ok,NS |
| 23 | PB167996BL  | PS030279.D | 19 May 2025 17:49 | AR\AJ | Ok,NS |
| 24 | PB167996BS  | PS030280.D | 19 May 2025 18:13 | AR\AJ | Ok,NS |
| 25 | Q2032-01    | PS030281.D | 19 May 2025 18:37 | AR\AJ | Ok,NS |
| 26 | Q2032-02    | PS030282.D | 19 May 2025 19:01 | AR\AJ | Ok,NS |
| 27 | Q2032-03    | PS030283.D | 19 May 2025 19:25 | AR\AJ | Ok,NS |
| 28 | Q2032-04    | PS030284.D | 19 May 2025 19:49 | AR\AJ | Ok,NS |
| 29 | Q2032-05MS  | PS030285.D | 19 May 2025 20:13 | AR\AJ | Ok,NS |
| 30 | Q2032-06MSD | PS030286.D | 19 May 2025 20:38 | AR\AJ | Ok,NS |
| 31 | I.BLK       | PS030287.D | 19 May 2025 21:02 | AR\AJ | Ok    |
| 32 | HSTDCCC750  | PS030288.D | 19 May 2025 21:26 | AR\AJ | Ok,NS |
| 33 | Q2032-07    | PS030289.D | 19 May 2025 21:50 | AR\AJ | Ok,NS |
| 34 | Q2032-08    | PS030290.D | 19 May 2025 22:14 | AR\AJ | Ok,NS |
| 35 | PB168065BL  | PS030291.D | 19 May 2025 22:38 | AR\AJ | Ok    |
| 36 | PB168065BS  | PS030292.D | 19 May 2025 23:02 | AR\AJ | Ok,NS |
| 37 | PB167994TB  | PS030293.D | 19 May 2025 23:26 | AR\AJ | Ok,NS |
| 38 | Q2027-03    | PS030294.D | 19 May 2025 23:50 | AR\AJ | Ok    |
| 39 | Q2027-03MS  | PS030295.D | 20 May 2025 00:14 | AR\AJ | Ok,NS |
| 40 | Q2027-03MSD | PS030296.D | 20 May 2025 00:38 | AR\AJ | Ok,NS |
| 41 | Q2027-04    | PS030297.D | 20 May 2025 01:03 | AR\AJ | Ok    |
| 42 | Q2032-09    | PS030298.D | 20 May 2025 01:27 | AR\AJ | Ok    |
| 43 | I.BLK       | PS030299.D | 20 May 2025 01:51 | AR\AJ | Ok    |
| 44 | HSTDCCC750  | PS030300.D | 20 May 2025 02:15 | AR\AJ | Ok,NS |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QCBatch ID # PS051925**

| Review By                                                          | Abdul                                                   | Review On         | 5/20/2025 9:02:23 AM               |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                                                       |                                                         | Supervise On      |                                    |
| SubDirectory                                                       | PS051925                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| STD. NAME                                                          | STD REF.#                                               |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051225**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 5/13/2025 9:35:21 AM               |
| Supervise By | mohammad | Supervise On      | 5/14/2025 5:13:40 AM               |
| SubDirectory | PS051225 | HP Acquire Method | HP Processing Method ps051225 8151 |

| STD. NAME                               | STD REF.#                                               |
|-----------------------------------------|---------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |
| CCC                                     | PP24559                                                 |
| Internal Standard/PEM                   |                                                         |
| ICV/I.BLK                               | PP24562                                                 |
| Surrogate Standard                      |                                                         |
| MS/MSD Standard                         |                                                         |
| LCS Standard                            |                                                         |

