

## Cover Page

**Order ID :** Q1956

**Project ID :** Bergen Point Fueling System

**Client :** CDM Smith

**Lab Sample Number**

Q1956-01  
Q1956-02  
Q1956-03  
Q1956-04  
Q1956-05  
Q1956-06  
Q1956-07  
Q1956-09

**Client Sample Number**

SB1-3-4  
SB2-4-5  
Q1956-02MS  
Q1956-02MSD  
COMP1  
SB91-3-4  
FB-05022025  
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: 5/13/2025

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 #: Q1956

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: PRATHA PARGHI

Date: 05/13/2025

## LAB CHRONICLE

|                 |                    |                   |                                        |
|-----------------|--------------------|-------------------|----------------------------------------|
| <b>OrderID:</b> | Q1956              | <b>OrderDate:</b> | 5/2/2025 3:14:35 PM                    |
| <b>Client:</b>  | CDM Smith          | <b>Project:</b>   | Bergen Point Fueling System            |
| <b>Contact:</b> | Marcie Ann Encinas | <b>Location:</b>  | L31,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID           | ClientID           | Matrix       | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|--------------------|--------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1956-01</b> | <b>SB1-3-4</b>     | <b>SOIL</b>  |                         |        | <b>05/01/25</b> |           |           | <b>05/02/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/06/25  |                 |
|                 |                    |              | Herbicide               | 8151A  |                 | 05/07/25  | 05/08/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/06/25  | 05/06/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/06/25  | 05/06/25  |                 |
| <b>Q1956-02</b> | <b>SB2-4-5</b>     | <b>SOIL</b>  |                         |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/06/25  |                 |
|                 |                    |              | Herbicide               | 8151A  |                 | 05/07/25  | 05/08/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/06/25  | 05/06/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/06/25  | 05/06/25  |                 |
| <b>Q1956-05</b> | <b>COMP1</b>       | <b>TCLP</b>  |                         |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                 |                    |              | TCLP Herbicide          | 8151A  |                 | 05/12/25  | 05/12/25  |                 |
| <b>Q1956-06</b> | <b>SB91-3-4</b>    | <b>SOIL</b>  |                         |        | <b>05/01/25</b> |           |           | <b>05/02/25</b> |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/06/25  |                 |
|                 |                    |              | Herbicide               | 8151A  |                 | 05/07/25  | 05/08/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/06/25  | 05/06/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/06/25  | 05/06/25  |                 |
| <b>Q1956-07</b> | <b>FB-05022025</b> | <b>Water</b> |                         |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                 |                    |              | Diesel Range Organics   | 8015D  |                 | 05/08/25  | 05/08/25  |                 |
|                 |                    |              | Gasoline Range Organics | 8015D  |                 |           | 05/06/25  |                 |
|                 |                    |              | Herbicide               | 8151A  |                 | 05/08/25  | 05/08/25  |                 |
|                 |                    |              | PCB                     | 8082A  |                 | 05/07/25  | 05/07/25  |                 |
|                 |                    |              | Pesticide-TCL           | 8081B  |                 | 05/08/25  | 05/08/25  |                 |



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Fax : 908 789 8922

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

**SDG No.:** Q1956

**Order ID:** Q1956

**Client:** CDM Smith

**Project ID:** Bergen Point Fueling System

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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.: Q1956

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-PS030137.D | PIBLK-PS030137.D | 2,4-DCAA  | 1      | 500   | 422    | 84  |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 432    | 86  |      | 39     | 175  |
| PB167968BL       | PB167968BL       | 2,4-DCAA  | 1      | 500   | 540    | 108 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 511    | 102 |      | 39     | 175  |
| PB167968BS       | PB167968BS       | 2,4-DCAA  | 1      | 500   | 517    | 103 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 523    | 105 |      | 39     | 175  |
| PB167851TB       | PB167851TB       | 2,4-DCAA  | 1      | 500   | 825    | 165 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 462    | 92  |      | 39     | 175  |
| Q1956-05         | COMP1            | 2,4-DCAA  | 1      | 500   | 805    | 161 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 432    | 86  |      | 39     | 175  |
| Q1956-05MS       | COMP1MS          | 2,4-DCAA  | 1      | 500   | 779    | 156 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 439    | 88  |      | 39     | 175  |
| Q1956-05MSD      | COMP1MSD         | 2,4-DCAA  | 1      | 500   | 759    | 152 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 434    | 87  |      | 39     | 175  |
| I.BLK-PS030145.D | PIBLK-PS030145.D | 2,4-DCAA  | 1      | 500   | 432    | 86  |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 440    | 88  |      | 39     | 175  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A

DataFile : PS030143.D

| Lab Sample ID:                  | Parameter        | Spike | Sample |        | Units | Rec | Rec  |     | RPD  |     | Limits | RPD |
|---------------------------------|------------------|-------|--------|--------|-------|-----|------|-----|------|-----|--------|-----|
|                                 |                  |       | Result | Result |       |     | Qual | RPD | Qual | Low | High   |     |
| Client Sample ID:<br>Q1956-05MS | COMP1MS          |       |        |        |       |     |      |     |      |     |        |     |
|                                 | 2,4-D            | 50    | 0      | 53.8   | ug/L  | 108 |      |     |      | 65  | 135    |     |
|                                 | 2,4,5-TP(Silvex) | 50    | 0      | 50.5   | ug/L  | 101 |      |     |      | 62  | 139    |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A

DataFile : PS030144.D

| Lab Sample ID:    | Parameter        | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|-------------------|------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| Client Sample ID: | COMP1MSD         |       |                  |        |       |     |             |     |             |     |                |     |
| Q1956-05MSD       | 2,4-D            | 50    | 0                | 52.9   | ug/L  | 106 |             | 2   |             | 65  | 135            | 20  |
|                   | 2,4,5-TP(Silvex) | 50    | 0                | 49.6   | ug/L  | 99  |             | 2   |             | 62  | 139            | 20  |



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

**SW-846**

**SDG No.:** Q1956

**Client:** CDM Smith

**Analytical Method:** **8151A** **Datafile :** PS030140.D

| Lab Sample ID | Parameter        | Spike | Result | Units | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                  |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB167968BS    | 2,4-D            | 5     | 4.90   | ug/L  | 98  |     |      |      | 83  | 130    |     |
|               | 2,4,5-TP(Silvex) | 5     | 5.00   | ug/L  | 100 |     |      |      | 78  | 127    |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167968BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1956

SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167968BL

Lab File ID: PS030139.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/12/2025

Date Analyzed (1): 05/12/2025

Date Analyzed (2): 05/12/2025

Time Analyzed (1): 19:46

Time Analyzed (2): 19:46

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 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB167968BS        | PB167968BS       | PS030140.D     | 05/12/2025         | 05/12/2025         |
| PB167851TB        | PB167851TB       | PS030141.D     | 05/12/2025         | 05/12/2025         |
| COMP1             | Q1956-05         | PS030142.D     | 05/12/2025         | 05/12/2025         |
| COMP1MS           | Q1956-05MS       | PS030143.D     | 05/12/2025         | 05/12/2025         |
| COMP1MSD          | Q1956-05MSD      | PS030144.D     | 05/12/2025         | 05/12/2025         |

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



# SAMPLE DATA

## Report of Analysis

|                    |                             |                    |                  |
|--------------------|-----------------------------|--------------------|------------------|
| Client:            | CDM Smith                   | Date Collected:    |                  |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/12/25         |
| Client Sample ID:  | PB167851TB                  | SDG No.:           | Q1956            |
| Lab Sample ID:     | PB167851TB                  | 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 |
| PS030141.D        | 1         | 05/12/25 12:00 | 05/12/25 20:34 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 20.0  | U         | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 20.0  | U         | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 825   |           | 39 - 175 | 165%       | 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\PS051225\  
Data File : PS030141.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 20:34  
Operator : AR\AJ  
Sample : PB167851TB  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB167851TB

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 03:38:32 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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml   | ng/ml     |
|-----------------------------|-------|-------|----------|---------|---------|-----------|
| -----                       |       |       |          |         |         |           |
| System Monitoring Compounds |       |       |          |         |         |           |
| 4) S 2,4-DCAA               | 6.937 | 7.454 | 2348.1E6 | 369.7E6 | 824.532 | 462.053 # |

Target Compounds

-----

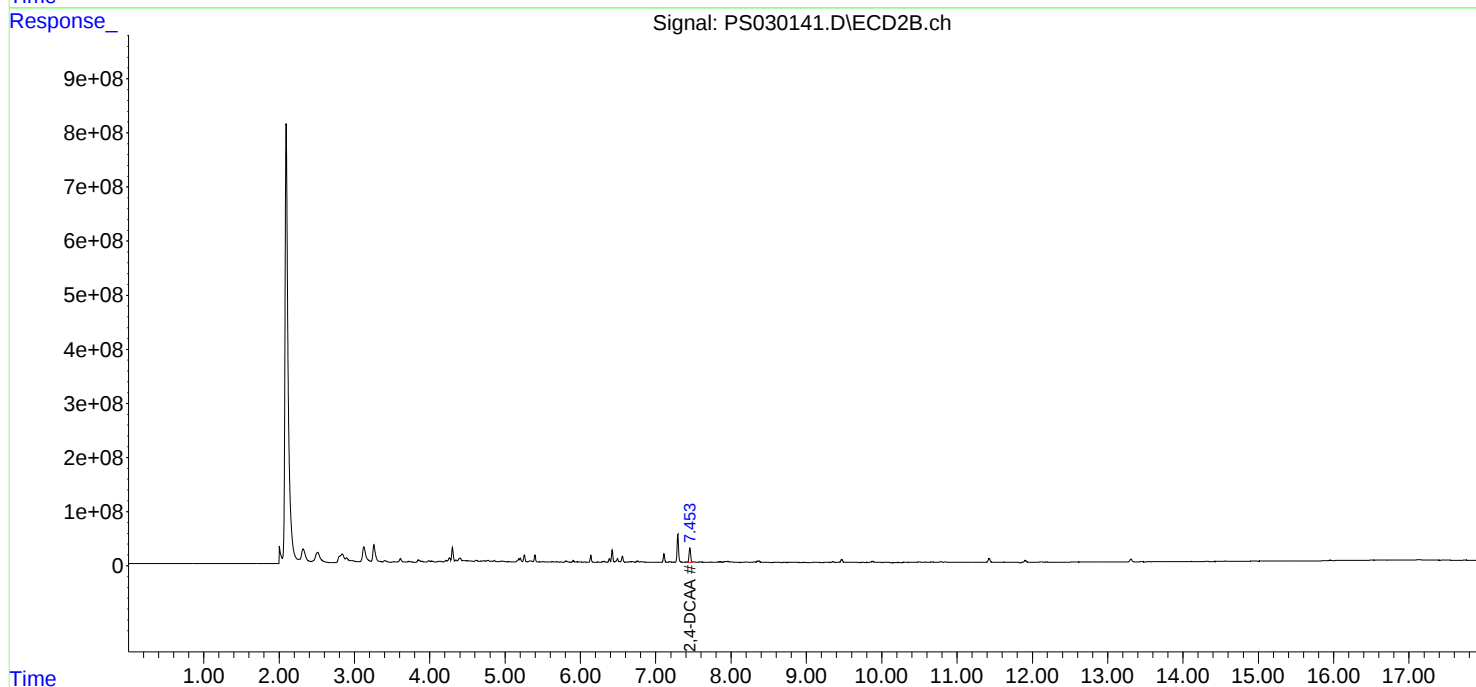
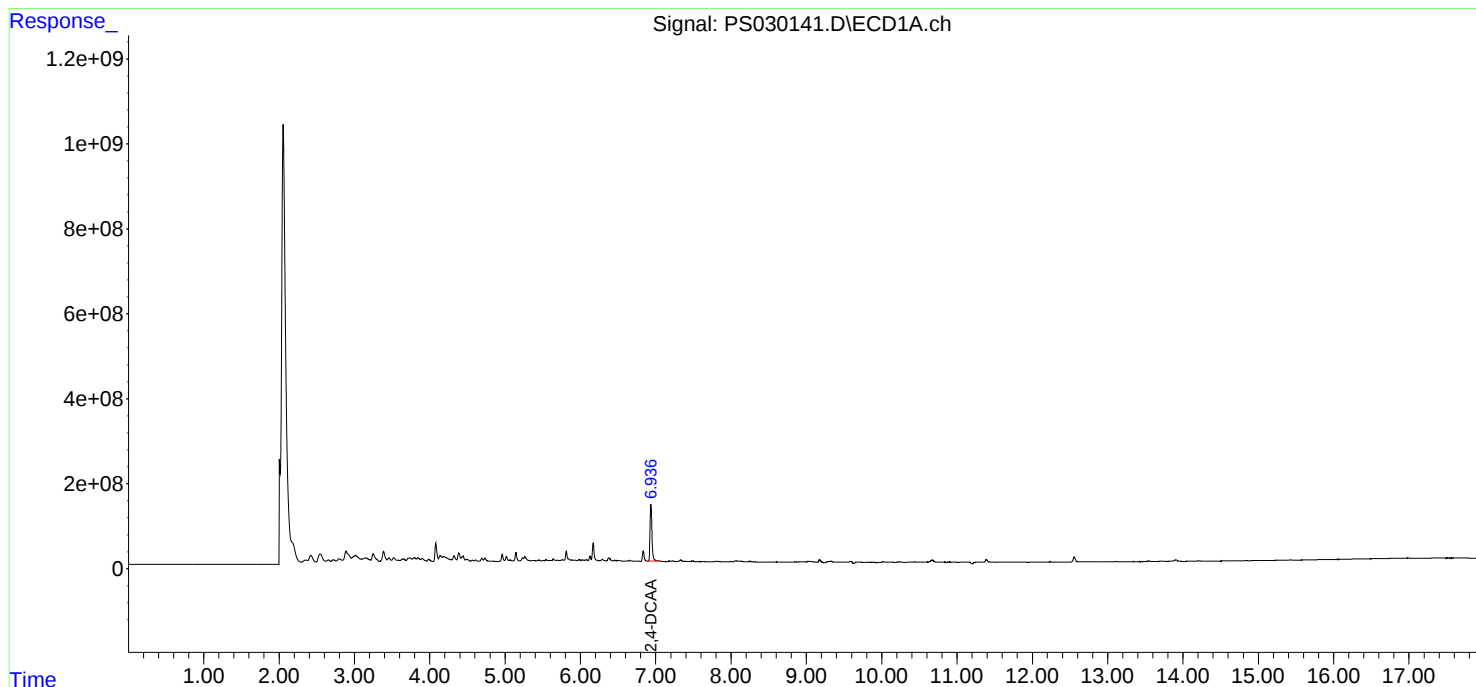
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

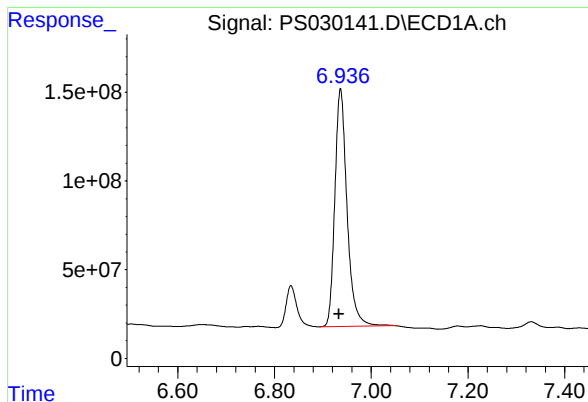
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030141.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 20:34  
Operator : AR\AJ  
Sample : PB167851TB  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB167851TB

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 03:38:32 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.: 6.937 min

Delta R.T.: 0.003 min

Response: 2348109434

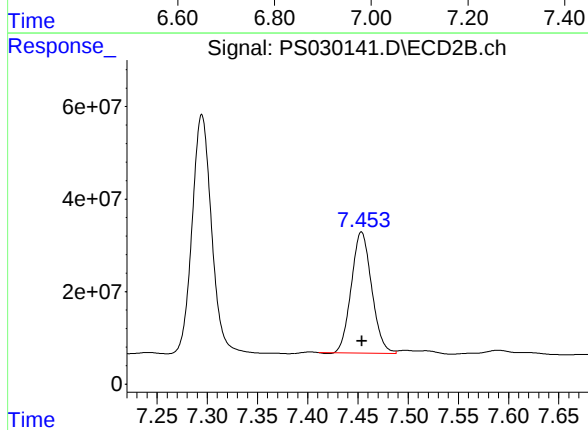
Conc: 824.53 ng/ml

Instrument :

ECD\_S

ClientSampleId :

PB167851TB



#4 2,4-DCAA

R.T.: 7.454 min

Delta R.T.: 0.000 min

Response: 369736686

Conc: 462.05 ng/ml

## Report of Analysis

|                    |                             |                    |                |
|--------------------|-----------------------------|--------------------|----------------|
| Client:            | CDM Smith                   | Date Collected:    | 05/02/25       |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/02/25       |
| Client Sample ID:  | COMP1                       | SDG No.:           | Q1956          |
| Lab Sample ID:     | Q1956-05                    | 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 |
| PS030142.D        | 1         | 05/12/25 12:00 | 05/12/25 20:59 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 20.0  | U         | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 20.0  | U         | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 805   |           | 39 - 175 | 161%       | SPK: 500 |

### Comments:

U = Not Detected

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E = Value Exceeds Calibration Range

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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 : PS030142.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 20:59  
 Operator : AR\AJ  
 Sample : Q1956-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 COMP1

**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 13 03:38:42 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 | 6.937 | 7.454 | 2292.8E6 | 346.0E6 | 805.109 | 432.353m# |
|------|----------|-------|-------|----------|---------|---------|-----------|

Target Compounds  
 -----

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030142.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 20:59  
Operator : AR\AJ  
Sample : Q1956-05  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

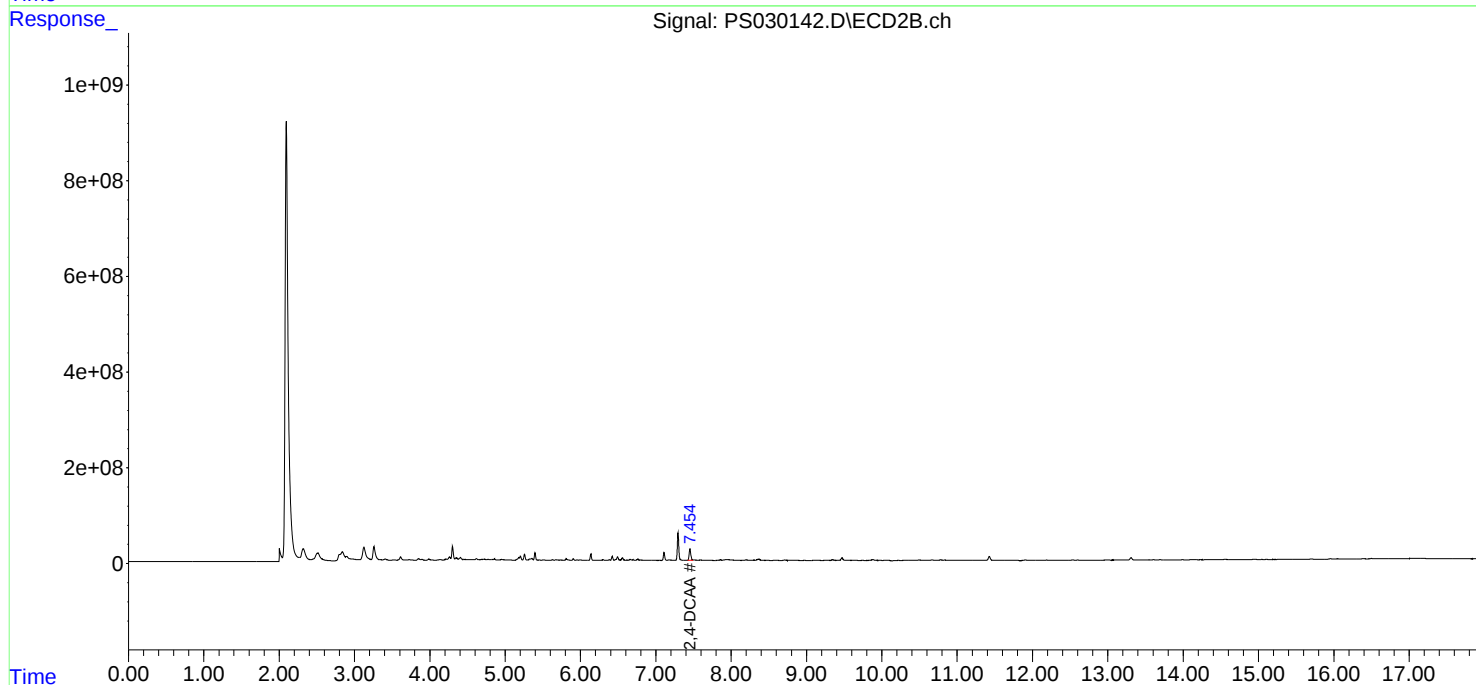
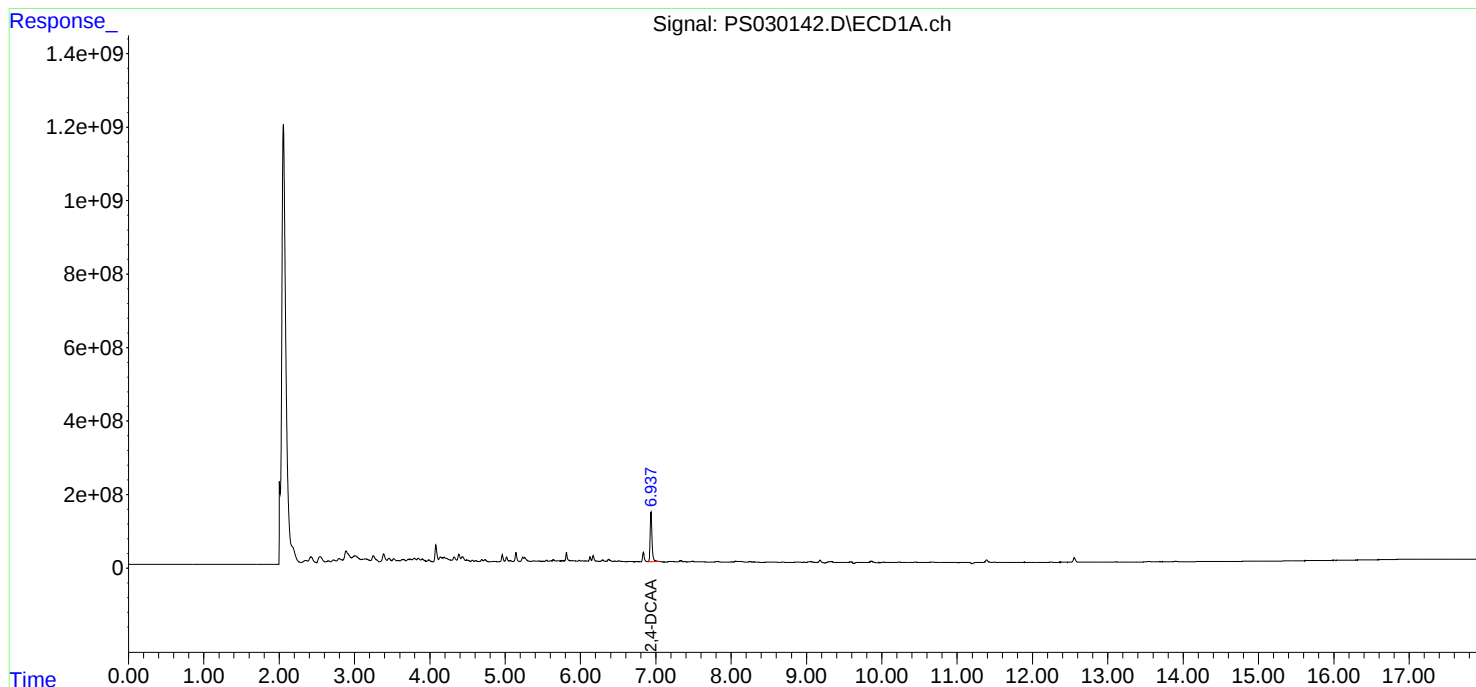
Instrument :  
ECD\_S  
ClientSampleId :  
COMP1

