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Hit Summary Sheet  
SW-846

|          |           |             |                            |
|----------|-----------|-------------|----------------------------|
| SDG No.: | Q2100     | Order ID:   | Q2100                      |
| Client:  | CDM Smith | Project ID: | South River WM Replacement |

| Sample ID   | Client ID | Matrix | Parameter | Concentration        | C     | MDL | RDL | Units |
|-------------|-----------|--------|-----------|----------------------|-------|-----|-----|-------|
| Client ID : |           |        |           | Total Concentration: | 0.000 |     |     |       |



# SAMPLE DATA

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/19/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25  |
| Client Sample ID:  | TP-16                      | SDG No.:           | Q2100     |
| Lab Sample ID:     | Q2100-01                   | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 88.4      |
| Sample Wt/Vol:     | 30.07                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | Injection Volume : |           |
| Prep Method :      | 8151A                      |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030398.D        | 1         | 05/23/25 08:25 | 05/23/25 23:41 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 8.70  | U         | 8.70     | 75.6       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 14.4  | U         | 14.4     | 75.6       | ug/Kg             |
| 94-75-7           | 2,4-D             | 10.2  | U         | 10.2     | 75.6       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 10.2  | U         | 10.2     | 75.6       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 9.80  | U         | 9.80     | 75.6       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 27.3  | U         | 27.3     | 75.6       | ug/Kg             |
| 88-85-7           | DINOSEB           | 12.2  | U         | 12.2     | 75.6       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 359   |           | 10 - 141 | 72%        | 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

## Report of Analysis

|                    |                            |                 |           |
|--------------------|----------------------------|-----------------|-----------|
| Client:            | CDM Smith                  | Date Collected: | 05/19/25  |
| Project:           | South River WM Replacement | Date Received:  | 05/20/25  |
| Client Sample ID:  | TP-22                      | SDG No.:        | Q2100     |
| Lab Sample ID:     | Q2100-02                   | Matrix:         | SOIL      |
| Analytical Method: | 8151A                      | % Solid:        | 84        |
| Sample Wt/Vol:     | 30.02                      | Units:          | g         |
| Soil Aliquot Vol:  |                            |                 | uL        |
| Extraction Type:   |                            | Test:           | Herbicide |
| GPC Factor :       | 1.0                        | PH :            |           |
| Prep Method :      | 8151A                      | Decanted:       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030399.D        | 1         | 05/23/25 08:25 | 05/24/25 00:05 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 9.20  | U         | 9.20     | 79.7       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 15.2  | U         | 15.2     | 79.7       | ug/Kg             |
| 94-75-7           | 2,4-D             | 10.8  | U         | 10.8     | 79.7       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 10.8  | U         | 10.8     | 79.7       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 10.4  | U         | 10.4     | 79.7       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 28.8  | U         | 28.8     | 79.7       | ug/Kg             |
| 88-85-7           | DINOSEB           | 12.8  | U         | 12.8     | 79.7       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 299   |           | 10 - 141 | 60%        | SPK: 500          |

**Comments:**

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N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

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

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/20/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25  |
| Client Sample ID:  | TP-21                      | SDG No.:           | Q2100     |
| Lab Sample ID:     | Q2100-03                   | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 78.2      |
| Sample Wt/Vol:     | 30.06                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | Injection Volume : |           |
| Prep Method :      | 8151A                      |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030400.D        | 1         | 05/23/25 08:25 | 05/24/25 00:29 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 9.90  | U         | 9.90     | 85.5       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 16.3  | U         | 16.3     | 85.5       | ug/Kg             |
| 94-75-7           | 2,4-D             | 11.5  | U         | 11.5     | 85.5       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 11.6  | U         | 11.6     | 85.5       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 11.1  | U         | 11.1     | 85.5       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 30.9  | U         | 30.9     | 85.5       | ug/Kg             |
| 88-85-7           | DINOSEB           | 13.8  | U         | 13.8     | 85.5       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 252   |           | 10 - 141 | 50%        | SPK: 500          |

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## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/20/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25  |
| Client Sample ID:  | TP-45                      | SDG No.:           | Q2100     |
| Lab Sample ID:     | Q2100-04                   | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 76.2      |
| Sample Wt/Vol:     | 30.03                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | 8151A                      | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030405.D        | 1         | 05/23/25 08:25 | 05/24/25 02:53 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 10.2  | U         | 10.2     | 87.8       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 16.8  | U         | 16.8     | 87.8       | ug/Kg             |
| 94-75-7           | 2,4-D             | 11.9  | U         | 11.9     | 87.8       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 11.9  | U         | 11.9     | 87.8       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 11.4  | U         | 11.4     | 87.8       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 31.7  | U         | 31.7     | 87.8       | ug/Kg             |
| 88-85-7           | DINOSEB           | 14.2  | U         | 14.2     | 87.8       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 280   |           | 10 - 141 | 56%        | SPK: 500          |

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() = Laboratory InHouse Limit



# QC SUMMARY

### Surrogate Summary

SDG No.: **Q2100**

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-PS030379.D | PIBLK-PS030379.D | 2,4-DCAA  | 1      | 500   | 507    | 101 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 493    | 99  |      | 39     | 175  |
| PB168137BL       | PB168137BL       | 2,4-DCAA  | 1      | 500   | 449    | 90  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 406    | 81  |      | 10     | 141  |
| PB168137BS       | PB168137BS       | 2,4-DCAA  | 1      | 500   | 510    | 102 |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 435    | 87  |      | 10     | 141  |
| I.BLK-PS030391.D | PIBLK-PS030391.D | 2,4-DCAA  | 1      | 500   | 531    | 106 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 526    | 105 |      | 39     | 175  |
| Q2100-01         | TP-16            | 2,4-DCAA  | 1      | 500   | 359    | 72  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 322    | 64  |      | 10     | 141  |
| Q2100-02         | TP-22            | 2,4-DCAA  | 1      | 500   | 299    | 60  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 279    | 56  |      | 10     | 141  |
| Q2100-03         | TP-21            | 2,4-DCAA  | 1      | 500   | 252    | 50  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 234    | 47  |      | 10     | 141  |
| I.BLK-PS030403.D | PIBLK-PS030403.D | 2,4-DCAA  | 1      | 500   | 522    | 104 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 531    | 106 |      | 39     | 175  |
| Q2100-04         | TP-45            | 2,4-DCAA  | 1      | 500   | 280    | 56  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 254    | 51  |      | 10     | 141  |
| I.BLK-PS030408.D | PIBLK-PS030408.D | 2,4-DCAA  | 1      | 500   | 531    | 106 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 535    | 107 |      | 39     | 175  |
| I.BLK-PS030426.D | PIBLK-PS030426.D | 2,4-DCAA  | 1      | 500   | 488    | 98  |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 482    | 96  |      | 39     | 175  |
| Q2100-03MS       | TP-21MS          | 2,4-DCAA  | 1      | 500   | 282    | 56  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 249    | 50  |      | 10     | 141  |
| Q2100-03MSD      | TP-21MSD         | 2,4-DCAA  | 1      | 500   | 293    | 59  |      | 10     | 141  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 262    | 52  |      | 10     | 141  |
| I.BLK-PS030433.D | PIBLK-PS030433.D | 2,4-DCAA  | 1      | 500   | 499    | 100 |      | 39     | 175  |
|                  |                  | 2,4-DCAA  | 2      | 500   | 483    | 97  |      | 39     | 175  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2100</u>     | <b>Analytical Method:</b> | <u>8151A</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PS030429.D</u> |

| Lab Sample ID:                                       | Parameter        | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|------------------------------------------------------|------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2100-03MS<br>(Column 1) | <b>TP-21MS</b>   |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | DICAMBA          | 213.1 | 0             | 117    | ug/Kg | 55  |          |     |          | 10  | 112         |     |
|                                                      | DICHLORPROP      | 213.1 | 0             | 123    | ug/Kg | 58  |          |     |          | 10  | 113         |     |
|                                                      | 2,4-D            | 213.1 | 0             | 154    | ug/Kg | 72  |          |     |          | 10  | 144         |     |
|                                                      | 2,4,5-TP(Silvex) | 213.1 | 0             | 120    | ug/Kg | 56  |          |     |          | 10  | 114         |     |
|                                                      | 2,4,5-T          | 213.1 | 0             | 122    | ug/Kg | 57  |          |     |          | 10  | 115         |     |
|                                                      | 2,4-DB           | 213.1 | 0             | 156    | ug/Kg | 73  |          |     |          | 10  | 140         |     |
| <b>Client Sample ID:</b><br>Q2100-03MS<br>(Column 2) | Dinoseb          | 213.1 | 0             | 20.4   | ug/Kg | 10  |          |     |          | 10  | 118         |     |
|                                                      | <b>TP-21MS</b>   |       |               |        |       |     |          |     |          |     |             |     |
|                                                      | DICAMBA          | 213.1 | 0             | 109    | ug/Kg | 51  |          |     |          | 10  | 112         |     |
|                                                      | DICHLORPROP      | 213.1 | 0             | 119    | ug/Kg | 56  |          |     |          | 10  | 113         |     |
|                                                      | 2,4-D            | 213.1 | 0             | 134    | ug/Kg | 63  |          |     |          | 10  | 144         |     |
|                                                      | 2,4,5-TP(Silvex) | 213.1 | 0             | 123    | ug/Kg | 58  |          |     |          | 10  | 114         |     |
|                                                      | 2,4,5-T          | 213.1 | 0             | 118    | ug/Kg | 55  |          |     |          | 10  | 115         |     |
|                                                      | 2,4-DB           | 213.1 | 0             | 110    | ug/Kg | 52  |          |     |          | 10  | 140         |     |
|                                                      | Dinoseb          | 213.1 | 0             | 20.6   | ug/Kg | 10  |          |     |          | 10  | 118         |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

|                 |                  |                           |                   |
|-----------------|------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2100</u>     | <b>Analytical Method:</b> | <u>8151A</u>      |
| <b>Client:</b>  | <u>CDM Smith</u> | <b>DataFile :</b>         | <u>PS030430.D</u> |

| Lab Sample ID:                                        | Parameter        | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-------------------------------------------------------|------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Client Sample ID:</b><br>Q2100-03MSD<br>(Column 1) | <b>TP-21MSD</b>  |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | DICAMBA          | 212.6 | 0             | 121    | ug/Kg | 57  |          | 4   |          | 10  | 112         | 20  |
|                                                       | DICHLORPROP      | 212.6 | 0             | 128    | ug/Kg | 60  |          | 3   |          | 10  | 113         | 20  |
|                                                       | 2,4-D            | 212.6 | 0             | 146    | ug/Kg | 69  |          | 4   |          | 10  | 144         | 20  |
|                                                       | 2,4,5-TP(Silvex) | 212.6 | 0             | 128    | ug/Kg | 60  |          | 7   |          | 10  | 114         | 20  |
|                                                       | 2,4,5-T          | 212.6 | 0             | 127    | ug/Kg | 60  |          | 5   |          | 10  | 115         | 20  |
|                                                       | 2,4-DB           | 212.6 | 0             | 158    | ug/Kg | 74  |          | 1   |          | 10  | 140         | 20  |
|                                                       | Dinoseb          | 212.6 | 0             | 20.5   | ug/Kg | 10  |          | 0   |          | 10  | 118         | 20  |
| <b>Client Sample ID:</b><br>Q2100-03MSD<br>(Column 2) | <b>TP-21MSD</b>  |       |               |        |       |     |          |     |          |     |             |     |
|                                                       | DICAMBA          | 212.6 | 0             | 115    | ug/Kg | 54  |          | 6   |          | 10  | 112         | 20  |
|                                                       | DICHLORPROP      | 212.6 | 0             | 113    | ug/Kg | 53  |          | 6   |          | 10  | 113         | 20  |
|                                                       | 2,4-D            | 212.6 | 0             | 138    | ug/Kg | 65  |          | 3   |          | 10  | 144         | 20  |
|                                                       | 2,4,5-TP(Silvex) | 212.6 | 0             | 129    | ug/Kg | 61  |          | 5   |          | 10  | 114         | 20  |
|                                                       | 2,4,5-T          | 212.6 | 0             | 123    | ug/Kg | 58  |          | 5   |          | 10  | 115         | 20  |
|                                                       | 2,4-DB           | 212.6 | 0             | 115    | ug/Kg | 54  |          | 4   |          | 10  | 140         | 20  |
|                                                       | Dinoseb          | 212.6 | 0             | 20.6   | ug/Kg | 10  |          | 0   |          | 10  | 118         | 20  |

**SW-846**

Datafile : PS030382.D

| Lab Sample ID            | Parameter        | Spike | Result | Units | Rec | RPD | Qual | RPD  | Limits |      |
|--------------------------|------------------|-------|--------|-------|-----|-----|------|------|--------|------|
|                          |                  |       |        |       |     |     |      | Qual | Low    | High |
| PB168137BS<br>(Column 1) | DICAMBA          | 166.6 | 148    | ug/Kg | 89  |     |      |      | 72     | 129  |
|                          | DICHLORPROP      | 166.6 | 164    | ug/Kg | 98  |     |      |      | 77     | 135  |
|                          | 2,4-D            | 166.6 | 183    | ug/Kg | 110 |     |      |      | 65     | 144  |
|                          | 2,4,5-TP(Silvex) | 166.6 | 167    | ug/Kg | 100 |     |      |      | 74     | 146  |
|                          | 2,4,5-T          | 166.6 | 165    | ug/Kg | 99  |     |      |      | 77     | 134  |
|                          | 2,4-DB           | 166.6 | 177    | ug/Kg | 106 |     |      |      | 72     | 122  |
|                          | Dinoseb          | 166.6 | 148    | ug/Kg | 89  |     |      |      | 74     | 132  |
| PB168137BS<br>(Column 2) | DICAMBA          | 166.6 | 150    | ug/Kg | 90  |     |      |      | 72     | 129  |
|                          | DICHLORPROP      | 166.6 | 175    | ug/Kg | 105 |     |      |      | 77     | 135  |
|                          | 2,4-D            | 166.6 | 171    | ug/Kg | 103 |     |      |      | 65     | 144  |
|                          | 2,4,5-TP(Silvex) | 166.6 | 168    | ug/Kg | 101 |     |      |      | 74     | 146  |
|                          | 2,4,5-T          | 166.6 | 156    | ug/Kg | 94  |     |      |      | 77     | 134  |
|                          | 2,4-DB           | 166.6 | 134    | ug/Kg | 80  |     |      |      | 72     | 122  |
|                          | Dinoseb          | 166.6 | 136    | ug/Kg | 82  |     |      |      | 74     | 132  |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168137BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: PB168137BL

Lab File ID: PS030381.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/23/2025

Date Analyzed (1): 05/23/2025

Date Analyzed (2): 05/23/2025

Time Analyzed (1): 16:28

Time Analyzed (2): 16:28

Instrument ID (1): ECD\_S

Instrument ID (2): ECD\_S

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

GC Column (2): RTX-CLP2 ID: 0.32 (mm)

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| PB168137BS        | PB168137BS       | PS030382.D     | 05/23/2025         | 05/23/2025         |
| TP-16             | Q2100-01         | PS030398.D     | 05/23/2025         | 05/23/2025         |
| TP-22             | Q2100-02         | PS030399.D     | 05/24/2025         | 05/24/2025         |
| TP-21             | Q2100-03         | PS030400.D     | 05/24/2025         | 05/24/2025         |
| TP-45             | Q2100-04         | PS030405.D     | 05/24/2025         | 05/24/2025         |
| TP-21MS           | Q2100-03MS       | PS030429.D     | 05/29/2025         | 05/29/2025         |
| TP-21MSD          | Q2100-03MSD      | PS030430.D     | 05/29/2025         | 05/29/2025         |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    |           |
| Project:           | South River WM Replacement | Date Received:     |           |
| Client Sample ID:  | PB168137BL                 | SDG No.:           | Q2100     |
| Lab Sample ID:     | PB168137BL                 | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 100       |
| Sample Wt/Vol:     | 30.01                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | 8151A                      | Injection Volume : |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030381.D        | 1         | 05/23/25 08:25 | 05/23/25 16:28 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 7.70  | U         | 7.70     | 67.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 12.8  | U         | 12.8     | 67.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 9.00  | U         | 9.00     | 67.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 9.10  | U         | 9.10     | 67.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 8.70  | U         | 8.70     | 67.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 24.2  | U         | 24.2     | 67.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 10.8  | U         | 10.8     | 67.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 449   |           | 10 - 141 | 90%        | 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

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/12/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/12/25  |
| Client Sample ID:  | PIBLK-PS030124.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030124.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

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

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 419   |           | 39 - 175 | 84%        | SPK: 500 |

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## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/23/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/23/25  |
| Client Sample ID:  | PIBLK-PS030379.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030379.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030379.D        | 1         |           | 05/23/25      | ps052325      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 507   |           | 39 - 175 | 101%       | SPK: 500 |

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/23/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/23/25  |
| Client Sample ID:  | PIBLK-PS030391.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030391.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030391.D        | 1         |           | 05/23/25      | ps052325      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 531   |           | 39 - 175 | 106%       | SPK: 500 |

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/24/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/24/25  |
| Client Sample ID:  | PIBLK-PS030403.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030403.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030403.D        | 1         |           | 05/24/25      | ps052325      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 531   |           | 39 - 175 | 106%       | SPK: 500 |

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |           |                    |           |           |
|--------------------|----------------------------|-----------|--------------------|-----------|-----------|
| Client:            | CDM Smith                  |           | Date Collected:    | 05/24/25  |           |
| Project:           | South River WM Replacement |           | Date Received:     | 05/24/25  |           |
| Client Sample ID:  | PIBLK-PS030408.D           |           | SDG No.:           | Q2100     |           |
| Lab Sample ID:     | I.BLK-PS030408.D           |           | Matrix:            | WATER     |           |
| Analytical Method: | 8151A                      |           | % Solid:           | 0         | Decanted: |
| Sample Wt/Vol:     | 1000                       | Units: mL | Final Vol:         | 10000     | uL        |
| Soil Aliquot Vol:  |                            | uL        | Test:              | Herbicide |           |
| Extraction Type:   |                            |           | Injection Volume : |           |           |
| GPC Factor :       | 1.0                        | PH :      |                    |           |           |
| Prep Method :      | SW3510C                    |           |                    |           |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030408.D        | 1         |           | 05/24/25      | ps052325      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 535   |           | 39 - 175 | 107%       | SPK: 500 |

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/29/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/29/25  |
| Client Sample ID:  | PIBLK-PS030426.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030426.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030426.D        | 1         |           | 05/29/25      | ps052925      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 488   |           | 39 - 175 | 98%        | SPK: 500 |

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## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/29/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/29/25  |
| Client Sample ID:  | PIBLK-PS030433.D           | SDG No.:           | Q2100     |
| Lab Sample ID:     | I.BLK-PS030433.D           | Matrix:            | WATER     |
| Analytical Method: | 8151A                      | % Solid:           | 0         |
| Sample Wt/Vol:     | 1000                       | Units:             | mL        |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | PH :               |           |
| Prep Method :      | SW3510C                    | Injection Volume : |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PS030433.D        | 1         |           | 05/29/25      | ps052925      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|-------------------|-------------------|-------|-----------|----------|------------|----------|
| <b>TARGETS</b>    |                   |       |           |          |            |          |
| 1918-00-9         | DICAMBA           | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 120-36-5          | DICHLORPROP       | 0.76  | U         | 0.76     | 2.00       | ug/L     |
| 94-75-7           | 2,4-D             | 0.92  | U         | 0.92     | 2.00       | ug/L     |
| 93-72-1           | 2,4,5-TP (Silvex) | 0.78  | U         | 0.78     | 2.00       | ug/L     |
| 93-76-5           | 2,4,5-T           | 0.71  | U         | 0.71     | 2.00       | ug/L     |
| 94-82-6           | 2,4-DB            | 0.65  | U         | 0.65     | 2.00       | ug/L     |
| 88-85-7           | DINOSEB           | 0.89  | U         | 0.89     | 2.00       | ug/L     |
| <b>SURROGATES</b> |                   |       |           |          |            |          |
| 19719-28-9        | 2,4-DCAA          | 499   |           | 39 - 175 | 100%       | SPK: 500 |