| Sr# | SampleId    | ClientID    | Data File Name | Date-Time         | Comment                       | Operator | Status   |
|-----|-------------|-------------|----------------|-------------------|-------------------------------|----------|----------|
| 1   | HEXANE      | HEXANE      | PS030123.D     | 12 May 2025 11:42 |                               | AR\AJ    | Ok       |
| 2   | I.BLK       | I.BLK       | PS030124.D     | 12 May 2025 12:06 |                               | AR\AJ    | Ok       |
| 3   | HSTDICC200  | HSTDICC200  | PS030125.D     | 12 May 2025 12:30 |                               | AR\AJ    | Ok,M     |
| 4   | HSTDICC500  | HSTDICC500  | PS030126.D     | 12 May 2025 12:54 |                               | AR\AJ    | Ok,M     |
| 5   | HSTDICC750  | HSTDICC750  | PS030127.D     | 12 May 2025 13:18 |                               | AR\AJ    | Ok,M     |
| 6   | HSTDICC1000 | HSTDICC1000 | PS030128.D     | 12 May 2025 13:42 |                               | AR\AJ    | Ok,M     |
| 7   | HSTDICC1500 | HSTDICC1500 | PS030129.D     | 12 May 2025 14:06 |                               | AR\AJ    | Ok,M     |
| 8   | HSTDICV750  | ICVPS051225 | PS030130.D     | 12 May 2025 14:30 |                               | AR\AJ    | Ok,M     |
| 9   | I.BLK       | I.BLK       | PS030131.D     | 12 May 2025 14:54 |                               | AR\AJ    | Ok       |
| 10  | HSTDCCC750  | HSTDCCC750  | PS030132.D     | 12 May 2025 15:18 |                               | AR\AJ    | Ok,M     |
| 11  | Q1972-01    | SUB-WC      | PS030133.D     | 12 May 2025 15:42 | Surrogate high in both column | AR\AJ    | ReRun    |
| 12  | Q1972-01RE  | SUB-WCRE    | PS030134.D     | 12 May 2025 16:58 | Surrogate high in both column | AR\AJ    | Confirms |
| 13  | Q1972-05    | WC-B-10     | PS030135.D     | 12 May 2025 17:46 |                               | AR\AJ    | Ok,M     |
| 14  | Q1972-05RE  | WC-B-10RE   | PS030136.D     | 12 May 2025 18:10 | not needed                    | AR\AJ    | Not Ok   |
| 15  | I.BLK       | I.BLK       | PS030137.D     | 12 May 2025 18:34 |                               | AR\AJ    | Ok       |
| 16  | HSTDCCC750  | HSTDCCC750  | PS030138.D     | 12 May 2025 18:58 |                               | AR\AJ    | Ok,M     |
| 17  | PB167968BL  | PB167968BL  | PS030139.D     | 12 May 2025 19:46 |                               | AR\AJ    | Ok,M     |
| 18  | PB167968BS  | PB167968BS  | PS030140.D     | 12 May 2025 20:10 |                               | AR\AJ    | Ok,M     |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051225**

|                                                                    |                                                         |                   |                                    |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | Abdul                                                   | Review On         | 5/13/2025 9:35:21 AM               |
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/14/2025 5:13:40 AM               |
| SubDirectory                                                       | PS051225                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                                        |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

|    |             |            |            |                   |                           |       |      |
|----|-------------|------------|------------|-------------------|---------------------------|-------|------|
| 19 | PB167851TB  | PB167851TB | PS030141.D | 12 May 2025 20:34 |                           | AR\AJ | Ok   |
| 20 | Q1956-05    | COMP1      | PS030142.D | 12 May 2025 20:59 |                           | AR\AJ | Ok,M |
| 21 | Q1956-05MS  | COMP1MS    | PS030143.D | 12 May 2025 21:23 | Comp#1,6,14 recovery fail | AR\AJ | Ok,M |
| 22 | Q1956-05MSD | COMP1MSD   | PS030144.D | 12 May 2025 21:47 | Comp#1,6,14 recovery fail | AR\AJ | Ok,M |
| 23 | I.BLK       | I.BLK      | PS030145.D | 12 May 2025 22:11 |                           | AR\AJ | Ok   |
| 24 | HSTDCCC750  | HSTDCCC750 | PS030146.D | 12 May 2025 22:35 |                           | AR\AJ | Ok,M |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051925**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 5/20/2025 9:02:23 AM               |
| Supervise By |          | Supervise On      |                                    |
| SubDirectory | PS051925 | HP Acquire Method | HP Processing Method ps051225 8151 |

| STD. NAME                               | STD REF.#                                               |
|-----------------------------------------|---------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |
| CCC                                     | PP24559                                                 |
| Internal Standard/PEM                   |                                                         |
| ICV/I.BLK                               | PP24562                                                 |
| Surrogate Standard                      |                                                         |
| MS/MSD Standard                         |                                                         |
| LCS Standard                            |                                                         |