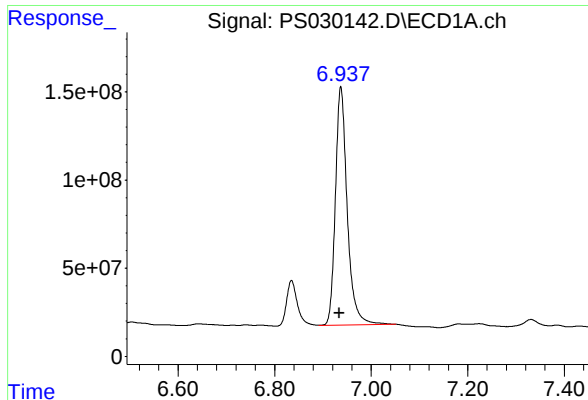
Manual Integrations  
**APPROVED**

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 13 03:38:42 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





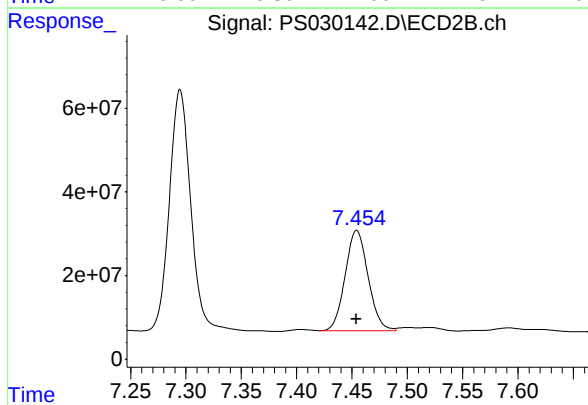
#4 2,4-DCAA

R.T.: 6.937 min  
Delta R.T.: 0.004 min  
Response: 2292797339  
Conc: 805.11 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
COMP1

Manual Integrations  
APPROVED

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



#4 2,4-DCAA

R.T.: 7.454 min  
Delta R.T.: 0.000 min  
Response: 345970805  
Conc: 432.35 ng/ml m



# 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)

[illegible]



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.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956  
**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.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956  
**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        |



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

### INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Instrument ID: \_\_\_\_\_ Date(s) Analyzed: \_\_\_\_\_

GC Column: \_\_\_\_\_ ID: \_\_\_\_\_ (mm)

| COMPOUND | AMOUNT<br>(ng) | PEAK | RT | RT WINDOW |    | CALIBRATION<br>FACTOR |
|----------|----------------|------|----|-----------|----|-----------------------|
|          |                |      |    | FROM      | TO |                       |
|          |                | 1    |    |           |    |                       |
|          |                | 2    |    |           |    |                       |
|          |                | 3    |    |           |    |                       |
|          |                | 4    |    |           |    |                       |
|          |                | 5    |    |           |    |                       |

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                        | MCP          | 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

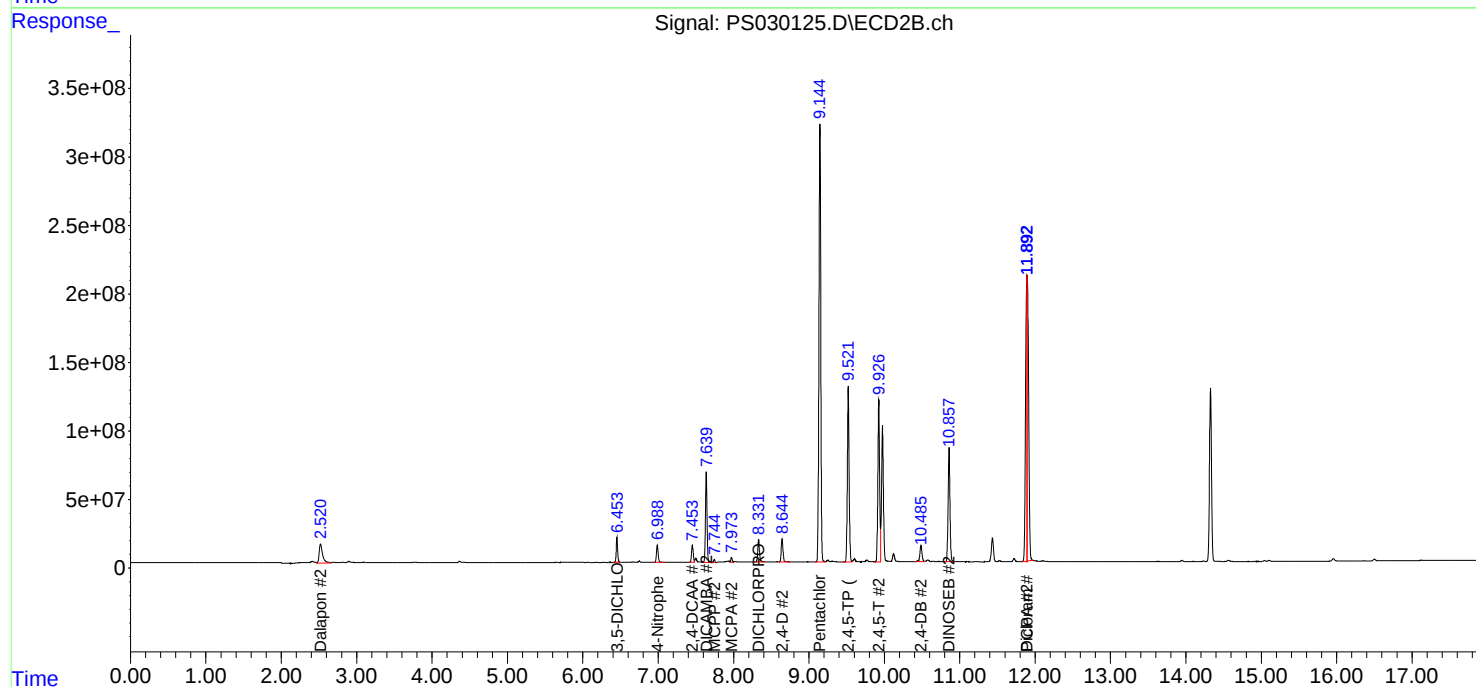
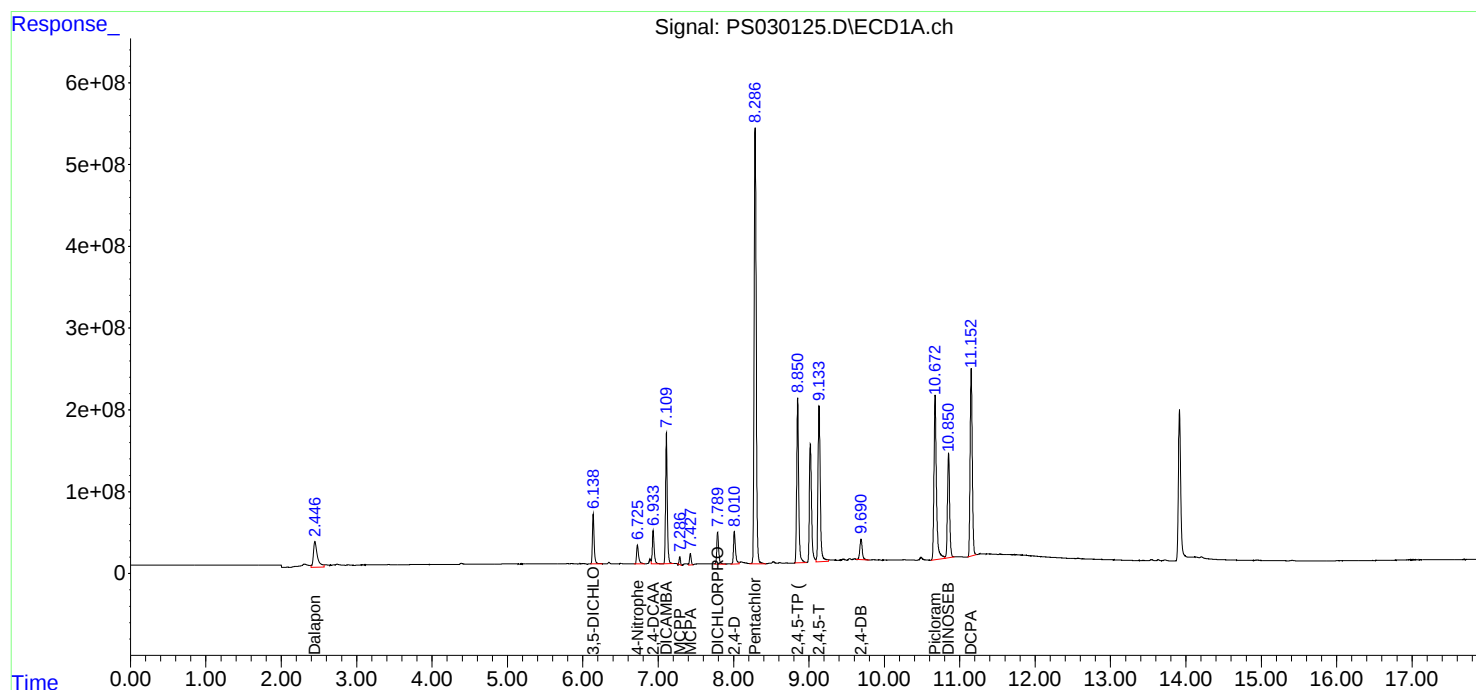
## APPROVED

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

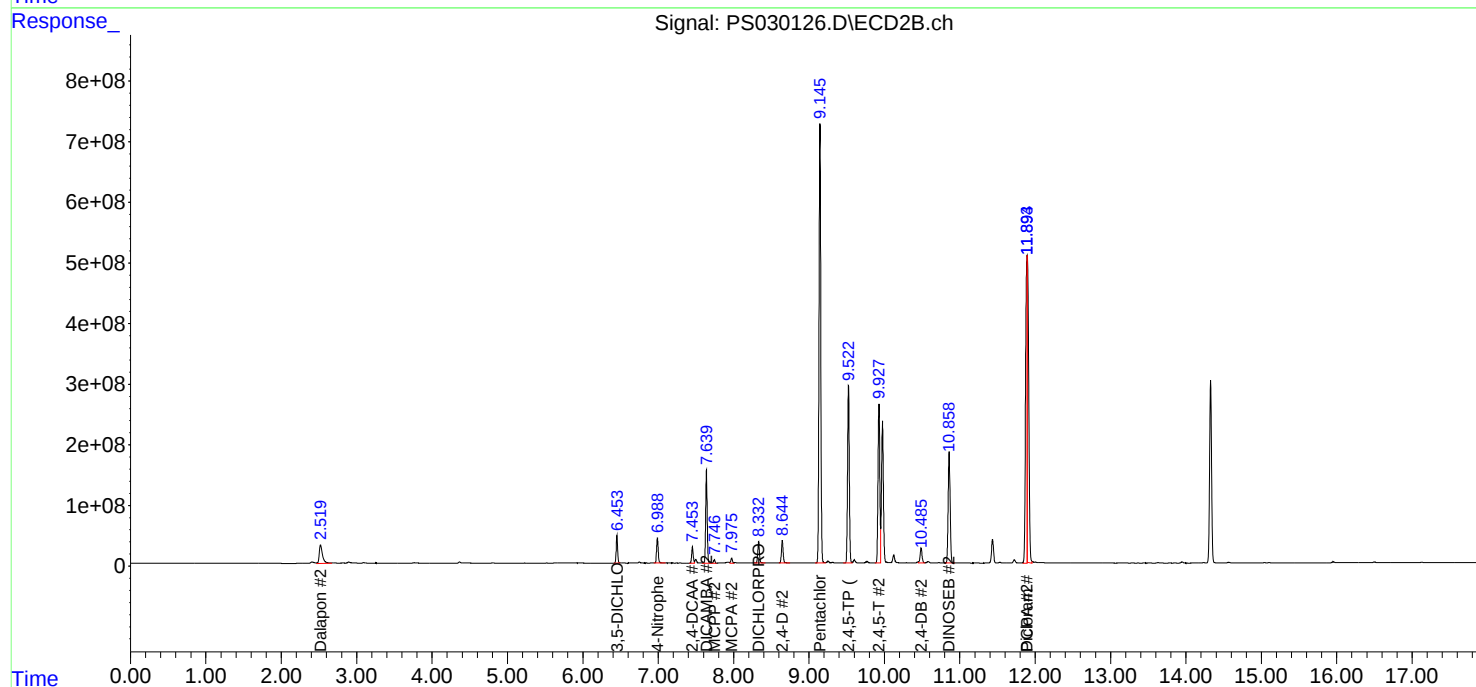
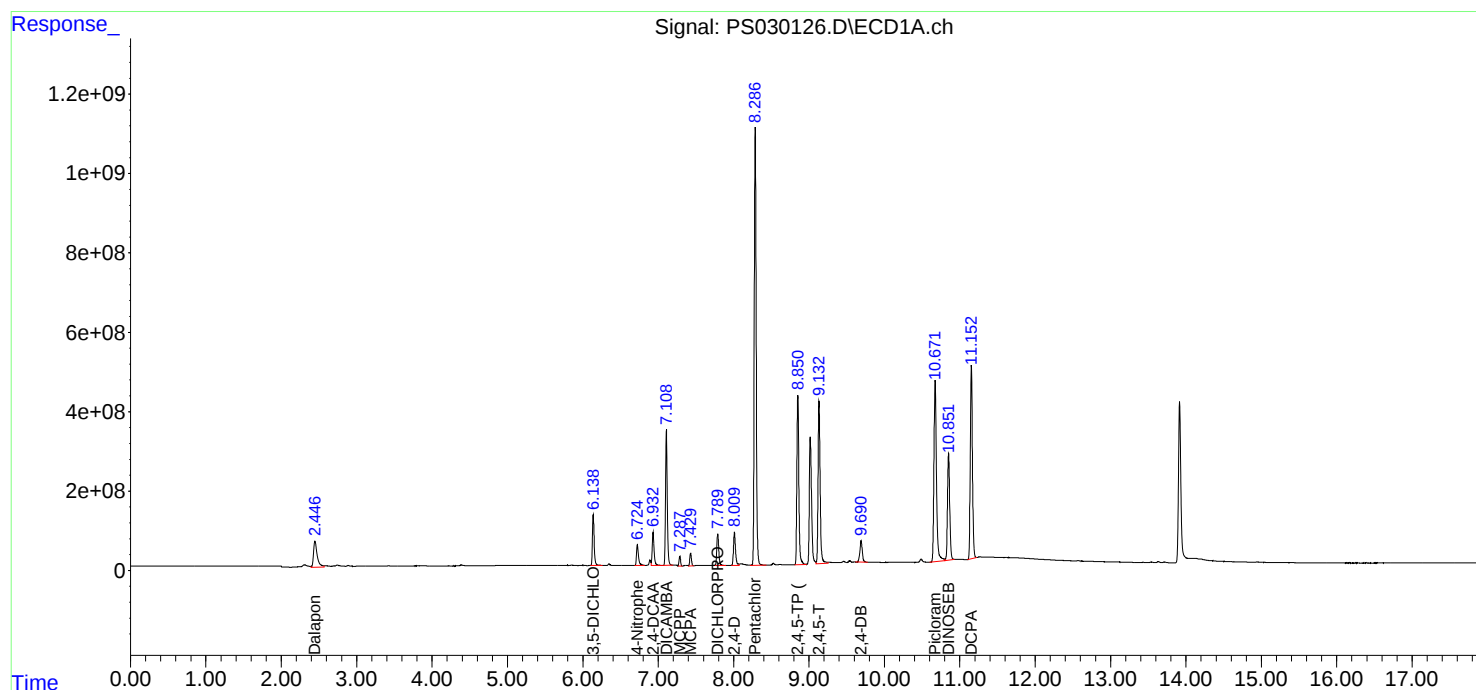
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC500

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 x 0.5 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

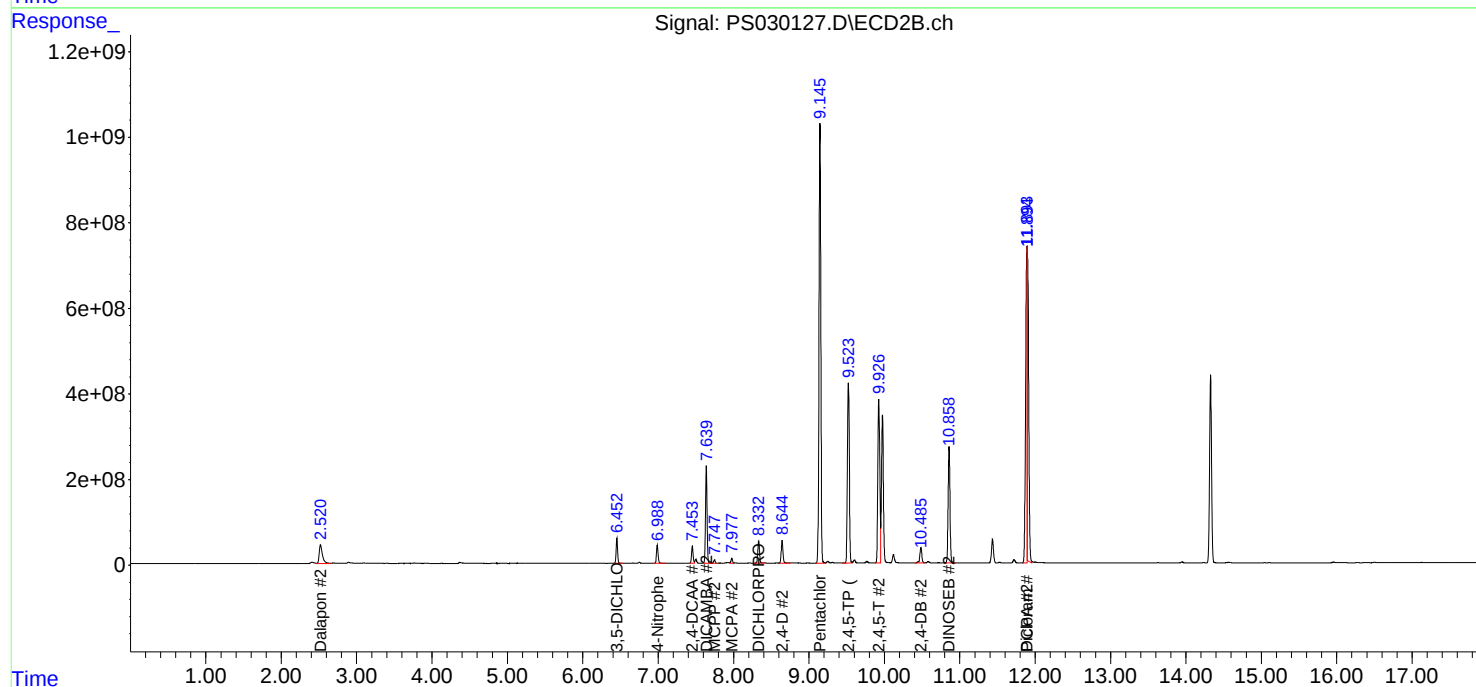
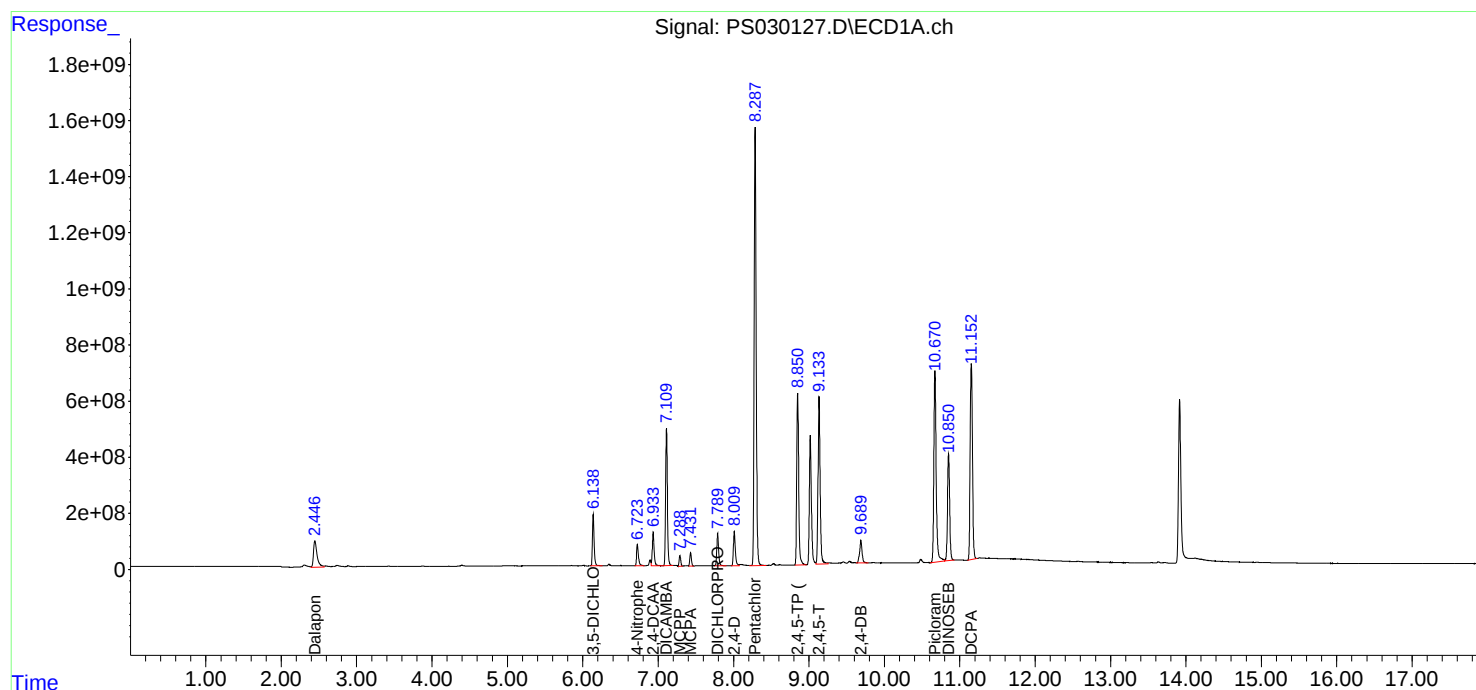
## APPROVED