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## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    |           |
| Project:           | South River WM Replacement | Date Received:     |           |
| Client Sample ID:  | PB168137BS                 | SDG No.:           | Q2100     |
| Lab Sample ID:     | PB168137BS                 | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 100       |
| Sample Wt/Vol:     | 30.02                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | Injection Volume : |           |
| Prep Method :      | 8151A                      |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030382.D        | 1         | 05/23/25 08:25 | 05/23/25 16:52 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 150   |           | 7.70     | 67.0       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 175   |           | 12.8     | 67.0       | ug/Kg             |
| 94-75-7           | 2,4-D             | 183   |           | 9.00     | 67.0       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 168   |           | 9.10     | 67.0       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 165   |           | 8.70     | 67.0       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 177   |           | 24.2     | 67.0       | ug/Kg             |
| 88-85-7           | DINOSEB           | 148   |           | 10.8     | 67.0       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 510   |           | 10 - 141 | 102%       | SPK: 500          |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/20/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25  |
| Client Sample ID:  | TP-21MS                    | SDG No.:           | Q2100     |
| Lab Sample ID:     | Q2100-03MS                 | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 78.2      |
| Sample Wt/Vol:     | 30.01                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | Injection Volume : |           |
| Prep Method :      | 8151A                      |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030429.D        | 1         | 05/23/25 08:25 | 05/29/25 14:19 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 117   |           | 9.90     | 85.6       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 123   |           | 16.4     | 85.6       | ug/Kg             |
| 94-75-7           | 2,4-D             | 154   |           | 11.6     | 85.6       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 123   |           | 11.6     | 85.6       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 122   |           | 11.1     | 85.6       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 156   |           | 30.9     | 85.6       | ug/Kg             |
| 88-85-7           | DINOSEB           | 20.6  | J         | 13.8     | 85.6       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 282   |           | 10 - 141 | 56%        | 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

## Report of Analysis

|                    |                            |                    |           |
|--------------------|----------------------------|--------------------|-----------|
| Client:            | CDM Smith                  | Date Collected:    | 05/20/25  |
| Project:           | South River WM Replacement | Date Received:     | 05/20/25  |
| Client Sample ID:  | TP-21MSD                   | SDG No.:           | Q2100     |
| Lab Sample ID:     | Q2100-03MSD                | Matrix:            | SOIL      |
| Analytical Method: | 8151A                      | % Solid:           | 78.2      |
| Sample Wt/Vol:     | 30.08                      | Units:             | g         |
| Soil Aliquot Vol:  |                            |                    | uL        |
| Extraction Type:   |                            | Test:              | Herbicide |
| GPC Factor :       | 1.0                        | Injection Volume : |           |
| Prep Method :      | 8151A                      |                    |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PS030430.D        | 1         | 05/23/25 08:25 | 05/29/25 14:44 | PB168137      |

| CAS Number        | Parameter         | Conc. | Qualifier | MDL      | LOQ / CRQL | Units(Dry Weight) |
|-------------------|-------------------|-------|-----------|----------|------------|-------------------|
| <b>TARGETS</b>    |                   |       |           |          |            |                   |
| 1918-00-9         | DICAMBA           | 121   |           | 9.90     | 85.4       | ug/Kg             |
| 120-36-5          | DICHLORPROP       | 128   |           | 16.3     | 85.4       | ug/Kg             |
| 94-75-7           | 2,4-D             | 146   |           | 11.5     | 85.4       | ug/Kg             |
| 93-72-1           | 2,4,5-TP (Silvex) | 129   |           | 11.6     | 85.4       | ug/Kg             |
| 93-76-5           | 2,4,5-T           | 127   |           | 11.1     | 85.4       | ug/Kg             |
| 94-82-6           | 2,4-DB            | 158   |           | 30.9     | 85.4       | ug/Kg             |
| 88-85-7           | DINOSEB           | 20.6  | J         | 13.8     | 85.4       | ug/Kg             |
| <b>SURROGATES</b> |                   |       |           |          |            |                   |
| 19719-28-9        | 2,4-DCAA          | 293   |           | 10 - 141 | 59%        | 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



# CALIBRATION SUMMARY

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L

**Calibration Times:**                      12:30                      14:06

|              |          |                   |           |                   |
|--------------|----------|-------------------|-----------|-------------------|
| 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]

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L

**Calibration Times:**                      12:30                      14:06

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

[illegible]

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100 **SDG NO.:** Q2100

**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-T                           | 19806400000 | 16697600000                        | 15922400000 | 15360700000                        | 14788800000 | 16515200000 | 12    |
| 2,4,5-TP(Silvex)                  | 19321200000 | 16303400000                        | 15619800000 | 15128700000                        | 14606800000 | 16196000000 | 11    |
| 2,4-D                             | 4048870000  | 3291910000                         | 3113030000  | 3014870000                         | 2926010000  | 3278940000  | 14    |
| 2,4-DB                            | 2822620000  | 2567110000                         | 2564340000  | 2542470000                         | 2552320000  | 2609770000  | 5     |
| 2,4-DCAA                          | 3540840000  | 2868830000                         | 2702520000  | 2609290000                         | 2517560000  | 2847810000  | 14    |
| DICAMBA                           | 13660900000 | 11601800000                        | 11140600000 | 10847100000                        | 10536400000 | 11557400000 | 11    |
| DICHLORPROP                       | 3626670000  | 2931320000                         | 2773470000  | 2680380000                         | 2594880000  | 2921340000  | 14    |
| Dinoseb                           | 13788600000 | 11497400000                        | 10989000000 | 10638600000                        | 10268200000 | 11436400000 | 12    |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** CAMP02

**Lab Code:** CHEM **Case No.:** Q2100 **SAS No.:** Q2100 **SDG NO.:** Q2100

**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>               |             | <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-T                           | 10274700000 | 9232570000                         | 9042300000 | 8854580000                         | 8613880000 | 9203610000 | 7     |
| 2,4,5-TP(Silvex)                  | 10913400000 | 9868000000                         | 9697110000 | 9517670000                         | 9255920000 | 9850430000 | 6     |
| 2,4-D                             | 1480680000  | 1290430000                         | 1248060000 | 1225910000                         | 1207420000 | 1290500000 | 9     |
| 2,4-DB                            | 1268930000  | 952436000                          | 948485000  | 881256000                          | 910753000  | 992372000  | 16    |
| 2,4-DCAA                          | 922885000   | 799420000                          | 773490000  | 758361000                          | 746863000  | 800204000  | 9     |
| DICAMBA                           | 5034950000  | 4673810000                         | 4651340000 | 4635790000                         | 4643990000 | 4727980000 | 4     |
| DICHLORPROP                       | 1388930000  | 1177530000                         | 1140920000 | 1112240000                         | 1087540000 | 1181430000 | 10    |
| Dinoseb                           | 7723880000  | 6842530000                         | 6670660000 | 6540750000                         | 6382090000 | 6831980000 | 8     |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

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

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.10       | 7.11      | 7.01      | 7.21  | 0.01       |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83      | 7.03  | 0.00       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69      | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91      | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75      | 8.95  | 0.01       |
| 2,4,5-T          | 9.13       | 9.13      | 9.03      | 9.23  | 0.00       |
| 2,4-DB           | 9.68       | 9.69      | 9.59      | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75     | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

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

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

| COMPOUND         | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|------------------|------------|-----------|-----------|-------|------------|
|                  |            |           | FROM      | TO    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.51       | 9.52      | 9.42      | 9.62  | 0.01       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL01 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030380.D Time Analyzed: 14:15

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.125  | 9.033     | 9.233  | 713.390            | 712.500           | 0.1  |
| 2,4,5-TP(Silvex) | 8.842  | 8.750     | 8.950  | 723.370            | 712.500           | 1.5  |
| 2,4-D            | 8.003  | 7.910     | 8.110  | 698.890            | 705.000           | -0.9 |
| 2,4-DB           | 9.681  | 9.589     | 9.789  | 744.800            | 712.500           | 4.5  |
| 2,4-DCAA         | 6.927  | 6.834     | 7.034  | 742.820            | 750.000           | -1.0 |
| DICAMBA          | 7.103  | 7.010     | 7.210  | 713.160            | 705.000           | 1.2  |
| DICHLORPROP      | 7.783  | 7.689     | 7.889  | 697.750            | 705.000           | -1.0 |
| Dinoseb          | 10.841 | 10.751    | 10.951 | 680.110            | 705.000           | -3.5 |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL01 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030380.D Time Analyzed: 14:15

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                  |        | FROM      | TO     |                    |                   |       |
| 2,4,5-T          | 9.912  | 9.826     | 10.026 | 716.230            | 712.500           | 0.5   |
| 2,4,5-TP(Silvex) | 9.509  | 9.423     | 9.623  | 725.180            | 712.500           | 1.8   |
| 2,4-D            | 8.632  | 8.544     | 8.744  | 701.140            | 705.000           | -0.5  |
| 2,4-DB           | 10.470 | 10.385    | 10.585 | 611.550            | 712.500           | -14.2 |
| 2,4-DCAA         | 7.444  | 7.354     | 7.554  | 729.960            | 750.000           | -2.7  |
| DICAMBA          | 7.629  | 7.539     | 7.739  | 715.670            | 705.000           | 1.5   |
| DICHLORPROP      | 8.320  | 8.232     | 8.432  | 682.800            | 705.000           | -3.1  |
| Dinoseb          | 10.844 | 10.758    | 10.958 | 691.900            | 705.000           | -1.9  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:52 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<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.10       | 7.11      | 7.01                   | 7.21  | 0.01       |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83                   | 7.03  | 0.00       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69                   | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91                   | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75                   | 8.95  | 0.01       |
| 2,4,5-T          | 9.12       | 9.13      | 9.03                   | 9.23  | 0.01       |
| 2,4-DB           | 9.68       | 9.69      | 9.59                   | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75                  | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:52 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    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.51       | 9.52      | 9.42      | 9.62  | 0.01       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL02 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030392.D Time Analyzed: 20:52

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.124  | 9.033     | 9.233  | 747.780            | 712.500           | 5.0  |
| 2,4,5-TP(Silvex) | 8.842  | 8.750     | 8.950  | 749.620            | 712.500           | 5.2  |
| 2,4-D            | 8.003  | 7.910     | 8.110  | 727.740            | 705.000           | 3.2  |
| 2,4-DB           | 9.682  | 9.589     | 9.789  | 792.870            | 712.500           | 11.3 |
| 2,4-DCAA         | 6.927  | 6.834     | 7.034  | 768.250            | 750.000           | 2.4  |
| DICAMBA          | 7.104  | 7.010     | 7.210  | 732.110            | 705.000           | 3.8  |
| DICHLORPROP      | 7.782  | 7.689     | 7.889  | 723.740            | 705.000           | 2.7  |
| Dinoseb          | 10.841 | 10.751    | 10.951 | 725.530            | 705.000           | 2.9  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL02 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030392.D Time Analyzed: 20:52

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.912  | 9.826     | 10.026 | 745.910            | 712.500           | 4.7  |
| 2,4,5-TP(Silvex) | 9.509  | 9.423     | 9.623  | 752.180            | 712.500           | 5.6  |
| 2,4-D            | 8.632  | 8.544     | 8.744  | 732.820            | 705.000           | 3.9  |
| 2,4-DB           | 10.469 | 10.385    | 10.585 | 645.150            | 712.500           | -9.5 |
| 2,4-DCAA         | 7.444  | 7.354     | 7.554  | 759.110            | 750.000           | 1.2  |
| DICAMBA          | 7.629  | 7.539     | 7.739  | 740.440            | 705.000           | 5.0  |
| DICHLORPROP      | 8.320  | 8.232     | 8.432  | 715.510            | 705.000           | 1.5  |
| Dinoseb          | 10.843 | 10.758    | 10.958 | 722.560            | 705.000           | 2.5  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/24/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:05 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<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.10       | 7.11      | 7.01                   | 7.21  | 0.01       |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83                   | 7.03  | 0.00       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69                   | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91                   | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75                   | 8.95  | 0.01       |
| 2,4,5-T          | 9.12       | 9.13      | 9.03                   | 9.23  | 0.01       |
| 2,4-DB           | 9.68       | 9.69      | 9.59                   | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75                  | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/24/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 02:05 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    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.51       | 9.52      | 9.42      | 9.62  | 0.01       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL03 Date Analyzed: 05/24/2025

Lab Sample No.: HSTDCCC750 Data File : PS030404.D Time Analyzed: 02:05

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.123  | 9.033     | 9.233  | 735.910            | 712.500           | 3.3  |
| 2,4,5-TP(Silvex) | 8.841  | 8.750     | 8.950  | 735.680            | 712.500           | 3.3  |
| 2,4-D            | 8.001  | 7.910     | 8.110  | 721.420            | 705.000           | 2.3  |
| 2,4-DB           | 9.680  | 9.589     | 9.789  | 785.390            | 712.500           | 10.2 |
| 2,4-DCAA         | 6.926  | 6.834     | 7.034  | 761.020            | 750.000           | 1.5  |
| DICAMBA          | 7.102  | 7.010     | 7.210  | 727.020            | 705.000           | 3.1  |
| DICHLORPROP      | 7.782  | 7.689     | 7.889  | 716.650            | 705.000           | 1.7  |
| Dinoseb          | 10.841 | 10.751    | 10.951 | 709.780            | 705.000           | 0.7  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL03 Date Analyzed: 05/24/2025

Lab Sample No.: HSTDCCC750 Data File : PS030404.D Time Analyzed: 02:05

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 9.911  | 9.826                | 10.026 | 744.760            | 712.500           | 4.5  |
| 2,4,5-TP(Silvex) | 9.508  | 9.423                | 9.623  | 749.740            | 712.500           | 5.2  |
| 2,4-D            | 8.631  | 8.544                | 8.744  | 731.630            | 705.000           | 3.8  |
| 2,4-DB           | 10.468 | 10.385               | 10.585 | 644.010            | 712.500           | -9.6 |
| 2,4-DCAA         | 7.443  | 7.354                | 7.554  | 759.720            | 750.000           | 1.3  |
| DICAMBA          | 7.628  | 7.539                | 7.739  | 741.390            | 705.000           | 5.2  |
| DICHLORPROP      | 8.319  | 8.232                | 8.432  | 714.060            | 705.000           | 1.3  |
| Dinoseb          | 10.842 | 10.758               | 10.958 | 723.800            | 705.000           | 2.7  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/24/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 04:30 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<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.10       | 7.11      | 7.01                   | 7.21  | 0.01       |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83                   | 7.03  | 0.00       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69                   | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91                   | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75                   | 8.95  | 0.01       |
| 2,4,5-T          | 9.12       | 9.13      | 9.03                   | 9.23  | 0.01       |
| 2,4-DB           | 9.68       | 9.69      | 9.59                   | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75                  | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/24/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 04:30 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    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.51       | 9.52      | 9.42      | 9.62  | 0.01       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL04 Date Analyzed: 05/24/2025

Lab Sample No.: HSTDCCC750 Data File : PS030409.D Time Analyzed: 04:30

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.124  | 9.033     | 9.233  | 744.740            | 712.500           | 4.5  |
| 2,4,5-TP(Silvex) | 8.841  | 8.750     | 8.950  | 744.430            | 712.500           | 4.5  |
| 2,4-D            | 8.002  | 7.910     | 8.110  | 724.030            | 705.000           | 2.7  |
| 2,4-DB           | 9.681  | 9.589     | 9.789  | 787.600            | 712.500           | 10.5 |
| 2,4-DCAA         | 6.926  | 6.834     | 7.034  | 765.020            | 750.000           | 2.0  |
| DICAMBA          | 7.102  | 7.010     | 7.210  | 728.470            | 705.000           | 3.3  |
| DICHLORPROP      | 7.782  | 7.689     | 7.889  | 719.810            | 705.000           | 2.1  |
| Dinoseb          | 10.840 | 10.751    | 10.951 | 722.330            | 705.000           | 2.5  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL04 Date Analyzed: 05/24/2025

Lab Sample No.: HSTDCCC750 Data File : PS030409.D Time Analyzed: 04:30

| COMPOUND         | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|----------------------|--------|--------------------|-------------------|------|
| 2,4,5-T          | 9.912  | 9.826                | 10.026 | 744.630            | 712.500           | 4.5  |
| 2,4,5-TP(Silvex) | 9.508  | 9.423                | 9.623  | 752.190            | 712.500           | 5.6  |
| 2,4-D            | 8.631  | 8.544                | 8.744  | 730.500            | 705.000           | 3.6  |
| 2,4-DB           | 10.468 | 10.385               | 10.585 | 648.610            | 712.500           | -9.0 |
| 2,4-DCAA         | 7.443  | 7.354                | 7.554  | 755.690            | 750.000           | 0.8  |
| DICAMBA          | 7.628  | 7.539                | 7.739  | 738.590            | 705.000           | 4.8  |
| DICHLORPROP      | 8.319  | 8.232                | 8.432  | 717.680            | 705.000           | 1.8  |
| Dinoseb          | 10.842 | 10.758               | 10.958 | 726.080            | 705.000           | 3.0  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/29/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 09:29 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<br>FROM   TO |       | DIFF<br>RT |
|------------------|------------|-----------|------------------------|-------|------------|
| DICAMBA          | 7.10       | 7.11      | 7.01                   | 7.21  | 0.01       |
| 2,4-DCAA         | 6.92       | 6.93      | 6.83                   | 7.03  | 0.01       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69                   | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91                   | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75                   | 8.95  | 0.01       |
| 2,4,5-T          | 9.12       | 9.13      | 9.03                   | 9.23  | 0.01       |
| 2,4-DB           | 9.68       | 9.69      | 9.59                   | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75                  | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

**Contract:** CAMP02

**Lab Code:** CHEM      **Case No.:** Q2100      **SAS No.:** Q2100      **SDG NO.:** Q2100

**Continuing Calib Date:** 05/29/2025      **Initial Calibration Date(s):** 05/12/2025      05/12/2025

**Continuing Calib Time:** 09:29      **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    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.50       | 9.52      | 9.42      | 9.62  | 0.02       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL05 Date Analyzed: 05/29/2025

Lab Sample No.: HSTDCCC750 Data File : PS030427.D Time Analyzed: 09:29

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.121  | 9.033     | 9.233  | 707.790            | 712.500           | -0.7 |
| 2,4,5-TP(Silvex) | 8.839  | 8.750     | 8.950  | 715.020            | 712.500           | 0.4  |
| 2,4-D            | 7.999  | 7.910     | 8.110  | 694.600            | 705.000           | -1.5 |
| 2,4-DB           | 9.678  | 9.589     | 9.789  | 753.420            | 712.500           | 5.7  |
| 2,4-DCAA         | 6.924  | 6.834     | 7.034  | 731.220            | 750.000           | -2.5 |
| DICAMBA          | 7.101  | 7.010     | 7.210  | 703.340            | 705.000           | -0.2 |
| DICHLORPROP      | 7.780  | 7.689     | 7.889  | 685.990            | 705.000           | -2.7 |
| Dinoseb          | 10.837 | 10.751    | 10.951 | 678.950            | 705.000           | -3.7 |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL05 Date Analyzed: 05/29/2025