| Sr# | SampleID   | ClientID   | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|------------|------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE     | HEXANE     | PS030257.D     | 19 May 2025 08:30 |         | AR\AJ    | Ok     |
| 2   | I.BLK      | I.BLK      | PS030258.D     | 19 May 2025 08:54 |         | AR\AJ    | Ok     |
| 3   | HSTDCCC750 | HSTDCCC750 | PS030259.D     | 19 May 2025 09:18 |         | AR\AJ    | Ok,NS  |
| 4   | PB168030BL | PB168030BL | PS030260.D     | 19 May 2025 10:12 |         | AR\AJ    | Ok     |
| 5   | PB168030BS | PB168030BS | PS030261.D     | 19 May 2025 10:36 |         | AR\AJ    | Ok,NS  |
| 6   | Q2038-01   | 72-11991   | PS030262.D     | 19 May 2025 11:00 |         | AR\AJ    | Ok,NS  |
| 7   | I.BLK      | I.BLK      | PS030263.D     | 19 May 2025 11:24 |         | AR\AJ    | Ok     |
| 8   | HSTDCCC750 | HSTDCCC750 | PS030264.D     | 19 May 2025 11:48 |         | AR\AJ    | Ok,NS  |
| 9   | Q2034-01   | L3-WC-1    | PS030265.D     | 19 May 2025 12:12 |         | AR\AJ    | Ok,NS  |
| 10  | Q2034-05   | L3-WC-2    | PS030266.D     | 19 May 2025 12:36 |         | AR\AJ    | Ok,NS  |
| 11  | Q2034-09   | L3-WC-3    | PS030267.D     | 19 May 2025 13:00 |         | AR\AJ    | Ok,NS  |
| 12  | Q2034-13   | L3-WC-4    | PS030268.D     | 19 May 2025 13:24 |         | AR\AJ    | Ok,NS  |
| 13  | Q2034-17   | L3-WC-5    | PS030269.D     | 19 May 2025 13:48 |         | AR\AJ    | Ok,NS  |
| 14  | Q2034-21   | L3-WC-6    | PS030270.D     | 19 May 2025 14:12 |         | AR\AJ    | Ok,NS  |
| 15  | Q2048-01   | L2-WC-1    | PS030271.D     | 19 May 2025 14:36 |         | AR\AJ    | Ok,NS  |
| 16  | Q2048-05   | L2-WC-2    | PS030272.D     | 19 May 2025 15:00 |         | AR\AJ    | Ok,NS  |
| 17  | Q2048-09   | L2-WC-3    | PS030273.D     | 19 May 2025 15:24 |         | AR\AJ    | Ok,NS  |
| 18  | Q2048-13   | L2-WC-4    | PS030274.D     | 19 May 2025 15:48 |         | AR\AJ    | Ok,NS  |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051925**

|                                         |                                                         |                   |                                    |
|-----------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | Abdul                                                   | Review On         | 5/20/2025 9:02:23 AM               |
| Supervise By                            |                                                         | Supervise On      |                                    |
| SubDirectory                            | PS051925                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                        |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC                                     | PP24559                                                 |                   |                                    |
| Internal Standard/PEM                   |                                                         |                   |                                    |
| ICV/I.BLK                               | PP24562                                                 |                   |                                    |
| Surrogate Standard                      |                                                         |                   |                                    |
| MS/MSD Standard                         |                                                         |                   |                                    |
| LCS Standard                            |                                                         |                   |                                    |