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

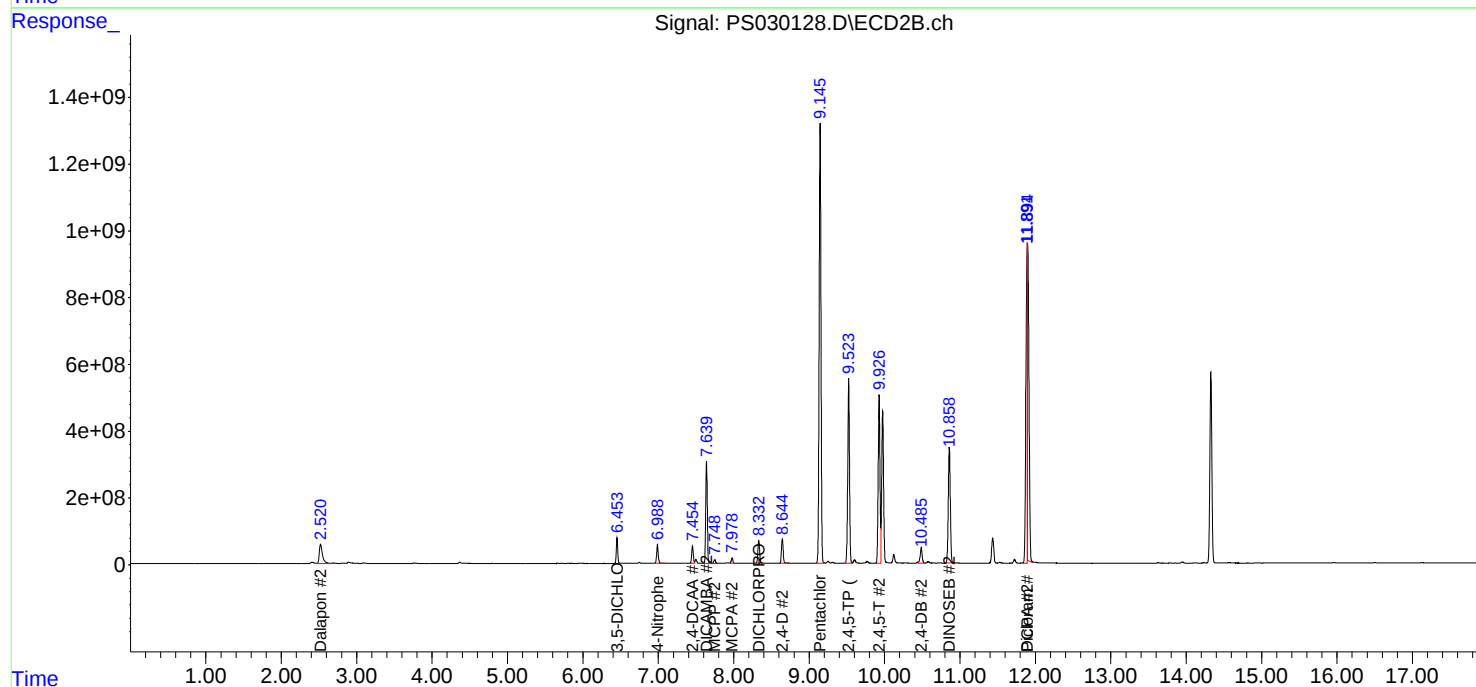
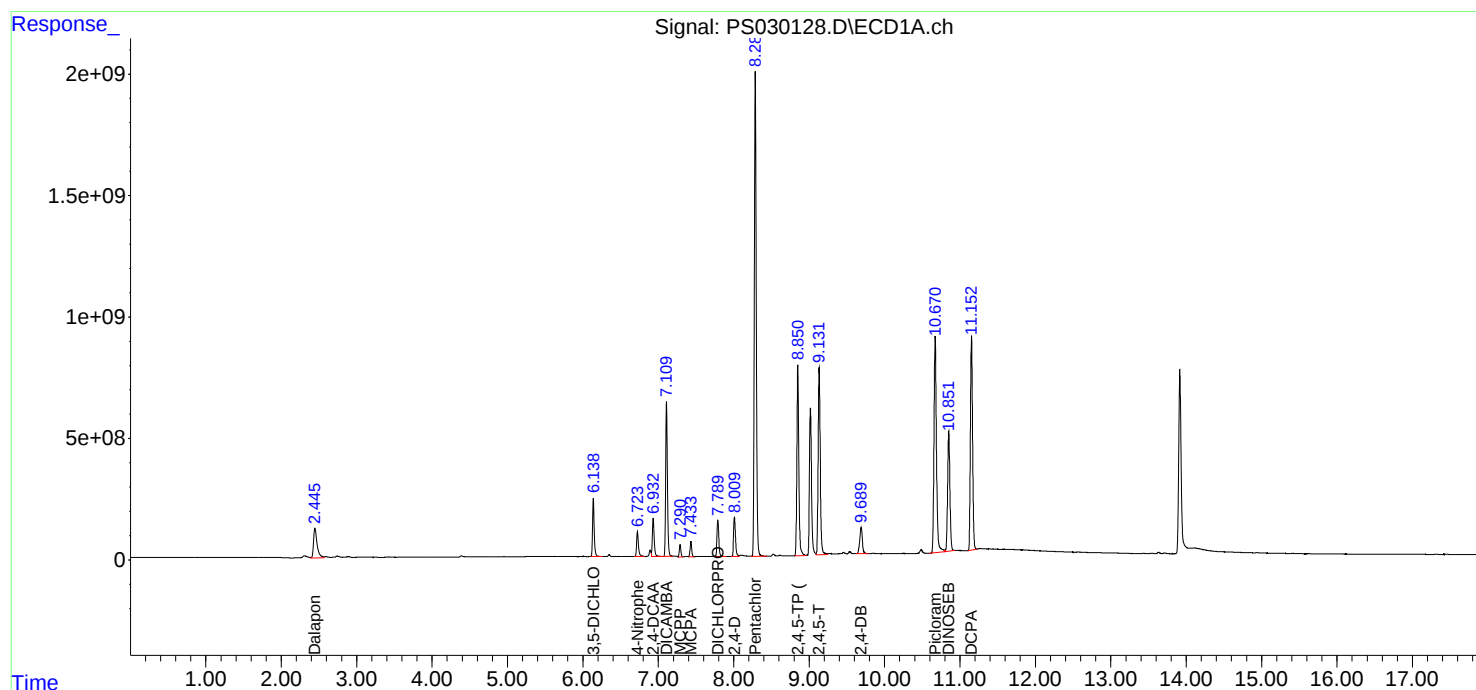
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDICC1000

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                        | MCPD         | 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

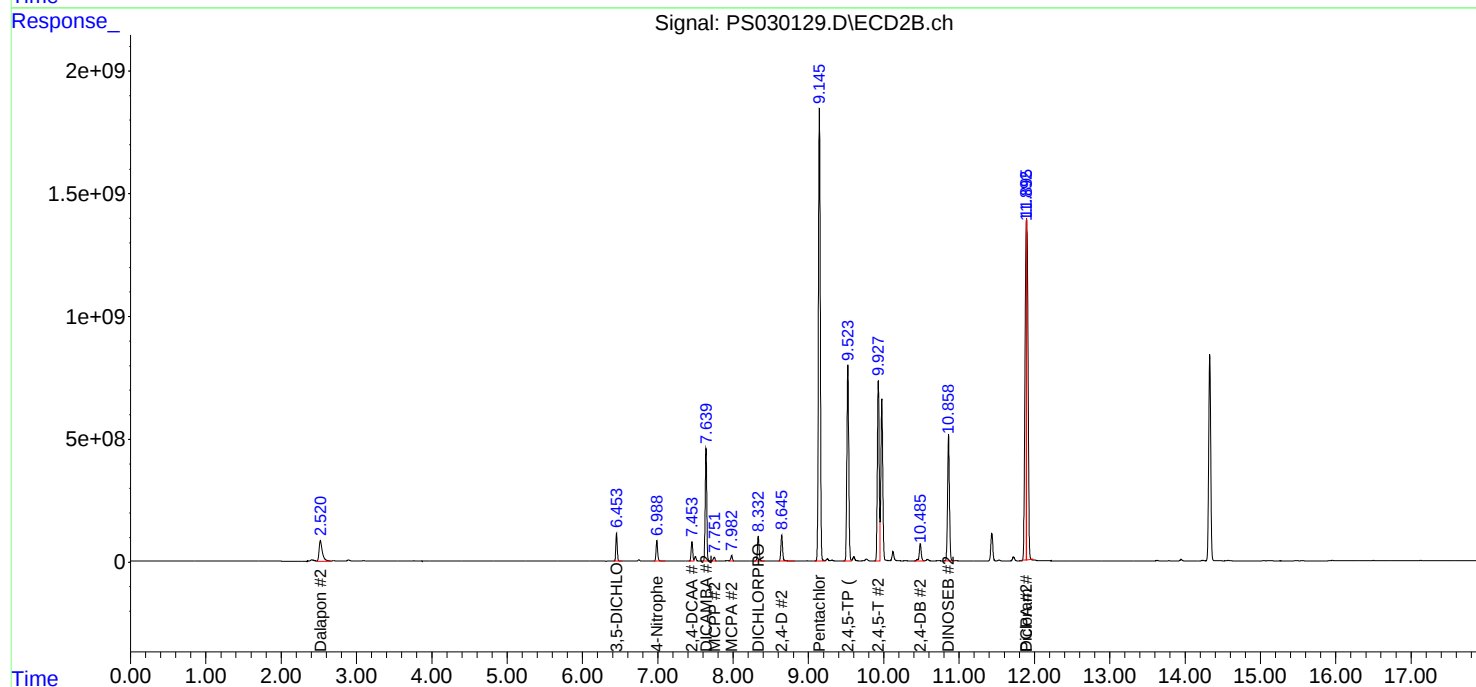
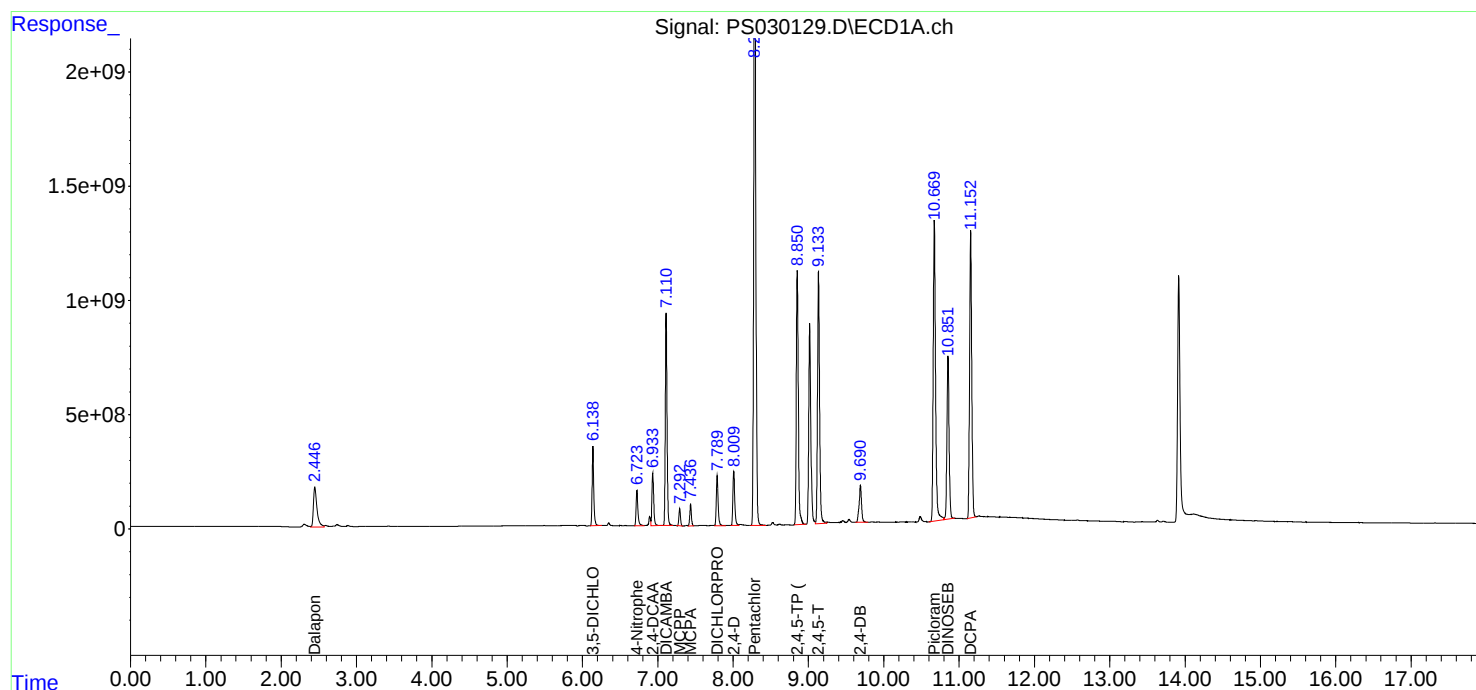
## APPROVED

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

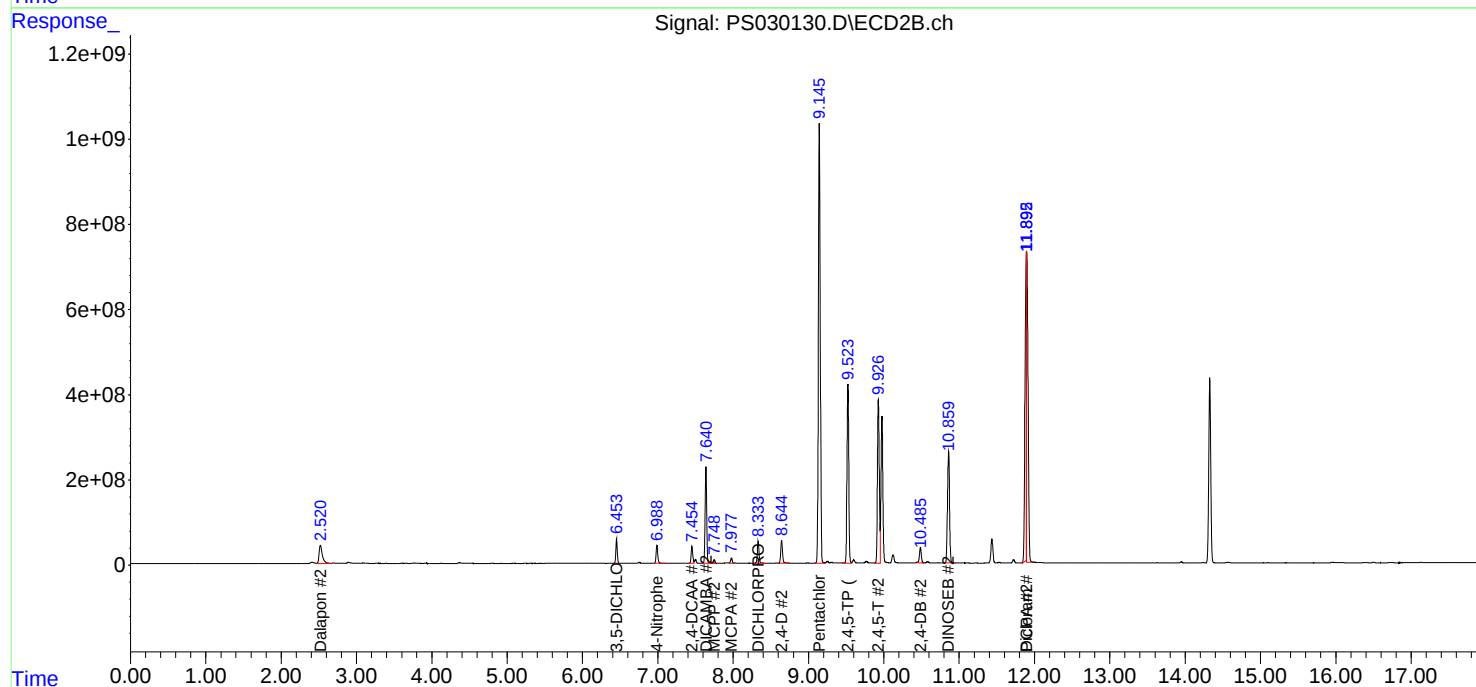
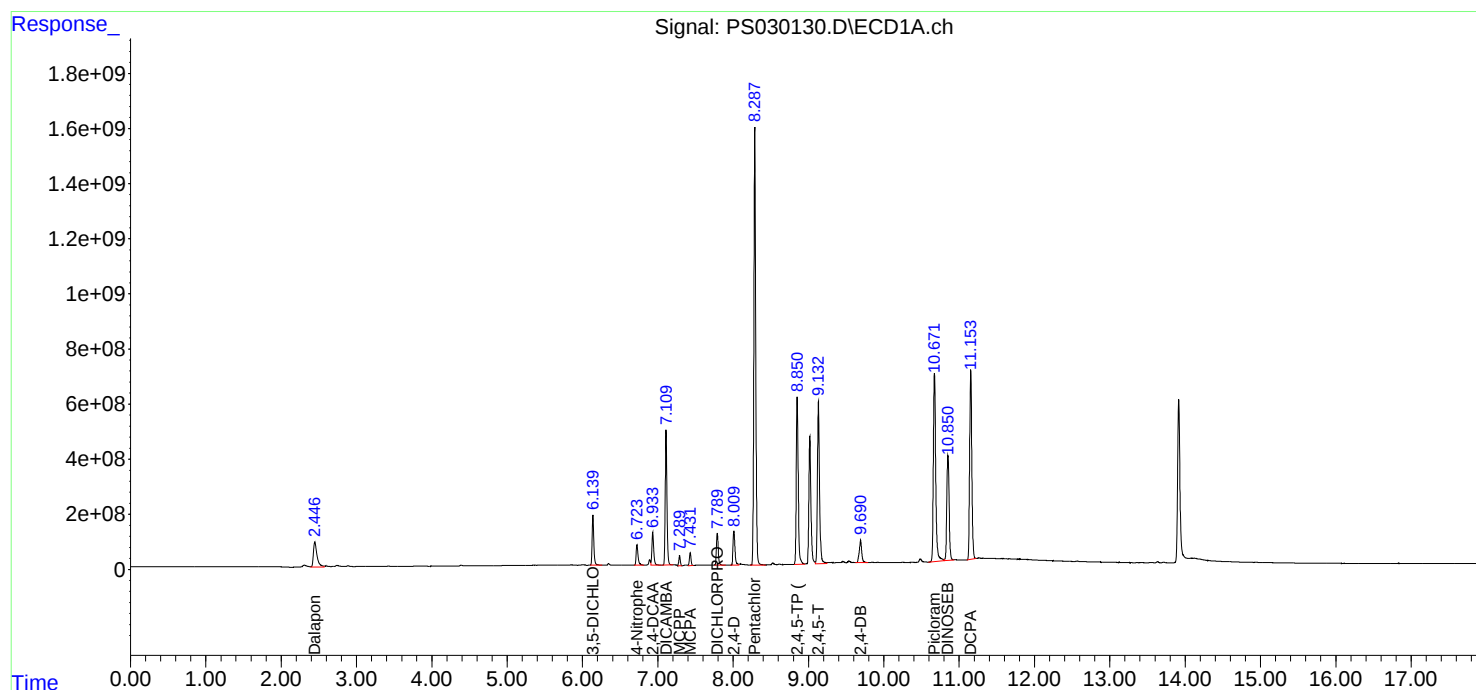
APPROVED