Lab Sample No.: HSTDCCC750 Data File : PS030427.D Time Analyzed: 09:29

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                  |        | FROM      | TO     |                    |                   |       |
| 2,4,5-T          | 9.908  | 9.826     | 10.026 | 699.550            | 712.500           | -1.8  |
| 2,4,5-TP(Silvex) | 9.504  | 9.423     | 9.623  | 713.420            | 712.500           | 0.1   |
| 2,4-D            | 8.628  | 8.544     | 8.744  | 685.410            | 705.000           | -2.8  |
| 2,4-DB           | 10.465 | 10.385    | 10.585 | 622.520            | 712.500           | -12.6 |
| 2,4-DCAA         | 7.440  | 7.354     | 7.554  | 698.290            | 750.000           | -6.9  |
| DICAMBA          | 7.625  | 7.539     | 7.739  | 696.340            | 705.000           | -1.2  |
| DICHLORPROP      | 8.316  | 8.232     | 8.432  | 664.380            | 705.000           | -5.8  |
| Dinoseb          | 10.837 | 10.758    | 10.958 | 673.270            | 705.000           | -4.5  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/29/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 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    |            |
| DICAMBA          | 7.10       | 7.11      | 7.01      | 7.21  | 0.01       |
| 2,4-DCAA         | 6.93       | 6.93      | 6.83      | 7.03  | 0.00       |
| DICHLORPROP      | 7.78       | 7.79      | 7.69      | 7.89  | 0.01       |
| 2,4-D            | 8.00       | 8.01      | 7.91      | 8.11  | 0.01       |
| 2,4,5-TP(Silvex) | 8.84       | 8.85      | 8.75      | 8.95  | 0.01       |
| 2,4,5-T          | 9.12       | 9.13      | 9.03      | 9.23  | 0.01       |
| 2,4-DB           | 9.68       | 9.69      | 9.59      | 9.79  | 0.01       |
| Dinoseb          | 10.84      | 10.85     | 10.75     | 10.95 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/29/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:37 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    |            |
| DICAMBA          | 7.63       | 7.64      | 7.54      | 7.74  | 0.01       |
| 2,4-DCAA         | 7.44       | 7.45      | 7.35      | 7.55  | 0.01       |
| DICHLORPROP      | 8.32       | 8.33      | 8.23      | 8.43  | 0.01       |
| 2,4-D            | 8.63       | 8.64      | 8.54      | 8.74  | 0.01       |
| 2,4,5-TP(Silvex) | 9.51       | 9.52      | 9.42      | 9.62  | 0.01       |
| 2,4,5-T          | 9.91       | 9.93      | 9.83      | 10.03 | 0.02       |
| 2,4-DB           | 10.47      | 10.49     | 10.39     | 10.59 | 0.02       |
| Dinoseb          | 10.84      | 10.86     | 10.76     | 10.96 | 0.02       |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL06 Date Analyzed: 05/29/2025

Lab Sample No.: HSTDCCC750 Data File : PS030434.D Time Analyzed: 16:37

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|------------------|--------|-----------|--------|--------------------|-------------------|------|
|                  |        | FROM      | TO     |                    |                   |      |
| 2,4,5-T          | 9.122  | 9.033     | 9.233  | 726.650            | 712.500           | 2.0  |
| 2,4,5-TP(Silvex) | 8.840  | 8.750     | 8.950  | 730.580            | 712.500           | 2.5  |
| 2,4-D            | 8.000  | 7.910     | 8.110  | 706.920            | 705.000           | 0.3  |
| 2,4-DB           | 9.679  | 9.589     | 9.789  | 771.790            | 712.500           | 8.3  |
| 2,4-DCAA         | 6.925  | 6.834     | 7.034  | 742.200            | 750.000           | -1.0 |
| DICAMBA          | 7.101  | 7.010     | 7.210  | 713.300            | 705.000           | 1.2  |
| DICHLORPROP      | 7.780  | 7.689     | 7.889  | 699.930            | 705.000           | -0.7 |
| Dinoseb          | 10.839 | 10.751    | 10.951 | 707.390            | 705.000           | 0.3  |

### CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

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

Client Sample No.: CCAL06 Date Analyzed: 05/29/2025

Lab Sample No.: HSTDCCC750 Data File : PS030434.D Time Analyzed: 16:37

| COMPOUND         | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                  |        | FROM      | TO     |                    |                   |       |
| 2,4,5-T          | 9.908  | 9.826     | 10.026 | 711.790            | 712.500           | -0.1  |
| 2,4,5-TP(Silvex) | 9.505  | 9.423     | 9.623  | 722.010            | 712.500           | 1.3   |
| 2,4-D            | 8.629  | 8.544     | 8.744  | 695.450            | 705.000           | -1.4  |
| 2,4-DB           | 10.466 | 10.385    | 10.585 | 606.820            | 712.500           | -14.8 |
| 2,4-DCAA         | 7.442  | 7.354     | 7.554  | 710.890            | 750.000           | -5.2  |
| DICAMBA          | 7.626  | 7.539     | 7.739  | 702.680            | 705.000           | -0.3  |
| DICHLORPROP      | 8.317  | 8.232     | 8.432  | 672.940            | 705.000           | -4.5  |
| Dinoseb          | 10.839 | 10.758    | 10.958 | 704.100            | 705.000           | -0.1  |

## Analytical Sequence

|                                     |                                                                 |
|-------------------------------------|-----------------------------------------------------------------|
| Client: CDM Smith                   | SDG No.: Q2100                                                  |
| Project: South River WM Replacement | Instrument ID: ECD_S                                            |
| GC Column: RTX-CLP                  | ID: 0.32 (mm)    Inst. Calib. Date(s): 05/12/2025    05/12/2025 |

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCAA<br>RT # | RT # |
|-------------------|------------------|------------------|------------------|------------|--------------|------|
| IBLK              | IBLK             | 05/12/2025       | 12:06            | PS030124.D | 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             | 05/23/2025       | 13:51            | PS030379.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/23/2025       | 14:15            | PS030380.D | 6.93         | 0.00 |
| PB168137BL        | PB168137BL       | 05/23/2025       | 16:28            | PS030381.D | 6.93         | 0.00 |
| PB168137BS        | PB168137BS       | 05/23/2025       | 16:52            | PS030382.D | 6.93         | 0.00 |
| IBLK              | IBLK             | 05/23/2025       | 20:28            | PS030391.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/23/2025       | 20:52            | PS030392.D | 6.93         | 0.00 |
| TP-16             | Q2100-01         | 05/23/2025       | 23:41            | PS030398.D | 6.93         | 0.00 |
| TP-22             | Q2100-02         | 05/24/2025       | 00:05            | PS030399.D | 6.93         | 0.00 |
| TP-21             | Q2100-03         | 05/24/2025       | 00:29            | PS030400.D | 6.93         | 0.00 |
| IBLK              | IBLK             | 05/24/2025       | 01:41            | PS030403.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/24/2025       | 02:05            | PS030404.D | 6.93         | 0.00 |
| TP-45             | Q2100-04         | 05/24/2025       | 02:53            | PS030405.D | 6.93         | 0.00 |
| IBLK              | IBLK             | 05/24/2025       | 04:06            | PS030408.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/24/2025       | 04:30            | PS030409.D | 6.93         | 0.00 |
| IBLK              | IBLK             | 05/29/2025       | 09:05            | PS030426.D | 6.92         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/29/2025       | 09:29            | PS030427.D | 6.92         | 0.00 |
| TP-21MS           | Q2100-03MS       | 05/29/2025       | 14:19            | PS030429.D | 6.93         | 0.00 |
| TP-21MSD          | Q2100-03MSD      | 05/29/2025       | 14:44            | PS030430.D | 6.93         | 0.00 |
| IBLK              | IBLK             | 05/29/2025       | 16:13            | PS030433.D | 6.93         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/29/2025       | 16:37            | PS030434.D | 6.93         | 0.00 |

## Analytical Sequence

|                                            |                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------|
| <b>Client:</b> CDM Smith                   | <b>SDG No.:</b> Q2100                                                      |
| <b>Project:</b> South River WM Replacement | <b>Instrument ID:</b> ECD_S                                                |
| <b>GC Column:</b> RTX-CLP2                 | <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 | 7.45         | 0.00 |
| HSTDICC200        | HSTDICC200       | 05/12/2025       | 12:30            | PS030125.D | 7.45         | 0.00 |
| HSTDICC500        | HSTDICC500       | 05/12/2025       | 12:54            | PS030126.D | 7.45         | 0.00 |
| HSTDICC750        | HSTDICC750       | 05/12/2025       | 13:18            | PS030127.D | 7.45         | 0.00 |
| HSTDICC1000       | HSTDICC1000      | 05/12/2025       | 13:42            | PS030128.D | 7.45         | 0.00 |
| HSTDICC1500       | HSTDICC1500      | 05/12/2025       | 14:06            | PS030129.D | 7.45         | 0.00 |
| IBLK              | IBLK             | 05/23/2025       | 13:51            | PS030379.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/23/2025       | 14:15            | PS030380.D | 7.44         | 0.00 |
| PB168137BL        | PB168137BL       | 05/23/2025       | 16:28            | PS030381.D | 7.44         | 0.00 |
| PB168137BS        | PB168137BS       | 05/23/2025       | 16:52            | PS030382.D | 7.45         | 0.00 |
| IBLK              | IBLK             | 05/23/2025       | 20:28            | PS030391.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/23/2025       | 20:52            | PS030392.D | 7.44         | 0.00 |
| TP-16             | Q2100-01         | 05/23/2025       | 23:41            | PS030398.D | 7.44         | 0.00 |
| TP-22             | Q2100-02         | 05/24/2025       | 00:05            | PS030399.D | 7.44         | 0.00 |
| TP-21             | Q2100-03         | 05/24/2025       | 00:29            | PS030400.D | 7.44         | 0.00 |
| IBLK              | IBLK             | 05/24/2025       | 01:41            | PS030403.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/24/2025       | 02:05            | PS030404.D | 7.44         | 0.00 |
| TP-45             | Q2100-04         | 05/24/2025       | 02:53            | PS030405.D | 7.44         | 0.00 |
| IBLK              | IBLK             | 05/24/2025       | 04:06            | PS030408.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/24/2025       | 04:30            | PS030409.D | 7.44         | 0.00 |
| IBLK              | IBLK             | 05/29/2025       | 09:05            | PS030426.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/29/2025       | 09:29            | PS030427.D | 7.44         | 0.00 |
| TP-21MS           | Q2100-03MS       | 05/29/2025       | 14:19            | PS030429.D | 7.44         | 0.00 |
| TP-21MSD          | Q2100-03MSD      | 05/29/2025       | 14:44            | PS030430.D | 7.44         | 0.00 |
| IBLK              | IBLK             | 05/29/2025       | 16:13            | PS030433.D | 7.44         | 0.00 |
| HSTDCCC750        | HSTDCCC750       | 05/29/2025       | 16:37            | PS030434.D | 7.44         | 0.00 |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168137BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2100

SAS No.: Q2100

SDG NO.: Q2100

Lab Sample ID: PB168137BS

Date(s) Analyzed: 05/23/2025

05/23/2025

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    |               |      |
| DICHLORPROP      | 1   | 7.78  | 7.73      | 7.83  | 164           | 6.5  |
|                  | 2   | 8.32  | 8.27      | 8.37  | 175           |      |
| 2,4-D            | 1   | 8.00  | 7.95      | 8.05  | 183           | 6.8  |
|                  | 2   | 8.63  | 8.58      | 8.68  | 171           |      |
| 2,4,5-TP(Silvex) | 1   | 8.84  | 8.79      | 8.89  | 167           | 0.6  |
|                  | 2   | 9.51  | 9.46      | 9.56  | 168           |      |
| 2,4,5-T          | 1   | 9.13  | 9.08      | 9.18  | 165           | 5.6  |
|                  | 2   | 9.91  | 9.86      | 9.96  | 156           |      |
| 2,4-DB           | 1   | 9.68  | 9.63      | 9.73  | 177           | 27.7 |
|                  | 2   | 10.47 | 10.42     | 10.52 | 134           |      |
| Dinoseb          | 1   | 10.84 | 10.79     | 10.89 | 148           | 8.5  |
|                  | 2   | 10.84 | 10.79     | 10.89 | 136           |      |
| DICAMBA          | 1   | 7.10  | 7.05      | 7.15  | 148           | 1.3  |
|                  | 2   | 7.63  | 7.58      | 7.68  | 150           |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-21MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-03MS

Date(s) Analyzed: 05/29/2025 05/29/2025

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    |               |      |
| DICHLORPROP      | 1   | 7.78  | 7.73      | 7.83  | 123           | 3.3  |
|                  | 2   | 8.31  | 8.26      | 8.36  | 119           |      |
| 2,4-D            | 1   | 8.00  | 7.95      | 8.05  | 154           | 13.9 |
|                  | 2   | 8.63  | 8.58      | 8.68  | 134           |      |
| 2,4,5-TP(Silvex) | 1   | 8.84  | 8.79      | 8.89  | 120           | 2.5  |
|                  | 2   | 9.50  | 9.45      | 9.55  | 123           |      |
| 2,4,5-T          | 1   | 9.12  | 9.07      | 9.17  | 122           | 3.3  |
|                  | 2   | 9.91  | 9.86      | 9.96  | 118           |      |
| 2,4-DB           | 1   | 9.68  | 9.63      | 9.73  | 156           | 34.6 |
|                  | 2   | 10.46 | 10.41     | 10.51 | 110           |      |
| Dinoseb          | 1   | 10.84 | 10.79     | 10.89 | 20.4          | 1    |
|                  | 2   | 10.84 | 10.79     | 10.89 | 20.6          |      |
| DICAMBA          | 1   | 7.10  | 7.05      | 7.15  | 117           | 7.1  |
|                  | 2   | 7.62  | 7.57      | 7.67  | 109           |      |

### COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-21MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-03MSD

Date(s) Analyzed: 05/29/2025 05/29/2025

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    |               |      |
| DICHLORPROP      | 1   | 7.78  | 7.73      | 7.83  | 128           | 12.4 |
|                  | 2   | 8.32  | 8.27      | 8.37  | 113           |      |
| 2,4-D            | 1   | 8.00  | 7.95      | 8.05  | 146           | 5.6  |
|                  | 2   | 8.63  | 8.58      | 8.68  | 138           |      |
| 2,4,5-TP(Silvex) | 1   | 8.84  | 8.79      | 8.89  | 128           | 0.8  |
|                  | 2   | 9.50  | 9.45      | 9.55  | 129           |      |
| 2,4,5-T          | 1   | 9.12  | 9.07      | 9.17  | 127           | 3.2  |
|                  | 2   | 9.91  | 9.86      | 9.96  | 123           |      |
| 2,4-DB           | 1   | 9.68  | 9.63      | 9.73  | 158           | 31.5 |
|                  | 2   | 10.47 | 10.42     | 10.52 | 115           |      |
| Dinoseb          | 1   | 10.84 | 10.79     | 10.89 | 20.5          | 0.5  |
|                  | 2   | 10.84 | 10.79     | 10.89 | 20.6          |      |
| DICAMBA          | 1   | 7.10  | 7.05      | 7.15  | 121           | 5.1  |
|                  | 2   | 7.62  | 7.57      | 7.67  | 115           |      |



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
 Data File : PS030398.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 May 2025 23:41  
 Operator : AR\AJ  
 Sample : Q2100-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 TP-16

### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 05/27/2025  
 Supervised By : mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 24 01:54:41 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2  | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|---------|----------|----------|
| -----                       |       |       |          |         |          |          |
| System Monitoring Compounds |       |       |          |         |          |          |
| 4) S 2,4-DCAA               | 6.925 | 7.443 | 1023.6E6 | 257.6E6 | 359.442m | 321.899m |

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030398.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 May 2025 23:41  
Operator : AR\AJ  
Sample : Q2100-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

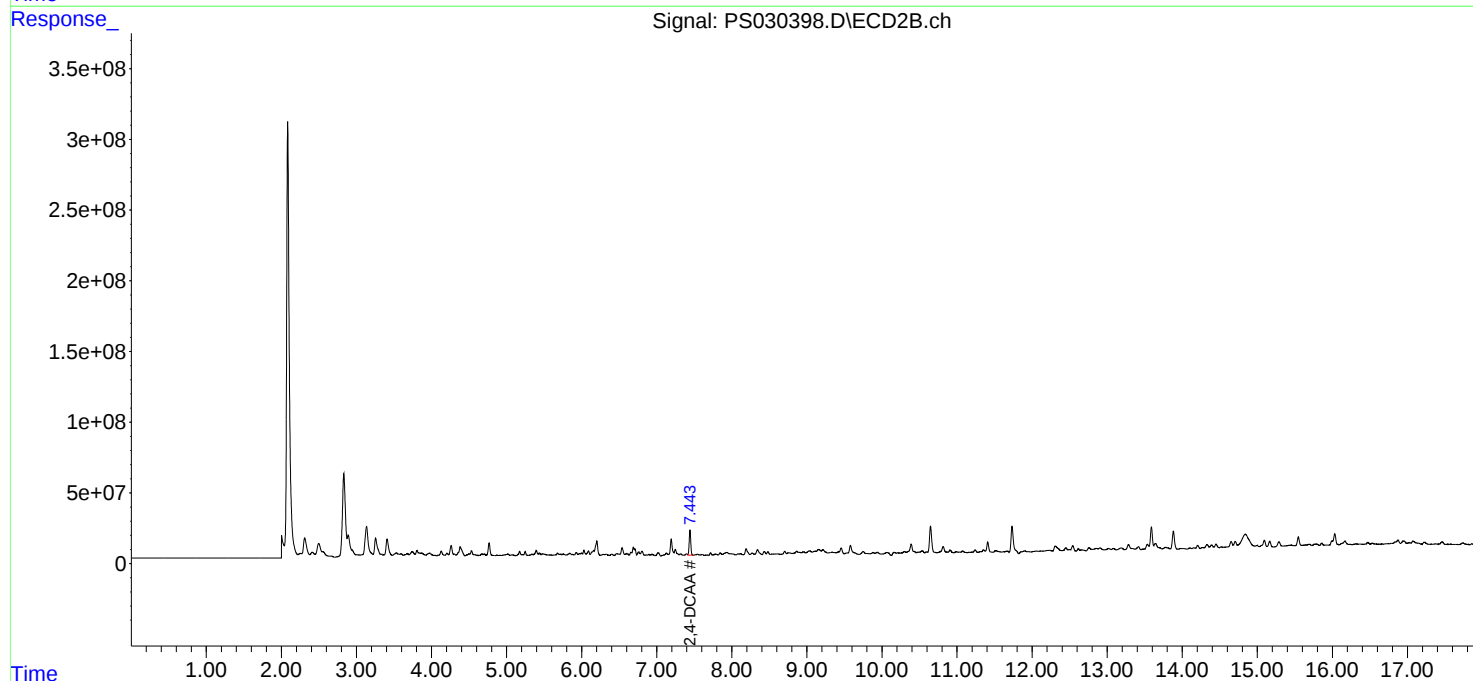
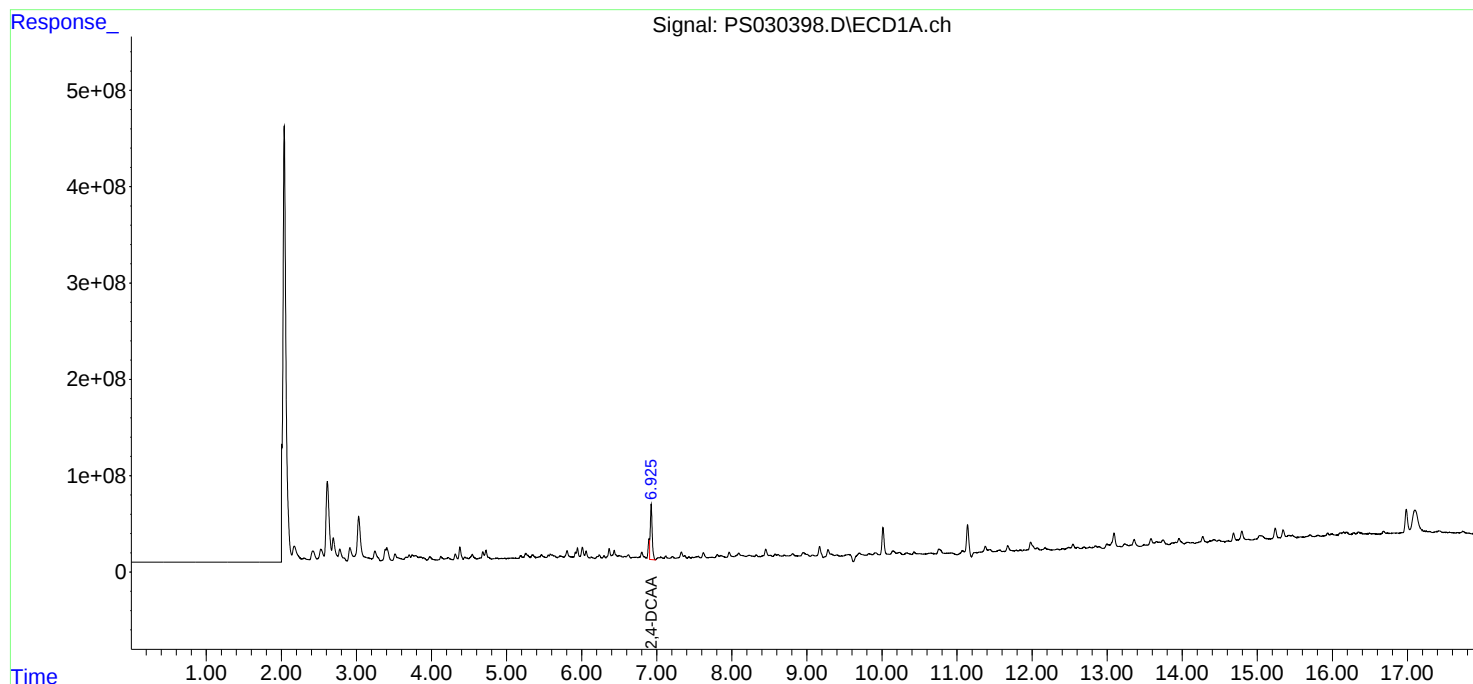
Instrument :  
ECD\_S  
ClientSampleId :  
TP-16