|    |             |            |            |                   |  |       |       |
|----|-------------|------------|------------|-------------------|--|-------|-------|
| 19 | I.BLK       | I.BLK      | PS030275.D | 19 May 2025 16:12 |  | AR\AJ | Ok    |
| 20 | HSTDCCC750  | HSTDCCC750 | PS030276.D | 19 May 2025 16:37 |  | AR\AJ | Ok,NS |
| 21 | Q2052-01    | TP-B       | PS030277.D | 19 May 2025 17:01 |  | AR\AJ | Ok,NS |
| 22 | Q2057-01    | MH-L       | PS030278.D | 19 May 2025 17:25 |  | AR\AJ | Ok,NS |
| 23 | PB167996BL  | PB167996BL | PS030279.D | 19 May 2025 17:49 |  | AR\AJ | Ok,NS |
| 24 | PB167996BS  | PB167996BS | PS030280.D | 19 May 2025 18:13 |  | AR\AJ | Ok,NS |
| 25 | Q2032-01    | TP-11      | PS030281.D | 19 May 2025 18:37 |  | AR\AJ | Ok,NS |
| 26 | Q2032-02    | TP-29      | PS030282.D | 19 May 2025 19:01 |  | AR\AJ | Ok,NS |
| 27 | Q2032-03    | TP-29-99   | PS030283.D | 19 May 2025 19:25 |  | AR\AJ | Ok,NS |
| 28 | Q2032-04    | TP-24      | PS030284.D | 19 May 2025 19:49 |  | AR\AJ | Ok,NS |
| 29 | Q2032-05MS  | TP-24MS    | PS030285.D | 19 May 2025 20:13 |  | AR\AJ | Ok,NS |
| 30 | Q2032-06MSD | TP-24MSD   | PS030286.D | 19 May 2025 20:38 |  | AR\AJ | Ok,NS |
| 31 | I.BLK       | I.BLK      | PS030287.D | 19 May 2025 21:02 |  | AR\AJ | Ok    |
| 32 | HSTDCCC750  | HSTDCCC750 | PS030288.D | 19 May 2025 21:26 |  | AR\AJ | Ok,NS |
| 33 | Q2032-07    | TP-37      | PS030289.D | 19 May 2025 21:50 |  | AR\AJ | Ok,NS |
| 34 | Q2032-08    | TP-32      | PS030290.D | 19 May 2025 22:14 |  | AR\AJ | Ok,NS |
| 35 | PB168065BL  | PB168065BL | PS030291.D | 19 May 2025 22:38 |  | AR\AJ | Ok    |
| 36 | PB168065BS  | PB168065BS | PS030292.D | 19 May 2025 23:02 |  | AR\AJ | Ok,NS |
| 37 | PB167994TB  | PB167994TB | PS030293.D | 19 May 2025 23:26 |  | AR\AJ | Ok,NS |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS051925**

| Review By                                                          | Abdul                                                   | Review On         | 5/20/2025 9:02:23 AM               |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                                                       |                                                         | Supervise On      |                                    |
| SubDirectory                                                       | PS051925                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| STD. NAME                                                          | STD REF.#                                               |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC<br>Internal Standard/PEM                                       | PP24559                                                 |                   |                                    |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24562                                                 |                   |                                    |

|    |             |                   |            |                   |  |       |       |
|----|-------------|-------------------|------------|-------------------|--|-------|-------|
| 38 | Q2027-03    | B27-SOIL-SAMPLE   | PS030294.D | 19 May 2025 23:50 |  | AR\AJ | Ok    |
| 39 | Q2027-03MS  | B27-SOIL-SAMPLEMS | PS030295.D | 20 May 2025 00:14 |  | AR\AJ | Ok,NS |
| 40 | Q2027-03MSD | B27-SOIL-SAMPLEMS | PS030296.D | 20 May 2025 00:38 |  | AR\AJ | Ok,NS |
| 41 | Q2027-04    | B28-SOIL-SAMPLE   | PS030297.D | 20 May 2025 01:03 |  | AR\AJ | Ok    |
| 42 | Q2032-09    | COMP-1            | PS030298.D | 20 May 2025 01:27 |  | AR\AJ | Ok    |
| 43 | I.BLK       | I.BLK             | PS030299.D | 20 May 2025 01:51 |  | AR\AJ | Ok    |
| 44 | HSTDCCC750  | HSTDCCC750        | PS030300.D | 20 May 2025 02:15 |  | AR\AJ | Ok,NS |

M : Manual Integration

|                         |               |                                                         |
|-------------------------|---------------|---------------------------------------------------------|
| <b>SOP ID :</b>         | M1311-TCLP-15 |                                                         |
| <b>SDG No :</b>         | N/A           | <b>Start Prep Date :</b> 05/14/2025 <b>Time :</b> 16:10 |
| <b>Weigh By :</b>       | JP            | <b>End Prep Date :</b> 05/15/2025 <b>Time :</b> 09:15   |
| <b>Balance ID :</b>     | WC SC-7       | <b>Combination Ratio :</b> 20                           |
| <b>pH Meter ID :</b>    | WC PH METER-1 | <b>ZHE Cleaning Batch :</b> <del>N/A</del> 10           |
| <b>Extraction By :</b>  | JP            | <b>Initial Room Temperature:</b> 23 °C                  |
| <b>Filter By :</b>      | JP            | <b>Final Room Temperature:</b> 21 °C                    |
| <b>Pippete ID :</b>     | WC            | <b>TCLP Technician Signature :</b> 10                   |
| <b>Tumbler ID :</b>     | T-1 / T-2     | <b>Supervisor By :</b> 12                               |
| <b>TCLP Filter ID :</b> | 115525        |                                                         |