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 x0.5 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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Continuing Calib Time: 18:58 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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Continuing Calib Time: 18:58 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            | 8.65       | 8.64      | 8.54      | 8.74 | -0.01      |
| 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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Client Sample No.: CCAL01 Date Analyzed: 05/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS030138.D Time Analyzed: 18:58

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|-------|-----------|-------|--------------------|-------------------|------|
|                  |       | FROM      | TO    |                    |                   |      |
| 2,4,5-TP(Silvex) | 8.851 | 8.750     | 8.950 | 717.430            | 712.500           | 0.7  |
| 2,4-D            | 8.009 | 7.910     | 8.110 | 700.620            | 705.000           | -0.6 |
| 2,4-DCAA         | 6.934 | 6.834     | 7.034 | 744.030            | 750.000           | -0.8 |



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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Client Sample No.: CCAL01 Date Analyzed: 05/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS030138.D Time Analyzed: 18:58

| COMPOUND         | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|-------|----------------------|-------|--------------------|-------------------|-----|
| 2,4,5-TP(Silvex) | 9.523 | 9.423                | 9.623 | 737.880            | 712.500           | 3.6 |
| 2,4-D            | 8.645 | 8.544                | 8.744 | 715.360            | 705.000           | 1.5 |
| 2,4-DCAA         | 7.454 | 7.354                | 7.554 | 767.100            | 750.000           | 2.3 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030138.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 18:58  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

**Instrument :**

ECD\_S

**ClientSampleId :**

HSTDCCC750

**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 13 03:37:59 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  | 2118.9E6  | 613.8E6   | 744.032 | 767.103  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.447  | 2.520  | 3298.9E6  | 1392.7E6  | 671.151 | 685.699  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 2883.7E6  | 805.1E6   | 691.450 | 690.575  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 1416.6E6  | 657.1E6   | 685.786 | 629.383  |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 8211.0E6  | 3492.9E6  | 710.458 | 738.773  |
| 6) T                        | MCPD         | 7.290  | 7.748  | 563.4E6   | 133.0E6   | 77.355  | 72.295   |
| 7) T                        | MCPA         | 7.432  | 7.978  | 742.3E6   | 189.5E6   | 71.505  | 71.836   |
| 8) T                        | DICHLORPROP  | 7.790  | 8.332  | 2033.1E6  | 835.2E6   | 695.961 | 706.964  |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 2297.3E6  | 923.2E6   | 700.625 | 715.361  |
| 10) T                       | Pentachlo... | 8.287  | 9.144  | 29368.3E6 | 18330.6E6 | 725.129 | 742.580  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 11619.6E6 | 7268.4E6  | 717.434 | 737.878  |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 11838.3E6 | 6770.2E6  | 716.811 | 735.606  |
| 13) T                       | 2,4-DB       | 9.690  | 10.485 | 1967.1E6  | 684.6E6   | 753.761 | 689.813  |
| 14) T                       | DINOSEB      | 10.852 | 10.859 | 8007.1E6  | 4935.8E6  | 700.142 | 722.454  |
| 15) T                       | Picloram     | 10.671 | 11.895 | 15500.0E6 | 9653.0E6  | 724.740 | 685.919m |
| 16) T                       | DCPA         | 11.152 | 11.892 | 14203.4E6 | 10849.2E6 | 713.328 | 803.017m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030138.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 18:58  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

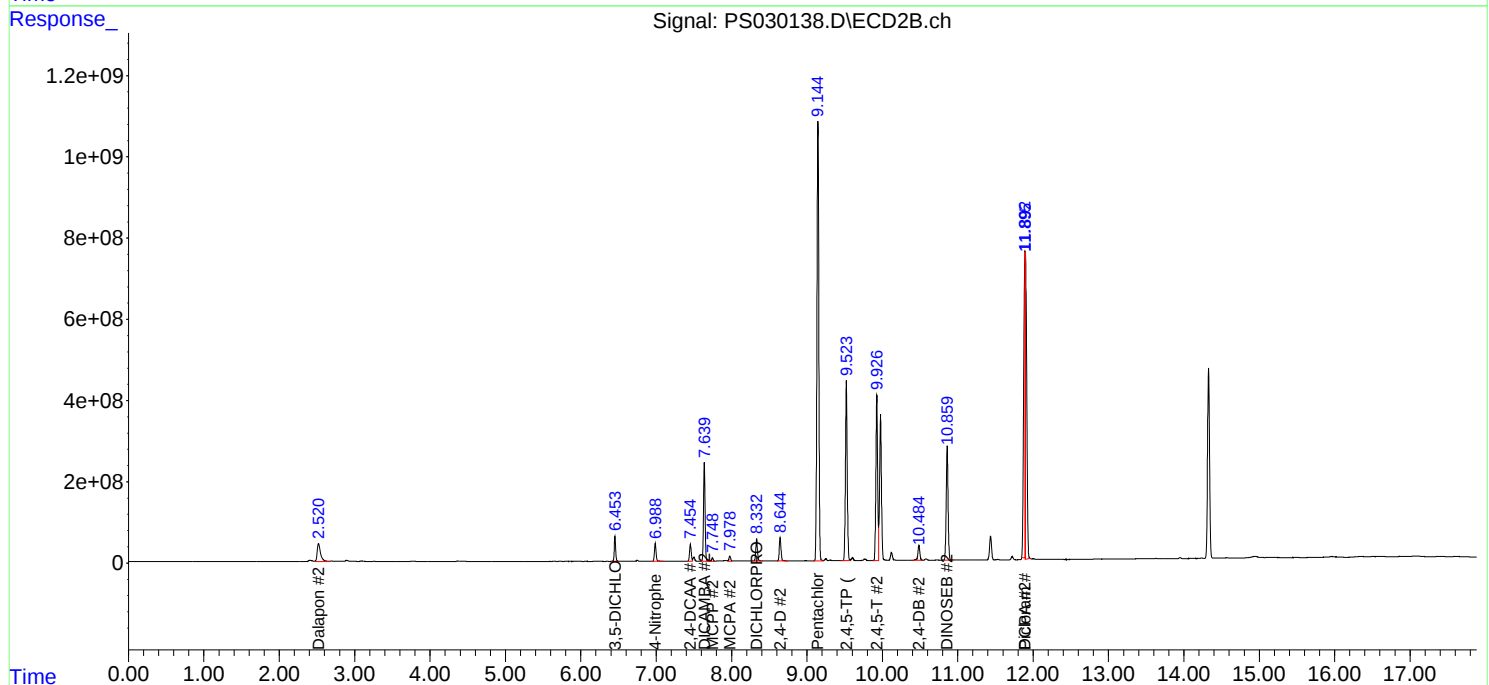
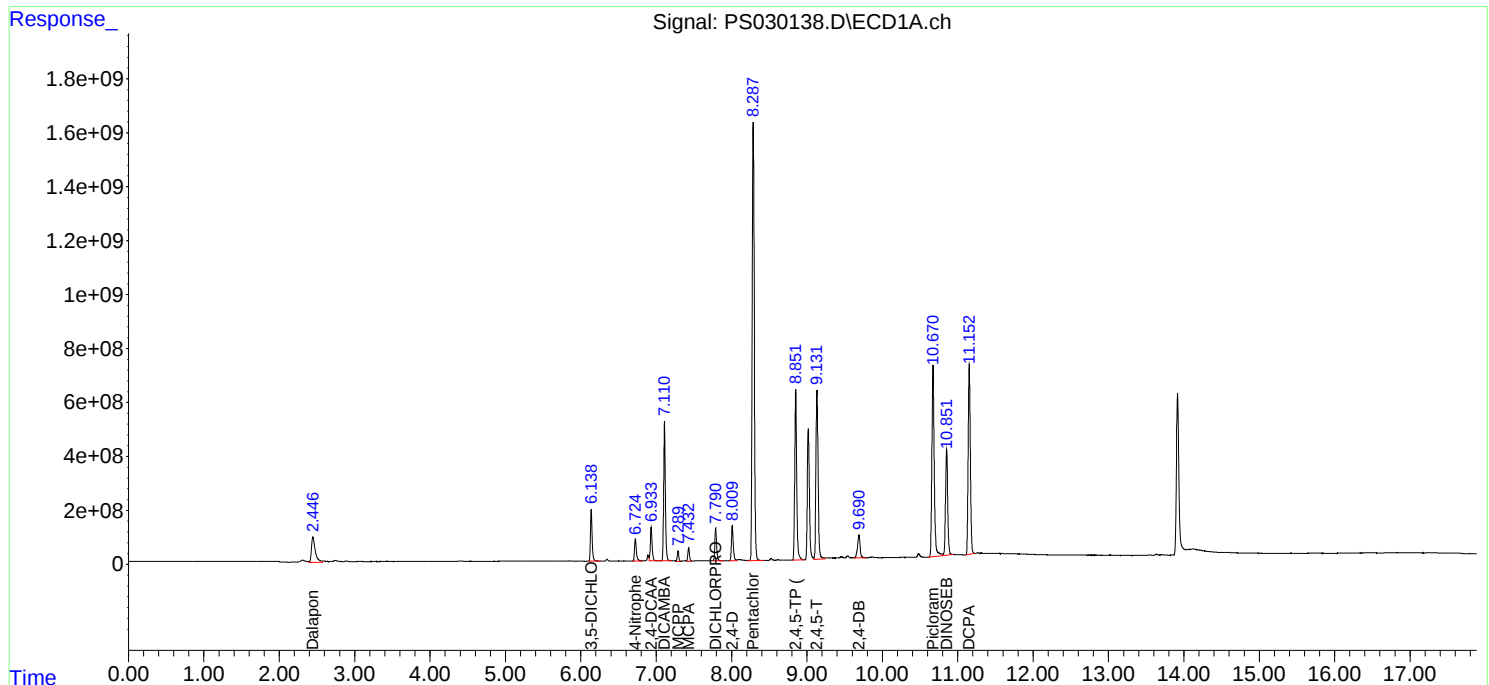
Instrument :  
ECD\_S  
ClientSampleId :  
HSTDCCC750

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 13 03:37:59 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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Continuing Calib Time: 22:35 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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Continuing Calib Time: 22:35 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            | 8.65       | 8.64      | 8.54      | 8.74 | -0.01      |
| 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.:** Q1956      **SAS No.:** Q1956      **SDG NO.:** Q1956
**GC Column:** RTX-CLP      **ID:** 0.32 (mm)      **Initi. Calib. Date(s):** 05/12/2025      05/12/2025
**Client Sample No.:** CCAL02      **Date Analyzed:** 05/12/2025
**Lab Sample No.:** HSTDCCC750      **Data File :** PS030146.D      **Time Analyzed:** 22:35

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|-------|-----------|-------|--------------------|-------------------|------|
|                  |       | FROM      | TO    |                    |                   |      |
| 2,4,5-TP(Silvex) | 8.851 | 8.750     | 8.950 | 714.210            | 712.500           | 0.2  |
| 2,4-D            | 8.009 | 7.910     | 8.110 | 694.380            | 705.000           | -1.5 |
| 2,4-DCAA         | 6.933 | 6.834     | 7.034 | 738.380            | 750.000           | -1.5 |



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.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

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

Client Sample No.: CCAL02 Date Analyzed: 05/12/2025

Lab Sample No.: HSTDCCC750 Data File : PS030146.D Time Analyzed: 22:35

| COMPOUND         | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D  |
|------------------|-------|-----------|-------|--------------------|-------------------|-----|
|                  |       | FROM      | TO    |                    |                   |     |
| 2,4,5-TP(Silvex) | 9.523 | 9.423     | 9.623 | 726.310            | 712.500           | 1.9 |
| 2,4-D            | 8.645 | 8.544     | 8.744 | 712.660            | 705.000           | 1.1 |
| 2,4-DCAA         | 7.454 | 7.354     | 7.554 | 755.150            | 750.000           | 0.7 |

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030146.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 22:35  
 Operator : AR\AJ  
 Sample : HSTDCCC750  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

**Instrument :**

ECD\_S

**ClientSampleId :**

HSTDCCC750

**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 13 03:39:24 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  | 7.454  | 2102.8E6  | 604.3E6   | 738.382 | 755.148  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.447  | 2.521  | 3175.8E6  | 1355.5E6  | 646.095 | 667.377  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 2863.5E6  | 793.3E6   | 686.599 | 680.454  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 1406.8E6  | 647.4E6   | 681.042 | 620.099  |
| 5) T                        | DICAMBA      | 7.110  | 7.639  | 8133.8E6  | 3421.1E6  | 703.775 | 723.576  |
| 6) T                        | MCPD         | 7.289  | 7.747  | 558.2E6   | 134.0E6   | 76.642  | 72.832   |
| 7) T                        | MCPA         | 7.432  | 7.978  | 737.1E6   | 189.4E6   | 71.005  | 71.800   |
| 8) T                        | DICHLORPROP  | 7.789  | 8.332  | 2020.9E6  | 829.7E6   | 691.763 | 702.268  |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 2276.8E6  | 919.7E6   | 694.384 | 712.664  |
| 10) T                       | Pentachlo... | 8.287  | 9.144  | 29335.9E6 | 18055.0E6 | 724.329 | 731.416  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 11567.3E6 | 7154.4E6  | 714.210 | 726.306  |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 11791.4E6 | 6657.1E6  | 713.970 | 723.309  |
| 13) T                       | 2,4-DB       | 9.690  | 10.485 | 1949.5E6  | 652.7E6   | 747.018 | 657.749  |
| 14) T                       | DINOSEB      | 10.851 | 10.859 | 7949.3E6  | 4774.7E6  | 695.088 | 698.878  |
| 15) T                       | Picloram     | 10.671 | 11.895 | 15159.6E6 | 9653.9E6  | 708.823 | 685.985m |
| 16) T                       | DCPA         | 11.153 | 11.895 | 14308.9E6 | 10826.9E6 | 718.625 | 801.371m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030146.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 22:35  
Operator : AR\AJ  
Sample : HSTDCCC750  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

HSTDCCC750

## Manual Integrations

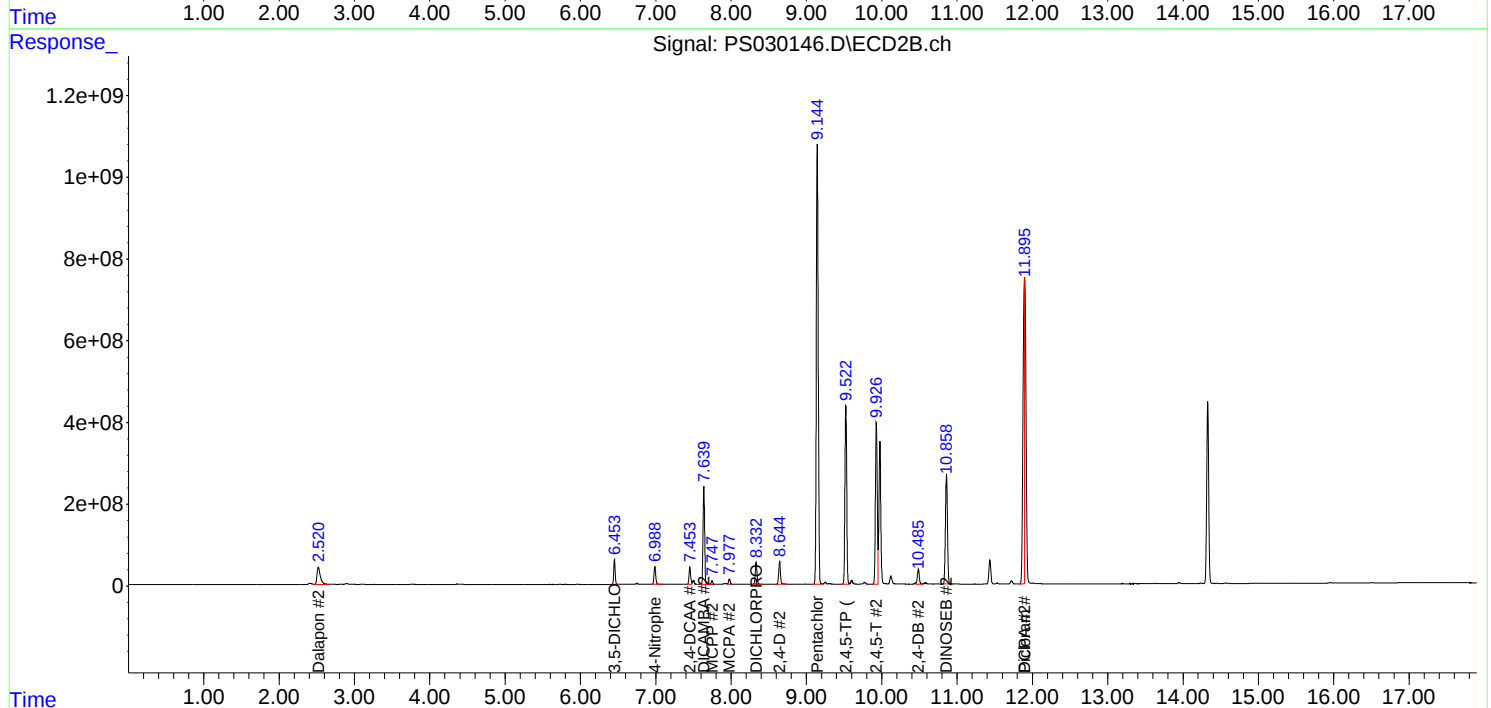
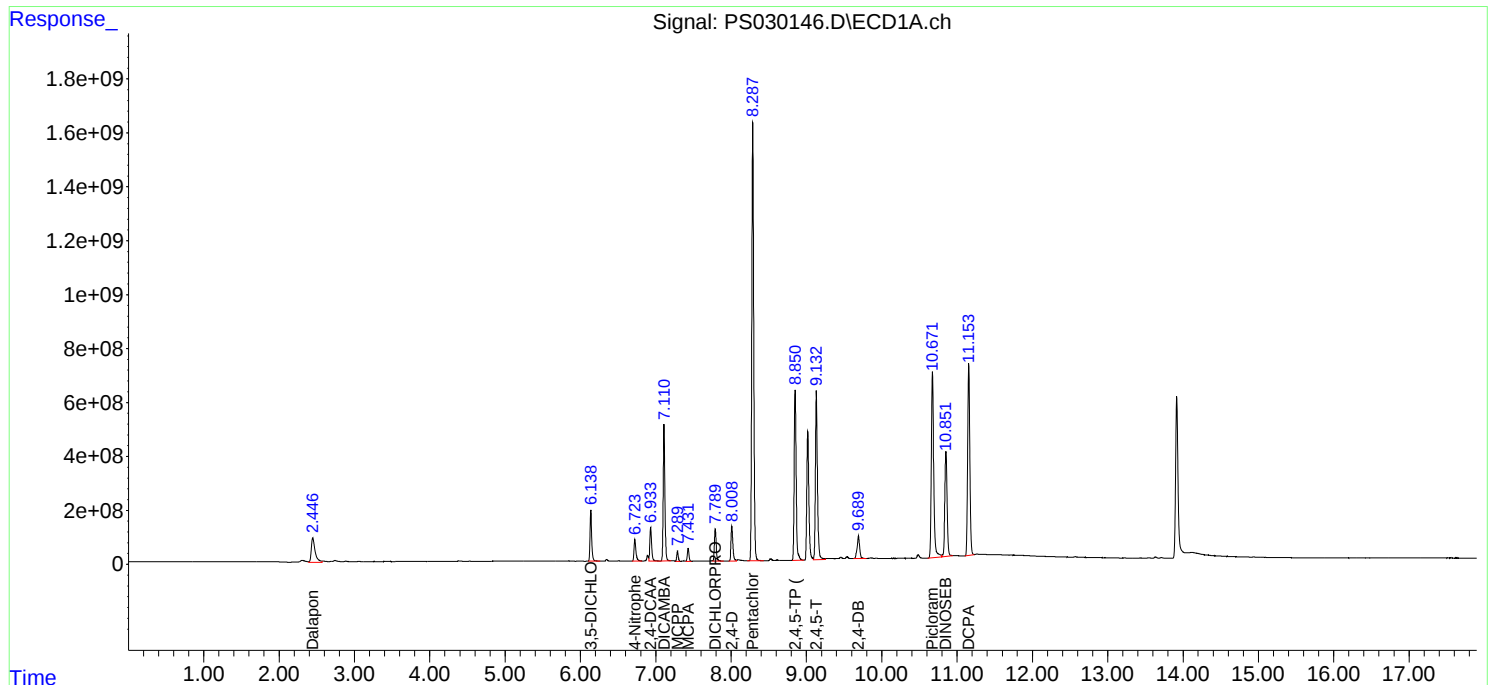
## APPROVED

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 13 03:39:24 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



## Analytical Sequence

|                                             |                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------|
| <b>Client:</b> CDM Smith                    | <b>SDG No.:</b> Q1956                                                      |
| <b>Project:</b> Bergen Point Fueling System | <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 # |
|-------------------|------------------|------------------|------------------|------------|--------------|------|
| IBLK              | IBLK             | 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 |
| IBLK              | IBLK             | 05/12/2025       | 18:34            | PS030137.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/12/2025       | 18:58            | PS030138.D | 6.93         | 0.00 |
| PB167968BL        | PB167968BL       | 05/12/2025       | 19:46            | PS030139.D | 6.93         | 0.00 |
| PB167968BS        | PB167968BS       | 05/12/2025       | 20:10            | PS030140.D | 6.93         | 0.00 |
| PB167851TB        | PB167851TB       | 05/12/2025       | 20:34            | PS030141.D | 6.94         | 0.00 |
| COMPI             | Q1956-05         | 05/12/2025       | 20:59            | PS030142.D | 6.94         | 0.00 |
| COMP1MS           | Q1956-05MS       | 05/12/2025       | 21:23            | PS030143.D | 6.94         | 0.00 |
| COMP1MSD          | Q1956-05MSD      | 05/12/2025       | 21:47            | PS030144.D | 6.94         | 0.00 |
| IBLK              | IBLK             | 05/12/2025       | 22:11            | PS030145.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/12/2025       | 22:35            | PS030146.D | 6.93         | 0.00 |

## Analytical Sequence

|                                      |                                                                 |
|--------------------------------------|-----------------------------------------------------------------|
| Client: CDM Smith                    | SDG No.: Q1956                                                  |
| Project: Bergen Point Fueling System | 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 # |
|-------------------|------------------|------------------|------------------|------------|--------------|------|
| LBLK              | LBLK             | 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 |
| LBLK              | LBLK             | 05/12/2025       | 18:34            | PS030137.D | 7.45         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/12/2025       | 18:58            | PS030138.D | 7.45         | 0.00 |
| PB167968BL        | PB167968BL       | 05/12/2025       | 19:46            | PS030139.D | 7.45         | 0.00 |
| PB167968BS        | PB167968BS       | 05/12/2025       | 20:10            | PS030140.D | 7.45         | 0.00 |
| PB167851TB        | PB167851TB       | 05/12/2025       | 20:34            | PS030141.D | 7.45         | 0.00 |
| COMPI             | Q1956-05         | 05/12/2025       | 20:59            | PS030142.D | 7.45         | 0.00 |
| COMP1MS           | Q1956-05MS       | 05/12/2025       | 21:23            | PS030143.D | 7.45         | 0.00 |
| COMP1MSD          | Q1956-05MSD      | 05/12/2025       | 21:47            | PS030144.D | 7.45         | 0.00 |
| LBLK              | LBLK             | 05/12/2025       | 22:11            | PS030145.D | 7.45         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/12/2025       | 22:35            | PS030146.D | 7.45         | 0.00 |

# COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP1MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q1956

SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: Q1956-05MS

Date(s) Analyzed: 05/12/2025 05/12/2025

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 | 53.8          | 2.1  |
|                  | 2   | 8.64 | 8.59      | 8.69 | 52.7          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 50.1          | 0.8  |
|                  | 2   | 9.52 | 9.47      | 9.57 | 50.5          |      |

**COMPOUND DETECTION SUMMARY**

CLIENT SAMPLE NO.