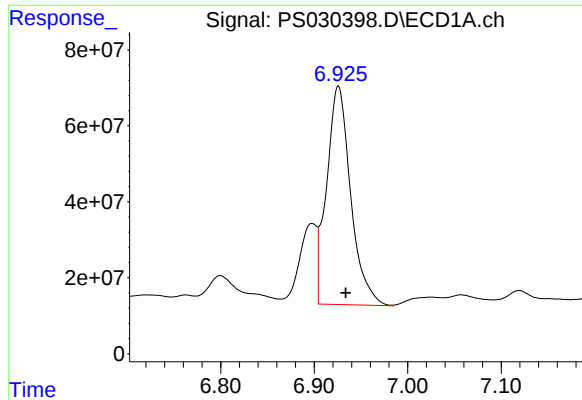
Manual Integrations  
**APPROVED**

Reviewed By : Abdul Mirza 05/27/2025  
Supervised By : mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 01:54:41 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





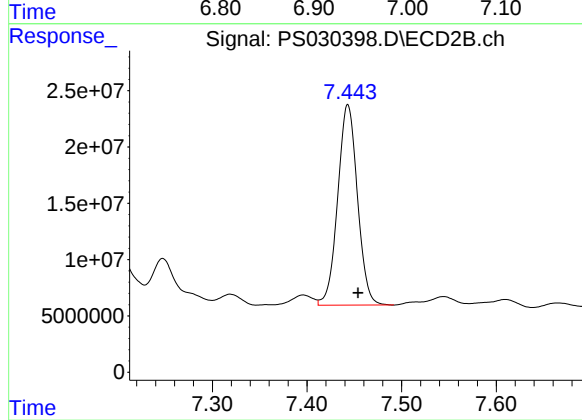
#4 2,4-DCAA

R.T.: 6.925 min  
Delta R.T.: -0.008 min  
Response: 1023622686  
Conc: 359.44 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
TP-16

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/27/2025  
Supervised By :mohammad ahmed 05/28/2025



#4 2,4-DCAA

R.T.: 7.443 min  
Delta R.T.: -0.011 min  
Response: 257584907  
Conc: 321.90 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
 Data File : PS030399.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 May 2025 00:05  
 Operator : AR\AJ  
 Sample : Q2100-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 TP-22

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 24 01:55:02 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               | 6.927 | 7.442 | 851.4E6 | 223.4E6 | 298.977 | 279.171 |

Target Compounds

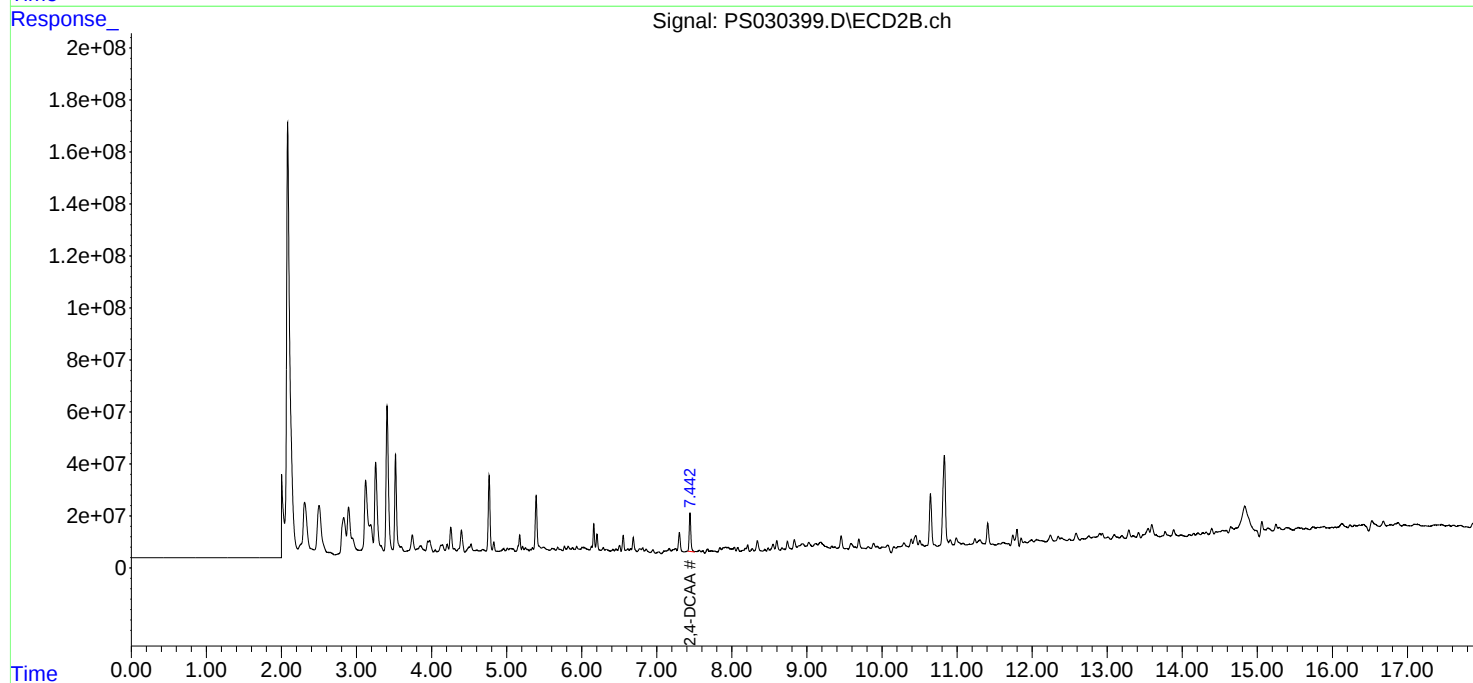
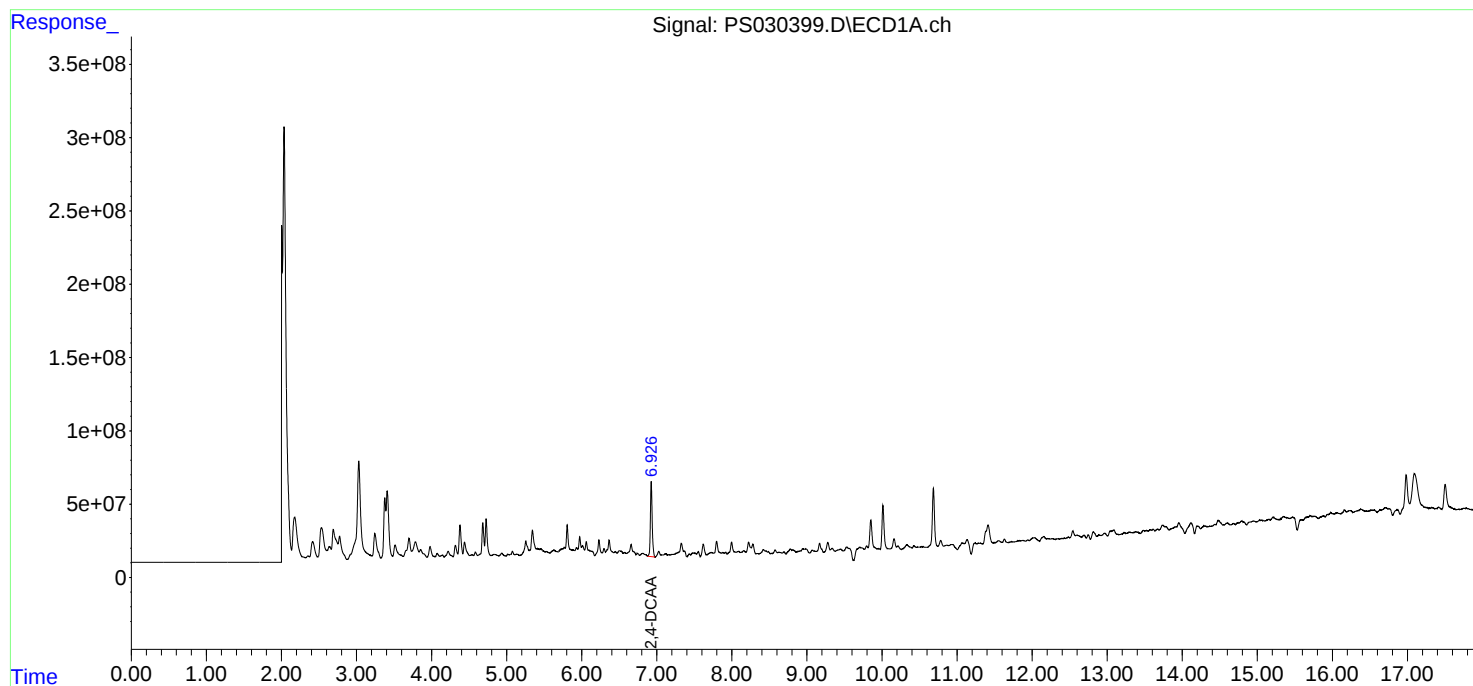
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030399.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2025 00:05  
Operator : AR\AJ  
Sample : Q2100-02  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
TP-22

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 01:55:02 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



Response\_

Signal: PS030399.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 6.927 min

Delta R.T.: -0.007 min

Response: 851428642

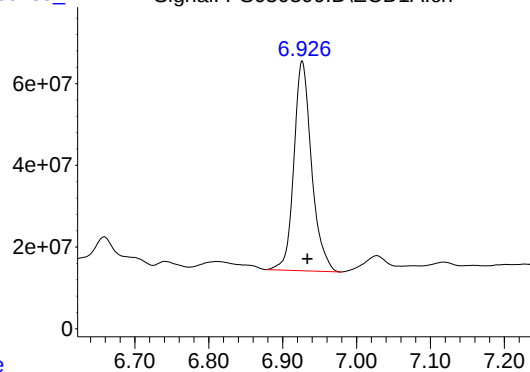
Conc: 298.98 ng/ml

Instrument :

ECD\_S

ClientSampleId :

TP-22



Time

Response

Signal: PS030399.D\ECD2B.ch

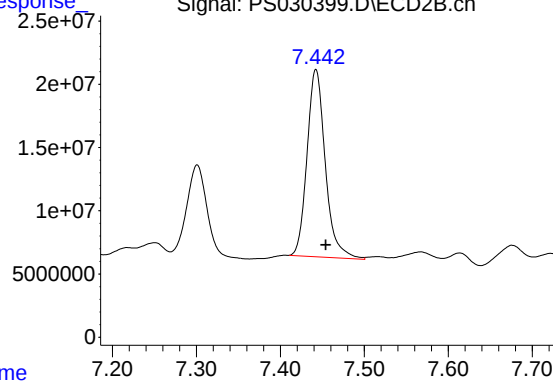
#4 2,4-DCAA

R.T.: 7.442 min

Delta R.T.: -0.012 min

Response: 223393413

Conc: 279.17 ng/ml



Time

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030400.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2025 00:29  
Operator : AR\AJ  
Sample : Q2100-03  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
TP-21

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 01:55:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1  | Resp#2  | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|---------|---------|---------|---------|
| -----                       |       |       |         |         |         |         |
| System Monitoring Compounds |       |       |         |         |         |         |
| 4) S 2,4-DCAA               | 6.927 | 7.443 | 718.7E6 | 187.1E6 | 252.386 | 233.775 |

Target Compounds  
-----

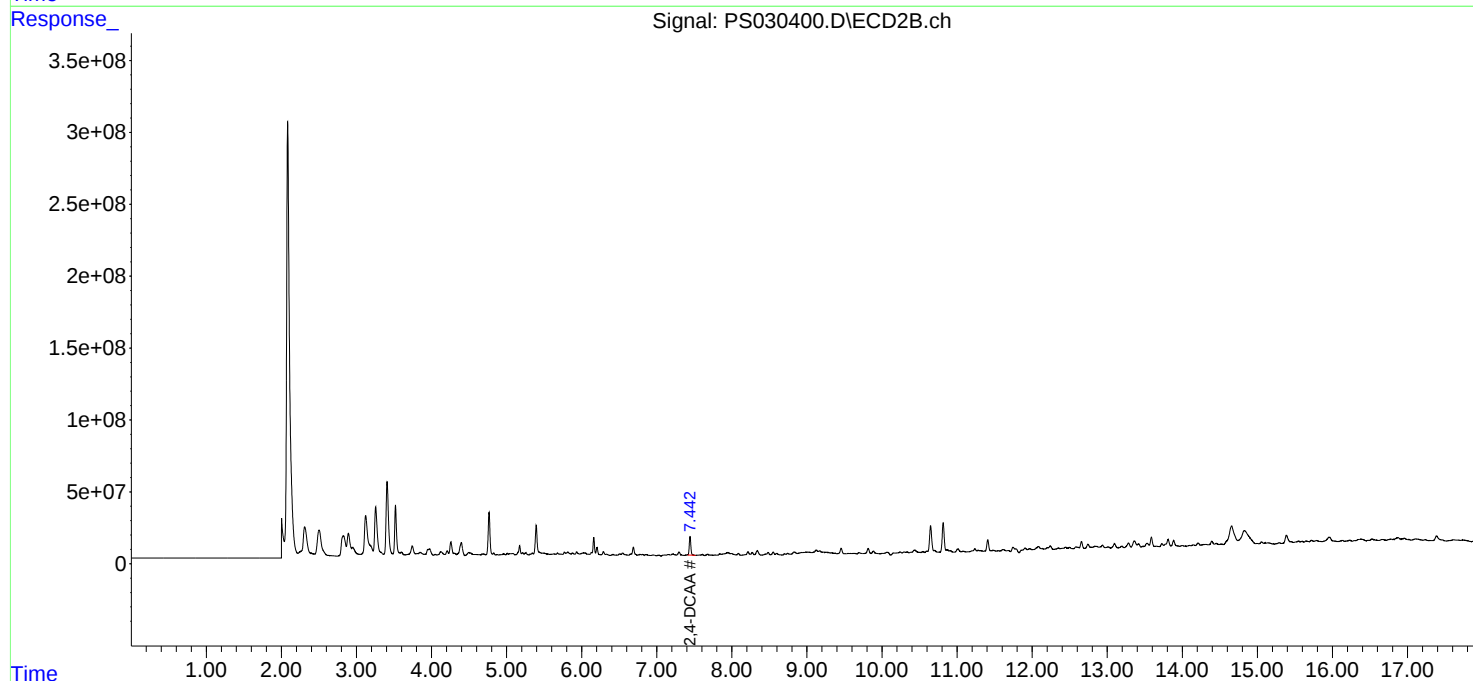
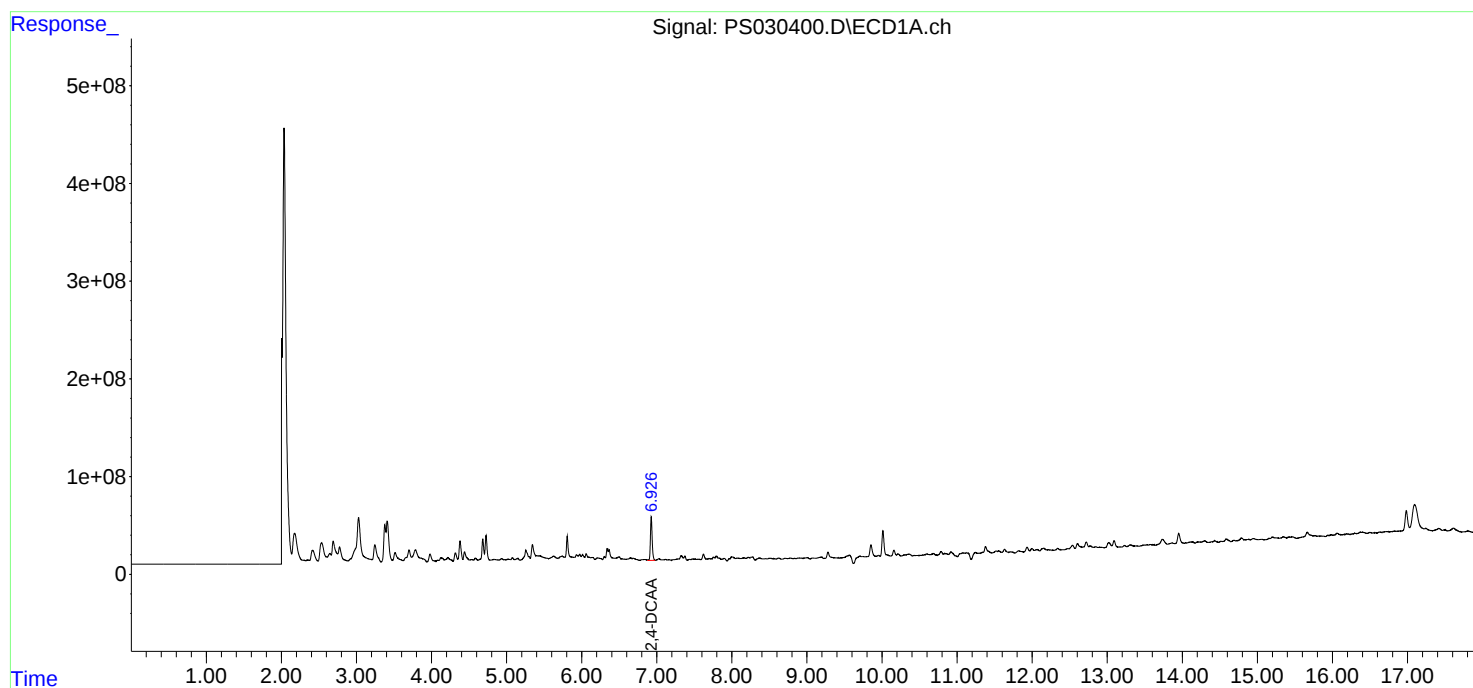
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030400.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2025 00:29  
Operator : AR\AJ  
Sample : Q2100-03  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
TP-21