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |
| N/A           | N/A      | N/A                 |

| Chemical Used        | ML/SAMPLE U       | Lot Number              |
|----------------------|-------------------|-------------------------|
| TCLP-FLUID-1         | N/A               | WP112795                |
| HCL-TCLP,1N          | N/A               | WP112797                |
| HNO3-TCLP,1N         | N/A               | WP112799                |
| pH Strips            | N/A               | W1931,W1934,W3171,W3172 |
| pH Strips            | W1940,W1941,W1942 | W3166,W1938,W1939,      |
| 1 Liter Amber        | N/A               | 90924-08                |
| 120ml Plastic bottle | N/A               | 2738                    |
| 1:1 HNO3             | N/A               | MP84041                 |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. Q2048-16 IS USED FOR MS-MSD.

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 05/15/25 11:45 | JP 100 Room                             | 5129 RJ 1641         |
|                | Preparation Group                       | Analysis Group       |

| Sample ID  | ClientID        | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|-----------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167994TB | LEB994          | 18             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.5                     | T-2      |
| Q2019-04   | MH-K            | 01             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-1      |
| Q2020-04   | TP-A            | 02             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 6.0               | 1.5                     | T-1      |
| Q2023-02   | HEATER-PAD      | 03             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 12.0              | 1.0                     | T-1      |
| Q2027-03   | B27-SOIL-SAMPLE | 04             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 9.1               | 1.0                     | T-1      |
| Q2027-04   | B28-SOIL-SAMPLE | 05             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 10.0              | 1.5                     | T-1      |
| Q2032-09   | COMP-1          | 06             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2034-04   | L3-WC-1         | 07             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| Q2034-08   | L3-WC-2         | 08             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 5.0               | 1.0                     | T-1      |
| Q2034-12   | L3-WC-3         | 09             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.5                     | T-1      |
| Q2034-16   | L3-WC-4         | 10             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2034-20   | L3-WC-5         | 11             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-2      |
| Q2034-24   | L3-WC-6         | 12             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.0                     | T-2      |
| Q2038-02   | 72-11991        | 13             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-2      |
| Q2048-04   | L2-WC-1         | 14             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.0                     | T-2      |
| Q2048-08   | L2-WC-2         | 15             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-2      |
| Q2048-12   | L2-WC-3         | 16             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.5                     | T-2      |
| Q2048-16   | L2-WC-4         | 17             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.0                     | T-2      |

| SampleID   | ClientID        | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|------------|-----------------|-------------------|-------------------|---------------|------------------------------|----------|--------------|
| PB167994TB | LEB994          | N/A               | N/A               | N/A           | N/A                          | N/A      | N/A          |
| Q2019-04   | MH-K            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2020-04   | TP-A            | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2023-02   | HEATER-PAD      | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2027-03   | B27-SOIL-SAMPLE | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2027-04   | B28-SOIL-SAMPLE | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2032-09   | COMP-1          | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-04   | L3-WC-1         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-08   | L3-WC-2         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-12   | L3-WC-3         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-16   | L3-WC-4         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-20   | L3-WC-5         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2034-24   | L3-WC-6         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2038-02   | 72-11991        | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2048-04   | L2-WC-1         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2048-08   | L2-WC-2         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2048-12   | L2-WC-3         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q2048-16   | L2-WC-4         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