COMP1MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q1956

SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: Q1956-05MSD

Date(s) Analyzed: 05/12/2025 05/12/2025

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 | 52.9          | 3.3  |
|                  | 2   | 8.65 | 8.60      | 8.70 | 51.2          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 49.3          | 0.6  |
|                  | 2   | 9.52 | 9.47      | 9.57 | 49.6          |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167968BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q1956

SAS No.: Q1956

SDG NO.: Q1956

Lab Sample ID: PB167968BS

Date(s) Analyzed: 05/12/2025 05/12/2025

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 | 4.90          | 0    |
|                  | 2   | 8.65 | 8.60      | 8.70 | 4.90          |      |
| 2,4,5-TP(Silvex) | 1   | 8.85 | 8.80      | 8.90 | 5.00          | 0    |
|                  | 2   | 9.52 | 9.47      | 9.57 | 5.00          |      |



# QC SAMPLE DATA

## Report of Analysis

|                    |                             |                    |                  |
|--------------------|-----------------------------|--------------------|------------------|
| Client:            | CDM Smith                   | Date Collected:    |                  |
| Project:           | Bergen Point Fueling System | Date Received:     |                  |
| Client Sample ID:  | PB167968BL                  | SDG No.:           | Q1956            |
| Lab Sample ID:     | PB167968BL                  | 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 |
| PS030139.D        | 1         | 05/12/25 12:00 | 05/12/25 19:46 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 540   |           | 39 - 175 | 108%       | 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\PS051225\  
 Data File : PS030139.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 19:46  
 Operator : AR\AJ  
 Sample : PB167968BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 PB167968BL

**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 13 03:38:10 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 | 7.453 | 1537.2E6 | 409.2E6 | 539.789 | 511.417m |
|------|----------|-------|-------|----------|---------|---------|----------|

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030139.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 19:46  
Operator : AR\AJ  
Sample : PB167968BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

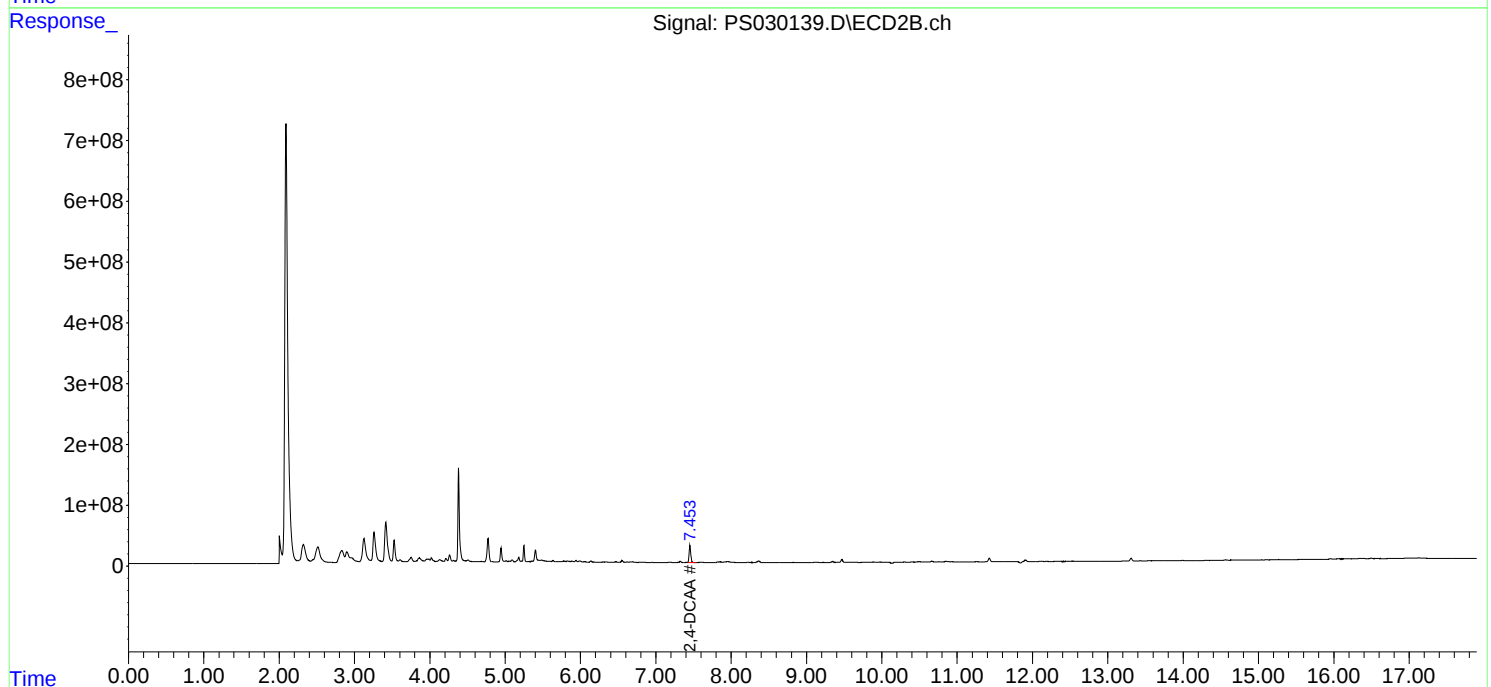
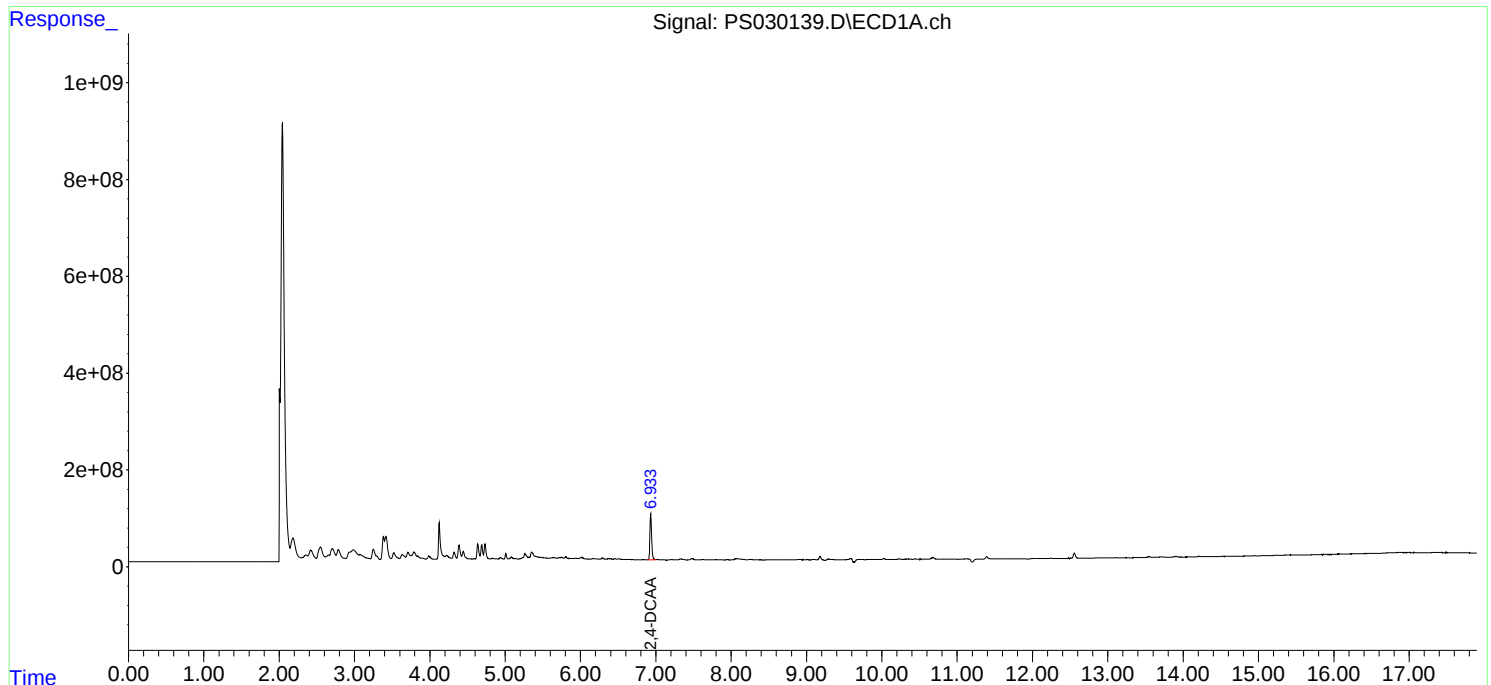
Instrument :  
ECD\_S  
ClientSampleId :  
PB167968BL

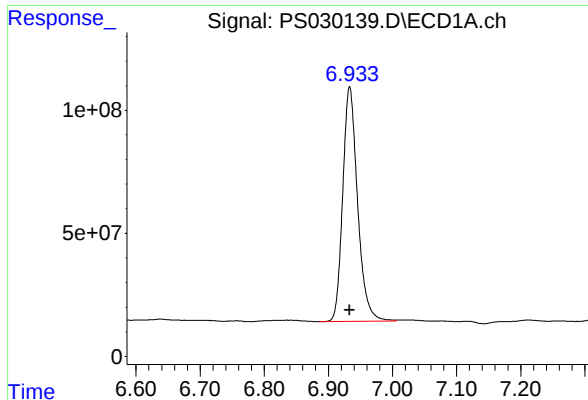
Manual Integrations  
**APPROVED**

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 13 03:38:10 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





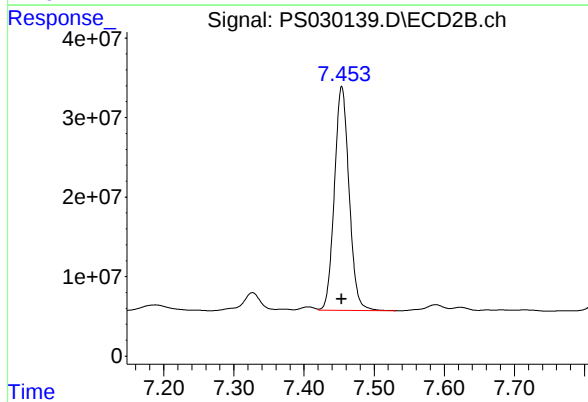
#4 2,4-DCAA

R.T.: 6.933 min  
Delta R.T.: 0.000 min  
Response: 1537215545  
Conc: 539.79 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB167968BL

Manual Integrations  
APPROVED

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



#4 2,4-DCAA

R.T.: 7.453 min  
Delta R.T.: 0.000 min  
Response: 409237771  
Conc: 511.42 ng/ml

## Report of Analysis

|                    |                             |                    |                |
|--------------------|-----------------------------|--------------------|----------------|
| Client:            | CDM Smith                   | Date Collected:    | 05/12/25       |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/12/25       |
| Client Sample ID:  | PIBLK-PS030124.D            | SDG No.:           | Q1956          |
| 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             | 2.00  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | 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

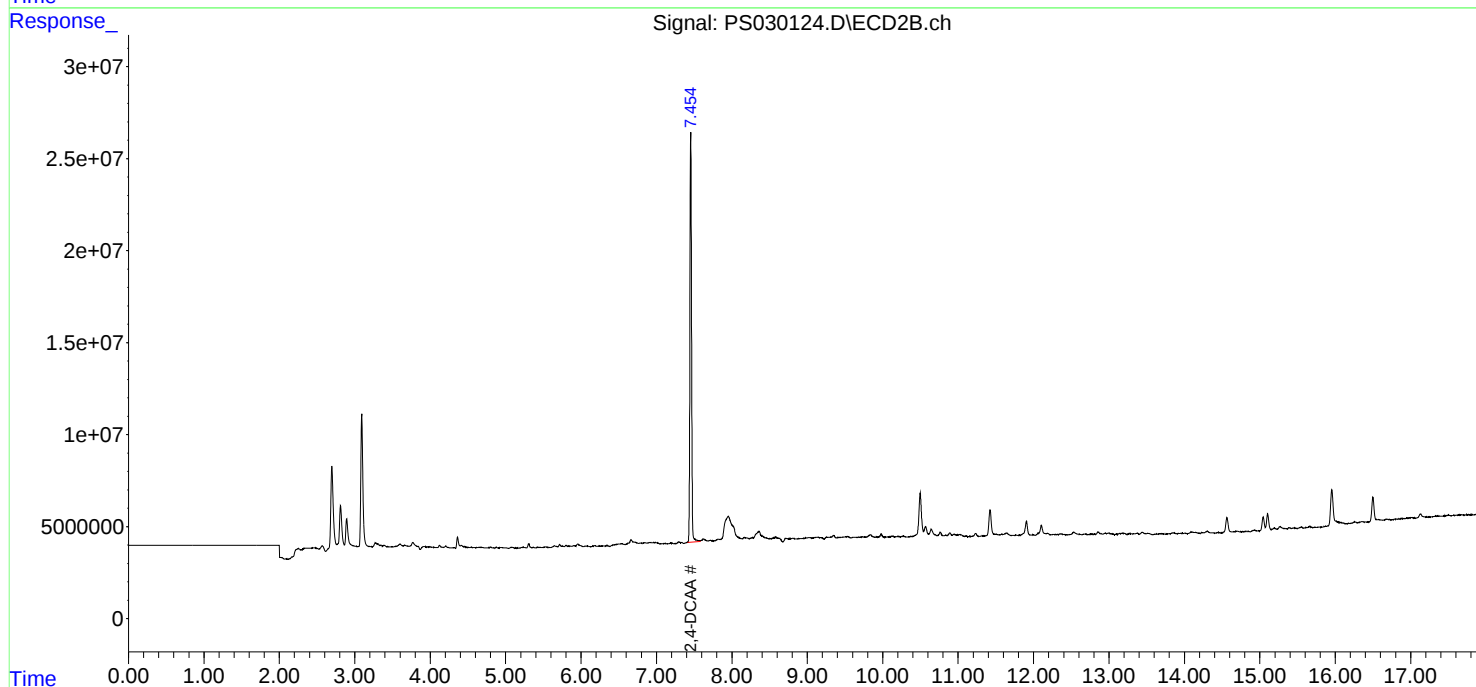
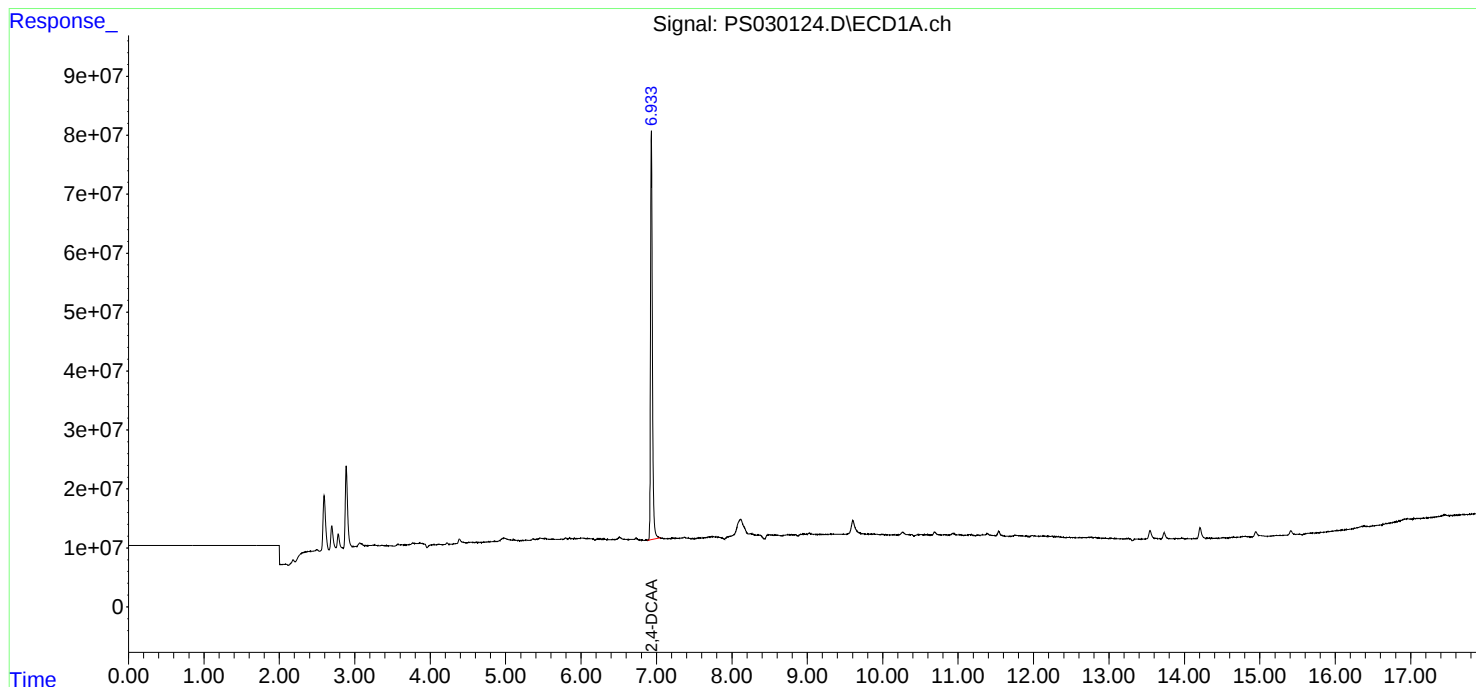
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

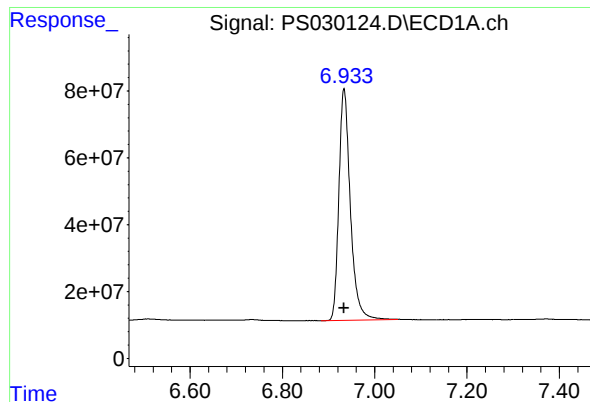
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030124.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 12:06  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