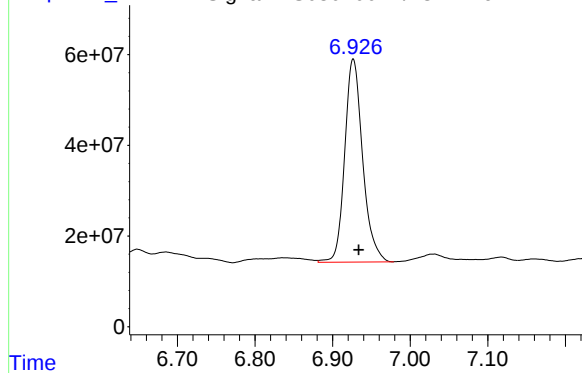
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 01:55:15 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Signal: PS030400.D\ECD1A.ch

#4 2,4-DCAA

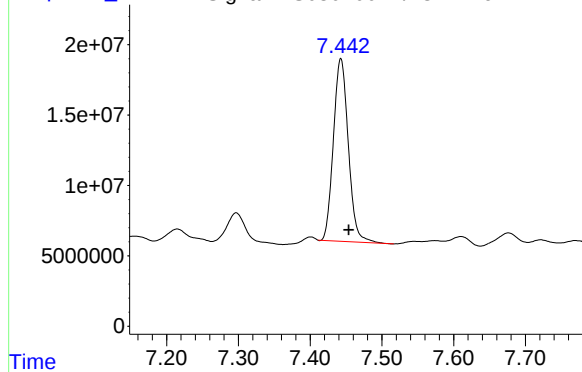


R.T.: 6.927 min  
Delta R.T.: -0.007 min  
Response: 718747131  
Conc: 252.39 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
TP-21

Signal: PS030400.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.443 min  
Delta R.T.: -0.011 min  
Response: 187067641  
Conc: 233.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030405.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2025 02:53  
Operator : AR\AJ  
Sample : Q2100-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
TP-45

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 04:34:56 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               | 6.927 | 7.442 | 796.5E6 | 203.3E6 | 279.675 | 254.020 |

Target Compounds

-----

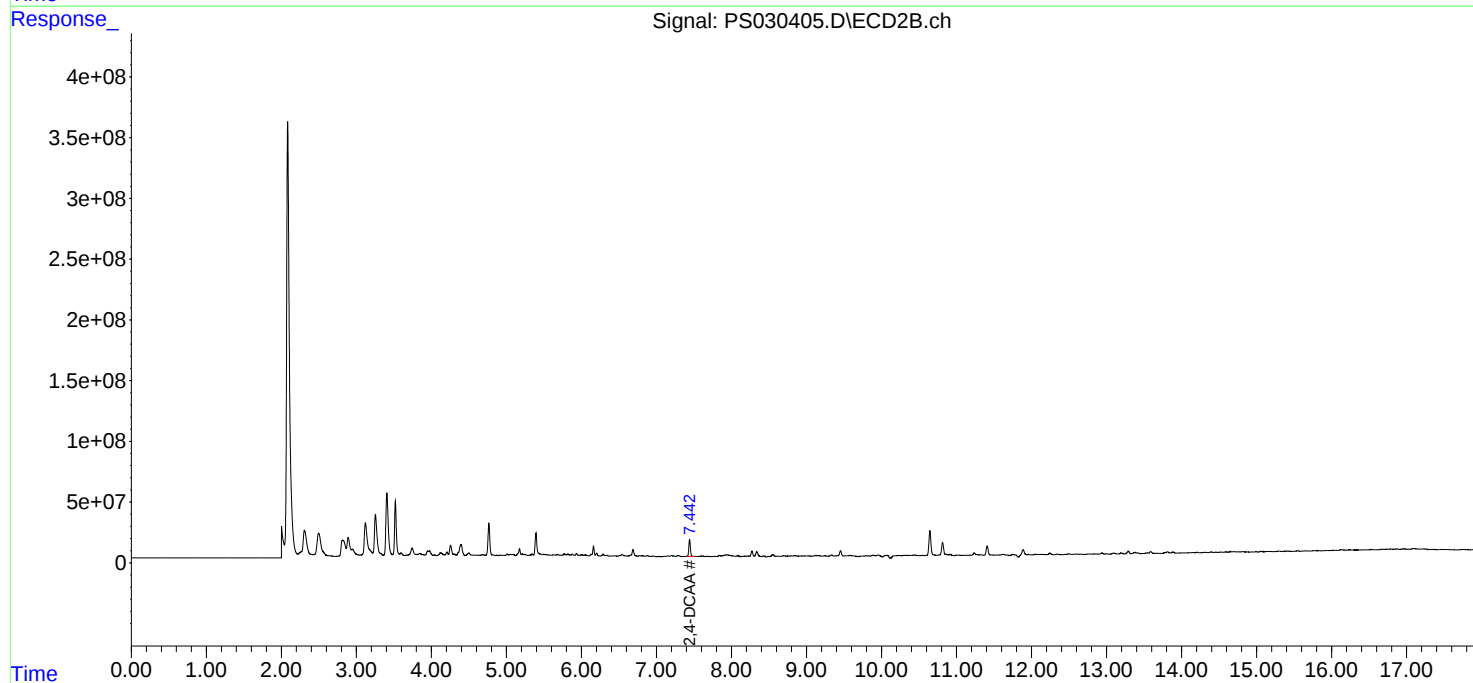
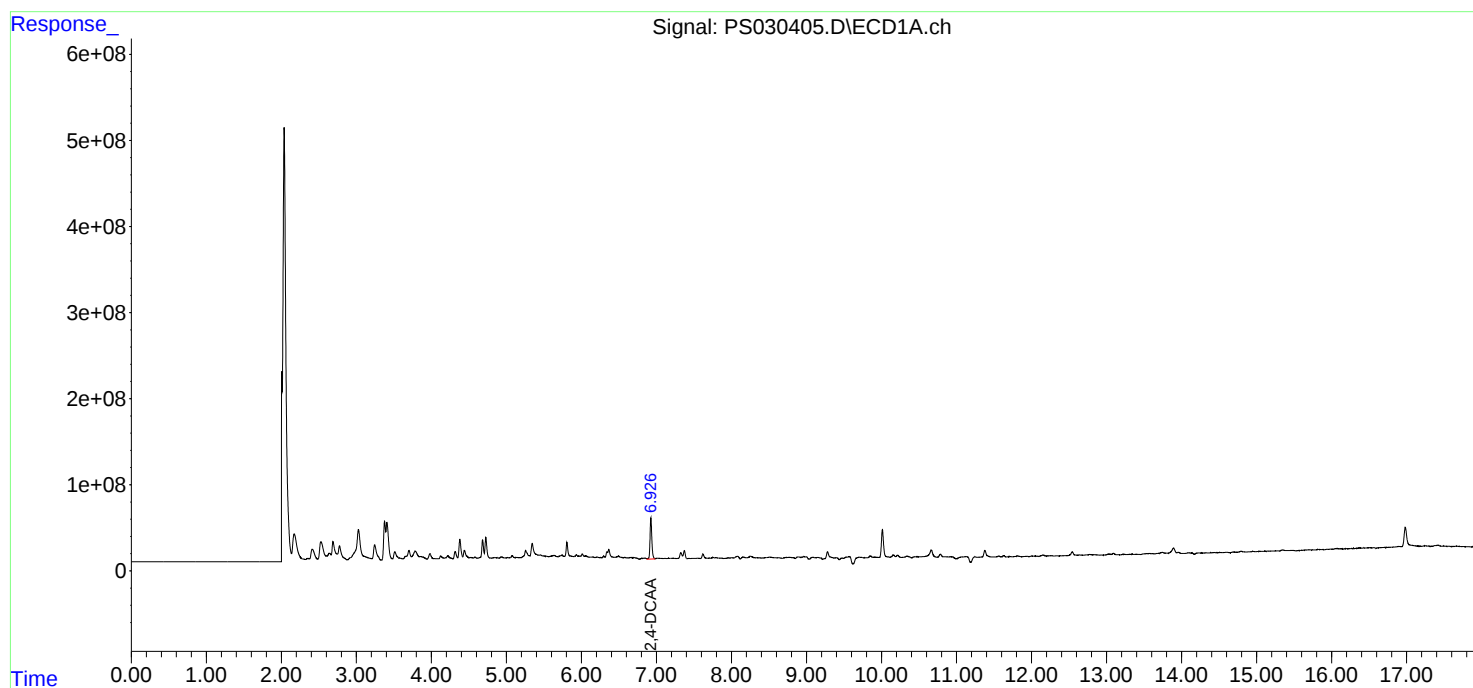
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030405.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 May 2025 02:53  
Operator : AR\AJ  
Sample : Q2100-04  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
TP-45

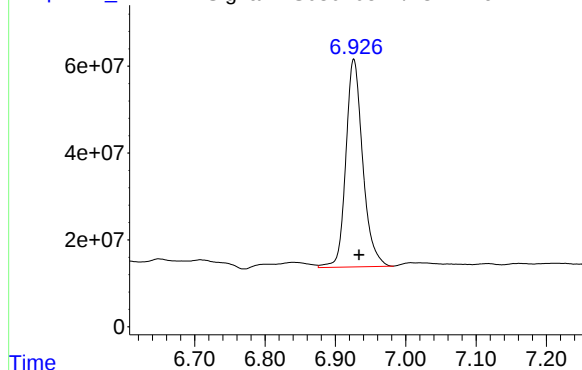
Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 24 04:34:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Signal: PS030405.D\ECD1A.ch

#4 2,4-DCAA

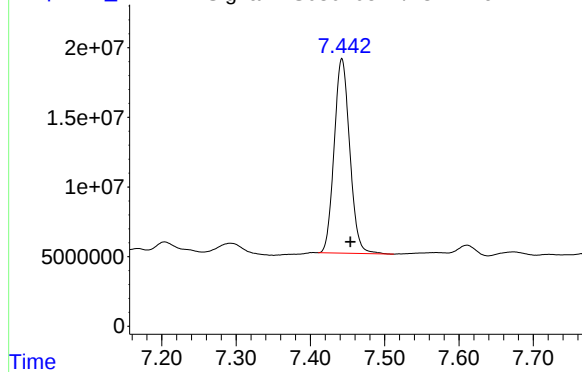


R.T.: 6.927 min  
Delta R.T.: -0.007 min  
Response: 796461582  
Conc: 279.68 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
TP-45

Signal: PS030405.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.442 min  
Delta R.T.: -0.011 min  
Response: 203267346  
Conc: 254.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
 Data File : PS030381.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 May 2025 16:28  
 Operator : AR\AJ  
 Sample : PB168137BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_S  
 ClientSampleId :  
 PB168137BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 23 22:33:28 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               | 6.928 | 7.444 | 1277.2E6 | 324.8E6 | 448.500 | 405.835 |

Target Compounds

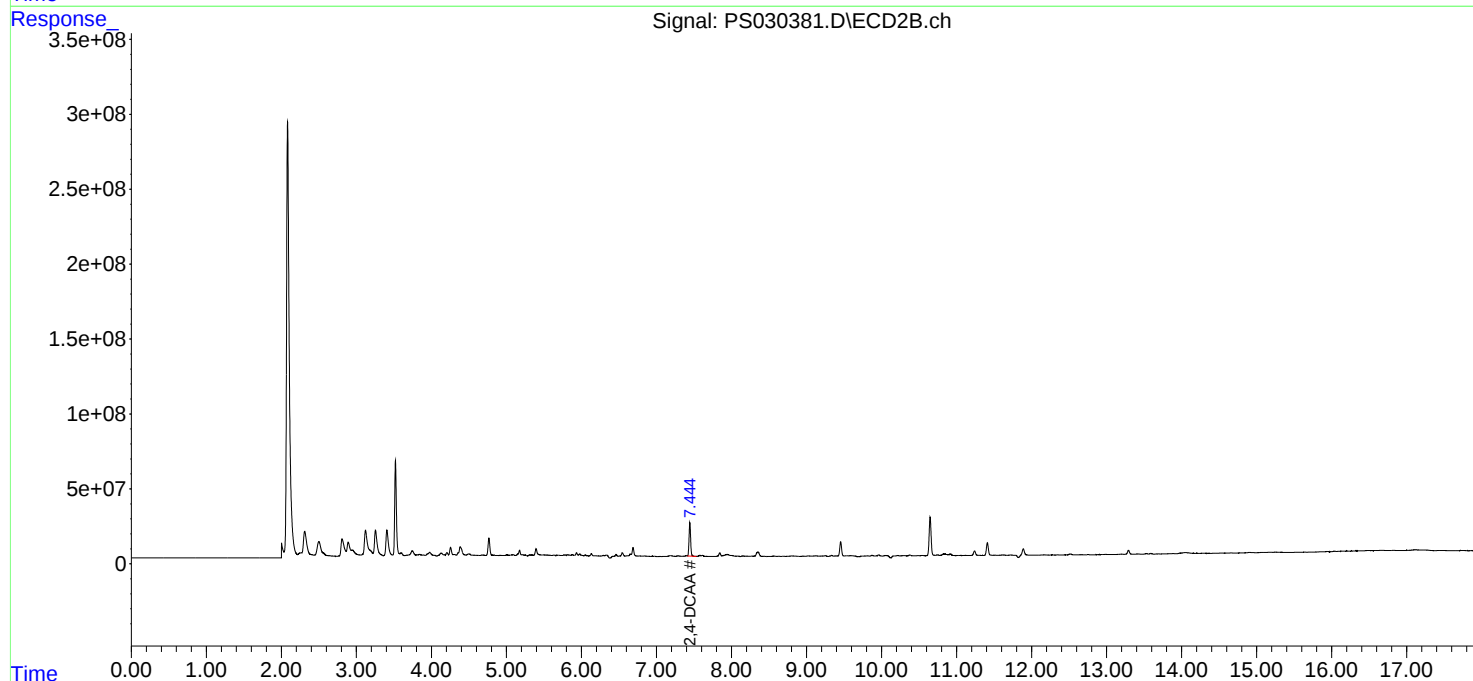
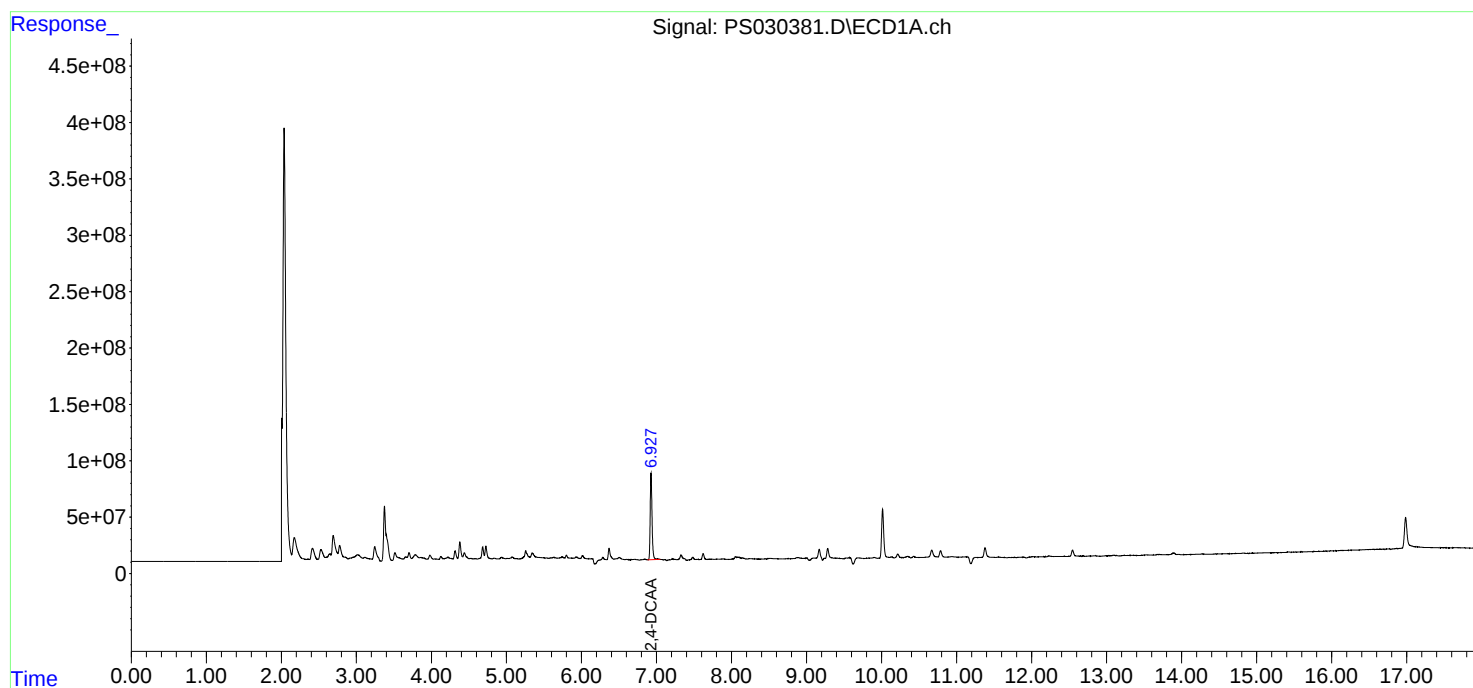
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

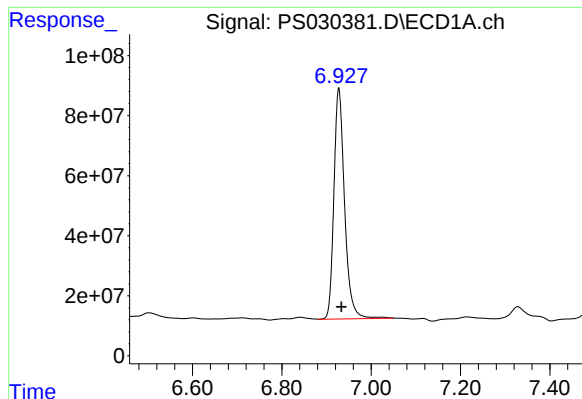
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030381.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 May 2025 16:28  
Operator : AR\AJ  
Sample : PB168137BL  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_S  
ClientSampleId :  
PB168137BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 23 22:33:28 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

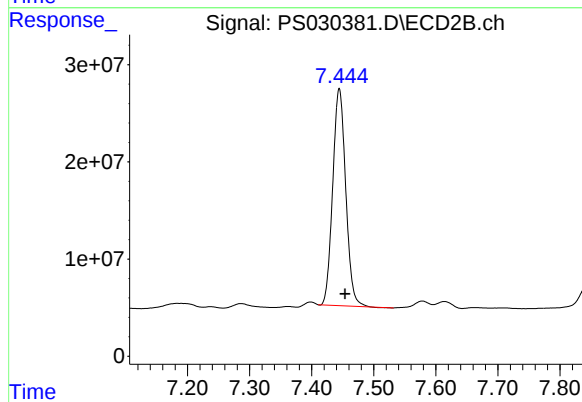




#4 2,4-DCAA

R.T.: 6.928 min  
Delta R.T.: -0.006 min  
Response: 1277241631  
Conc: 448.50 ng/ml