| SampleID   | ClientID        | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|------------|-----------------|-------------------|----------------------|---------------------|----------------------|-------------------------|---------------------|
| PB167994TB | LEB994          | N/A               | N/A                  | N/A                 | N/A                  | #1                      | 4.94                |
| Q2019-04   | MH-K            | 5.02              | 96.5                 | 8.2                 | 3.0                  | #1                      | 4.94                |
| Q2020-04   | TP-A            | 5.03              | 96.5                 | 8.4                 | 3.5                  | #1                      | 4.94                |
| Q2023-02   | HEATER-PAD      | 5.02              | 96.5                 | 12.5                | 4.5                  | #1                      | 4.94                |
| Q2027-03   | B27-SOIL-SAMPLE | 5.03              | 96.5                 | 11.0                | 4.5                  | #1                      | 4.94                |
| Q2027-04   | B28-SOIL-SAMPLE | 5.04              | 96.5                 | 11.5                | 4.0                  | #1                      | 4.94                |
| Q2032-09   | COMP-1          | 5.02              | 96.5                 | 5.5                 | 1.5                  | #1                      | 4.94                |
| Q2034-04   | L3-WC-1         | 5.03              | 96.5                 | 5.5                 | 1.5                  | #1                      | 4.94                |
| Q2034-08   | L3-WC-2         | 5.02              | 96.5                 | 5.6                 | 2.0                  | #1                      | 4.94                |
| Q2034-12   | L3-WC-3         | 5.01              | 96.5                 | 7.0                 | 2.5                  | #1                      | 4.94                |
| Q2034-16   | L3-WC-4         | 5.02              | 96.5                 | 7.6                 | 2.0                  | #1                      | 4.94                |
| Q2034-20   | L3-WC-5         | 5.03              | 96.5                 | 5.6                 | 1.5                  | #1                      | 4.94                |
| Q2034-24   | L3-WC-6         | 5.04              | 96.5                 | 5.5                 | 1.5                  | #1                      | 4.94                |
| Q2038-02   | 72-11991        | 5.03              | 96.5                 | 7.2                 | 2.5                  | #1                      | 4.94                |
| Q2048-04   | L2-WC-1         | 5.02              | 96.5                 | 6.4                 | 2.0                  | #1                      | 4.94                |
| Q2048-08   | L2-WC-2         | 5.01              | 96.5                 | 6.0                 | 2.5                  | #1                      | 4.94                |
| Q2048-12   | L2-WC-3         | 5.02              | 96.5                 | 6.2                 | 2.0                  | #1                      | 4.94                |
| Q2048-16   | L2-WC-4         | 5.03              | 96.5                 | 6.2                 | 2.5                  | #1                      | 4.94                |

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q2034

WorkList ID : 189510

Department : TCLP Extraction

Date : 05-14-2025 10:41:34

| Sample   | Customer Sample | Matrix | Test            | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|-----------------|--------------|----------|-----------------------------|--------------|--------|
| Q2019-04 | MH-K            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2020-04 | TP-A            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/12/2025   | 1311   |
| Q2023-02 | HEATER-PAD      | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2027-03 | B27-SOIL-SAMPLE | Solid  | TCLP Extraction | Cool 4 deg C | SCAL01   | L41                         | 05/12/2025   | 1311   |
| Q2027-04 | B28-SOIL-SAMPLE | Solid  | TCLP Extraction | Cool 4 deg C | SCAL01   | L41                         | 05/12/2025   | 1311   |
| Q2032-09 | COMP-1          | Solid  | TCLP Extraction | Cool 4 deg C | CAMP02   | L41                         | 05/13/2025   | 1311   |
| Q2034-04 | L3-WC-1         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2034-08 | L3-WC-2         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2034-12 | L3-WC-3         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2034-16 | L3-WC-4         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2034-20 | L3-WC-5         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2034-24 | L3-WC-6         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/13/2025   | 1311   |
| Q2038-02 | 72-11991        | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L31                         | 05/14/2025   | 1311   |
| Q2048-04 | L2-WC-1         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | 1311   |
| Q2048-08 | L2-WC-2         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | 1311   |
| Q2048-12 | L2-WC-3         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | 1311   |
| Q2048-16 | L2-WC-4         | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/14/2025   | 1311   |

Date/Time 05-14-25 14:35  
 Raw Sample Received by: SP WPC  
 Raw Sample Relinquished by: CP SM

05-14-25 18:00  
 Date/Time 05-14-25  
 Raw Sample Received by: CP SM  
 Raw Sample Relinquished by: SP WPC

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix: Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date: 05/19/2025

Extraction Start Time: 09:15

Extraction End Date: 05/19/2025

Extraction End Time: 16:00

Concentration By: EH

Supervisor By: RUPESH

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

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5/500 PPM           | PP24484             |
| Surrogate     | 1.0ML    | 5000 PPB            | PP24552             |
| 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 |
|------------------|----------------|------------|
| Ether            | N/A            | E3881      |
| Acidified Na2SO4 | N/A            | EP2576     |
| NAOH 6N          | N/A            | EP2606     |
| 12N H2SO4        | N/A            | EP2605     |
| NACL             | N/A            | M4459      |
| ISO OCTANE       | N/A            | E3554      |
| Diazomethane     | N/A            | EP2608     |
| Hexane           | N/A            | E3934      |
| NACL             | N/A            | M4459      |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |
| N/A              | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 5/19/25     | RSC Ext (lab)                           | R. Pest-PCB Lab      |
| 16:05       | Preparation Group                       | Analysis Group       |