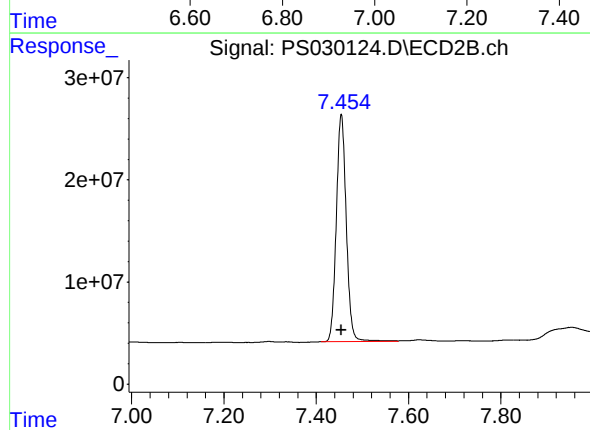




#4 2,4-DCAA

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:    | 05/12/25       |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/12/25       |
| Client Sample ID:  | PIBLK-PS030137.D            | SDG No.:           | Q1956          |
| Lab Sample ID:     | I.BLK-PS030137.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 |
| PS030137.D        | 1         |           | 05/12/25      | ps051225      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 432   |           | 39 - 175 | 86%        | 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\PS051225\  
 Data File : PS030137.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 18:34  
 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 13 03:37:48 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

| 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 | 1202.6E6 | 346.1E6 | 422.274 | 432.479 |
|---------------|-------|-------|----------|---------|---------|---------|

Target Compounds

-----

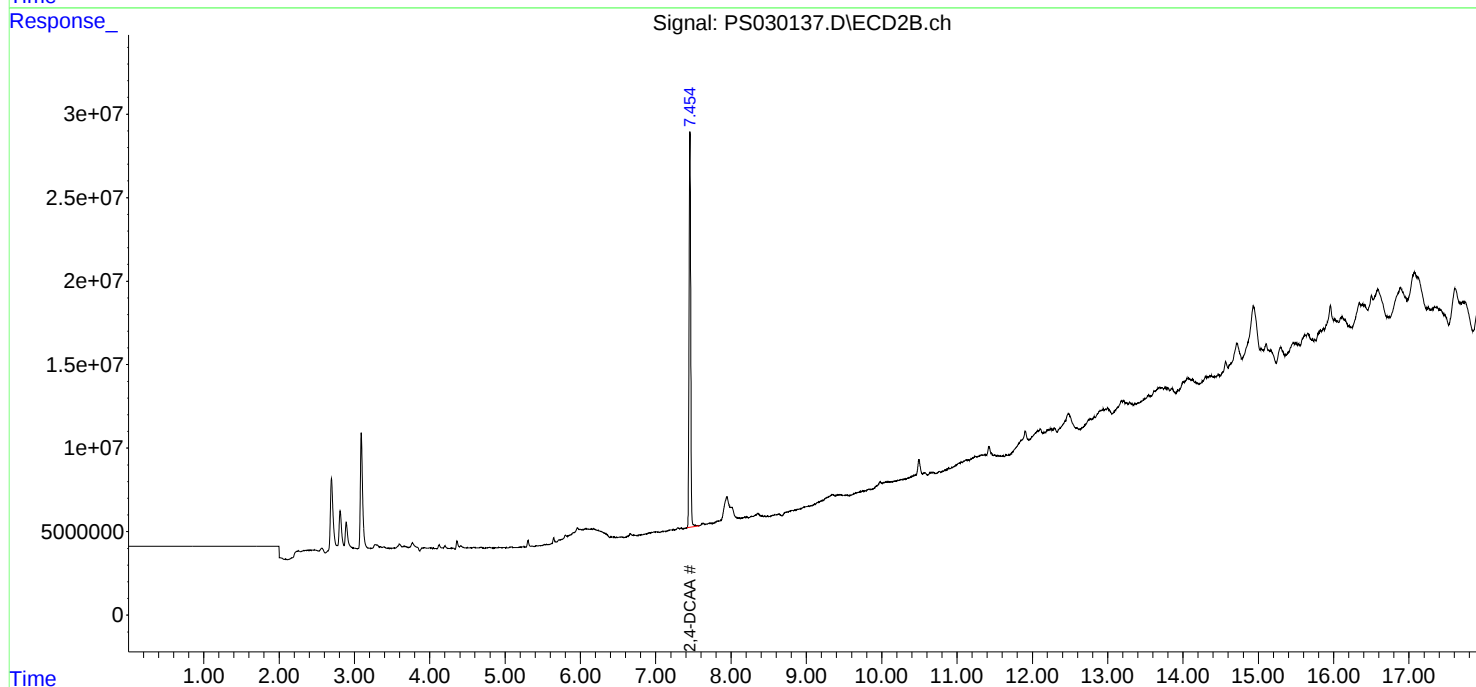
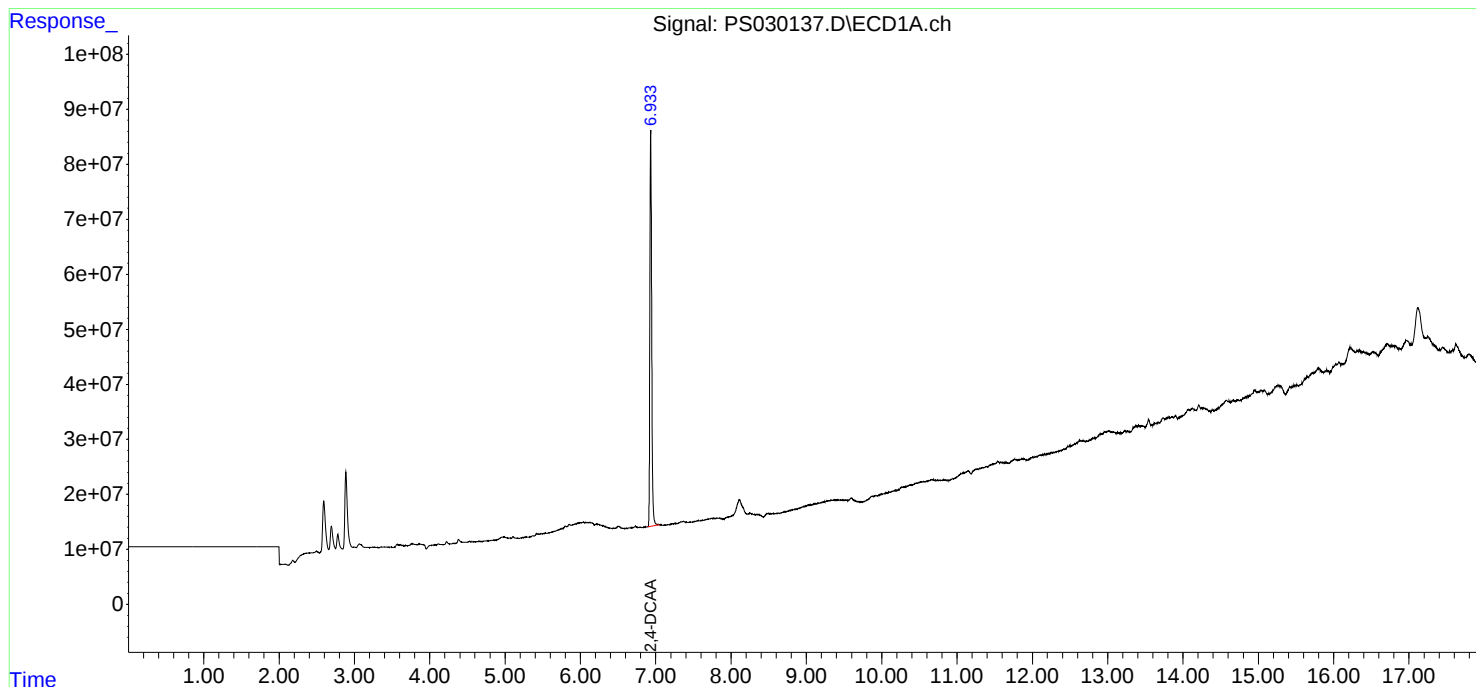
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

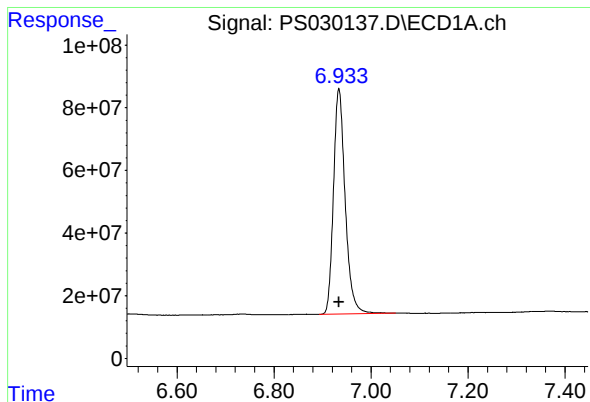
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030137.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 18:34  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 03:37:48 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: 1202556688

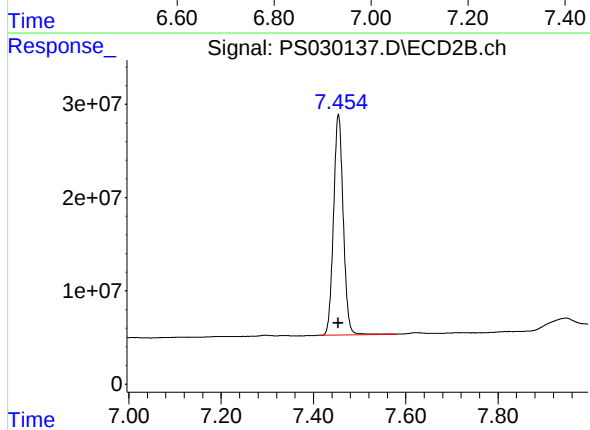
Conc: 422.27 ng/ml

Instrument :

ECD\_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.454 min

Delta R.T.: 0.000 min

Response: 346071391

Conc: 432.48 ng/ml

## Report of Analysis

|                    |                             |                    |                |
|--------------------|-----------------------------|--------------------|----------------|
| Client:            | CDM Smith                   | Date Collected:    | 05/12/25       |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/12/25       |
| Client Sample ID:  | PIBLK-PS030145.D            | SDG No.:           | Q1956          |
| Lab Sample ID:     | I.BLK-PS030145.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 |
| PS030145.D        | 1         |           | 05/12/25      | ps051225      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 2.00  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 2.00  | U         | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 440   |           | 39 - 175 | 88%        | SPK: 500 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030145.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 22:11  
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 13 03:39:13 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

| 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 | 1228.9E6 | 352.2E6 | 431.527 | 440.088 |

Target Compounds

-----

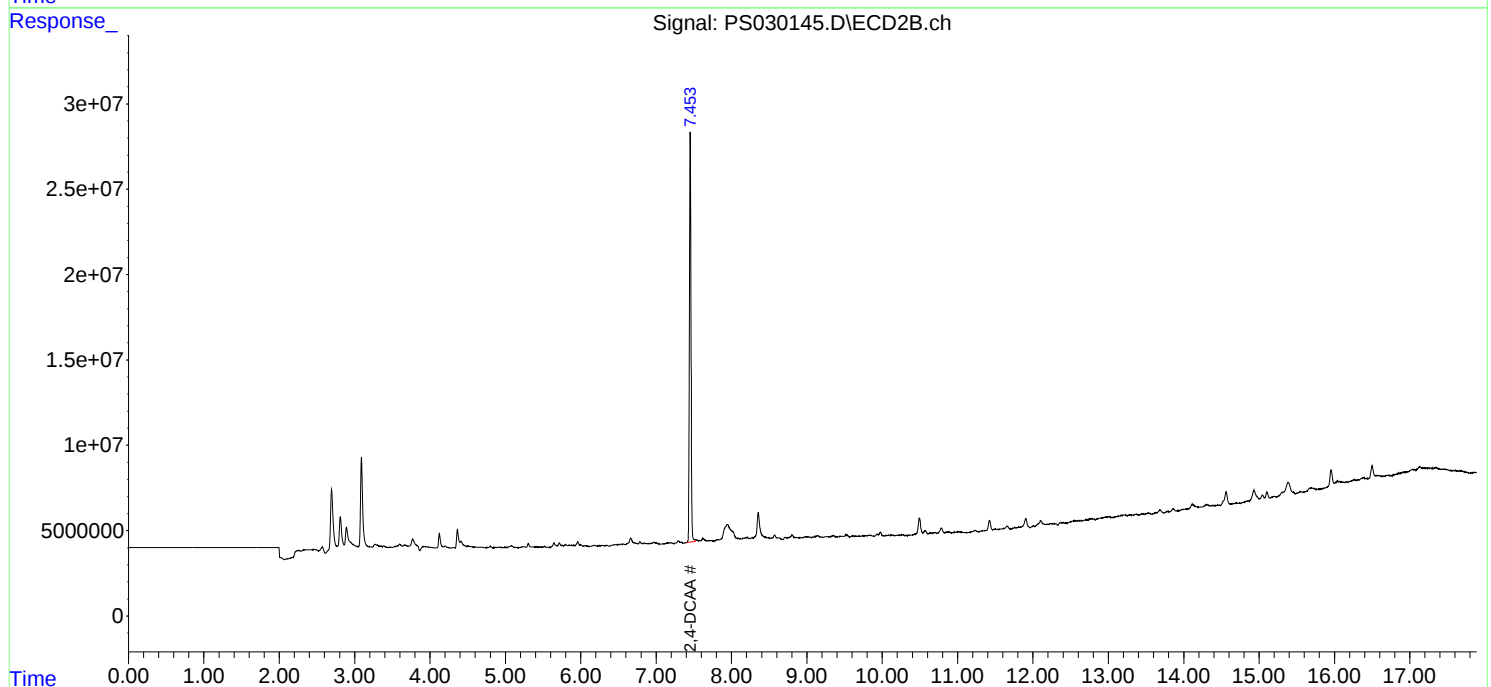
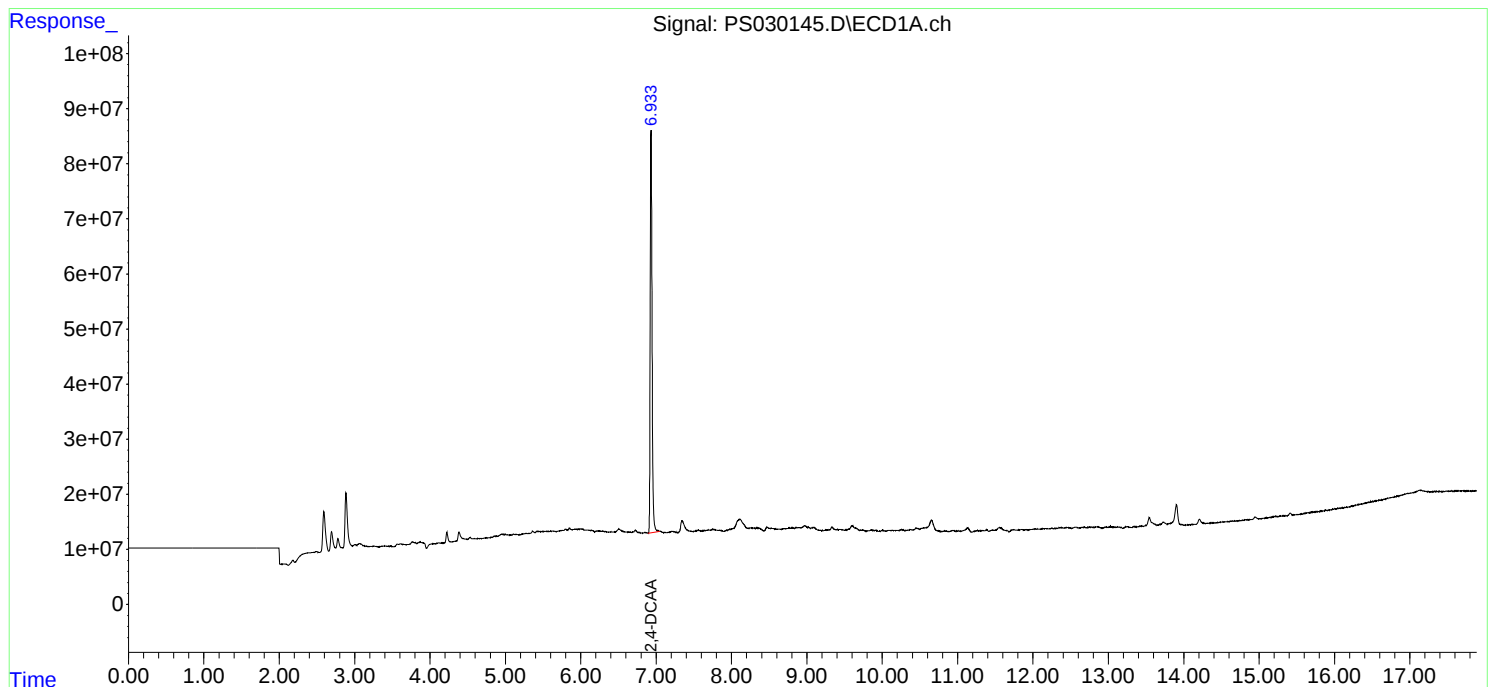
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

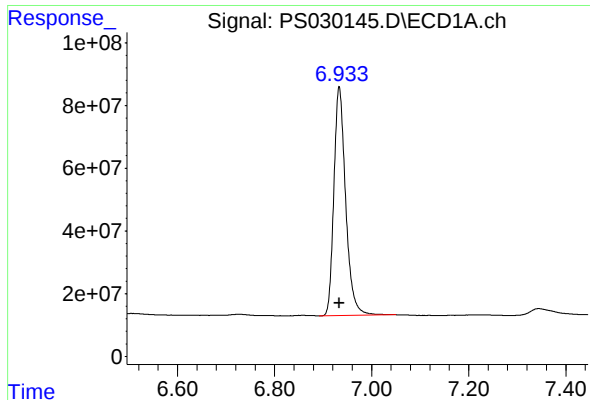
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030145.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 22:11  
Operator : AR\AJ  
Sample : I.BLK  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 13 03:39:13 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





#4 2,4-DCAA

R.T.: 6.933 min

Delta R.T.: 0.000 min

Response: 1228906880

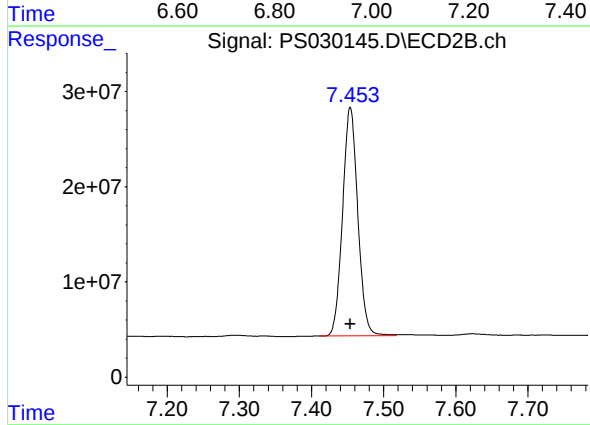
Conc: 431.53 ng/ml

Instrument :

ECD\_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.454 min

Delta R.T.: 0.000 min

Response: 352159833

Conc: 440.09 ng/ml

## Report of Analysis

|                    |                             |                    |                  |
|--------------------|-----------------------------|--------------------|------------------|
| Client:            | CDM Smith                   | Date Collected:    |                  |
| Project:           | Bergen Point Fueling System | Date Received:     |                  |
| Client Sample ID:  | PB167968BS                  | SDG No.:           | Q1956            |
| Lab Sample ID:     | PB167968BS                  | 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 |
| PS030140.D        | 1         | 05/12/25 12:00 | 05/12/25 20:10 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 4.90  |           | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 5.00  |           | 0.78     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 523   |           | 39 - 175 | 105%       | SPK: 500 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
 Data File : PS030140.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 20:10  
 Operator : AR\AJ  
 Sample : PB167968BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB167968BS

## 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 13 03:38:20 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  | 1472.4E6  | 418.6E6   | 517.015 | 523.155  |
| Target Compounds            |              |        |        |           |           |         |          |
| 1) T                        | Dalapon      | 2.446  | 2.520  | 2288.4E6  | 950.0E6   | 465.563 | 467.755  |
| 2) T                        | 3,5-DICHL... | 6.139  | 6.453  | 2007.3E6  | 545.3E6   | 481.293 | 467.707  |
| 3) T                        | 4-Nitroph... | 6.724  | 6.988  | 969.5E6   | 445.4E6   | 469.363 | 426.596  |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 5612.7E6  | 2308.5E6  | 485.635 | 488.257  |
| 6) T                        | MCP          | 7.288  | 7.747  | 358.4E6   | 86977211  | 49.215  | 47.276   |
| 7) T                        | MCPA         | 7.430  | 7.976  | 486.6E6   | 125.2E6   | 46.871  | 47.464   |
| 8) T                        | DICHLORPROP  | 7.790  | 8.332  | 1417.9E6  | 586.2E6   | 485.366 | 496.148  |
| 9) T                        | 2,4-D        | 8.010  | 8.645  | 1592.6E6  | 636.3E6   | 485.717 | 493.089  |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 20449.0E6 | 12439.0E6 | 504.904 | 503.912  |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 8034.1E6  | 4889.0E6  | 496.053 | 496.321  |
| 12) T                       | 2,4,5-T      | 9.133  | 9.927  | 8208.1E6  | 4563.5E6  | 497.004 | 495.833  |
| 13) T                       | 2,4-DB       | 9.690  | 10.485 | 1343.4E6  | 463.0E6   | 514.768 | 466.570  |
| 14) T                       | DINOSEB      | 10.851 | 10.859 | 5539.7E6  | 3302.4E6  | 484.393 | 483.376  |
| 15) T                       | Picloram     | 10.671 | 11.895 | 10430.3E6 | 6901.2E6  | 487.694 | 490.380m |
| 16) T                       | DCPA         | 11.153 | 11.894 | 9904.4E6  | 7256.0E6  | 497.422 | 537.060m |
| -----                       |              |        |        |           |           |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030140.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 20:10  
Operator : AR\AJ  
Sample : PB167968BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB167968BS