Instrument :  
ECD\_S  
ClientSampleId :  
PB168137BL



#4 2,4-DCAA

R.T.: 7.444 min  
Delta R.T.: -0.009 min  
Response: 324750788  
Conc: 405.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
 Data File : PS030382.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 May 2025 16:52  
 Operator : AR\AJ  
 Sample : PB168137BS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB168137BS

## Manual Integrations

## APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 23 22:33:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
 Quant Title : 8080.M  
 QLast Update : Mon May 12 14:29:24 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

|                             | Compound     | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml     |
|-----------------------------|--------------|--------|--------|-----------|-----------|---------|-----------|
| -----                       |              |        |        |           |           |         |           |
| System Monitoring Compounds |              |        |        |           |           |         |           |
| 4) S                        | 2,4-DCAA     | 6.928  | 7.445  | 1451.0E6  | 348.4E6   | 509.513 | 435.331   |
| Target Compounds            |              |        |        |           |           |         |           |
| 1) T                        | Dalapon      | 2.442  | 2.514  | 2136.5E6  | 1507.8E6  | 434.663 | 742.393 # |
| 2) T                        | 3,5-DICHL... | 6.133  | 6.446  | 2113.8E6  | 519.9E6   | 506.838 | 445.920   |
| 3) T                        | 4-Nitroph... | 6.718  | 6.980  | 875.5E6   | 401.4E6   | 423.842 | 384.489   |
| 5) T                        | DICAMBA      | 7.104  | 7.629  | 5133.4E6  | 2125.4E6  | 444.167 | 449.539   |
| 6) T                        | MCPD         | 7.282  | 7.737  | 321.3E6   | 70446839  | 44.112m | 38.291    |
| 7) T                        | MCPA         | 7.424  | 7.965  | 438.6E6   | 112.7E6   | 42.246  | 42.737    |
| 8) T                        | DICHLORPROP  | 7.783  | 8.321  | 1441.3E6  | 620.8E6   | 493.364 | 525.429   |
| 9) T                        | 2,4-D        | 8.003  | 8.633  | 1805.4E6  | 660.7E6   | 550.599 | 511.990   |
| 10) T                       | Pentachlo... | 8.280  | 9.132  | 21312.5E6 | 12267.0E6 | 526.224 | 496.943   |
| 11) T                       | 2,4,5-TP ... | 8.843  | 9.509  | 8115.6E6  | 4954.7E6  | 501.089 | 502.994   |
| 12) T                       | 2,4,5-T      | 9.125  | 9.913  | 8157.5E6  | 4320.5E6  | 493.937 | 469.437   |
| 13) T                       | 2,4-DB       | 9.683  | 10.470 | 1390.2E6  | 398.6E6   | 532.689 | 401.701m  |
| 14) T                       | DINOSEB      | 10.842 | 10.844 | 5066.7E6  | 2789.8E6  | 443.037 | 408.342   |
| 15) T                       | Picloram     | 10.663 | 11.876 | 8363.7E6  | 5941.6E6  | 391.064 | 422.193m  |
| 16) T                       | DCPA         | 11.144 | 11.874 | 9564.4E6  | 4948.9E6  | 480.348 | 366.302m  |
| -----                       |              |        |        |           |           |         |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052325\  
Data File : PS030382.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 May 2025 16:52  
Operator : AR\AJ  
Sample : PB168137BS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

PB168137BS

## Manual Integrations

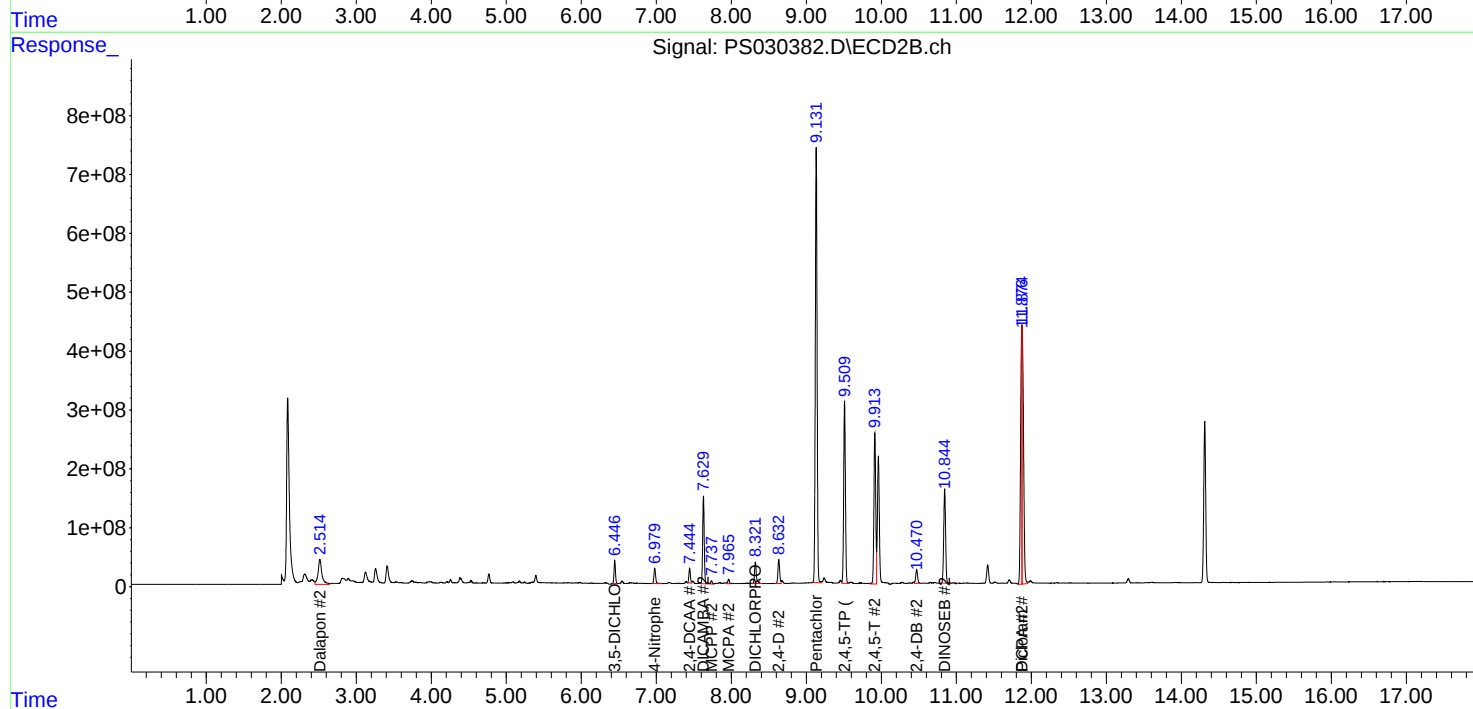
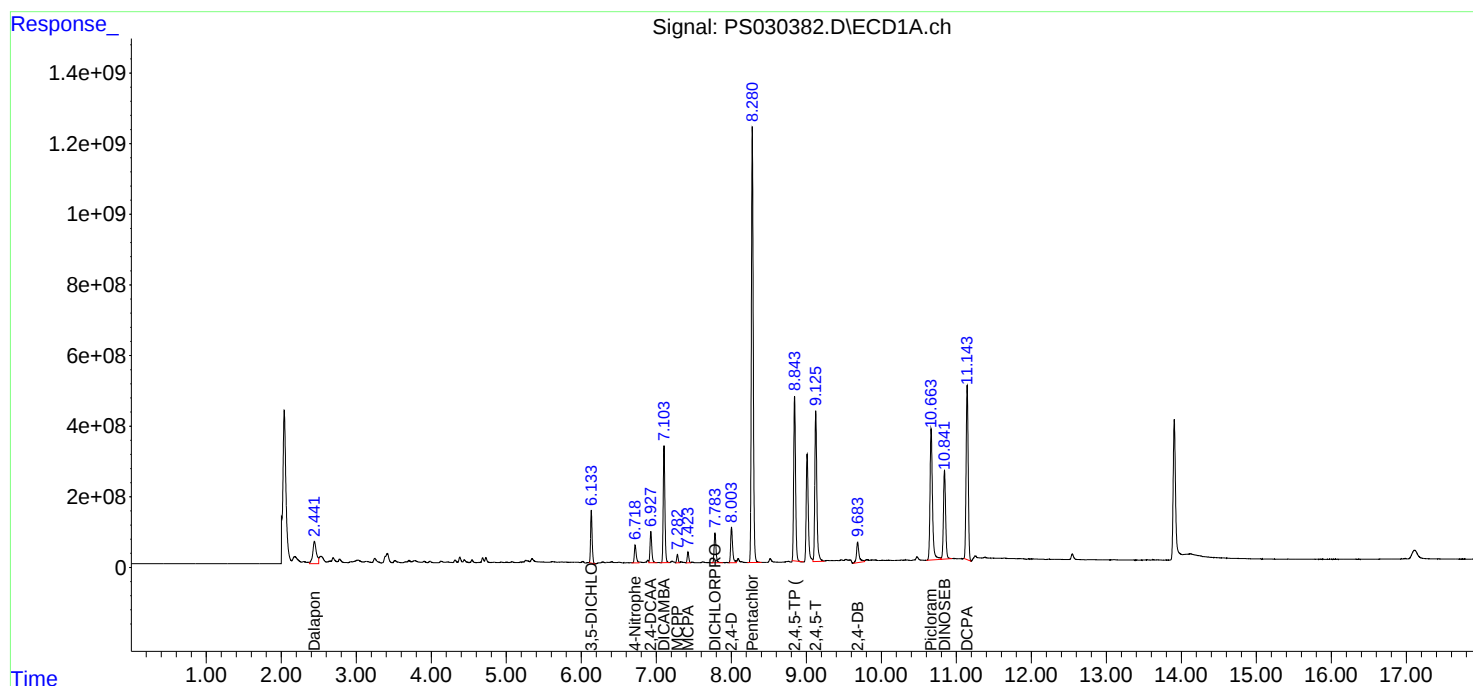
APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 23 22:33:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Method\PS051225.M  
Quant Title : 8080.M  
QLast Update : Mon May 12 14:29:24 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052925\  
 Data File : PS030429.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 May 2025 14:19  
 Operator : AR\AJ  
 Sample : Q2100-03MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

TP-21MS

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/30/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 29 23:27:16 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     | 6.926  | 7.438  | 802.4E6   | 198.9E6  | 281.764 | 248.580   |
| Target Compounds            |              |        |        |           |          |         |           |
| 1) T                        | Dalapon      | 2.437  | 2.505  | 1204.8E6  | 882.5E6  | 245.115 | 434.516 # |
| 2) T                        | 3,5-DICHL... | 6.131  | 6.440  | 1282.4E6  | 303.5E6  | 307.497 | 260.367   |
| 3) T                        | 4-Nitroph... | 6.717  | 6.973  | 586.4E6   | 262.9E6  | 283.873 | 251.833   |
| 5) T                        | DICAMBA      | 7.102  | 7.622  | 3160.1E6  | 1204.2E6 | 273.426 | 254.706m  |
| 6) T                        | MCPD         | 7.278  | 7.730  | 162.8E6   | 33422728 | 22.359m | 18.167    |
| 7) T                        | MCPA         | 7.421  | 7.956  | 231.8E6   | 56500015 | 22.325  | 21.420m   |
| 8) T                        | DICHLORPROP  | 7.781  | 8.314  | 845.1E6   | 330.5E6  | 289.279 | 279.767m  |
| 9) T                        | 2,4-D        | 8.001  | 8.627  | 1183.2E6  | 407.3E6  | 360.837 | 315.612   |
| 10) T                       | Pentachlo... | 8.278  | 9.125  | 12007.7E6 | 6814.8E6 | 296.482 | 276.069   |
| 11) T                       | 2,4,5-TP ... | 8.841  | 9.503  | 4559.5E6  | 2852.8E6 | 281.521 | 289.609   |
| 12) T                       | 2,4,5-T      | 9.124  | 9.906  | 4732.9E6  | 2540.1E6 | 286.578 | 275.989   |
| 13) T                       | 2,4-DB       | 9.682  | 10.464 | 956.1E6   | 256.3E6  | 366.360 | 258.282 # |
| 14) T                       | DINOSEB      | 10.840 | 10.835 | 546.9E6   | 330.2E6  | 47.820  | 48.326m   |
| 15) T                       | Picloram     | 10.661 | 11.868 | 5067.0E6  | 3578.0E6 | 236.921 | 254.246m  |
| 16) T                       | DCPA         | 11.142 | 11.864 | 5422.7E6  | 2666.2E6 | 272.340 | 197.342m# |
| -----                       |              |        |        |           |          |         |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052925\  
Data File : PS030429.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 May 2025 14:19  
Operator : AR\AJ  
Sample : Q2100-03MS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

TP-21MS

## Manual Integrations

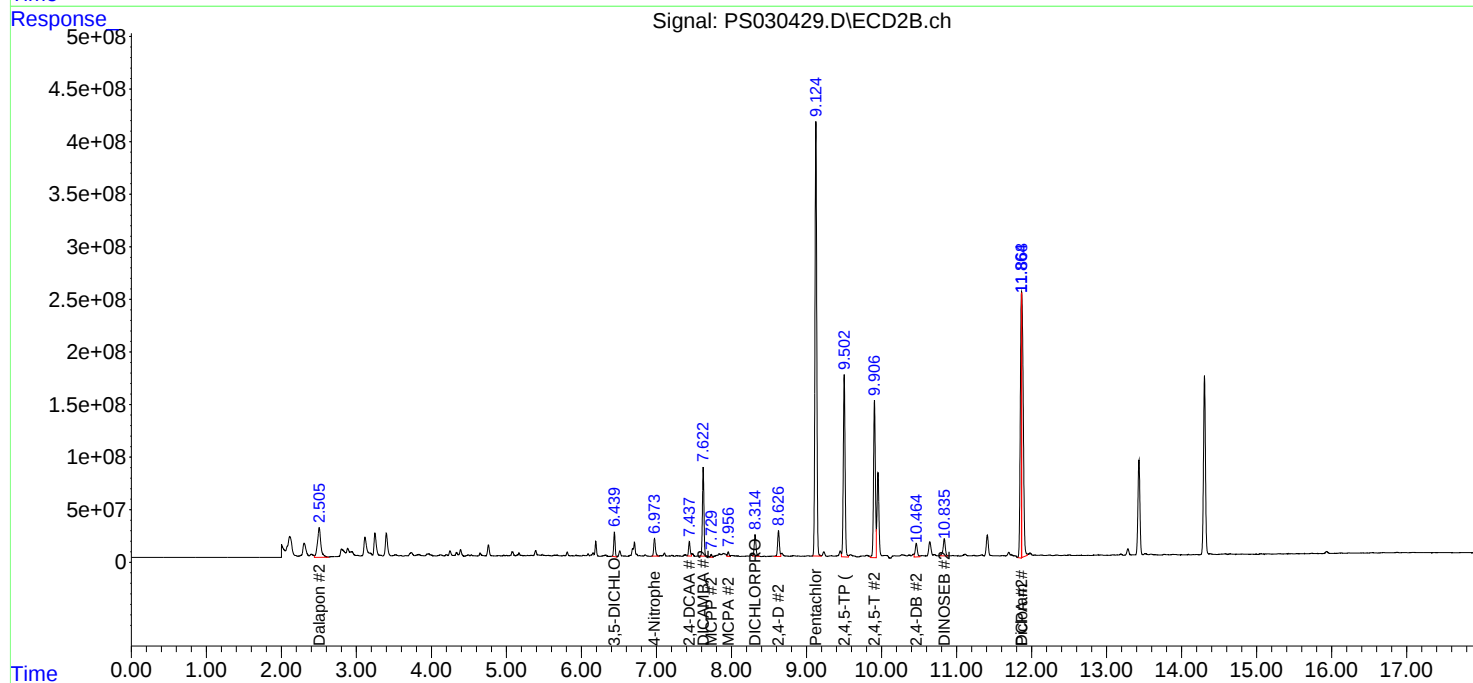
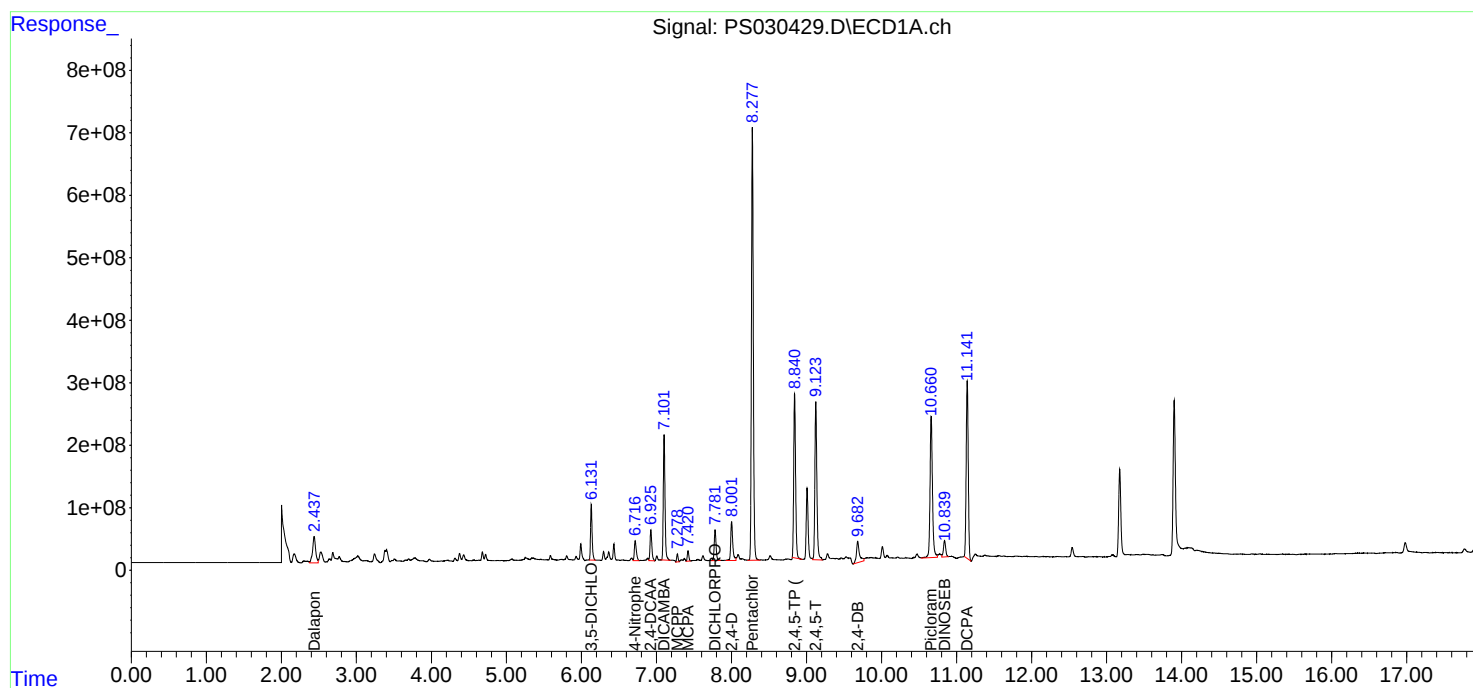
APPROVED

Reviewed By :Abdul Mirza 05/30/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 29 23:27:16 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052925\  
 Data File : PS030430.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 May 2025 14:44  
 Operator : AR\AJ  
 Sample : Q2100-03MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_S

ClientSampleId :