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/19/2025

| Sample ID       | Client Sample ID   | Test           | g / (mL) | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|--------------------|----------------|----------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                    |                |          |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167994TB      | PB167994TB         | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 |       |          | SEP-1       |
| PB168065BL      | HBLK065            | TCLP Herbicide | 1000     | 6  | Evelyn         | RUPESH     | 10                 |       |          | 2           |
| PB168065BS      | HLCS065            | TCLP Herbicide | 1000     | 6  | Evelyn         | RUPESH     | 10                 |       |          | 3           |
| Q2027-03        | B27-SOIL-SAMPLE    | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 | A     |          | 4           |
| Q2027-03MS      | B27-SOIL-SAMPLEMS  | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 | A     |          | 5           |
| Q2027-03MS<br>D | B27-SOIL-SAMPLEMSD | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 | A     |          | 6           |
| Q2027-04        | B28-SOIL-SAMPLE    | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 | A     |          | 7           |
| Q2032-09        | COMP-1             | TCLP Herbicide | 100      | 6  | Evelyn         | RUPESH     | 10                 | A     |          | 8           |

RS  
5/19

| Sample ID  | ClientID        | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|-----------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167994TB | LEB994          | 18             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.5                     | T-2      |
| Q2019-04   | MH-K            | 01             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-1      |
| Q2020-04   | TP-A            | 02             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 6.0               | 1.5                     | T-1      |
| Q2023-02   | HEATER-PAD      | 03             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 12.0              | 1.0                     | T-1      |
| Q2027-03   | B27-SOIL-SAMPLE | 04             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 9.1               | 1.0                     | T-1      |
| Q2027-04   | B28-SOIL-SAMPLE | 05             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 10.0              | 1.5                     | T-1      |
| Q2032-09   | COMP-1          | 06             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2034-04   | L3-WC-1         | 07             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| Q2034-08   | L3-WC-2         | 08             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 5.0               | 1.0                     | T-1      |
| Q2034-12   | L3-WC-3         | 09             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.5                     | T-1      |
| Q2034-16   | L3-WC-4         | 10             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2034-20   | L3-WC-5         | 11             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-2      |
| Q2034-24   | L3-WC-6         | 12             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.0                     | T-2      |
| Q2038-02   | 72-11991        | 13             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-2      |
| Q2048-04   | L2-WC-1         | 14             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.0                     | T-2      |
| Q2048-08   | L2-WC-2         | 15             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-2      |
| Q2048-12   | L2-WC-3         | 16             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.5                     | T-2      |
| Q2048-16   | L2-WC-4         | 17             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 4.0               | 1.0                     | T-2      |

05/15/25  
11:45



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:  
COMPANY: CDM SMITH  
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS  
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT  
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ  
PROJECT MANAGER: MARCIE ENCINAS  
e-mail: ENCINASMA@CDMSMITH.COM  
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:  
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR  
CITY EDISON STATE: NJ ZIP: 08837  
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*  
HARDCOPY (DATA PACKAGE): \_\_\_\_\_ DAYS\*  
EDD: \_\_\_\_\_ DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. 2. 3. 4. 5. 6. 7. 8. 9.  
TCL VOC  
TCL SVOC  
METALS  
PCB  
PESTICIDES  
HERBICIDES  
PAH/CRO  
FULL TCLP  
RCRA CHARAL