## Manual Integrations

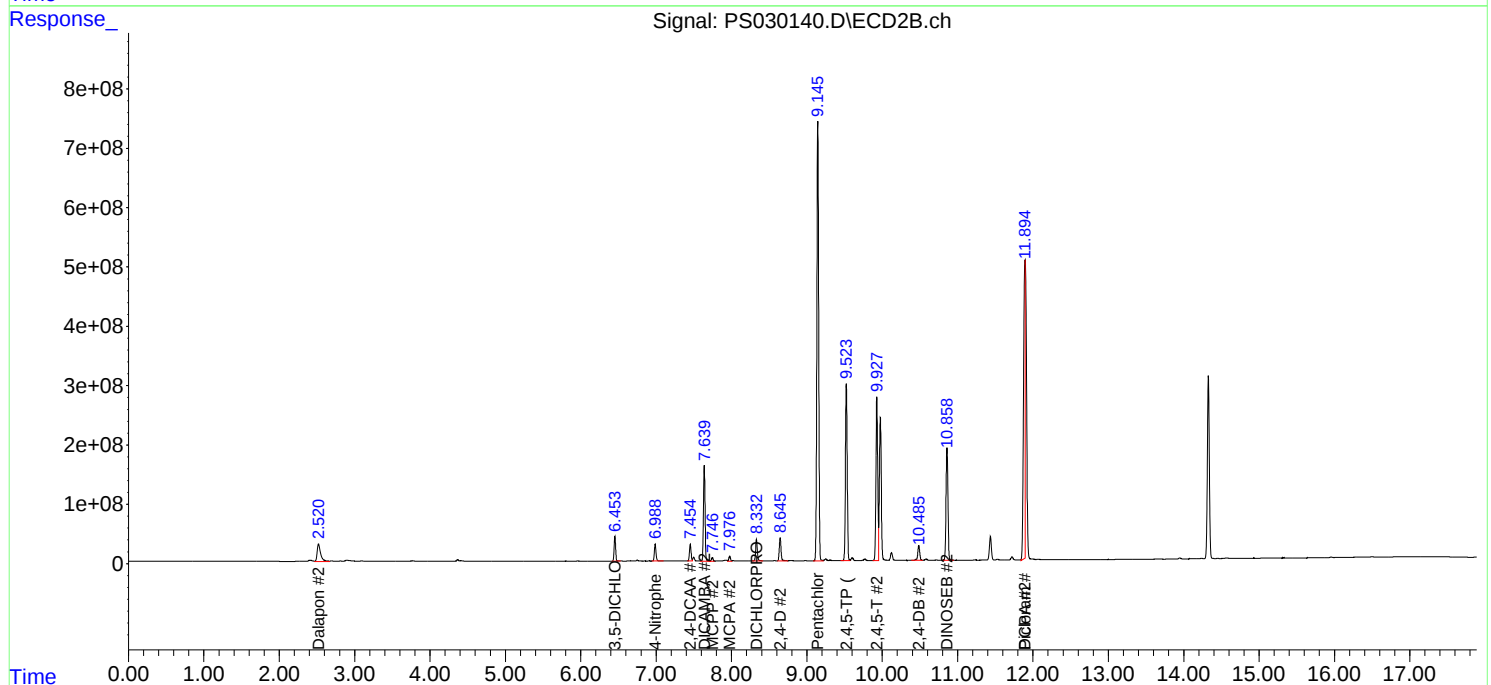
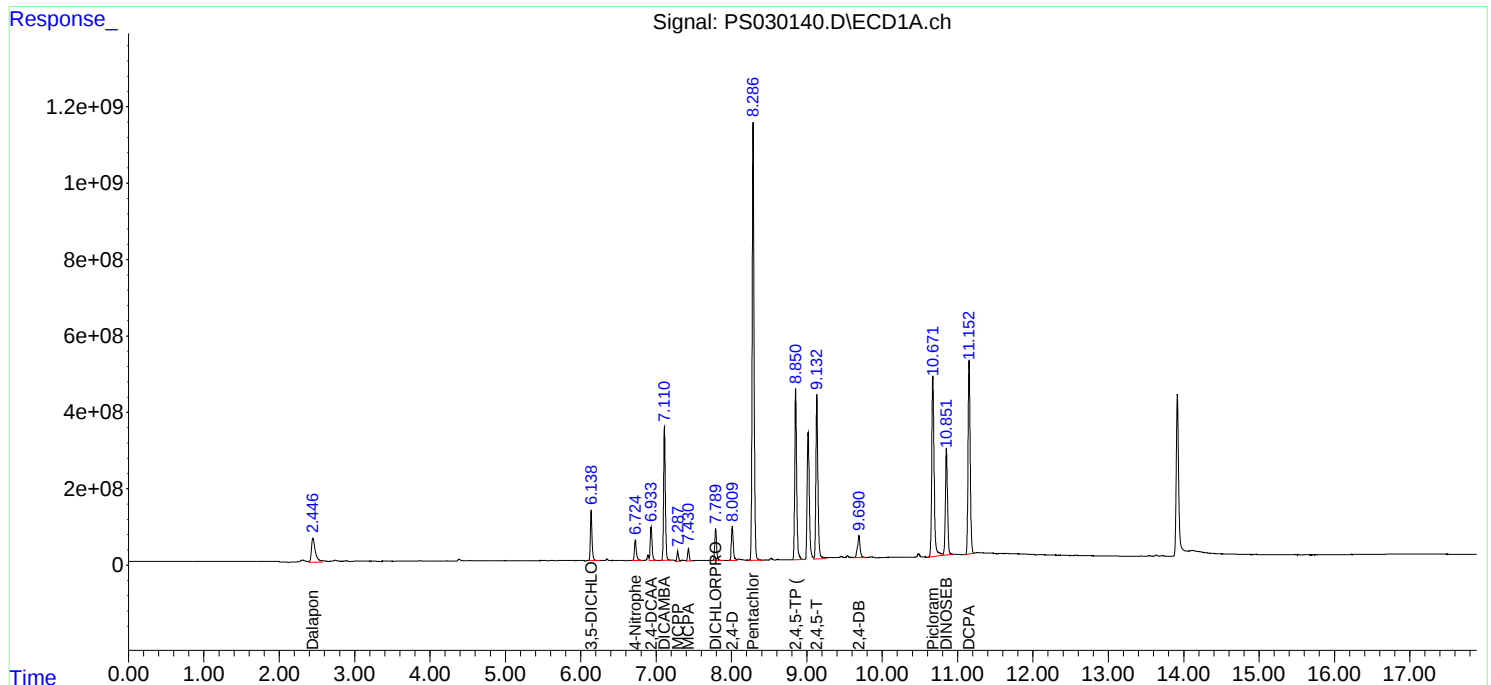
## APPROVED

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 13 03:38:20 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



## Report of Analysis

|                    |                             |                    |                  |
|--------------------|-----------------------------|--------------------|------------------|
| Client:            | CDM Smith                   | Date Collected:    | 05/02/25         |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/02/25         |
| Client Sample ID:  | COMP1MS                     | SDG No.:           | Q1956            |
| Lab Sample ID:     | Q1956-05MS                  | 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 :      | SW3510C                     |                    |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030143.D        | 1         | 05/12/25 12:00 | 05/12/25 21:23 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 53.8  |           | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 50.5  |           | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 779   |           | 39 - 175 | 156%       | 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\PS051225\  
 Data File : PS030143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 21:23  
 Operator : AR\AJ  
 Sample : Q1956-05MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

COMP1MS

## 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 13 06:00:36 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     | 6.937  | 7.454  | 2218.8E6  | 351.5E6   | 779.133  | 439.202 #  |
| Target Compounds            |              |        |        |           |           |          |            |
| 1) T                        | Dalapon      | 2.444  | 2.519  | 2392.8E6  | 2118.9E6  | 486.797  | 1043.251 # |
| 2) T                        | 3,5-DICHL... | 6.138  | 6.453  | 2140.0E6  | 537.4E6   | 513.114m | 460.939m   |
| 3) T                        | 4-Nitroph... | 6.727  | 6.988  | 28958745  | 21823929  | 14.019m  | 20.904 #   |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 4813.0E6  | 2184.4E6  | 416.448  | 462.019    |
| 6) T                        | MCPD         | 7.288  | 7.746  | 514.4E6   | 76333837  | 70.633   | 41.491 #   |
| 7) T                        | MCPA         | 7.429  | 7.975  | 426.6E6   | 125.3E6   | 41.099   | 47.519     |
| 8) T                        | DICHLORPROP  | 7.788  | 8.332  | 1339.8E6  | 622.8E6   | 458.636m | 527.186    |
| 9) T                        | 2,4-D        | 8.009  | 8.644  | 1764.6E6  | 679.7E6   | 538.157  | 526.662    |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 17563.9E6 | 10500.6E6 | 433.669  | 425.383    |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 8121.0E6  | 4976.7E6  | 501.423  | 505.230    |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 7996.7E6  | 4454.0E6  | 484.203  | 483.942    |
| 13) T                       | 2,4-DB       | 9.691  | 10.485 | 1057.2E6  | 461.0E6   | 405.103  | 464.550    |
| 14) T                       | DINOSEB      | 10.852 | 10.858 | 3738.3E6  | 2100.8E6  | 326.880  | 307.490    |
| 15) T                       | Picloram     | 10.671 | 11.894 | 8846.3E6  | 5785.0E6  | 413.628  | 411.067m   |
| 16) T                       | DCPA         | 11.153 | 11.889 | 9416.2E6  | 5676.9E6  | 472.903  | 420.187m   |
| -----                       |              |        |        |           |           |          |            |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030143.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 21:23  
Operator : AR\AJ  
Sample : Q1956-05MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

COMP1MS

## Manual Integrations

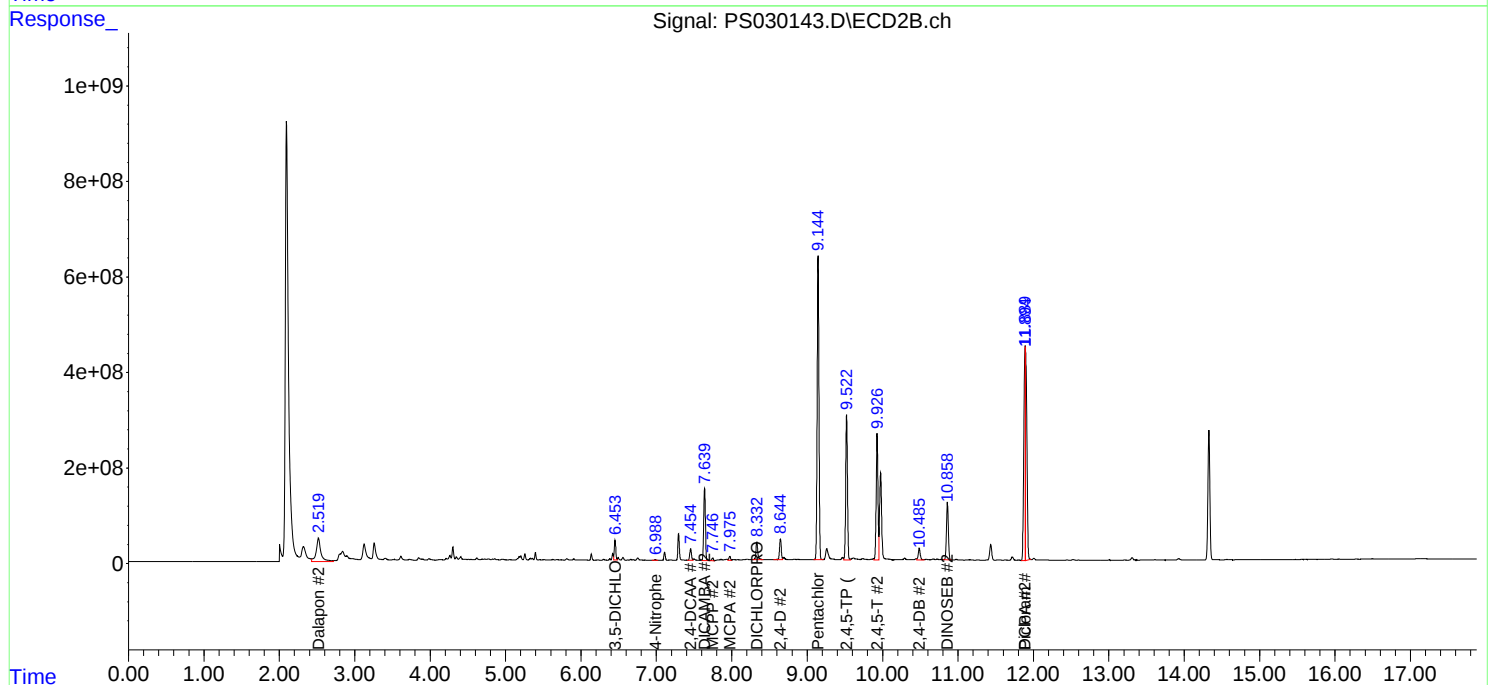
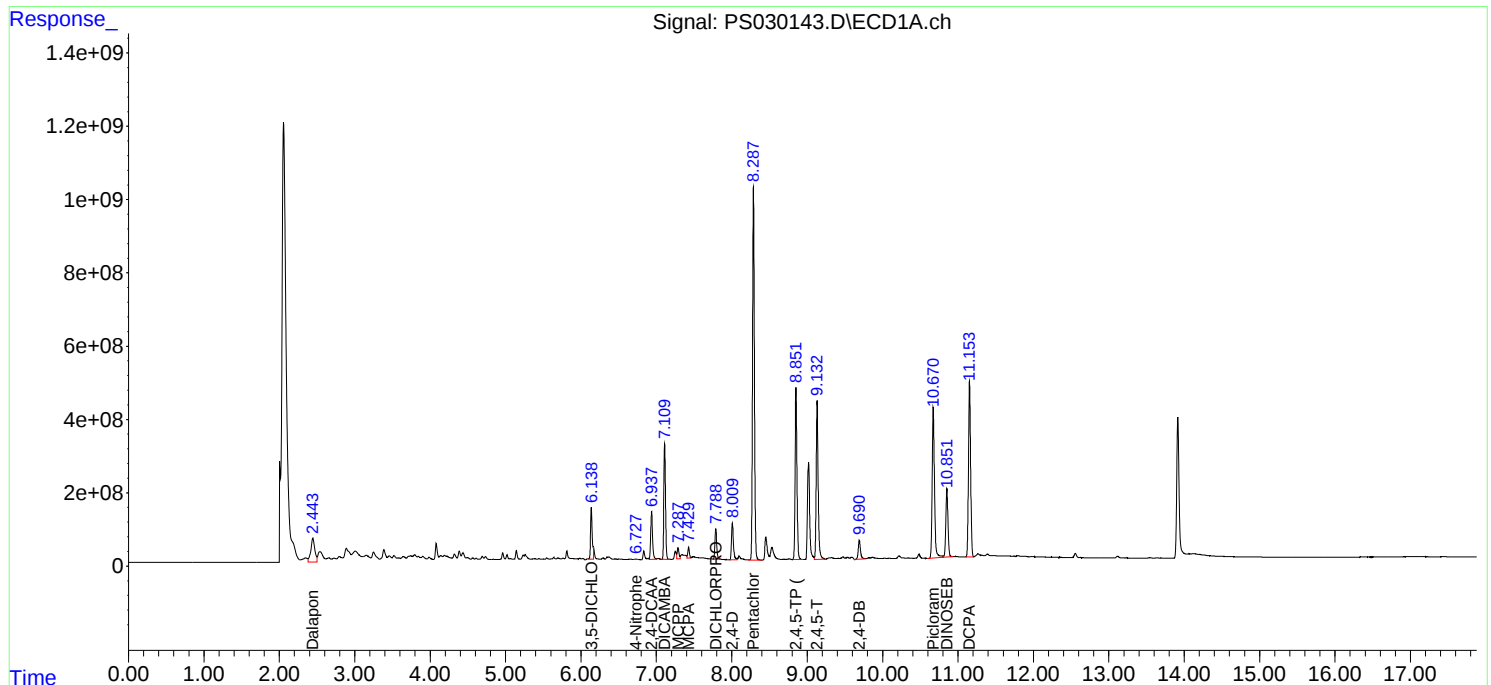
APPROVED

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 13 06:00:36 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



## Report of Analysis

|                    |                             |                    |                |
|--------------------|-----------------------------|--------------------|----------------|
| Client:            | CDM Smith                   | Date Collected:    | 05/02/25       |
| Project:           | Bergen Point Fueling System | Date Received:     | 05/02/25       |
| Client Sample ID:  | COMP1MSD                    | SDG No.:           | Q1956          |
| Lab Sample ID:     | Q1956-05MSD                 | 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 |
| PS030144.D        | 1         | 05/12/25 12:00 | 05/12/25 21:47 | PB167968      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 94-75-7           | 2,4-D             | 52.9  |           | 9.20     | 20.0       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 49.6  |           | 7.80     | 20.0       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 759   |           | 39 - 175 | 152%       | 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\PS051225\  
 Data File : PS030144.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 May 2025 21:47  
 Operator : AR\AJ  
 Sample : Q1956-05MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

COMP1MSD

## 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 13 03:39:02 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     | 6.937  | 7.454  | 2161.8E6  | 347.2E6   | 759.098  | 433.857 #  |
| Target Compounds            |              |        |        |           |           |          |            |
| 1) T                        | Dalapon      | 2.444  | 2.518  | 2352.8E6  | 2116.3E6  | 478.663  | 1041.982 # |
| 2) T                        | 3,5-DICHL... | 6.138  | 6.453  | 2108.2E6  | 529.4E6   | 505.505m | 454.102m   |
| 3) T                        | 4-Nitroph... | 6.729  | 6.987  | 24271027  | 20798932  | 11.750m  | 19.922 #   |
| 5) T                        | DICAMBA      | 7.110  | 7.640  | 4735.5E6  | 2146.8E6  | 409.738  | 454.054    |
| 6) T                        | MCP          | 7.287  | 7.747  | 483.9E6   | 74988517  | 66.443   | 40.760 #   |
| 7) T                        | MCPA         | 7.429  | 7.975  | 419.0E6   | 125.8E6   | 40.360   | 47.684     |
| 8) T                        | DICHLORPROP  | 7.790  | 8.333  | 1344.7E6  | 606.4E6   | 460.304  | 513.257    |
| 9) T                        | 2,4-D        | 8.009  | 8.645  | 1735.9E6  | 660.7E6   | 529.424  | 511.951    |
| 10) T                       | Pentachlo... | 8.287  | 9.145  | 17341.6E6 | 10336.0E6 | 428.179  | 418.715    |
| 11) T                       | 2,4,5-TP ... | 8.851  | 9.523  | 7991.1E6  | 4890.6E6  | 493.400  | 496.481    |
| 12) T                       | 2,4,5-T      | 9.132  | 9.927  | 7872.8E6  | 4375.6E6  | 476.699  | 475.427    |
| 13) T                       | 2,4-DB       | 9.691  | 10.485 | 1044.4E6  | 499.3E6   | 400.191  | 503.180 #  |
| 14) T                       | DINOSEB      | 10.851 | 10.858 | 3713.3E6  | 2101.5E6  | 324.692  | 307.604    |
| 15) T                       | Picloram     | 10.671 | 11.895 | 8686.6E6  | 5210.7E6  | 406.161  | 370.262m   |
| 16) T                       | DCPA         | 11.152 | 11.890 | 9284.4E6  | 6414.2E6  | 466.285  | 474.752m   |
| -----                       |              |        |        |           |           |          |            |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS051225\  
Data File : PS030144.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 May 2025 21:47  
Operator : AR\AJ  
Sample : Q1956-05MSD  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