TP-21MSD

## Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/30/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 29 23:27:29 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     | 6.925  | 7.440  | 834.1E6   | 210.0E6  | 292.880  | 262.395   |
| Target Compounds            |              |        |        |           |          |          |           |
| 1) T                        | Dalapon      | 2.439  | 2.509  | 1209.4E6  | 909.7E6  | 246.047  | 447.915 # |
| 2) T                        | 3,5-DICHL... | 6.131  | 6.442  | 1337.8E6  | 318.2E6  | 320.766  | 272.912   |
| 3) T                        | 4-Nitroph... | 6.716  | 6.976  | 608.6E6   | 278.8E6  | 294.617  | 267.040   |
| 5) T                        | DICAMBA      | 7.101  | 7.624  | 3289.4E6  | 1278.7E6 | 284.618  | 270.452m  |
| 6) T                        | MCPD         | 7.278  | 7.731  | 138.6E6   | 35342811 | 19.033   | 19.210    |
| 7) T                        | MCPA         | 7.420  | 7.959  | 245.6E6   | 56449011 | 23.660   | 21.401m   |
| 8) T                        | DICHLORPROP  | 7.780  | 8.316  | 878.5E6   | 312.7E6  | 300.726  | 264.721   |
| 9) T                        | 2,4-D        | 8.000  | 8.628  | 1125.1E6  | 417.5E6  | 343.128  | 323.489   |
| 10) T                       | Pentachlo... | 8.277  | 9.126  | 12525.1E6 | 7209.0E6 | 309.257  | 292.039   |
| 11) T                       | 2,4,5-TP ... | 8.839  | 9.504  | 4861.7E6  | 2984.1E6 | 300.180m | 302.945   |
| 12) T                       | 2,4,5-T      | 9.122  | 9.908  | 4925.7E6  | 2668.9E6 | 298.251  | 289.980   |
| 13) T                       | 2,4-DB       | 9.681  | 10.465 | 972.8E6   | 268.3E6  | 372.755  | 270.344 # |
| 14) T                       | DINOSEB      | 10.838 | 10.837 | 551.8E6   | 330.9E6  | 48.249   | 48.432m   |
| 15) T                       | Picloram     | 10.660 | 11.870 | 5040.4E6  | 3469.1E6 | 235.678  | 246.508m  |
| 16) T                       | DCPA         | 11.140 | 11.864 | 5688.6E6  | 2701.0E6 | 285.693m | 199.918m# |
| -----                       |              |        |        |           |          |          |           |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_S\Data\PS052925\  
Data File : PS030430.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 May 2025 14:44  
Operator : AR\AJ  
Sample : Q2100-03MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_S

## ClientSampleId :

TP-21MSD

## Manual Integrations

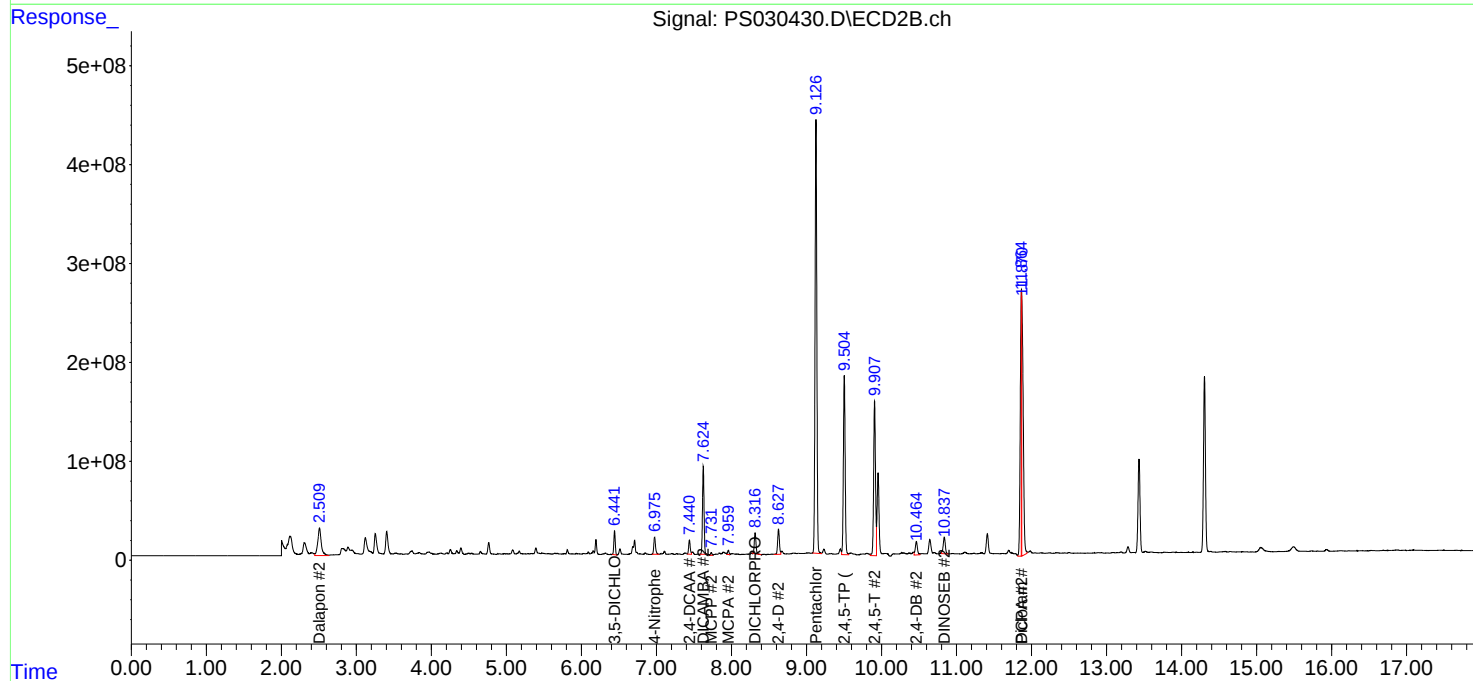
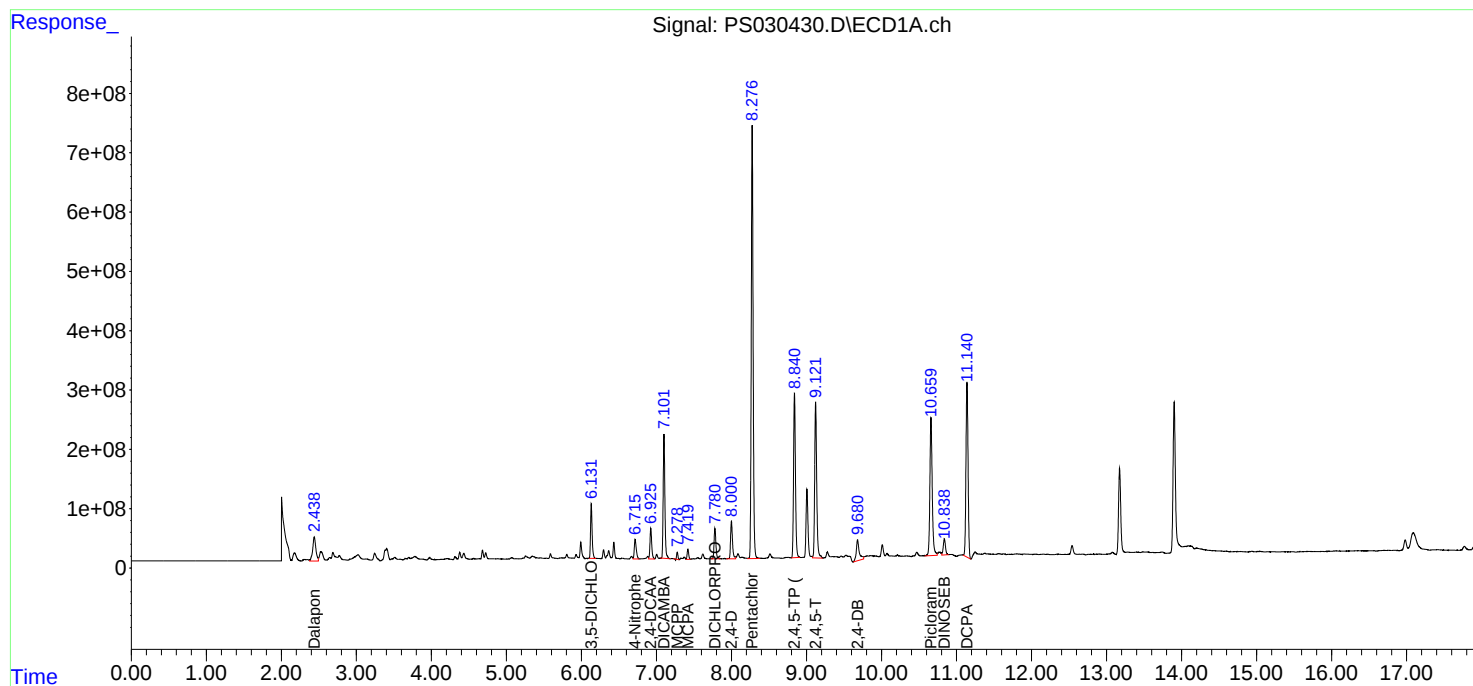
APPROVED

Reviewed By :Abdul Mirza 05/30/2025

Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 29 23:27:29 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 |
| HSTDCCC750 | PS030146.D | DCPA #2     | Abdul     | 5/13/2025 9:35:02 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |
| HSTDCCC750 | PS030146.D | Picloram #2 | Abdul     | 5/13/2025 9:35:02 AM | mohammad      | 5/14/2025 5:13:40 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps052325 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter         | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| I.BLK      | PS030371.D | 2,4-DCAA #2       | Abdul     | 5/27/2025<br>11:51:13 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030372.D | DCCA #2           | Abdul     | 5/27/2025<br>11:51:17 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030372.D | Picloram #2       | Abdul     | 5/27/2025<br>11:51:17 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030380.D | 2,4,5-TP (SILVEX) | Abdul     | 5/27/2025<br>11:51:32 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030380.D | 2,4-DB #2         | Abdul     | 5/27/2025<br>11:51:32 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030380.D | DCCA #2           | Abdul     | 5/27/2025<br>11:51:32 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030380.D | Picloram #2       | Abdul     | 5/27/2025<br>11:51:32 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| PB168137BS | PS030382.D | 2,4-DB #2         | Abdul     | 5/27/2025<br>11:53:28 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| PB168137BS | PS030382.D | DCCA #2           | Abdul     | 5/27/2025<br>11:53:28 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| PB168137BS | PS030382.D | MCPP              | Abdul     | 5/27/2025<br>11:53:28 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| PB168137BS | PS030382.D | Picloram #2       | Abdul     | 5/27/2025<br>11:53:28 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030392.D | 2,4,5-TP (SILVEX) | Abdul     | 5/27/2025<br>11:51:54 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030392.D | 2,4-DB #2         | Abdul     | 5/27/2025<br>11:51:54 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps052325 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter         | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------|------------|-------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| HSTDCCC750 | PS030392.D | DCPA #2           | Abdul     | 5/27/2025<br>11:51:54 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030392.D | Picloram #2       | Abdul     | 5/27/2025<br>11:51:54 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| Q2100-01   | PS030398.D | 2,4-DCAA          | Abdul     | 5/27/2025<br>11:52:10 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| Q2100-01   | PS030398.D | 2,4-DCAA #2       | Abdul     | 5/27/2025<br>11:52:10 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030404.D | 2,4,5-TP (SILVEX) | Abdul     | 5/27/2025<br>11:53:37 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030404.D | DCPA #2           | Abdul     | 5/27/2025<br>11:53:37 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030404.D | Picloram #2       | Abdul     | 5/27/2025<br>11:53:37 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030409.D | 2,4,5-TP (SILVEX) | Abdul     | 5/27/2025<br>11:52:57 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030409.D | DCPA #2           | Abdul     | 5/27/2025<br>11:52:57 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |
| HSTDCCC750 | PS030409.D | Picloram #2       | Abdul     | 5/27/2025<br>11:52:57 AM | mohammad      | 5/28/2025 1:47:29 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps052925 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter         | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|-------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| I.BLK      | PS030426.D | 2,4-DCAA #2       | Abdul     | 5/30/2025 7:50:38 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750 | PS030427.D | 2,4,5-TP (SILVEX) | Abdul     | 5/30/2025 7:50:43 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750 | PS030427.D | DCPA              | Abdul     | 5/30/2025 7:50:43 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750 | PS030427.D | DCPA #2           | Abdul     | 5/30/2025 7:50:43 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750 | PS030427.D | DINOSEB #2        | Abdul     | 5/30/2025 7:50:43 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750 | PS030427.D | Picloram #2       | Abdul     | 5/30/2025 7:50:43 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | DCPA #2           | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | DICAMBA #2        | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | DICHLORPROP #2    | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | DINOSEB #2        | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | MCPA #2           | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | MCPPP             | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MS | PS030429.D | Picloram #2       | Abdul     | 5/30/2025 7:50:51 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps052925 | Instrument | ECD_s |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter         | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|-------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q2100-03MSD | PS030430.D | 2,4,5-TP (SILVEX) | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | DCPA              | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | DCPA #2           | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | DICAMBA #2        | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | DINOSEB #2        | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | MCPA #2           | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| Q2100-03MSD | PS030430.D | Picloram #2       | Abdul     | 5/30/2025 7:50:56 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| I.BLK       | PS030433.D | 2,4-DCAA #2       | Abdul     | 5/30/2025 7:51:08 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750  | PS030434.D | 2,4,5-TP (SILVEX) | Abdul     | 5/30/2025 7:51:13 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750  | PS030434.D | DCPA #2           | Abdul     | 5/30/2025 7:51:13 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750  | PS030434.D | DINOSEB #2        | Abdul     | 5/30/2025 7:51:13 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |
| HSTDCCC750  | PS030434.D | Picloram #2       | Abdul     | 5/30/2025 7:51:13 AM | mohammad      | 5/30/2025 8:31:48 | Peak Integrated by Software |



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

Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | ps052925 | Instrument | ECD_s |
|-----------|----------|------------|-------|

|           |         |           |           |           |               |               |        |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|
| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|

Instrument ID: ECD\_S

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

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

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

Instrument ID: ECD\_S

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

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

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

M : Manual Integration



Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052325**

|                                                                    |                                                         |                   |                                    |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | yogesh                                                  | Review On         | 5/23/2025 12:05:59 PM              |
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/28/2025 1:47:29 AM               |
| SubDirectory                                                       | PS052325                                                | 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      | PS030370.D     | 23 May 2025 09:07 | AR\AJ    | Ok     |
| 2   | I.BLK       | PS030371.D     | 23 May 2025 10:38 | AR\AJ    | Ok,M   |
| 3   | HSTDCCC750  | PS030372.D     | 23 May 2025 11:02 | AR\AJ    | Ok,M   |
| 4   | PB168133BL  | PS030373.D     | 23 May 2025 11:27 | AR\AJ    | Ok,M   |
| 5   | PB168133BS  | PS030374.D     | 23 May 2025 11:51 | AR\AJ    | Ok,M   |
| 6   | PB168133BSD | PS030375.D     | 23 May 2025 12:15 | AR\AJ    | Ok,M   |
| 7   | Q2088-01    | PS030376.D     | 23 May 2025 12:39 | AR\AJ    | Ok     |
| 8   | Q2093-14    | PS030377.D     | 23 May 2025 13:03 | AR\AJ    | Ok     |
| 9   | Q2102-03    | PS030378.D     | 23 May 2025 13:27 | AR\AJ    | Ok     |
| 10  | I.BLK       | PS030379.D     | 23 May 2025 13:51 | AR\AJ    | Ok     |
| 11  | HSTDCCC750  | PS030380.D     | 23 May 2025 14:15 | AR\AJ    | Ok,M   |
| 12  | PB168137BL  | PS030381.D     | 23 May 2025 16:28 | AR\AJ    | Ok     |
| 13  | PB168137BS  | PS030382.D     | 23 May 2025 16:52 | AR\AJ    | Ok,M   |
| 14  | Q2092-01    | PS030383.D     | 23 May 2025 17:16 | AR\AJ    | Ok,M   |
| 15  | Q2093-01    | PS030384.D     | 23 May 2025 17:40 | AR\AJ    | Ok     |
| 16  | Q2095-01    | PS030385.D     | 23 May 2025 18:04 | AR\AJ    | Ok,M   |
| 17  | Q2095-05    | PS030386.D     | 23 May 2025 18:28 | AR\AJ    | Ok,M   |
| 18  | Q2097-01    | PS030387.D     | 23 May 2025 18:52 | AR\AJ    | Ok     |
| 19  | Q2097-03    | PS030388.D     | 23 May 2025 19:16 | AR\AJ    | Ok     |
| 20  | Q2097-05    | PS030389.D     | 23 May 2025 19:40 | AR\AJ    | Ok,M   |
| 21  | Q2097-07    | PS030390.D     | 23 May 2025 20:04 | AR\AJ    | Ok,M   |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052325**

| Review By                                                          | yogesh                                                  | Review On         | 5/23/2025 12:05:59 PM              |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/28/2025 1:47:29 AM               |
| SubDirectory                                                       | PS052325                                                | 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 | I.BLK       | PS030391.D | 23 May 2025 20:28 | AR\AJ | Ok     |
| 23 | HSTDCCC750  | PS030392.D | 23 May 2025 20:52 | AR\AJ | Ok,M   |
| 24 | Q2097-09    | PS030393.D | 23 May 2025 21:40 | AR\AJ | Ok     |
| 25 | Q2097-11    | PS030394.D | 23 May 2025 22:04 | AR\AJ | Ok,M   |
| 26 | Q2097-13    | PS030395.D | 23 May 2025 22:29 | AR\AJ | Ok     |
| 27 | Q2097-15    | PS030396.D | 23 May 2025 22:53 | AR\AJ | Ok,M   |
| 28 | Q2097-17    | PS030397.D | 23 May 2025 23:17 | AR\AJ | Ok,M   |
| 29 | Q2100-01    | PS030398.D | 23 May 2025 23:41 | AR\AJ | Ok,M   |
| 30 | Q2100-02    | PS030399.D | 24 May 2025 00:05 | AR\AJ | Ok     |
| 31 | Q2100-03    | PS030400.D | 24 May 2025 00:29 | AR\AJ | Ok     |
| 32 | Q2100-03MS  | PS030401.D | 24 May 2025 00:53 | AR\AJ | Not Ok |
| 33 | Q2100-03MSD | PS030402.D | 24 May 2025 01:17 | AR\AJ | Not Ok |
| 34 | I.BLK       | PS030403.D | 24 May 2025 01:41 | AR\AJ | Ok     |
| 35 | HSTDCCC750  | PS030404.D | 24 May 2025 02:05 | AR\AJ | Ok,M   |
| 36 | Q2100-04    | PS030405.D | 24 May 2025 02:53 | AR\AJ | Ok     |
| 37 | Q2101-01    | PS030406.D | 24 May 2025 03:17 | AR\AJ | Ok,M   |
| 38 | Q2109-01    | PS030407.D | 24 May 2025 03:42 | AR\AJ | Ok,M   |
| 39 | I.BLK       | PS030408.D | 24 May 2025 04:06 | AR\AJ | Ok     |
| 40 | HSTDCCC750  | PS030409.D | 24 May 2025 04:30 | AR\AJ | Ok,M   |