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES |   |   |   |   |   |   |   |   |   | Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---|---|---|---|---|---|---|---|---|--------------------------------------------------------------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                          |
| 1.                       | TP-11                            | SOIL             |                | X    | 5/13/25              | 0830 | 6            | X | X | X | X | X | X | X |   |   | E                                                                        |
| 2.                       | TP-29                            | SOIL             |                | X    | 5/13/25              | 1010 | 6            | X | X | X | X | X | X | X |   |   | E                                                                        |
| 3.                       | TP-29-99                         | SOIL             |                | X    | 5/13/25              | 1010 | 6            | X | X | X | X | X | X | X |   |   | E                                                                        |
| 4.                       | TP-24                            | SOIL             |                | X    | 5/13/25              | 1130 | 18           | X | X | X | X | X | X | X |   |   | E; MS/MSD                                                                |
| 5.                       | TP-37                            | SOIL             |                | X    | 5/13/25              | 1250 | 6            | X | X | X | X | X | X | X |   |   | E                                                                        |
| 6.                       | TP-32                            | SOIL             |                | X    | 5/13/25              | 1330 | 6            | X | X | X | X | X | X | X |   |   | E                                                                        |
| 7.                       | COMP-1                           | SOIL             | X              |      | 5/13/25              | 1405 | 4            |   |   |   |   |   |   |   | X | X | E                                                                        |
| 8.                       | FB-05132025                      | ADUERS           |                | X    | 5/13/25              | 1445 | 10           | X | X | X | X | X | X | X |   |   | E, A, B                                                                  |
| 9.                       |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |                                                                          |
| 10.                      |                                  |                  |                |      |                      |      |              |   |   |   |   |   |   |   |   |   |                                                                          |

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

|                                            |                         |                               |                                                                                                                                                                     |
|--------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. [Signature] | DATE/TIME: 5/13/25 1505 | RECEIVED BY: [Signature] 1505 | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP. 3.2 °C |
| RELINQUISHED BY SAMPLER:<br>2. [Signature] | DATE/TIME:              | RECEIVED BY:                  | Comments:                                                                                                                                                           |
| RELINQUISHED BY SAMPLER:<br>3. [Signature] | DATE/TIME: 5-13-25      | RECEIVED BY:                  |                                                                                                                                                                     |

Page \_\_\_\_ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

### Laboratory Certification

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

## LOGIN REPORT/SAMPLE TRANSFER

|                                             |        |                                                |                                   |
|---------------------------------------------|--------|------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q2032                     | CAMP02 | <b>Order Date :</b> 5/13/2025 4:01:00 PM       | <b>Project Mgr :</b>              |
| <b>Client Name :</b> CDM Smith              |        | <b>Project Name :</b> South River WM Replacem  | <b>Report Type :</b> Level 1      |
| <b>Client Contact :</b> Marcie Ann Encinas  |        | <b>Receive DateTime :</b> 5/13/2025 4:20:00 PM | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> CDM Smith             |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Marcie Ann Encinas |        |                                                | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|-------------|--------|-------------|-------------|---------------|------------|--------|--------------|-----------|
| Q2032-01 | TP-11       | Solid  | 05/13/2025  | 08:30       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-02 | TP-29       | Solid  | 05/13/2025  | 10:10       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-03 | TP-29-99    | Solid  | 05/13/2025  | 10:10       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-04 | TP-24       | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-05 | Q2032-04MS  | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-06 | Q2032-04MSD | Solid  | 05/13/2025  | 11:30       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-07 | TP-37       | Solid  | 05/13/2025  | 12:50       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q2032-08 | TP-32       | Solid  | 05/13/2025  | 13:30       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                             |        |                                                 |                                   |
|---------------------------------------------|--------|-------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q2032                     | CAMP02 | <b>Order Date :</b> 5/13/2025 4:01:00 PM        | <b>Project Mgr :</b>              |
| <b>Client Name :</b> CDM Smith              |        | <b>Project Name :</b> South River WM Replacem   | <b>Report Type :</b> Level 1      |
| <b>Client Contact :</b> Marcie Ann Encinas  |        | <b>Receive Date/Time :</b> 5/13/2025 4:20:00 PM | <b>EDD Type :</b> EXCEL NOCLEANUP |
| <b>Invoice Name :</b> CDM Smith             |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Marcie Ann Encinas |        |                                                 | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID   | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE | DUE DATES    |
|----------|-------------|--------|-------------|-------------|---------------|------------|----------|----------|--------------|
| Q2032-11 | FB-05132025 | Water  | 05/13/2025  | 14:45       | VOC-TCLVOA-10 |            | 8260D    |          | 10 Bus. Days |
| Q2032-12 | TB          | Water  | 05/13/2025  | 00:00       | VOC-TCLVOA-10 |            | 8260-Low |          | 10 Bus. Days |
|          |             |        |             |             | VOC-TCLVOA-10 |            | 8260-Low |          | 10 Bus. Days |

Relinquished By :

Date / Time : 5/14/25 0940

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

9:50 Rg # 4  
Rg # 6  
B22