COMP1MSD

## Manual Integrations

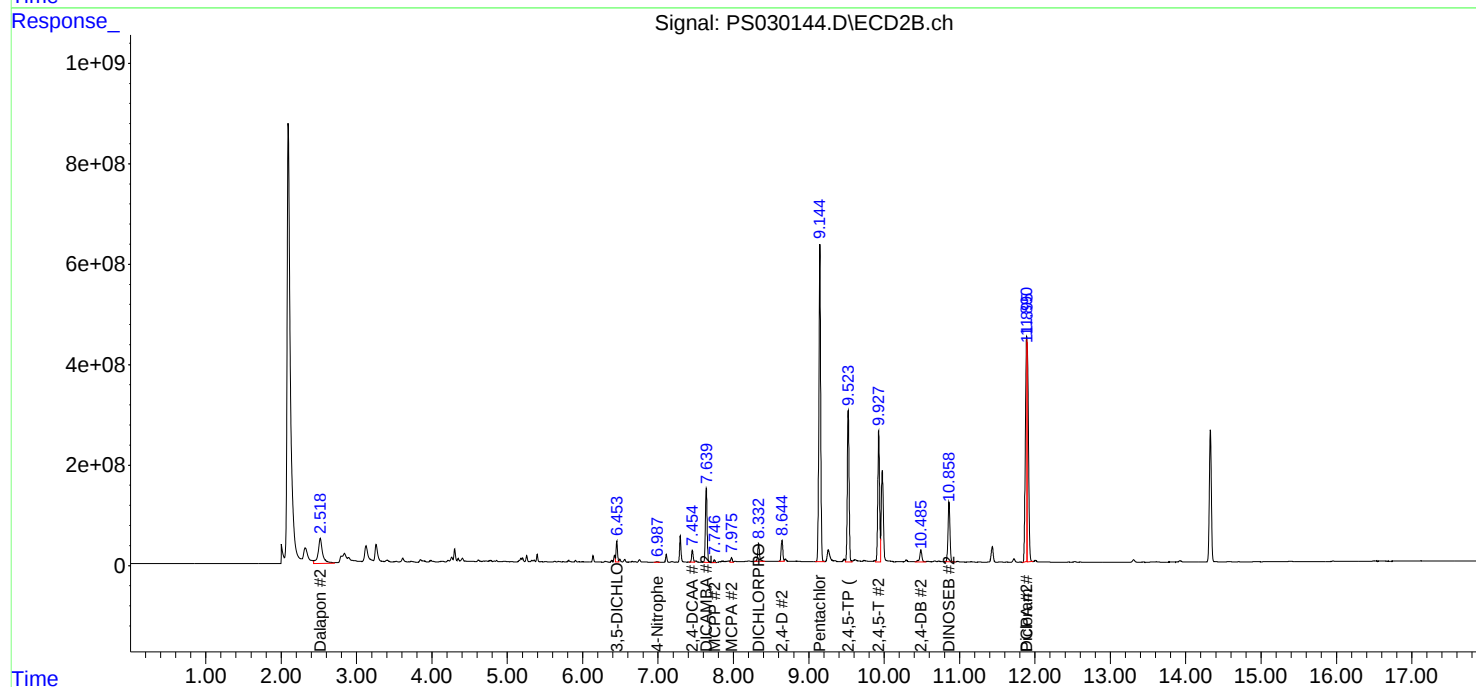
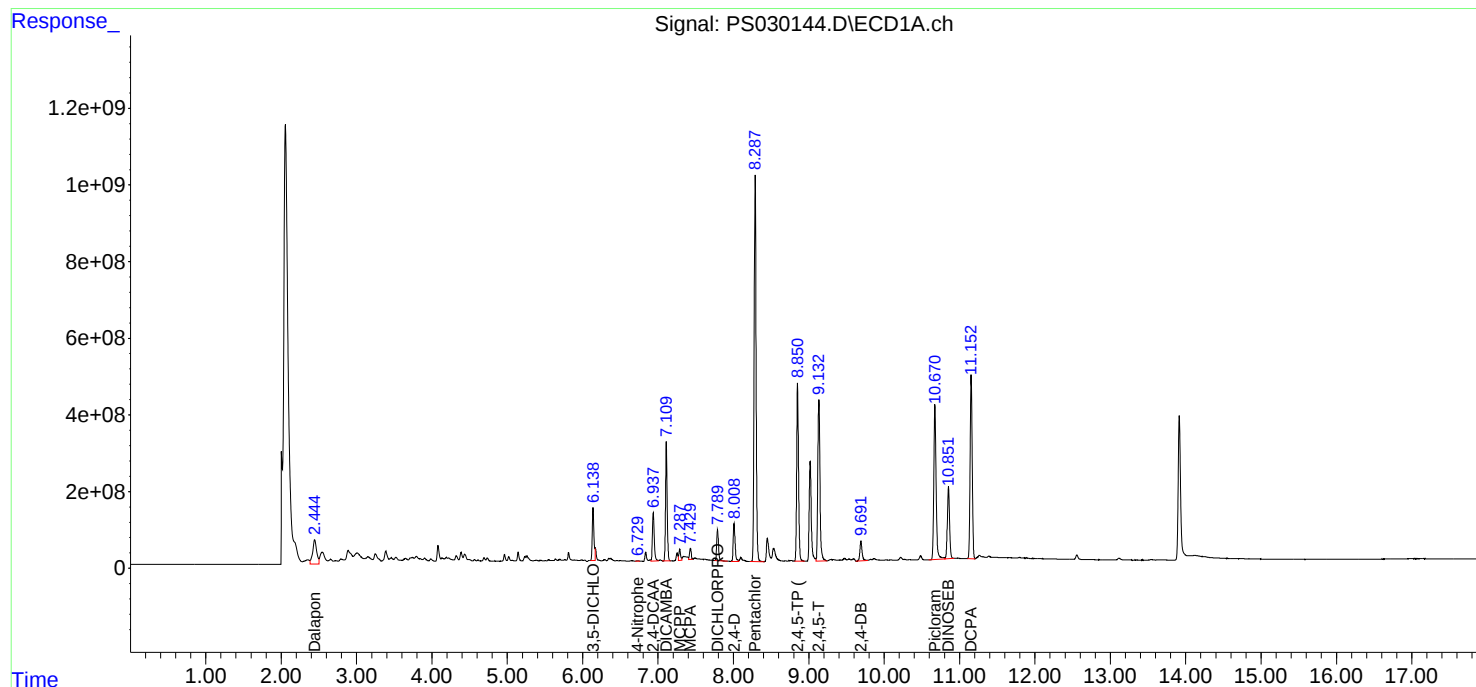
APPROVED

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 13 03:39:02 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



## 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 |
| PB167968BL | PS030139.D | 2,4-DCAA #2                     | Abdul     | 5/13/2025 9:34:39 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| PB167968BS | PS030140.D | DCPA #2                         | Abdul     | 5/13/2025 9:34:44 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| PB167968BS | PS030140.D | Picloram #2                     | Abdul     | 5/13/2025 9:34:44 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05   | PS030142.D | 2,4-DCAA #2                     | Abdul     | 5/13/2025 9:34:48 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | 3,5-DICHLOROBENZOI<br>C ACID    | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | 3,5-DICHLOROBENZOI<br>C ACID #2 | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | 4-Nitrophenol                   | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | 4-Nitrophenol #2                | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | DCPA #2                         | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MS | PS030143.D | DICHLORPROP                     | Abdul     | 5/13/2025 9:34:52 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                      |
|-------------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1956-05MS  | PS030143.D | Picloram #2                     | Abdul     | 5/13/2025 9:34:52 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MSD | PS030144.D | 3,5-DICHLOROBENZOI<br>C ACID    | Abdul     | 5/13/2025 9:34:57 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MSD | PS030144.D | 3,5-DICHLOROBENZOI<br>C ACID #2 | Abdul     | 5/13/2025 9:34:57 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MSD | PS030144.D | 4-Nitrophenol                   | Abdul     | 5/13/2025 9:34:57 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MSD | PS030144.D | DCPA #2                         | Abdul     | 5/13/2025 9:34:57 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| Q1956-05MSD | PS030144.D | Picloram #2                     | Abdul     | 5/13/2025 9:34:57 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 |

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/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<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 # 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

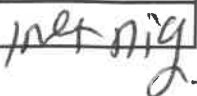
|                         |               |                                                                                                                        |
|-------------------------|---------------|------------------------------------------------------------------------------------------------------------------------|
| <b>SOP ID :</b>         | M1311-TCLP-15 |                                                                                                                        |
| <b>SDG No :</b>         | N/A           | <b>Start Prep Date :</b> 05/05/2025 <b>Time :</b> 15:00                                                                |
| <b>Welgh By :</b>       | JP            | <b>End Prep Date :</b> 05/06/2025 <b>Time :</b> 08:35                                                                  |
| <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> <sup>70</sup> <del>N/A</del>                                                               |
| <b>Extraction By :</b>  | JP            | <b>Initial Room Temperature:</b> 23 °C                                                                                 |
| <b>Filter By :</b>      | JP            | <b>Final Room Temperature:</b> 22 °C                                                                                   |
| <b>Pippete ID :</b>     | WC            | <b>TCLP Technician Signature :</b>  |
| <b>Tumbler ID :</b>     | T-1           | <b>Supervisor By :</b>              |
| <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 sikes are added after fiftation and tumbling. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. Q1960-03 IS USED FOR MS-MSD.

| Date / Time    | Prepped Sample Relinquished By/Location                                                       | Received By/Location                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 05/06/25 11:00 |  /CLP Room | S/S.  EXT       |
|                | 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 |
|------------|-----------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167851TB | LEB851    | 07             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.93              | 1.0                     | T-1      |
| Q1947-04   | MH-P      | 01             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| Q1947-08   | MH-O      | 02             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.0                     | T-1      |
| Q1951-04   | MH-KK     | 03             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-1      |
| Q1956-05   | COMP1     | 04             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |
| Q1959-01   | SOIL-PILE | 05             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.0                     | T-1      |
| Q1960-03   | 72-11933  | 06             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |

| SampleID   | ClientID  | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|------------|-----------|-------------------|-------------------|---------------|------------------------------|----------|--------------|
| PB167851TB | LEB851    | N/A               | N/A               | N/A           | N/A                          | N/A      | N/A          |
| Q1947-04   | MH-P      | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1947-08   | MH-O      | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1951-04   | MH-KK     | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1956-05   | COMP1     | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1959-01   | SOIL-PILE | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1960-03   | 72-11933  | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |

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

Thermometer ID : N/A

| 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 |
|------------|-----------|-------------------|----------------------|---------------------|----------------------|-------------------------|---------------------|
| PB167851TB | LEB851    | N/A               | N/A                  | N/A                 | N/A                  | #1                      | 4.93                |
| Q1947-04   | MH-P      | 5.02              | 96.5                 | 5.6                 | 1.5                  | #1                      | 4.93                |
| Q1947-08   | MH-O      | 5.01              | 96.5                 | 6.2                 | 2.0                  | #1                      | 4.93                |
| Q1951-04   | MH-KK     | 5.02              | 96.5                 | 6.0                 | 2.0                  | #1                      | 4.93                |
| Q1956-05   | COMP1     | 5.02              | 96.5                 | 7.6                 | 3.0                  | #1                      | 4.93                |
| Q1959-01   | SOIL-PILE | 5.01              | 96.5                 | 7.2                 | 3.0                  | #1                      | 4.93                |
| Q1960-03   | 72-11933  | 5.02              | 96.5                 | 7.0                 | 3.0                  | #1                      | 4.93                |

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip q1956

WorkList ID : 189319

Department : TCLP Extraction

Date : 05-05-2025 11:14:03

| Sample   | Customer Sample | Matrix | Test            | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|-----------------|--------------|----------|-----------------------------|--------------|--------|
| Q1947-04 | MH-P            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/02/2025   | 1311   |
| Q1947-08 | MH-O            | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L41                         | 05/02/2025   | 1311   |
| Q1951-04 | MH-KK           | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L31                         | 05/02/2025   | 1311   |
| Q1956-05 | COMP1           | Solid  | TCLP Extraction | Cool 4 deg C | CAMP02   | L31                         | 05/02/2025   | 1311   |
| Q1959-01 | SOIL-PILE       | Solid  | TCLP Extraction | Cool 4 deg C | PSEG04   | L41                         | 05/05/2025   | 1311   |
| Q1960-03 | 72-11933        | Solid  | TCLP Extraction | Cool 4 deg C | PSEG03   | L51                         | 05/05/2025   | 1311   |

Date/Time 05/05/25 14:30  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]

Date/Time 05/05/25 17:30  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: [Signature]

**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:** 4,5,7

**Extraction Start Date :** 05/12/2025

**Extraction Start Time :** 12:00

**Extraction End Date :** 05/12/2025

**Extraction End Time :** 18:45

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** ☒ Separatory Funnel ☐ Continous 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     |
| 12N H2SO4        | N/A            | EP2605     |
| NAOH 6N          | N/A            | EP2606     |
| ISO OCTANE       | N/A            | E3554      |
| METHANOL         | N/A            | V14622     |
| Diazomethane     | N/A            | EP2608     |
| Hexane           | N/A            | E3933      |
| 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

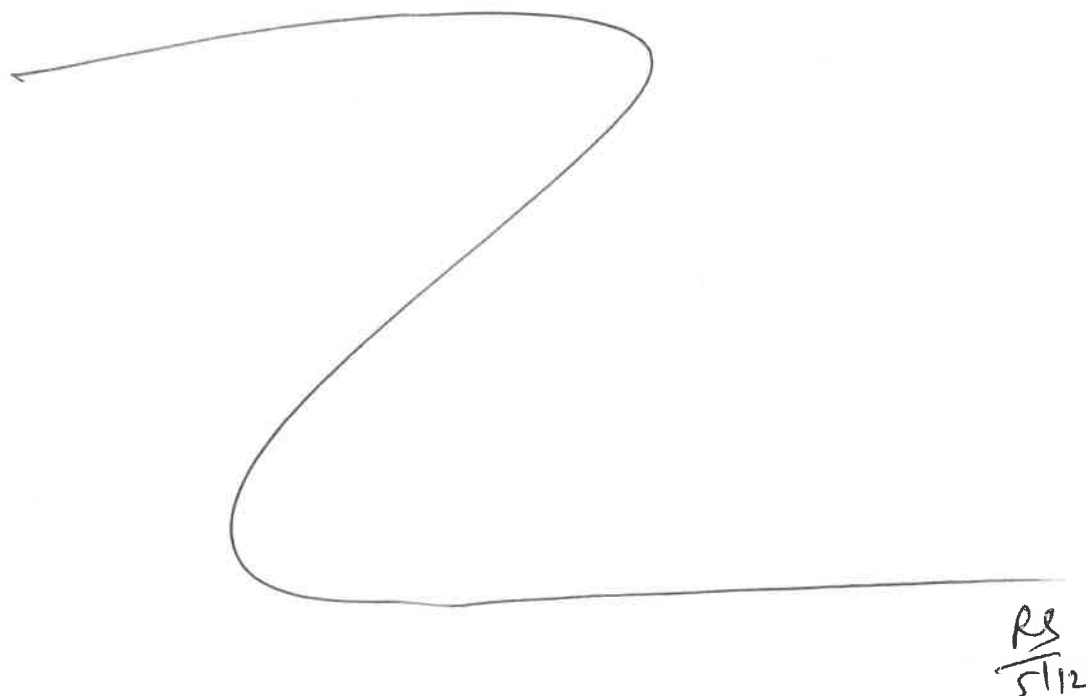
**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 5/12/25     | RS (Ext-Lab)                            | DR Pest-PCB Lab      |
| 18:50       | Preparation Group                       | Analysis Group       |

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/12/2025

| Sample ID       | Client Sample ID | Test           | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|----------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167851TB      | PB167851TB       | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 |       |          | SEP-1       |
| PB167943TB      | PB167943TB       | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 |       |          | 2           |
| PB167968BL      | HBLK968          | TCLP Herbicide | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 3           |
| PB167968BS      | HLCS968          | TCLP Herbicide | 1000   | 6  | RUPESH         | ritesh     | 10                 |       |          | 4           |
| Q1956-05        | COMP1            | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 5           |
| Q1956-05MS      | COMP1MS          | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 6           |
| Q1956-05MS<br>D | COMP1MSD         | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 7           |
| Q2007-06        | OR-636-COMP-10   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 8           |
| Q2007-12        | OR-636-COMP-11   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 9           |
| Q2007-18        | OR-636-COMP-12   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 10          |
| Q2007-24        | OR-636-COMP-13   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 11          |
| Q2007-30        | OR-636-COMP-14   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 12          |
| Q2007-36        | OR-636-COMP-15   | TCLP Herbicide | 100    | 6  | RUPESH         | ritesh     | 10                 | A     |          | 13          |



| 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 |
|------------|-----------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167851TB | LEB851    | 07             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.93              | 1.0                     | T-1      |
| Q1947-04   | MH-P      | 01             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| Q1947-08   | MH-O      | 02             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.0                     | T-1      |
| Q1951-04   | MH-KK     | 03             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-1      |
| Q1956-05   | COMP1     | 04             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |
| Q1959-01   | SOIL-PILE | 05             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.0                     | T-1      |
| Q1960-03   | 72-11933  | 06             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |

05/06/25  
11:00

| 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 |
|------------|----------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167943TB | LEB943         | 13             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.0                     | T-2      |
| Q2004-02   | VNJ-220        | 01             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-1      |
| Q2004-04   | 2811           | 02             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2004-06   | R0202          | 03             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.5                     | T-1      |
| Q2004-08   | 205510         | 04             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.0               | 1.0                     | T-1      |
| Q2004-10   | SOIL-STOCK     | 05             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 5.0               | 1.5                     | T-1      |
| Q2004-12   | STONE-STOCK    | 06             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 6.2               | 1.5                     | T-1      |
| Q2007-06   | OR-636-COMP-10 | 07             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q2007-12   | OR-636-COMP-11 | 08             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.0                     | T-1      |
| Q2007-18   | OR-636-COMP-12 | 09             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-1      |
| Q2007-24   | OR-636-COMP-13 | 10             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-1      |
| Q2007-30   | OR-636-COMP-14 | 11             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.0                     | T-2      |
| Q2007-36   | OR-636-COMP-15 | 12             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.6               | 1.5                     | T-2      |

05/12/23

11:30



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM Smith  
ADDRESS: 110 Fieldcrest Avenue #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: Bergen Point Project  
PROJECT NO.: 99939 LOCATION: W. Babylon, NY  
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 Avenue, #8 Floor 6th  
CITY Edison STATE: NJ ZIP: 08837  
ATTENTION: Marcie Encinas PHONE: 732-590-4690

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. TCL VOC  
2. TCL SVOC  
3. TAL METALS  
4. PCBs  
5. PESTICIDES  
6. HERBICIDES  
7. PRO/GRO  
8. FULL TCLP  
9. RCRA CHARAC

PRESERVATIVES

COMMENTS

← Specify Preservatives  
A-HCl D-NaOH  
B-HNO3 E-ICE  
C-H2SO4 F-OTHER

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |         | # OF BOTTLES |   |   |   |   |   |   |   |   |   |         |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|---------|--------------|---|---|---|---|---|---|---|---|---|---------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME    |              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |         |
| 1.                       | SB1-3-4'                         | Soil             |                | X    | 5/1/25               | 9:00AM  | 13           | X | X | X | X | X | X | X |   |   | E       |
| 2.                       | SB2-4-5'                         | Soil             |                | X    | 5/2/25               | 12:00PM | 13           | X | X | X | X | X | X | X |   |   | E       |
| 3.                       | COMP1                            | Soil             | X              |      | 5/2/25               | 1:30PM  | 3            |   |   |   |   |   |   |   | X | X | E       |
| 4.                       | SB91-3-4'                        | Soil             |                | X    | 5/1/25               | 9:30AM  | 13           | X | X | X | X | X | X | X | X |   | E       |
| 5.                       | SB2-MS                           | Soil             |                | X    | 5/2/25               | 12:30PM | 13           | X | X | X | X | X | X | X |   |   | E       |
| 6.                       | SB2-MSD                          | Soil             |                | X    | 5/2/25               | 12:40PM | 13           | X | X | X | X | X | X | X |   |   | E       |
| 7.                       | FB-05022025                      | Aqueous          |                | X    | 5/2/25               | 11:00AM | 9            | X | X | X | X | X | X | X |   |   | E, A, B |
| 8.                       |                                  |                  |                |      |                      |         |              |   |   |   |   |   |   |   |   |   |         |
| 9.                       |                                  |                  |                |      |                      |         |              |   |   |   |   |   |   |   |   |   |         |
| 10.                      |                                  |                  |                |      |                      |         |              |   |   |   |   |   |   |   |   |   |         |

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

|                                                   |                             |                                 |                                                                                                                                                     |
|---------------------------------------------------|-----------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <i>[Signature]</i> | DATE/TIME: 1404<br>5.2.2025 | RECEIVED BY: <i>[Signature]</i> | Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT COOLER TEMP: 3 °C |
| RELINQUISHED BY SAMPLER:<br>2. <i>[Signature]</i> | DATE/TIME:                  | RECEIVED BY:                    | Comments: IR Can #1 (Adjusted Factor + 1)                                                                                                           |
| RELINQUISHED BY SAMPLER:<br>3. <i>[Signature]</i> | DATE/TIME: 1820<br>5.2.2025 | 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> Q1956                     | CAMP02 | <b>Order Date :</b> 5/2/2025 3:14:35 PM                   | <b>Project Mgr :</b>           |
| <b>Client Name :</b> CDM Smith              |        | <b>Project Name :</b> Bergen Point Fueling System         | <b>Report Type :</b> NYS ASP A |
| <b>Client Contact :</b> Marcie Ann Encinas  |        | <b>Receive DateTime :</b> 5/2/2025 <del>12:00:00</del> AM | <b>EDD Type :</b> EQUIS        |
| <b>Invoice Name :</b> CDM Smith             |        | <b>Purchase Order :</b> 18:26                             | <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 |
|----------|-----------------------------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
| Q1956-01 | SB1-3-4                     | Solid  | 05/01/2025  | 09:00       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q1956-02 | SB2-4-5                     | Solid  | 05/02/2025  | 12:00       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q1956-03 | Q1956-02MS                  | Solid  | 05/02/2025  | 12:30       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q1956-04 | Q1956-02MSD                 | Solid  | 05/02/2025  | 12:40       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q1956-06 | <del>SB19-3-4</del><br>SB91 | Solid  | 05/01/2025  | 09:30       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260D    | 10 Bus. Days |           |
| Q1956-07 | FB-05022025                 | Water  | 05/02/2025  | 11:00       |               |            |          |              |           |
|          |                             |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                             |               |                                                   |                                |
|---------------------------------------------|---------------|---------------------------------------------------|--------------------------------|
| <b>Order ID :</b> Q1956                     | <b>CAMP02</b> | <b>Order Date :</b> 5/2/2025 3:14:35 PM           | <b>Project Mgr :</b>           |
| <b>Client Name :</b> CDM Smith              |               | <b>Project Name :</b> Bergen Point Fueling System | <b>Report Type :</b> NYS ASP A |
| <b>Client Contact :</b> Marcie Ann Encinas  |               | <b>Receive DateTime :</b> 5/2/2025 12:00:00 AM    | <b>EDD Type :</b> EQUIS        |
| <b>Invoice Name :</b> CDM Smith             |               | <b>Purchase Order :</b> 18-26                     | <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    |
|-------------|-----------|--------|-------------|-------------|---------------|------------|----------|----------|--------------|
| Q1956-09 TB |           | water  | 5/2/25      | 12:00       | VOC-TCLVOA-10 |            | 8260-LOW |          | 10 Bus Days. |

Relinquished By : 

Date / Time : 5/5/25 0835

Received By : 

Date / Time : 5/5/25 08:35

Storage Area : VOA Refridgerator Room

Rep # 6  
FZ-2