M : Manual Integration

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QCBatch ID # PS052925**

|                                                                    |                                                         |                   |                                    |
|--------------------------------------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                                                          | Abdul                                                   | Review On         | 5/30/2025 7:51:34 AM               |
| Supervise By                                                       | mohammad                                                | Supervise On      | 5/30/2025 8:31:48 AM               |
| SubDirectory                                                       | PS052925                                                | 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      | PS030425.D     | 29 May 2025 08:41 | AR\AJ    | Ok     |
| 2   | I.BLK       | PS030426.D     | 29 May 2025 09:05 | AR\AJ    | Ok,M   |
| 3   | HSTDCCC750  | PS030427.D     | 29 May 2025 09:29 | AR\AJ    | Ok,M   |
| 4   | PB168172BS  | PS030428.D     | 29 May 2025 13:46 | AR\AJ    | Ok,M   |
| 5   | Q2100-03MS  | PS030429.D     | 29 May 2025 14:19 | AR\AJ    | Ok,M   |
| 6   | Q2100-03MSD | PS030430.D     | 29 May 2025 14:44 | AR\AJ    | Ok,M   |
| 7   | Q2127-11MS  | PS030431.D     | 29 May 2025 15:25 | AR\AJ    | Ok,M   |
| 8   | Q2127-11MSD | PS030432.D     | 29 May 2025 15:49 | AR\AJ    | Ok,M   |
| 9   | I.BLK       | PS030433.D     | 29 May 2025 16:13 | AR\AJ    | Ok,M   |
| 10  | HSTDCCC750  | PS030434.D     | 29 May 2025 16:37 | 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

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052325**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | yogesh   | Review On         | 5/23/2025 12:05:59 PM              |
| Supervise By | mohammad | Supervise On      | 5/28/2025 1:47:29 AM               |
| SubDirectory | PS052325 | 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      | PS030370.D     | 23 May 2025 09:07 |         | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK       | PS030371.D     | 23 May 2025 10:38 |         | AR\AJ    | Ok,M   |
| 3   | HSTDCCC750  | HSTDCCC750  | PS030372.D     | 23 May 2025 11:02 |         | AR\AJ    | Ok,M   |
| 4   | PB168133BL  | PB168133BL  | PS030373.D     | 23 May 2025 11:27 |         | AR\AJ    | Ok,M   |
| 5   | PB168133BS  | PB168133BS  | PS030374.D     | 23 May 2025 11:51 |         | AR\AJ    | Ok,M   |
| 6   | PB168133BSD | PB168133BSD | PS030375.D     | 23 May 2025 12:15 |         | AR\AJ    | Ok,M   |
| 7   | Q2088-01    | 252820      | PS030376.D     | 23 May 2025 12:39 |         | AR\AJ    | Ok     |
| 8   | Q2093-14    | WATER-COMP  | PS030377.D     | 23 May 2025 13:03 |         | AR\AJ    | Ok     |
| 9   | Q2102-03    | LAW-25-0078 | PS030378.D     | 23 May 2025 13:27 |         | AR\AJ    | Ok     |
| 10  | I.BLK       | I.BLK       | PS030379.D     | 23 May 2025 13:51 |         | AR\AJ    | Ok     |
| 11  | HSTDCCC750  | HSTDCCC750  | PS030380.D     | 23 May 2025 14:15 |         | AR\AJ    | Ok,M   |
| 12  | PB168137BL  | PB168137BL  | PS030381.D     | 23 May 2025 16:28 |         | AR\AJ    | Ok     |
| 13  | PB168137BS  | PB168137BS  | PS030382.D     | 23 May 2025 16:52 |         | AR\AJ    | Ok,M   |
| 14  | Q2092-01    | VNJ-202     | PS030383.D     | 23 May 2025 17:16 |         | AR\AJ    | Ok,M   |
| 15  | Q2093-01    | SOIL-DRUM   | PS030384.D     | 23 May 2025 17:40 |         | AR\AJ    | Ok     |
| 16  | Q2095-01    | WCS-TP1     | PS030385.D     | 23 May 2025 18:04 |         | AR\AJ    | Ok,M   |
| 17  | Q2095-05    | WCS-TP2     | PS030386.D     | 23 May 2025 18:28 |         | AR\AJ    | Ok,M   |
| 18  | Q2097-01    | ETGI-357    | PS030387.D     | 23 May 2025 18:52 |         | AR\AJ    | Ok     |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052325**

|                                         |                                                         |                   |                                    |
|-----------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Review By                               | yogesh                                                  | Review On         | 5/23/2025 12:05:59 PM              |
| Supervise By                            | mohammad                                                | Supervise On      | 5/28/2025 1:47:29 AM               |
| SubDirectory                            | PS052325                                                | HP Acquire Method | HP Processing Method ps051225 8151 |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                                        |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds | PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560 |                   |                                    |
| CCC                                     | PP24559                                                 |                   |                                    |
| Internal Standard/PEM                   |                                                         |                   |                                    |
| ICV/I.BLK                               | PP24562                                                 |                   |                                    |
| Surrogate Standard                      |                                                         |                   |                                    |
| MS/MSD Standard                         |                                                         |                   |                                    |
| LCS Standard                            |                                                         |                   |                                    |

|    |             |            |            |                   |                                                                 |       |        |
|----|-------------|------------|------------|-------------------|-----------------------------------------------------------------|-------|--------|
| 19 | Q2097-03    | RBR200044  | PS030388.D | 23 May 2025 19:16 |                                                                 | AR\AJ | Ok     |
| 20 | Q2097-05    | RBR251675  | PS030389.D | 23 May 2025 19:40 |                                                                 | AR\AJ | Ok,M   |
| 21 | Q2097-07    | VNJ-244    | PS030390.D | 23 May 2025 20:04 |                                                                 | AR\AJ | Ok,M   |
| 22 | I.BLK       | I.BLK      | PS030391.D | 23 May 2025 20:28 |                                                                 | AR\AJ | Ok     |
| 23 | HSTDCCC750  | HSTDCCC750 | PS030392.D | 23 May 2025 20:52 |                                                                 | AR\AJ | Ok,M   |
| 24 | Q2097-09    | ETGI-290   | PS030393.D | 23 May 2025 21:40 |                                                                 | AR\AJ | Ok     |
| 25 | Q2097-11    | RT3419     | PS030394.D | 23 May 2025 22:04 |                                                                 | AR\AJ | Ok,M   |
| 26 | Q2097-13    | RBR251372  | PS030395.D | 23 May 2025 22:29 |                                                                 | AR\AJ | Ok     |
| 27 | Q2097-15    | 72-12013   | PS030396.D | 23 May 2025 22:53 |                                                                 | AR\AJ | Ok,M   |
| 28 | Q2097-17    | RT-3888    | PS030397.D | 23 May 2025 23:17 |                                                                 | AR\AJ | Ok,M   |
| 29 | Q2100-01    | TP-16      | PS030398.D | 23 May 2025 23:41 |                                                                 | AR\AJ | Ok,M   |
| 30 | Q2100-02    | TP-22      | PS030399.D | 24 May 2025 00:05 |                                                                 | AR\AJ | Ok     |
| 31 | Q2100-03    | TP-21      | PS030400.D | 24 May 2025 00:29 |                                                                 | AR\AJ | Ok     |
| 32 | Q2100-03MS  | TP-21MS    | PS030401.D | 24 May 2025 00:53 | some compound recovery fail                                     | AR\AJ | Not Ok |
| 33 | Q2100-03MSD | TP-21MSD   | PS030402.D | 24 May 2025 01:17 | recovery fail for some compounds, RPD fail for most of compunds | AR\AJ | Not Ok |
| 34 | I.BLK       | I.BLK      | PS030403.D | 24 May 2025 01:41 |                                                                 | AR\AJ | Ok     |
| 35 | HSTDCCC750  | HSTDCCC750 | PS030404.D | 24 May 2025 02:05 |                                                                 | AR\AJ | Ok,M   |
| 36 | Q2100-04    | TP-45      | PS030405.D | 24 May 2025 02:53 |                                                                 | AR\AJ | Ok     |

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052325**

| Review By                               | yogesh                                                  | Review On         | 5/23/2025 12:05:59 PM              |
|-----------------------------------------|---------------------------------------------------------|-------------------|------------------------------------|
| Supervise By                            | mohammad                                                | Supervise On      | 5/28/2025 1:47:29 AM               |
| SubDirectory                            | PS052325                                                | 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         | PP24562                                                 |                   |                                    |
| MS/MSD Standard<br>LCS Standard         |                                                         |                   |                                    |

|    |            |            |            |                   |  |       |      |
|----|------------|------------|------------|-------------------|--|-------|------|
| 37 | Q2101-01   | TP-1-MHE   | PS030406.D | 24 May 2025 03:17 |  | AR\AJ | Ok,M |
| 38 | Q2109-01   | TP-02-MHF  | PS030407.D | 24 May 2025 03:42 |  | AR\AJ | Ok,M |
| 39 | I.BLK      | I.BLK      | PS030408.D | 24 May 2025 04:06 |  | AR\AJ | Ok   |
| 40 | HSTDCCC750 | HSTDCCC750 | PS030409.D | 24 May 2025 04:30 |  | AR\AJ | Ok,M |

M : Manual Integration

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L

Instrument ID: ECD\_S

**Daily Analysis Runlog For Sequence/QC Batch ID # PS052925**

|              |          |                   |                                    |
|--------------|----------|-------------------|------------------------------------|
| Review By    | Abdul    | Review On         | 5/30/2025 7:51:34 AM               |
| Supervise By | mohammad | Supervise On      | 5/30/2025 8:31:48 AM               |
| SubDirectory | PS052925 | 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     | PS030425.D     | 29 May 2025 08:41 |                             | AR\AJ    | Ok     |
| 2   | I.BLK       | I.BLK      | PS030426.D     | 29 May 2025 09:05 |                             | AR\AJ    | Ok,M   |
| 3   | HSTDCCC750  | HSTDCCC750 | PS030427.D     | 29 May 2025 09:29 |                             | AR\AJ    | Ok,M   |
| 4   | PB168172BS  | PB168172BS | PS030428.D     | 29 May 2025 13:46 |                             | AR\AJ    | Ok,M   |
| 5   | Q2100-03MS  | TP-21MS    | PS030429.D     | 29 May 2025 14:19 | Some compound recovery fail | AR\AJ    | Ok,M   |
| 6   | Q2100-03MSD | TP-21MSD   | PS030430.D     | 29 May 2025 14:44 | Some compound recovery fail | AR\AJ    | Ok,M   |
| 7   | Q2127-11MS  | COMP-2MS   | PS030431.D     | 29 May 2025 15:25 | Some compound recovery fail | AR\AJ    | Ok,M   |
| 8   | Q2127-11MSD | COMP-2MSD  | PS030432.D     | 29 May 2025 15:49 | Some compound recovery fail | AR\AJ    | Ok,M   |
| 9   | I.BLK       | I.BLK      | PS030433.D     | 29 May 2025 16:13 |                             | AR\AJ    | Ok,M   |
| 10  | HSTDCCC750  | HSTDCCC750 | PS030434.D     | 29 May 2025 16:37 |                             | AR\AJ    | Ok,M   |

M : Manual Integration

**SOP ID:** M8151A-Herbicide-22

**Clean Up SOP #:** N/A

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** E3880

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,4,5,7

**Extraction Start Date :** 05/23/2025

**Extraction Start Time :** 08:25

**Extraction End Date :** 05/23/2025

**Extraction End Time :** 16:00

**Concentration By:** EH

**Supervisor By :** RUPESH

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

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5/500 PPM           | PP24484             |
| Surrogate     | 1.0ML    | 5000 PPB            | PP24552             |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2612     |
| Acidified Na2SO4   | N/A            | EP2576     |
| Sand               | N/A            | E2865      |
| HCL                | N/A            | M6151      |
| DI WATER           | N/A            | N/A        |
| 37% KOH            | N/A            | EP2594     |
| Methylene Chloride | N/A            | E3939      |
| 1:3 SULPHURIC ACID | N/A            | EP2598     |
| Ether              | N/A            | E3881      |
| ISO OCTANE         | N/A            | E3554      |
| METHANOL           | N/A            | V14622     |
| Diazomethane       | N/A            | EP2608     |
| Hexane             | N/A            | E3938      |
| N/A                | N/A            | N/A        |

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

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ML Vial Lot # 03-40 BTS723.

**KD Bath ID:** N/A

**Envap ID:** NEVAP-02

**KD Bath Temperature:** N/A

**Envap Temperature:** 40 °C

| Date / Time      | Prepped Sample Relinquished By/Location | Received By/Location |
|------------------|-----------------------------------------|----------------------|
| 5/23/25<br>16:05 | RS (Ext Lab)                            | Y-P-HS-HPCB          |
|                  | Preparation Group                       | Analysis Group       |

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/23/2025

| Sample ID       | Client Sample ID | Test      | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|-----------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |           |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB168137BL      | HBLK137          | Herbicide | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |          | U2-1        |
| PB168137BS      | HLCS137          | Herbicide | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q2092-01        | VNJ-202          | Herbicide | 30.05 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2093-01        | SOIL-DRUM        | Herbicide | 30.04 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q2095-01        | WCS-TP1          | Herbicide | 30.08 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q2095-05        | WCS-TP2          | Herbicide | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q2097-01        | ETGI-357         | Herbicide | 30.04 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U3-1        |
| Q2097-03        | RBR200044        | Herbicide | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 2           |
| Q2097-05        | RBR251675        | Herbicide | 30.09 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2097-07        | VNJ-244          | Herbicide | 30.07 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q2097-09        | ETGI-290         | Herbicide | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q2097-11        | RT3419           | Herbicide | 30.06 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q2097-13        | RBR251372        | Herbicide | 30.04 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U6-1        |
| Q2097-15        | 72-12013         | Herbicide | 30.01 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 2           |
| Q2097-17        | RT-3888          | Herbicide | 30.05 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2100-01        | TP-16            | Herbicide | 30.07 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 4           |
| Q2100-02        | TP-22            | Herbicide | 30.02 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |
| Q2100-03        | TP-21            | Herbicide | 30.06 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 6           |
| Q2100-03MS      | TP-21MS          | Herbicide | 30.01 | N/A | ritesh         | Evelyn     | 10                 | E     |          | U1-1        |
| Q2100-03MS<br>D | TP-21MSD         | Herbicide | 30.08 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 2           |
| Q2100-04        | TP-45            | Herbicide | 30.03 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 3           |
| Q2101-01        | TP-1-MHE         | Herbicide | 30.04 | N/A | ritesh         | Evelyn     | 10                 | C     |          | 4           |
| Q2109-01        | TP-02-MHF        | Herbicide | 30.08 | N/A | ritesh         | Evelyn     | 10                 | E     |          | 5           |

\* Extracts relinquished on the same date as received.

RS  
5/23

168137  
05/23/25

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2100H      WorkList ID : 189722      Department : Extraction      Date : 05-23-2025 08:20:02

| Sample   | Customer Sample | Matrix | Test      | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-----------------|--------|-----------|--------------|----------|-----------------------------------|--------------|--------|
| Q2092-01 | VNJ-202         | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2093-01 | SOIL-DRUM       | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2095-01 | WCS-TP1         | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2095-05 | WCS-TP2         | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-01 | ETGI-357        | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-03 | RBR200044       | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-05 | RBR251675       | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-07 | VNJ-244         | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-09 | ETGI-290        | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-11 | RT3419          | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-13 | RBR251372       | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-15 | 72-12013        | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2097-17 | RT-3888         | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/20/2025   | 8151A  |
| Q2100-01 | TP-16           | Solid  | Herbicide | Cool 4 deg C | CAMP02   | L41                               | 05/20/2025   | 8151A  |
| Q2100-02 | TP-22           | Solid  | Herbicide | Cool 4 deg C | CAMP02   | L41                               | 05/20/2025   | 8151A  |
| Q2100-03 | TP-21           | Solid  | Herbicide | Cool 4 deg C | CAMP02   | L41                               | 05/20/2025   | 8151A  |
| Q2100-04 | TP-45           | Solid  | Herbicide | Cool 4 deg C | CAMP02   | L41                               | 05/20/2025   | 8151A  |
| Q2101-01 | TP-1-MHE        | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L41                               | 05/19/2025   | 8151A  |
| Q2109-01 | TP-02-MHF       | Solid  | Herbicide | Cool 4 deg C | PSEG03   | L31                               | 05/20/2025   | 8151A  |

Date/Time 05/23/25 8:20  
Raw Sample Received by: RS C. E. H. - V. C. H.  
Raw Sample Relinquished by: [Signature]

Date/Time 05/23/25 8:50  
Raw Sample Received by: [Signature]  
Raw Sample Relinquished by: RS C. E. H. - V. C. H.

## LAB CHRONICLE

|                 |                    |                   |                            |
|-----------------|--------------------|-------------------|----------------------------|
| <b>OrderID:</b> | Q2100              | <b>OrderDate:</b> | 5/20/2025 3:22:00 PM       |
| <b>Client:</b>  | CDM Smith          | <b>Project:</b>   | South River WM Replacement |
| <b>Contact:</b> | Marcie Ann Encinas | <b>Location:</b>  | L41,VOA Ref. #2 Soil       |

| LabID           | ClientID     | Matrix      | Test                    | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|--------------|-------------|-------------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2100-01</b> | <b>TP-16</b> | <b>SOIL</b> |                         |        | <b>05/19/25</b> |           |           | <b>05/20/25</b> |
|                 |              |             | Diesel Range Organics   | 8015D  |                 | 05/23/25  | 05/23/25  |                 |
|                 |              |             | Gasoline Range Organics | 8015D  |                 |           | 05/21/25  |                 |
|                 |              |             | Herbicide               | 8151A  |                 | 05/23/25  | 05/23/25  |                 |
|                 |              |             | PCB                     | 8082A  |                 | 05/22/25  | 05/22/25  |                 |
|                 |              |             | Pesticide-TCL           | 8081B  |                 | 05/22/25  | 05/22/25  |                 |
| <b>Q2100-02</b> | <b>TP-22</b> | <b>SOIL</b> |                         |        | <b>05/19/25</b> |           |           | <b>05/20/25</b> |
|                 |              |             | Diesel Range Organics   | 8015D  |                 | 05/23/25  | 05/23/25  |                 |
|                 |              |             | Gasoline Range Organics | 8015D  |                 |           | 05/21/25  |                 |
|                 |              |             | Herbicide               | 8151A  |                 | 05/23/25  | 05/24/25  |                 |
|                 |              |             | PCB                     | 8082A  |                 | 05/22/25  | 05/22/25  |                 |
|                 |              |             | Pesticide-TCL           | 8081B  |                 | 05/22/25  | 05/22/25  |                 |
| <b>Q2100-03</b> | <b>TP-21</b> | <b>SOIL</b> |                         |        | <b>05/20/25</b> |           |           | <b>05/20/25</b> |
|                 |              |             | Diesel Range Organics   | 8015D  |                 | 05/23/25  | 05/23/25  |                 |
|                 |              |             | Gasoline Range Organics | 8015D  |                 |           | 05/21/25  |                 |
|                 |              |             | Herbicide               | 8151A  |                 | 05/23/25  | 05/24/25  |                 |
|                 |              |             | PCB                     | 8082A  |                 | 05/22/25  | 05/22/25  |                 |
|                 |              |             | Pesticide-TCL           | 8081B  |                 | 05/22/25  | 05/22/25  |                 |
| <b>Q2100-04</b> | <b>TP-45</b> | <b>SOIL</b> |                         |        | <b>05/20/25</b> |           |           | <b>05/20/25</b> |
|                 |              |             | Diesel Range Organics   | 8015D  |                 | 05/23/25  | 05/23/25  |                 |
|                 |              |             | Gasoline Range Organics | 8015D  |                 |           | 05/21/25  |                 |
|                 |              |             | Herbicide               | 8151A  |                 | 05/23/25  | 05/24/25  |                 |
|                 |              |             | PCB                     | 8082A  |                 | 05/22/25  | 05/22/25  |                 |
|                 |              |             | Pesticide-TCL           | 8081B  |                 | 05/22/25  | 05/22/25  |                 |